

Chancellor's Docket No. 66
THE UNIVERSITY OF TEXAS SYSTEM
Office of the Chancellor

August 16, 1973

TO THE HONORABLE BOARD OF REGENTS
OF THE UNIVERSITY OF TEXAS SYSTEM

Mrs. Johnson and Gentlemen:

The dockets recommended by the Chief Administrative Officers concerned, and prepared by the component institutions listed below are herewith submitted with my recommendation for ratification or approval, as appropriate, at the meeting of the Board of Regents on September 14, 1973. The budget changes included in these dockets have been approved by me and are herewith submitted as a report to the Board of Regents.

- The University of Texas at Arlington (Page Code AR)
- The University of Texas at Austin (Page Code A)
- The University of Texas at Dallas (Page Code D)
- The University of Texas at El Paso (Page Code EP)
- The University of Texas of the Permian Basin (Page Code PB)
- The University of Texas at San Antonio (Page Code SA)
- The University of Texas Health Science Center at Dallas (Page Code HD)
- The University of Texas Medical Branch at Galveston (Page Code G)
- The University of Texas Health Science Center at Houston (Page Code HH)
- The University of Texas Health Science Center at San Antonio (Page Code HS)
- The University of Texas System Cancer Center (Page Code CC)
- The University of Texas System School of Nursing (Page Code N)

On the following pages are U. T. System and Institutional items which I also recommend for the Board's ratification or approval, as appropriate, including my report of budget changes.

Sincerely,

Charles A. LeMaistre, M. D.
Chancellor

CAL:sar

THE UNIVERSITY OF TEXAS SYSTEM ADMINISTRATION
BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

PURCHASE FROM UNIVERSITY EMPLOYEE

Authorization is requested to purchase an original watercolor painting entitled, "Reflections," for O. Henry Hall from a University staff member, Mr. Acree B. Carlisle, Architect, Office of Facilities Planning and Construction. The cost is \$150.00, including the frame, and funds are available in accounts of the Office of the Chancellor. The price of this painting is less than the price for which it was listed in one of the art galleries which handles Mr. Carlisle's work and is considered to be reasonable.

200

CONTRACTS AND AGREEMENTS (OTHER)

Amendment to the Lease Agreement between the Commodore Perry Building, a division of Travco, Inc., and The University of Texas System for 5,472 square feet on the eighth floor of the Commodore Perry Building (Rooms 801 through 805 and 818 through 833). This amendment extends the term of the lease for one year, or for the period September 1, 1973 through August 31, 1974, at the same monthly rate of \$2,188.80, amounting to \$26,265.60 for the year.

400

THE UNIVERSITY OF TEXAS SYSTEM ADMINISTRATION
REPORT OF AMENDMENTS TO THE 1972-73 OPERATING BUDGET
BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

Source of Funds - Departmental Appropriations
(Unless Otherwise Specified)

Office of the Chancellor

1. Appoint Dolores H. Hunter as Assistant to the Director of Employee Relations for Minority Affairs effective August 15, 1973 at an annual salary rate of \$ 24,500. (RBC# D-159)

*Franklin's
Jules*

Office of the Comptroller

2. Resign Joe A. Powell, System Auditor at an annual salary rate of \$ 14,700, effective July 15, 1973. Mr. Powell is transferring to U. T. San Antonio. (RBC# D-149)
3. Change the Status of Charles H. Perrone from Staff Auditor at an annual salary rate of \$ 12,816 to System Auditor at an annual salary rate of \$ 13,800 effective July 1, 1973. (RBC# D-150)

System Personnel Office

4. Resign Norman W. Minter, Assistant Director at an annual salary rate of \$ 19,800, effective June 30, 1973. Mr. Minter is transferring to U. T. Austin. (RBC# D-147)

Office of Facilities Planning and Construction

5. Reappoint Reginald H. Biggs as Contract Management Specialist at an annual salary rate of \$ 12,000 for the period July 16 through July 20, 1973. Mr. Biggs' original appointment which was reported in the June 1, 1973 docket should have read only for the period April 17 through July 15, 1973. (RBC# D-154)
6. Appoint William H. Schleyer as Construction Inspector at an annual salary rate of \$ 12,500 effective July 16, 1973. (RBC# D-152)
7. Appoint Robert M. Stein as Construction Inspector at an annual salary rate of \$ 13,900 effective August 1, 1973. (RBC# D-156)
8. Resign Thomas A. Reneau, Construction Inspector at an annual salary rate of \$ 13,900, effective July 25, 1973. (RBC# D-148)
9. Resign Albert C. Braddock, Construction Inspector at an annual salary rate of \$ 13,400, effective August 6, 1973. (RBC# D-155)
10. Resign Donald S. Belt, Construction Inspector at an annual salary rate of \$ 12,500, effective August 3, 1973. (RBC# D-153)

Law Office of The University of Texas System

11. Transfer \$ 700 from the Classified Personnel Salaries account to the Maintenance and Operation account to provide the additional funds needed for operation and for law library acquisitions. (RBC# D-158)

System Personnel Office - Workmen's Compensation Insurance Division

12. Transfer \$ 10,000 from the W.C.I. Physical Examinations account to the W.C.I. Compensation Benefits for Injury account. This transfer reallocates budgeted funds to provide for payment of W.C.I. Claims requiring settlement before the end of this fiscal year. (RBC# D-157)

400

Space Lease - System Administration

- 13. Transfer \$ 2,500 from the Available University Fund Unallocated Operating Account to the account for System Administration Space Leasing in First National Life Building. (RBC# D-146)

Permanent University Fund Bonds - Paying Agency Fees

- 14. Transfer \$90.63 from the Available University Fund Unallocated Operating Account to the accounts for Paying Agency Fees, as follows: Series 1959 (\$33.90); Series 1960 (\$56.73). (RBC's # D-144, D-151)

OTHER FISCAL ITEMS

200

U. T. El Paso - Remodeling of Bell Hall - Computer Center Changes

- 1. The Board of Regents authorized a total project budget of \$ 541,000.00 for the remodeling of Bell Hall. Dr. Templeton and his staff have requested design changes to include a computer center in this project. The Architect/Engineer has prepared the drawings for this change and the Contractor has submitted a quotation of \$ 61,079.35 for this work. The Contractor has been instructed to proceed with this work at a price not to exceed \$ 61,079.35 and a time extension not to exceed 45 days.

Since this change is outside the scope provided by the normal construction contingency allowance and to pay for this change plus Architect/Engineer fees and other miscellaneous expenses, it is recommended that a total of \$ 66,000.00 be added to the project budget. The source of funds for this change is to be designated by the Deputy Chancellor for Administration.

U. T. El Paso - Transfer of Appropriated Funds

- 2. In the docket for the March 5, 1973 meeting it was recommended that the Board of Regents approve the transfer of funds amounting to \$ 55,000.00 for certain changes that were beyond the scope of work in the contract with Robert E. McKee for building the Fine Arts Buildings I and II. The monies were to be set aside for certain changes and additions in the Art, Music and Drama Departments.

Since that time, the Recital Hall sound system has been deleted at the request of the U. T. El Paso Music and Radio-TV Departments, and Robert E. McKee, Contractor, has issued a credit on Change Order No. 9 amounting to \$ 6,245.00.

The Institution has now requested that \$ 15,000.00 (the amount originally earmarked for the sound system) from the \$ 55,000.00 appropriation and the \$ 6,245.00 returned from the Contractor be returned to them as they plan to install the sound system through Physical Plant. Therefore, it is requested that \$ 21,245.00 be transferred as follows:

FROM: Project No. 201-126, Fine Arts Building I and II
The University of Texas at El Paso

TO: Series 1971 Building Use Fee Bonds

200

University Cancer Center (M. D. Anderson Hospital and Tumor Institute) - Transfer of Construction Funds

- 3. Additional gifts and pledges have been received for the Lutheran Hospital and Clinic Addition project, Construction Project Number 703-78, in the total amount of \$ 737,685.66. In addition, funds have been transferred from the Volunteer Shop Account Number 154309 in the amount of \$ 25,000.00 and from Trust Funds Account Number 175660 - Weems Foundation Grant in the amount of \$ 1,236.00 to the allotment account for this project. This provides a total of \$ 763,921.66 from these sources that has not been formally reported to the Board of Regents for this project.

200

University Cancer Center (M. D. Anderson Hospital and Tumor Institute) -
Transfer of Construction Funds (Continued)

The amount of \$ 1,750,000.00 was previously appropriated for this project from the Plant Funds Account "Remodeling of Service Areas to Support Additions to the Hospital and Clinic". It was anticipated that gift funds would be adequate to recover all or part of this appropriation for return to the remodeling account from which it was transferred, where it will be needed when the Lutheran Hospital project is completed. It is requested that authorization be obtained for the appropriation to Construction Project Number 703-78 of the \$.763,921.66 amount above and that authorization also be obtained to release from this project the same amount for return to Plant Funds Account 187600 - Remodeling of Service Areas to Support Additions to the Hospital and Clinic. The net effect of these actions results in no increase in the total funds authorized for the project.

Additional gifts and pledges of varying sizes for the expansion program are still being received. As with those gifts indicated above they will be reported to the Board of Regents either through the Docket or the quarterly small gift report as cash is received. Periodically, a written request regarding the disposition of these gifts and pledges will be submitted.

U. T. ARLINGTON - ALLOCATION OF BUILDING USE AND GENERAL FEES IN CONNECTION WITH BOARD OF DIRECTORS OF THE TEXAS A&M UNIVERSITY SYSTEM, ARLINGTON STATE COLLEGE STUDENT FEE REVENUE BONDS, SERIES 1964, BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS, ARLINGTON STATE COLLEGE STUDENT FEE REVENUE BONDS, SERIES 1966, BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT ARLINGTON STUDENT FEE REVENUE BONDS, SERIES 1968, AND BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT ARLINGTON COMBINED FEE REVENUE BONDS, SERIES 1971, SERIES 1971-A, AND SERIES 1973. --

RESOLUTION

THE STATE OF TEXAS	χ
	χ
THE UNIVERSITY OF TEXAS SYSTEM	χ
	χ

WHEREAS, it is hereby found and determined that the Student Building Use Fees hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with those issues of Board of Directors of The Texas A&M University System - Arlington State College Student Fee Revenue Bonds, Series 1964, Board of Regents of The University of Texas - Arlington State College Student Fee Revenue Bonds, Series 1966, and Board of Regents of The University of Texas System - The University of Texas at Arlington Student Fee Revenue Bonds, Series 1968, and

WHEREAS, it is hereby found and determined that the General Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with the Board of Regents of The University of Texas System, The University of Texas at Arlington Combined Fee Revenue Bonds, Series 1971, Series 1971-A, and Series 1973.

THEREFORE, BE IT RESOLVED BY THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM:

That commencing with the registration for the regular Fall Semester 1973, the following Student Building Use Fees, which, together with other revenues, are pledged to the payment of the aforesaid Series 1964, 1966, and 1968 Bonds, are hereby fixed, levied, charged, and ordered to be collected from each student enrolled at The University of Texas at Arlington, for the use and availability of facilities on the campus of The University of Texas at Arlington, as follows:

- (a) A Business and Science Building Use Fee of \$0.08 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.
- (b) A Library Use Fee of \$0.14 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.
- (c) An Auditorium Use Fee of \$0.14 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.
- (d) A Hospital Use Fee of \$0.14 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, a General Fee for the general use and availability of the University facilities is hereby fixed and shall be collected from each student regularly enrolled at The University of Texas at Arlington, as follows:

\$4.50 per semester credit hour for each of the regular fall and spring semesters, and for each term of each summer session.

U. T. AUSTIN - ALLOCATION OF BUILDING USE AND GENERAL FEES IN CONNECTION WITH BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT AUSTIN BUILDING REVENUE BONDS, SERIES 1969, AND BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, THE UNIVERSITY OF TEXAS AT AUSTIN COMBINED FEE REVENUE BONDS, SERIES 1970, SERIES 1971, AND SERIES 1972. --

RESOLUTION

THE STATE OF TEXAS	X
	X
THE UNIVERSITY OF	X
TEXAS SYSTEM	X

WHEREAS, it is hereby found and determined that the Student Building Use Fees hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with Board of Regents of The University of Texas System, The University of Texas at Austin Building Revenue Bonds, Series 1969, and

WHEREAS, it is hereby found and determined that the General Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, are required to pay all debt service, reserve, and other requirements and expenses in connection with the Board of Regents of The University of Texas System, The University of Texas at Austin Combined Fee Revenue Bonds, Series 1970, Series 1971, and Series 1972.

THEREFORE, BE IT RESOLVED BY THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM:

That commencing with the registration for the regular Fall Semester 1973, the following Student Building Use Fee, which, together with other revenues, is pledged to the payment of the aforesaid Board of Regents of The University of Texas System, The University of Texas at Austin Building Revenue Bonds, Series 1969, is hereby fixed, levied, charged, and ordered to be collected from each student enrolled at The University of Texas at Austin for the use and availability of any, or all, of the Gymnasium Facilities, the Library Facilities, and the Utility Plant, as follows:

\$0.54 cents per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, a General Fee for the general use and availability of the University facilities is hereby fixed and shall be collected from each student regularly enrolled at The University of Texas at Austin as follows:

\$5.46 per semester credit hour for each of the regular fall and spring semesters, and for each term of each summer session.

U. T. EL PASO - ALLOCATION OF BUILDING USE AND GENERAL FEES IN CONNECTION WITH BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS, THE UNIVERSITY OF TEXAS AT EL PASO STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B OF 1967, BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM THE UNIVERSITY OF TEXAS AT EL PASO BUILDING REVENUE BONDS, SERIES 1969, AND BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM THE UNIVERSITY OF TEXAS AT EL PASO COMBINED FEE REVENUE BONDS, SERIES 1970 AND SERIES 1971.

RESOLUTION

THE STATE OF TEXAS X
 X
 THE UNIVERSITY OF X
 TEXAS SYSTEM X

WHEREAS, it is hereby found and determined that the Student Union Building Use Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, is required to pay all debt service, reserve, and other requirements and expenses in connection with Board of Regents of The University of Texas, The University of Texas at El Paso Student Union Building Revenue Bonds, Series A and B of 1967; and

WHEREAS, it is hereby found and determined that the Student Building Use Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, is required to pay all debt service, reserve, and other requirements and expenses in connection with Board of Regents of The University of Texas System, The University of Texas at El Paso Building Revenue Bonds, Series 1969; and

WHEREAS, it is hereby found and determined that the General Fee hereinafter fixed will be more than sufficient to produce the amounts which, together with other pledged revenues, is required to pay all debt service, reserve, and other requirements and expenses in connection with the Board of Regents of The University of Texas System, The University of Texas at El Paso Combined Fee Revenue Bonds, Series 1970 and Series 1971.

THEREFORE, BE IT RESOLVED BY THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM:

That commencing with the registration for the regular Fall Semester 1973, the following Student Union Building Use Fee, which, together with other revenues, is pledged to the payment of the aforesaid Board of Regents of The University of Texas, The University of Texas at El Paso, Student Union Building Revenue Bonds, Series A and B of 1967, is hereby fixed, levied, charged, and ordered to be collected from each student enrolled at The University of Texas at El Paso for the use and availability of facilities on the campus of The University of Texas at El Paso, as follows:

Student Union Building Use Fee of \$0.86 cents per semester credit hour at each of the regular fall and spring semester, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, the following Student Building Use Fee, which, together with other revenues, is pledged to the payment of the aforesaid Board of Regents of The University of Texas System, The University of Texas at El Paso Building Revenue Bonds, Series 1969, is hereby fixed, levied, charged, and ordered to be collected from each student enrolled at The University of Texas at El Paso for the use and availability of the Gymnasium Facilities and the Library Facilities, as follows:

\$1.38 per semester credit hour at each of the regular fall and spring semesters, and for each term of each summer session.

That commencing with the registration for the regular Fall Semester 1973, a General Fee for the general use and availability of the University facilities is hereby fixed and shall be collected from each student regularly enrolled at The University of Texas at El Paso as follows:

\$4.26 per semester credit hour for each of the regular fall and spring semesters, and for each term of each summer session.

THE UNIVERSITY OF TEXAS AT ARLINGTON

Arlington, Texas

August 8, 1973

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
Austin, Texas

Dear Dr. LeMaistre:

The attached docket is submitted for your approval and presentation to the Board of Regents at the meeting on September 14, 1973. The University of Texas at Arlington docket is nineteen pages in length.

Sincerely yours,


for J. H. Nedderman
Acting President

WHN:md
Attachment

AR

THE UNIVERSITY OF TEXAS AT ARLINGTON

BOARD MEETING ON SEPTEMBER 14, 1973

USE OF TEXTBOOKS WRITTEN BY FACULTY MEMBERS

F

I recommend that the following faculty-authored books be approved for use as textbooks:

College of Business Administration

1. *Microeconomic Theory and Functions, by Professor Thomas E. Holland, which sells for \$11.95 with royalty of \$1.50 to author.
2. Financial Accounting: Concepts, Uses, and Problems, by Professor Howard J. Snavely and Assistant Professor Wayne Label, which will sell for \$4.00 with no royalties paid to authors.
3. *Personnel Planning and Selection Simulation, by Professor Jerry C. Wofford, which sells for \$5.95 with 52¢ royalty to author.
4. *Statistical Methods for Business Decisions, by Professor Lawrence L. Schkade, which sells for \$11.80 with \$1.10 royalty to author.

College of Engineering

1. *The University of Texas at Arlington Low Speed Wind Tunnel, by Professor Jack E. Fairchild and Associate Professor D. D. Seath, which sells for \$1.00 with no royalties paid to authors.
2. *Descriptive Geometry Problems, Series A, by Associate Professors C. W. Crenshaw and G. C. Grubb, which sells for \$3.45 with royalty of 85¢ to each author.
3. *Problems in Engineering Graphics, by Associate Professors C. W. Crenshaw and G. C. Grubb and Assistant Professor A. S. King, which sells for \$3.25 with 60¢ royalty to each author.
4. *Experiments in Electrical Engineering, Labs I and II, by Professor Floyd L. Cash, which sells for \$3.75 with no royalty paid to author.
5. *Transient Analysis of Circuits, by Professors S. F. Crumb and C. W. Jiles, which sells for \$7.50 with no royalties paid to authors.
6. *An Introduction of Mechanical Engineering Systems Modeling, by Professor C. C. Blackwell, which sells for \$4.00 with 10¢ royalty paid to author.

College of Liberal Arts

1. Study Guide for Introductory Psychology, by faculty members in the Department of Psychology, which will sell for \$1.31 with no royalties paid.
2. *Quick Steps to Marching, by Professor Jack Mahan, which sells for \$1.00 with 10¢ royalty paid to author.
3. Women's Basketball, by Assistant Professor Carla D. Lowry, which will sell for \$1.00 with no royalty to author.
4. *Logic for Laymen, by Associate Professor H. B. Dalrymple, which sells for \$4.00 with \$1.60 royalty to author.
5. *Applied Logic, by Associate Professor H. B. Dalrymple, which sells for \$3.00 with no royalty paid to author.
6. *Governing Texas: Documents and Readings, by Professors Irving O. Dawson and Luther G. Hagard, Jr., which sells for \$3.95 with 13¢ royalty to each author.
7. *Why Study Philosophy, by Adjunct Associate Professor Donald H. Weiss, which sells for \$3.00 with 45¢ royalty to author.

College of Science

1. *Geology Laboratory Manual, authored by faculty members in Department of Geology, which sells for 90¢ with 15¢ royalty placed in Geology Fund.
2. *Mineral Kit assembled by The University of Texas at Arlington Geological Society which sells for \$1.50 with \$1.25 returned to the Geological Society.
3. *Rock Study Kit assembled by local chapter of Sigma Gamma Epsilon which sells for \$1.75 with \$1.45 returned to this Society.
4. *Experiments in General Chemistry, authored by faculty members of the Department of Chemistry, which sells for \$3.50. Royalty of 40¢ goes to the Rayford L. Hoyle Scholarship Fund in Chemistry.
5. Laboratory Manual, authored by faculty members of the Department of Chemistry, which will sell for \$3.50 with royalty of 40¢ to go to the Department of Chemistry.
6. *Physics Laboratory Manual, authored by faculty members of the Department of Physics, which sells for \$5.50 with royalty of 83¢ paid to Department of Physics Faculty Scholarship Fund.
7. *Introduction to Abstract Algebra, by Associate Professors A. R. Mitchell and R. W. Mitchell, which sells for \$9.95 with no royalty to authors.

8. *Laboratory Manual for Biology 1447, authored by faculty members of the Department of Biology, which sells for \$1.66 with 50¢ royalty returned to department scholarship fund.
9. *Laboratory Manual for Biology 1448, authored by Assistant Professor M. S. Sharp, which sells for \$1.73 with 50¢ royalty returned to department scholarship fund.
10. *Laboratory Manual for Biology 2450, by Associate Professor Frank G. Gladden, which sells for \$1.74 with 50¢ royalty returned to department scholarship fund.
11. *Laboratory Manual for Biology 2451, by Associate Professor Frank G. Gladden, which sells for \$1.29 with 50¢ royalty returned to department scholarship fund.
12. *Laboratory Manual for Biology 2452, by Professor T. E. Kennerly, Jr., which sells for \$1.44 with 50¢ royalty returned to department scholarship fund.
13. *Laboratory Manual for Biology 3443, by Associate Professor James K. Butler, which sells for \$1.25 with 50¢ royalty returned to department scholarship fund.
14. *Laboratory Manual for Biology 3347, by Professor W. B. McCrady, which sells for \$1.89 with 50¢ royalty returned to department scholarship fund.

HOLIDAY SCHEDULE FOR SALARIED EMPLOYEES FOR 1973-74

I recommend the following dates to be observed as holidays for salaried employees for the 1973-74 fiscal year at The University of Texas at Arlington:

September 3, 1973	Monday	Labor Day
November 22, 1973	Thursday	Thanksgiving Day
November 23, 1973	Friday	Thanksgiving Holiday
December 24, 1973	Monday	Christmas Holiday
December 25, 1973	Tuesday	Christmas Day
December 26, 1973	Wednesday	Christmas Holiday
December 27, 1973	Thursday	Christmas Holiday
December 28, 1973	Friday	Christmas Holiday
December 31, 1973	Monday	Christmas Holiday
January 1, 1974	Tuesday	New Year's Day
January 2, 1974	Wednesday	Christmas Holiday
March 14, 1974	Thursday	Spring Holiday
March 15, 1974	Friday	Spring Holiday
July 4, 1974	Thursday	Independence Day
August 27, 1974	Tuesday	Lyndon Baines Johnson Birthday

*Textbooks previously approved

BUSINESS CONTRACTS

F + D

I recommend ratification of the following vending machine contracts :

1. Agreement between The University of Texas at Arlington and Woody Taylor Vending Company, Fort Worth, Texas, covering food and drink machines, for the period August 25, 1973, through the last day of Summer School, August, 1975.
2. Agreement between The University of Texas at Arlington and United Coin Meter Company, Inc., Dallas, Texas, covering electric clothes washers, electric clothes dryers and gas clothes dryers, for the period August 25, 1973, through the last day of Summer School, August, 1975.
3. Agreement between The University of Texas at Arlington and Coca-Cola Bottling Company of Fort Worth, covering food and drink machines, for the period August 25, 1973, through the last day of Summer School, August, 1975.

RESEARCH AND OTHER ACADEMIC CONTRACTS

The following contracts, grants and amendments have been signed by the appropriate official upon the recommendation of the respective technical directors and fiscal officers.

Expenditures from these contracts and grants will be made in accordance with regular University operating procedures and contractual limitations. I recommend your approval and ratification of signatures.

NON-FEDERAL PROJECTS

D + D

1. Seventh Annual Community Service and Continuing Education Project Matching Grant #73-060-003 (Title I, HEA of 1965), by the Coordinating Board, Texas College and University System, for the period January 1, 1973 to December 30, 1974. The title of the project is "Local Government Advisory Service" and the amount of the grant is \$45,000. Proposal submitted by Dr. Sherman M. Wyman.
2. Supplementary award of \$8,046.19 by Texas Electric Service Company to complete research entitled "The Fishes of Lake Arlington." These supplementary funds will fund the project through the fall semester, 1973. The research is under the direction of Dr. Thomas Hellier.
3. Agreement between the Graduate School of Social Work of The University of Texas at Arlington and the Fort Worth State Mental Health Clinic providing for field placement of four graduate students from September 1, 1973, to the end of the Spring Semester 1974.
4. Agreement between the Graduate School of Social Work of The University of Texas at Arlington and Timberlawn Psychiatric Hospital, Inc., providing for field placement of two graduate students from September 1, 1973 through May 15, 1974.

5. Agreement between the Graduate School of Social Work of The University of Texas at Arlington and Baylor Medical Center providing for field placement of two graduate students from September 1, 1973, through May 15, 1974.
6. Agreement between the Institute of Urban Studies of The University of Texas at Arlington and the City of Waxahachie dated May 1, 1973, covering technical services to be rendered the City of Waxahachie by the Institute of Urban Studies under the guidelines of the Intergovernmental Personnel Act of 1970. The cost is not to exceed \$20,100. Services are to be completed within 264 working days from the date of Contract.
7. Amendment No. 1 to Interagency Contract No. IAC(72-73)-824 between the Institute of Urban Studies at The University of Texas at Arlington and Texas Department of Community Affairs setting forth a completion date for the Contract no later than the 31st day of August, 1973.
8. Interagency Cooperation Contract IAC(72-73)-1258 between The University of Texas at El Paso and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period June 15, 1973 through August 31, 1975.
9. Interagency Cooperation Contract IAC(72-73)-1259 between Lamar University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
10. Interagency Cooperation Contract IAC(72-73)-1260 between Midwestern University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
11. Interagency Cooperation Contract IAC(72-73)-1261 between Sam Houston State University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
12. Interagency Cooperation Contract IAC(72-73)-1262 between Southwest Texas State University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
13. Interagency Cooperation Contract IAC(72-73)-1263 between Stephen F. Austin State University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.

14. Interagency Cooperation Contract IAC(72-73)-1264 between Sul Ross State University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
15. Interagency Cooperation Contract IAC(72-73)-1265 between Texas A&M University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
16. Interagency Cooperation Contract IAC(72-73)-1266 between The University of Houston and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
17. Interagency Cooperation Contract IAC(72-73)-1267 between The University of Texas at Dallas and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
18. Interagency Cooperation Contract IAC(72-73)-1268 between The University of Texas at San Antonio and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
19. Interagency Cooperation Contract IAC(72-73)-1269 between The University of Texas Health Science Center at Houston and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
20. Interagency Cooperation Contract IAC(72-73)-1270 between The University of Texas Medical Branch at Galveston and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
21. Interagency Cooperation Contract IAC(72-73)-1271 between West Texas State University and The University of Texas at Arlington providing for rental of 16mm educational motion picture films and other instructional materials at a cost not to exceed \$2,500 for the period July 5, 1973 through August 31, 1975.
22. Interagency Cooperation Contract IAC(74-75)-007 between The University of Texas at Arlington and The University of Texas at San Antonio covering the use of meeting rooms for conferences and meetings at the rates set forth in schedule attached. Contract is to begin September 1, 1973 and end August 31, 1975.

THE UNIVERSITY OF TEXAS AT ARLINGTON

FEDERAL CONTRACTS AND GRANTS

BOARD MEETING ON SEPTEMBER 14, 1973

20 ↑ 11

1. Grant Number OEG-O-73-4079 by the Department of Health, Education, and Welfare under the College Library Resources Program authorized by Title II-A of the Higher Education Act of 1965, as amended. The amount of the award is \$5,000 and the period of the grant is 6-30-73 through 6-30-74. The full amount of this award will be expended in Tarrant County, Texas.
2. Grant Number 46-P-30162/6-02 by the Office of Manpower Development and Training, Department of Health, Education and Welfare, in the amount of \$18,688, for a Social Work Training Project under the direction of Dr. F. G. Torgerson, Graduate School of Social Work. The total project period is from 7-1-72 through 6-30-74. The full amount of this award will be expended in Tarrant County, Texas.
3. Transaction Number 731E1922 - 732E1922 whereby the Department of Health, Education, and Welfare allocates \$152,834 for the National Direct Student Loan Program for the period July 1, 1973, through June 30, 1974. The full amount of this award will be expended in Tarrant County, Texas.
4. Transaction Number 7307177E whereby the Department of Health, Education, and Welfare allocates \$88,234.01 for the Veterans' Cost-of-Instruction Program for the period July 1, 1973 through June 30, 1974. The full amount of this award will be expended in Tarrant County, Texas.
5. Award Number 73-IN-06-0001 whereby the United States Department of Justice, Law Enforcement Assistance Administration, awards \$800 under the Law Enforcement Education Internship Program for the period 7-1-73 to 9-30-73. The full amount of this award will be expended in Tarrant County, Texas.

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - September 14, 1973

GENERAL ADMINISTRATIONOffice of the Vice-President for Academic Affairs

1. Appoint Mary Lynn Crow as Assistant to Vice-President for Academic Affairs at 50% with stipend of \$950, 1 1/2 months; with annual rate of \$15,200 effective July 16, 1973. Funds available from budgeted position within the department. (RBC #530)

GENERAL INSTITUTIONAL EXPENSEOffice of Institutional Study

2. Appoint Arlie V. Goyne, Jr. (Tenure), Professor with academic rate of \$16,800 to this account at 100% with stipend of \$5600, 3 months; effective June 1, 1973. Funds available from Official Functions-Maintenance and Operations and Unallocated General Institutional Expenses-Unallocated Salaries and Maintenance and Operation. (RBC #517)

LIBERAL ARTSDepartment of Art

3. Transfer of Funds:

From:	Wages	\$150.
To:	Maintenance and Operation	\$150.
For:	To provide funds in Maintenance and Operation to purchase supplies needed within the department.	

(RBC #539)

4. Transfer of Funds:

From:	Travel	\$220.
To:	Capital Outlay	\$220.
For:	To provide funds for the purchase of capital outlay items required within the department.	

(RBC #556)

Department of Foreign Languages and Linguistics

5. Transfer of Funds:

From:	Capital Outlay	\$77.70
To:	Wages	\$77.70
For:	Additional funds are required in Wages due to unexpected expenses during the fiscal year.	

(RBC #543)

Department of History and Philosophy

6. Transfer of Funds:

From:	Wages	\$400.
To:	Maintenance and Operation	\$400.
For:	To provide funds to purchase supplies needed to handle extra-heavy typing load for the department.	

(RBC #519)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - September 14, 1973

7. Transfer of Funds:

From:	Travel	\$65.24
To:	Maintenance and Operation	\$65.24

For: To provide funds in Maintenance and Operation to purchase supplies and materials needed within the department.
(RBC #540)

Department of Psychology

8. Transfer of Funds:

From:	Travel	\$181.85
To:	Maintenance and Operation	\$181.85

For: To provide funds in Maintenance and Operation to meet current operating expenses.
(RBC #531)

Department of Sociology

9. Transfer of Funds:

From:	Wages	\$283.04
To:	Maintenance and Operation	\$283.04

For: Additional funds required in Maintenance and Operation to cover the increased cost of telephone service and the increase in departmental instructional costs.
(RBC #544)

Department of Communication

10. Transfer of Funds:

From:	Capital Outlay	\$420.
To:	Wages	\$420.

For: Hourly wages for student workers was inadequate to meet requirements for the year.
(RBC #551)

SCIENCEOffice of the Dean of Science

11. Transfer of Funds:

From:	Travel	\$595.
To:	Wages	\$595.

For: Additional funds required to pay student help during the fiscal year.
(RBC #545)

Department of Biology

12. Transfer of Funds:

From:	Travel	\$1000.
To:	Wages	\$1000.

For: To provide funds for employment of more student assistants than was anticipated due to the major enrollment increase within the department.
(RBC #520)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - September 14, 1973

Department of Chemistry

13. Transfer of Funds:
- | | | |
|-------|---|-------|
| From: | Dean of Science-Travel | \$60. |
| To: | Department of Chemistry-
Travel | \$60. |
| For: | Additional travel funds required by the Department of Chemistry due to unanticipated travel required during the year. | |
- (RBC #546)

Department of Mathematics

14. Transfer of Funds:
- | | | |
|-------|--|--------|
| From: | Capital Outlay | \$800. |
| To: | Wages | \$800. |
| For: | Additional funds required in Wages due to the lack of Work Study students. | |
- (RBC #552)

Department of Physics

15. Transfer of Funds:
- | | | |
|-------|---|-----------|
| From: | Maintenance and Operation | \$1000. |
| | Unallocated Departmental
Operating Expense-Unallocated
Salaries | \$ 122.25 |
| To: | Wages | \$1122.25 |
| For: | To provide funds in Wages to pay laboratory assistants for the remainder of the summer session. | |
- (RBC #541)

BUSINESS ADMINISTRATIONOffice of the Dean of Business Administration

16. Transfer of Funds:
- | | | |
|-------|---|---------|
| From: | Wages | \$ 600. |
| | Capital Outlay | \$ 200. |
| | Travel | \$ 600. |
| To: | Maintenance and Operation | \$1400. |
| For: | To provide funds to pay for the printing of the PhD proposal and for other supplies needed in the office. | |
- (RBC #547)

Department of Accounting

17. Transfer of Funds:
- | | | |
|-------|--|--------|
| From: | Wages | \$800. |
| To: | Maintenance and Operation | \$800. |
| For: | To provide funds for purchase of supplies needed within the department for the balance of the fiscal year. | |
- (RBC #533)

18. Accept the resignation of Mark J. Epstein (non-tenure), Assistant Professor with academic rate of \$13,800 effective May 31, 1973. (RBC #465)

RECOMMENDED AMENDMENTS TO 1972-73 BUDGET

Board Meeting - September 14, 1973

ENGINEERINGDepartment of Aerospace Engineering

19. Re-appoint Kenneth L. Strong as Graduate Research Associate at 50% with stipend of \$1200, 3 months; effective June 1, 1973. Funds are available from Unallocated Departmental Operating Expense - Unallocated Salaries. (RBC #493)

Department of Electrical Engineering

20. Accept the resignation of John D. Patterson (Tenure), Associate Professor with academic rate of \$14,700 effective May 31, 1973. (RBC #514)

GRADUATE SCHOOLCriminal Justice Program

21. Re-appoint Elva M. Barger, Senior Secretary with annual rate of \$5892 effective June 1, 1973. Funds are available from Unallocated Departmental Operating Expense-Unallocated Salaries. (RBC #504)

COMPUTER DEVELOPMENT AND TRAINING

22. Change the status of Melvin L. Pierce, Acting Director with annual rate of \$20,000 from 50% with stipend of \$2500 to 75% with stipend of \$3750, 3 months; effective June 1, 1973. Funds are available from Unallocated Departmental Operating Expense-Unallocated Salaries. (RBC #503)

23. Transfer of Funds:

From:	Wages	\$2500.
	Computer Services	\$1000.
To:	Maintenance and Operation	\$3500.
For:	To provide funds for the purchase of supplies for the Remote Batch Terminals.	

(RBC #548)

LIBRARYLibrary All Other

24. Transfer of Funds:

From:	Unallocated Library-	
	Unallocated Salaries	\$4604.22
To:	Maintenance and Operation	\$3079.22
	Capital Outlay	\$1525.00
For:	Due to price increase in supply materials additional funds are needed for maintenance and operation. Funds in capital outlay are to be used for the purchase of a microfilm reader.	

(RBC #536)

25. Transfer of Funds:

From:	Unallocated Library-	
	Unallocated Salaries	\$1850.
To:	Capital Outlay	\$1850.
For:	To provide funds for the purchase of 16mm picture projectors to show films in classroom instruction.	

(RBC #553)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - September 14, 1973

ORGANIZED RESEARCHOrganized Research-Economics

26. Appoint Robert L. Rafter (non-tenure), Instructor with academic rate of \$9200 to this account at 100% with stipend of \$1533, 1 1/2 months; effective June 1, 1973. Funds are available within the account. (RBC #470)

SPECIAL ITEMSInstitute of Urban Studies

27. Appoint James V. Cornehl (Tenure), Associate Professor with academic rate of \$16,400 at 100% with stipend of \$2733, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Salaries within the account. (RBC #509)

28. Re-appoint Paul N. Geisel (Tenure) as Associate Professor with academic rate of \$17,200 at 100% with stipend of \$5733, 3 months; effective June 1, 1973. Funds are available from Unallocated Salaries within the department. (RBC #515)

29. Re-appoint Delbert A. Taebel (non-tenure), Assistant Professor with academic rate of \$14,200 at 100% for one month, effective June 1, 1973. Funds are available from Unallocated Salaries within the department. (RBC #516)

30. Appoint Gordon D. Cumming (non-tenure) as Assistant Professor and Director of Urban Systems Programs at 100% with stipend of \$2,000, 1 1/2 months; academic rate of \$12,000 effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #534)

31. Transfer of Funds:

From:	Unallocated Salaries	\$3742.84
To:	Maintenance and Operation	\$2142.84
	Travel	\$1600.00
For:	To provide funds to cover additional expenses in Maintenance and Operation required by the Institute for the fiscal year; and also to cover additional required travel for the remainder of the year.	

(RBC #554)

Graduate Development Program

32. Appoint William C. McDonald (initial request for tenure award) as Professor with academic rate of \$21,000 effective June 1, 1973. Funds are available from faculty salaries within the account. (RBC #471)

AUXILIARY ENTERPRISESStudent Activities - General

33. Transfer of Funds:

From:	Travel	\$557.90
To:	Maintenance and Operation	\$557.90
For:	To provide funds to purchase needed supplies for the Rifle and Pistol Teams.	

(RBC #549)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - September 14, 1972

SERVICE DEPARTMENTSLibrary Duplication

34. Transfer of Funds:

From:	Clerk	\$3912.
	Estimated Income	\$1088.
To:	Maintenance and Operation	\$5000.
For:	To cover the increased cost in purchasing supplies for the operations of the Photocopying Center.	

(RBC #535)

CURRENT RESTRICTED FUNDSDepartment of Public Welfare-School of Social Work

35. Re-appoint John J. Litrio (Tenure), Associate Professor with academic rate of \$13,800 at 100% with stipend of \$4600, 3 months; effective June 1, 1973.

Funds are available from Grant Funds within the account. (RBC #472)

36. Re-appoint Wayne D. Duehn (Tenure), Associate Professor with academic rate of \$15,600 at 100% with stipend of \$5200, 3 months; effective June 1, 1973.

Funds are available from Grant Funds within the account. (RBC #473)

37. Re-appoint Anthony J. Arangio (Tenure), Associate Professor with academic rate of \$15,400 at 100% with stipend of \$5132, 3 months; effective June 1, 1973.

Funds are available from Grant Funds within the account. (RBC #474)

38. Re-appoint Michael D. Saleebey (Tenure), Associate Professor with academic rate of \$15,600 at 100% with stipend of \$5200, 3 months; effective June 1, 1973.

Funds are available from Grant Funds within the account. (RBC #475)

National Science Foundation Grant

39. Appoint Alfred R. Potvin (non-tenure), Associate Professor with academic rate of \$16,800 at 46% with stipend of \$2601, 3 months; effective June 1, 1973.

Funds are available from Grant Funds within the account. (RBC #494)

Department of Transportation Grant

40. Appoint John J. Haynes (Tenure), Professor with academic rate of \$20,600 to this account at 25% with stipend of \$1717, 3 months; effective June 1, 1973. Funds are available from Grant Funds within the account. (RBC #476)

41. Appoint Blaine T. Williams (Tenure), Professor with academic rate of \$14,900 to this account at 50% with stipend of \$1241, 1 1/2 months; effective July 16, 1973.

Funds are available from Grant Funds within the account. (RBC #477)

Urban Mass Transportation Grant

42. Appoint James V. Cornehlis (Tenure), Associate Professor with academic rate of \$16,400 at 100% with stipend of \$2733, 1 1/2 months; effective July 16, 1973.

Funds are available within the account. (RBC #510)

43. Appoint Delbert A. Taebel (non-tenure), Assistant Professor to this account at 100% with stipend of \$2367, 1 1/2 months; effective July 1 - August 15, 1973.

Funds are available within the account. (RBC #537)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - September 14, 1973

Housing and Urban Development Grant

44. Appoint Arthur R. Poor (Tenure), Associate Professor with academic rate of \$15,800 to this account at 100% with stipend of \$3511, 2 months; effective June 1, 1973. Funds are available from Grant Funds within the account. (RBC #478)

Department of Health, Education and Welfare

45. Re-appoint Khairati L. Sindwani (non-tenure), Visiting Professor at 75% with stipend of \$4750, 3 months; effective June 1, 1973. Funds are available from Grant Funds within the account. (RBC #525)

46. Re-appoint Mohini Sindwani (non-tenure), Visiting Associate Professor at 50% with stipend of \$2667, 3 months; effective June 1, 1973. Funds are available from Grant Funds within the account. (RBC #526)

47. Re-appoint Ronald C. Burrus (non-tenure), Lecturer at 11% with stipend of \$443, 3 months; effective June 1, 1973. Funds are available from Grant Funds within the account. (RBC #523)

United States Department of Agriculture-Hydraulic Model Studies

48. Appoint Clifton W. Crenshaw (Tenure), Associate Professor with academic rate of \$11,600 at 100% with stipend of \$3866, 3 months; effective June 1, 1973. Funds are available from Grant Funds within the account. (RBC #511)

49. Appoint Max Spindler (non-tenure), Assistant Professor at 100% with stipend of \$4533, 3 months; academic rate of \$13,600, effective June 1, 1973. Funds are available from Grant Funds within the account. (RBC #512)

Welch Foundation Grant Y-372

50. Appoint Andrew T. Armstrong (Tenure), Associate Professor with academic rate of \$14,500 to this account at 100% with stipend of \$1875, 1 1/2 months, effective June 1, 1973. [Stipend limited to \$1875 by Welch Foundation Grant.] Funds are available from Grant Funds within the account. (RBC #479)

Welch Foundation Grant Y-400

51. Appoint John D. McNutt (Tenure), Associate Professor with academic rate of \$14,500 to this account at 100% with stipend of \$2500, 2 months; effective June 1, 1973. [Stipend limited to \$2500 by Welch Foundation Grant.] Funds are available from Grant Funds within the account. (RBC #527)

Welch Foundation Grant Y-484

52. Appoint Andrew L. Ternay, Jr. (Tenure), Associate Professor with academic rate of \$15,800 at 100% with stipend of \$2500; 2 months, effective June 1, 1973. [Stipend limited to \$2500 by Welch Foundation Grant.] Funds are available from Grant Funds within the account. (RBC #484)

Welch Foundation Grant Y-448

53. Appoint Edward Bellion (non-tenure), Assistant Professor with academic rate of \$11,600 to this account at 100% with stipend of \$1875, 1 1/2 months; effective July 16, 1973. [Stipend limited to \$1875 by Welch Foundation Grant.] Funds are available from Grant Funds within the account. (RBC #480)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

Board Meeting - September 14, 1973

Welch Foundation Grant Y-530

54. Appoint Daniel M. Blake (non-tenure), Assistant Professor with academic rate of \$11,700 at 100% with stipend of \$2400, 1.92 months; effective July 3, 1973. [Stipend limited to \$2400 by Welch Foundation Grant.] Funds are available from Grant Funds within the account. (RBC #482)

Petroleum Research Fund

55. Appoint Daniel M. Blake (non-tenure), Assistant Professor with academic rate of \$11,700 at 100% with stipend of \$1400, 1.08 months; effective June 1, 1973. Funds are available within the account. (RBC #481)

Electronics for Scientists

56. Appoint Joe D. Spradlin (Tenure), Professor with academic rate of \$16,300 to this account at 100% with stipend of \$4527.77 for 2 1/2 months; effective June 15, 1973. Funds are available within the account. (RBC #492)

PLANT FUNDSPaying Agents Fees - Constitutional Tax Bonds

57. Transfer of Funds:

From:	Unappropriated Plant Funds	
	Proceeds of Constitutional Tax Funds	\$370.80
To:	Maintenance and Operation	\$370.80
For:	To provide funds for Constitutional Tax Bonds Paying Agents fees.	

(RBC #485)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1973 SUMMER BUDGET

Board Meeting - September 14, 1973

LIBERAL ARTSDepartment of English

1. Change the status of George Fortenberry (Tenure), Professor with academic rate of \$14,400 from 50% with stipend of \$1200 to 100% with stipend of \$2400, 1 1/2 months; effective June 1, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #521)

Department of Foreign Languages and Linguistics

2. Remove Rimma Palangian (non-tenure), Instructor with academic rate of \$8400 from the summer budget for the period 6/1 - 7/15 at 100% with stipend of \$1400. (RBC #486)

Department of Psychology

3. Appoint Harriett Amster (non-tenure), Professor with academic rate of \$18,100 at 50% with stipend of \$1508, 1 1/2 months; effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #538)

Department of Sociology

4. Re-appoint Ronald C. Burrus (non-tenure) as Lecturer at 14% with stipend of \$557, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #522)

5. Appoint Karen C. Holmes (non-tenure) as Lecturer at 25% with stipend of \$1000, 1 1/2 months; effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #532)

SCIENCEDepartment of Mathematics

6. Change the status of Roger W. Mitchell (Tenure), Associate Professor with academic rate of \$16,000 from 25% with stipend of \$666 to 75% with stipend of \$1999, 1 1/2 months; effective July 16, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #487)

BUSINESS ADMINISTRATIONDepartment of Business Administration

7. Change the title of Donald W. Cantwell (Tenure) from Associate Professor and Chairman to Associate Professor effective June 1, 1973. No change in academic rate of \$11,300 and remains in summer budget at 100% with stipend of \$3766, 3 months; effective June 1, 1973. (RBC #529)

8. Re-appoint David J. Terrell (non-tenure), Instructor with academic rate of \$8500 at 25% with stipend of \$708, 3 months; effective June 1, 1973. Funds are available from budgeted faculty salaries within the department. (RBC #466)

9. Re-appoint Donald B. McWilliams (non-tenure) as Lecturer at 25% with stipend of \$750, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #502)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1973 SUMMER BUDGET

Board Meeting - September 14, 1973

10. Re-appoint Jerry B. Johnson (non-tenure) as Graduate Teaching Assistant at 75% with stipend of \$1125, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #513)

11. Change the academic rate of William L. Ashley (non-tenure), Assistant Professor from \$13,500 to \$13,000 effective July 16, 1973. Did not complete Ph.D. Remain in summer budget at 100% with stipend of \$2166, 1 1/2 months. Funds available in budgeted faculty salaries within the department. (RBC #542)

12. Promote Edwin A. Gerloff (non-tenure) from Assistant Professor to Assistant Professor and Acting Chairman with no change in academic rate of \$14,200 and increase percentage of time from 50% to 100% with stipend of \$4732, 3 months; effective June 1, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #524)

Department of Economics

13. Re-appoint Thomas E. Holland (Tenure), Professor with academic rate of \$18,200 at 100% with stipend of \$3033, 1 1/2 months, effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #467)

14. Re-appoint Charles M. Hargrove (non-tenure), Assistant Professor with academic rate of \$12,500 at 100% with stipend of \$2083, 1 1/2 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #468)

15. Re-appoint Robert L. Rafter (non-tenure), Instructor with academic rate of \$9200 at 100% with stipend of \$1533, 1 1/2 months; effective July 16, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #469)

ENGINEERINGDepartment of Aerospace Engineering

16. Change the status of Jack E. Fairchild (Tenure), Professor and Chairman with academic rate of \$18,400 from 50% with stipend of \$1533, 1 1/2 months; to 58% with stipend of \$3576, 3 months; effective June 1, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #495)

17. Change the status of Joseph W. Dalley (Tenure), Professor with academic rate of \$19,400 from 25% with stipend of \$808 to 75% with stipend of \$2424, 1 1/2 months; effective July 16, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #555)

Department of Civil Engineering

18. Change the status of Grover C. Grubb (Tenure), Associate Professor with academic rate of \$12,700 from 50% with stipend of \$1058 to 100% with stipend of \$2116, 1 1/2 months, effective June 1, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #488)

19. Change the status of Grover C. Grubb (Tenure), Associate Professor with academic rate of \$12,700 from 50% with stipend of \$1058 to 100% with stipend of \$2116, 1 1/2 months; effective July 16, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #550)

Department of Mechanical Engineering

20. Change the status of A. Haji-Sheikh (Tenure), Professor with academic rate of \$16,300 from 50% with stipend of \$1358 to 100% with stipend of \$2716, 1 1/2 months, effective July 16, 1973. Additional funds available from Unallocated Faculty Salaries. (RBC #496)

21. Remove Kent L. Lawrence (Tenure), Professor with academic rate of \$16,000 from the summer budget at 75% for the period 6/1 - 7/15 with stipend of \$1999. (RBC #489)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1973 SUMMER BUDGET

Board Meeting - September 14, 1973

22. Change the status of Tommy J. Lawley (non-tenure), Assistant Professor with academic rate of \$14,000 from 50% with stipend of \$2332 to 100% with stipend of \$4666, 3 months; effective June 1, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #490)

Department of Electrical Engineering

23. Appoint Don L. Cannon (non-tenure), Assistant Professor with academic rate of \$13,400 to this account at 42% with stipend of \$1876, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #497)

Department of Industrial Engineering

24. Remove Larry E. Stanfel (non-tenure), Associate Professor with academic rate of \$17,500 from the summer budget at 100% with stipend of \$5832 as of June 1, 1973. (RBC #483)

25. Appoint Roger S. Walker (non-tenure) as Assistant Professor with academic rate of \$13,000 at 100% with stipend of \$4332, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #491)

26. Change the status of Don L. Cannon (non-tenure), Assistant Professor with academic rate of \$13,400 from 25% with stipend of \$1116, 3 months; to 58% with stipend of \$2590, 3 months; effective June 1, 1973. Additional funds are available from Unallocated Faculty Salaries. (RBC #498)

27. Remove Kent L. Lawrence (Tenure), Associate Professor with academic rate of \$16,000 from the summer budget for the period 6/1 - 8/31 at 25% with stipend of \$1333. (RBC #499)

28. Re-appoint Donald R. Wilson (non-tenure), Instructor with academic rate of \$12,500 at 50% with stipend of \$1042, 1 1/2 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #500)

29. Appoint Joseph J. Stanovsky (Tenure), Associate Professor with academic rate of \$13,700 to this account at 25% with stipend of \$1141, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #501)

GRADUATE SCHOOLSocial Work

30. Remove Dennis Salleeby (Tenure), Associate Professor with academic rate of \$15,600 from summer budget at 50% with stipend of \$2600, 3 months; as of June 1, 1973. (RBC #528)

Criminal Justice Program

31. Re-appoint Mary G. Almore (non-tenure) as Adjunct Assistant Professor at 25% with stipend of \$1200, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #505)

32. Re-appoint Melvin Brown, Jr. (non-tenure), Adjunct Assistant Professor at 25% with stipend of \$900, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #506)

THE UNIVERSITY OF TEXAS AT ARLINGTON

RECOMMENDED AMENDMENTS TO THE 1973 SUMMER BUDGET

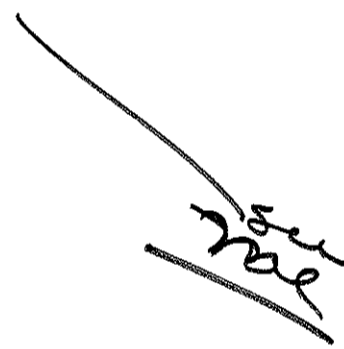
Board Meeting - September 14, 1973

33. Appoint Paul R. Magee (non-tenure) as Adjunct Assistant Professor at 25% with stipend of \$1200, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #507)

34. Appoint Judith J. Carrier (non-tenure) as Adjunct Assistant Professor at 25% with stipend of \$1200, 3 months; effective June 1, 1973. Funds are available from Unallocated Faculty Salaries. (RBC #508)

OTHER FISCAL ITEMS

Purchase of IBM 370/158 Computer and Related Equipment for North Texas Regional Computer Center -- Pursuant to the authorization at Regents' Meeting No. 715, plans have been finalized for purchase of an IBM 370/158 Central Processing unit with major peripherals, including disk drives, tape drives, control units with related devices and features. Delivery date for the Central Processing unit is anticipated to be about January, 1974, and of the related peripheral equipment with accrued credits from current rentals at an earlier date. Total cash purchase price is \$ 2,237,429. Funds are available for this purchase from U. T. Arlington Account 0566 - Unappropriated Plant Funds. This action is to authorize the appropriation for this purchase.

A handwritten signature, possibly "J. J. Carrier", is written in dark ink. To the right of the signature, the date "9/14/73" is written. The signature and date are enclosed within a simple, hand-drawn rectangular box.

THE UNIVERSITY OF TEXAS AT AUSTIN

Office of the President

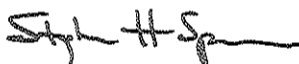
September 14, 1973

Charles A. LeMaistre, M. D.
Chancellor
The University of Texas System
Austin, Texas 78701

Dear Dr. LeMaistre:

The following docket for The University of Texas at Austin is submitted for your approval and submission to the Board of Regents at its meeting on September 14, 1973.

Sincerely yours,



Stephen H. Spurr
President

THE UNIVERSITY OF TEXAS AT AUSTIN

INDEX

September 14, 1973

Meeting

Amendments to Personnel Pay Plan for the Fiscal Year 1973-1974 -----	A-13
Budget -----	A-41
Contracts	
Grants, contracts, and agreements (Federal) --	A-25
Grants, contracts, and agreements (Non-Governmental)-----	A-15
Grants, contracts, and agreements (State)----	A-19
Gifts -----	A- 2
HEW Health Professions Student Assistance Program -----	A-14
Institute of Interdisciplinary Research Gift -----	A-14
Travel for Faculty and Staff -----	A- 5
Use of Faculty Authored Textbooks -----	A-11

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

20 + A

GIFTS TO THE UNIVERSITY OF TEXAS AT AUSTIN

The following gifts have been received. I recommend acceptance and that the thanks and appreciation of the Board be sent the donors by the Secretary.

A single asterisk preceding the name of the donor indicates no letter of transmittal from the donor. Two asterisks following the dollar amount indicate a noncash gift. In the case of unsold stock, the dollar amount stated is an appraisal or book value.

	DONOR	PURPOSE AND CONDITIONS	AMOUNT
1	J. S. Abercrombie Foundation R. H. McCullough, Trustee Gulf Building Houston, Texas 77002	College of Business Administration Unrestricted grant to be used for various programs	\$25,000.00
2	*American Marketing Association 230 North Michigan Avenue Chicago, Illinois 60601	College of Business Administration Contribution to cover costs of editing the <u>Journal of Marketing</u>	5,000.00
3	*American Psychological Association 1200 17th Street, N.W. Washington, D. C. 20036	College of Social and Behavioral Sciences Contribution to cover costs of editing the <u>Journal of Contemporary Psychology</u> , Department of Psychology	12,000.00
4	M. D. Anderson Foundation A. G. McNeese, Jr., Trustee P. O. Box 2557 Houston, Texas 77001	Lyndon Baines Johnson School of Public Affairs Contribution to be added to the <u>Lloyd Bentsen, Jr., Professor- ship in Public Affairs</u>	25,000.00
5	*Anonymous	College of Natural Sciences Contribution to the Department of Geological Sciences for the Professorship in Geophysics	5,000.00
6	*Avon Foundation, Inc. A. A. Heckman, President West 975, First National Bank Building St. Paul, Minnesota 55101	Humanities Research Center Second payment on \$50,000 grant to assist in the purchase of the Nancy Wilson Ross and Stanley Preston Young collec- tions of literary and theatrical materials	25,000.00

11

DONOR	PURPOSE AND CONDITIONS	AMOUNT
7 Lloyd M. Bentsen, Jr. 240 Senate Office Building Washington, D. C. 20510	Lyndon Baines Johnson School of Public Affairs Contribution to establish the Lloyd Bentsen, Jr., Professor- ship in Public Affairs (approved by Board of Regents at meeting of June 1, 1973)	\$10,204.41
8 *Dwight D. Book Estate c/o San Antonio Loan and Trust Company P. O. Box 1228 San Antonio, Texas 78206	U. T. Austin Regular distribution of income from the Book Estate, to be used for student scholarships	6,823.94
9 Cameron Iron Works, Inc. George A. Helland, Jr., Vice President P. O. Box 1212 Houston, Texas 77001	College of Engineering Contribution to the Engineer- ing Foundation as Industrial Participant, 1972-73	5,000.00
10 *Clayton Foundation for Research 1621 Bank of the South- west Building Houston, Texas 77002	U. T. Austin Quarterly contribution toward cost of coordinating curriculum of students in the Department of Chemistry who perform services for the Clayton Foun- dation Biochemical Institute	8,750.00
11 Dow Chemical U.S.A. Alton E. Martin Organic Process Research Texas Division Freeport, Texas 77541	U. T. Austin Grants for the 1973-74 academic year in the Depart- ment of Chemistry, \$2,000; Department of Chemical Engi- neering, \$2,500; and Depart- ment of Mechanical Engineer- ing, \$500	5,000.00
12 *Fondation Nationale pour l'Enseignement de la Gestion des Entreprises 155 Boulevard Haussmann Paris, France	College of Business Administration Total of several payments in support of the program in business education for a group of French educators	53,561.00
13 General American Trans- portation Corporation 120 South Riverside Plaza Chicago, Illinois 60680	College of Engineering Grant-in-Aid to the Bureau of Engineering Research for a study on treatability of wastewater	9,800.00
14 Estate of Earl H. Goodwin Mrs. Earl H. Goodwin, Coexecutrix 2202 Indian Trail Austin, Texas 78703	U. T. Austin Bequest from the estate of Earl H. Goodwin, to be added to the Alice B. Goodwin Scholarship Fund	15,531.24

A

See me

DONOR	PURPOSE AND CONDITIONS	AMOUNT
15 Hoechst Pharmaceuticals, Inc. William J. Novick, Jr. Director of Pharmacology Route 202-206 North Somerville, New Jersey 08876	College of Pharmacy Contribution to the Pharmaceutical Foundation to be used in support of research programs and graduate education	\$18,000.00
16 Alice G. K. Kleberg Fund B. K. Johnson, Chairman, Gift Committee P. O. Box 1418 Kingsville, Texas 78363	College of Business Administration Contribution of \$25,000 to continue the annual Alice G. K. Kleberg Professorship for 1973-74, and \$2,500 for travel and expense funds for use of the Kleberg Professor	27,500.00
17 *Latin American Scholarship Program of American Universities, Inc. 25 Mt. Auburn Street, Room 302 Cambridge, Massachusetts 02138	U. T. Austin Contribution to the International Office to continue scholarship funds for several foreign students	7,727.35
18 *Shell Oil Company John W. Sheehan Vice President, Manufacturing P. O. Box 20329 Houston, Texas 77025	College of Engineering Contribution in support of the Industrial Associates Program of the Engineering Foundation	10,000.00
19 Stauffer Chemical Company Westport, Connecticut 06880	College of Engineering Grant-in-Aid to the Bureau of Engineering Research for a study to develop a current/voltage sensing and alarm device	26,460.00
20 *Texas Atomic Energy Research Foundation Howard Drew 1506 Commerce Street Dallas, Texas 75201	College of Engineering Contribution to assist with expenses of the 13th Texas Nuclear Science Symposium for High School Students for 1973	8,970.00
21 *Union Carbide Corporation R. L. Yelton Plant Manager P. O. Box 471 Texas City, Texas 77591	College of Engineering Contribution in support of the Industrial Associates Program of the Engineering Foundation	10,000.00

The following nonmonetary gifts have also been received:

DONOR	PURPOSE AND CONDITIONS	AMOUNT
22 Republic of Argentina c/o Carlos Manuel Muniz Ambassador of Argentina Embassy of the Republic of Argentina 1600 New Hampshire Avenue, N. W. Washington, D. C. 20009	U. T. Austin Gift of a bronze bust of the former President of Argentina, Domingo Faustino Sarmiento, 1868 to 1874, mounted on a marble base and placed near the Institute of Latin American Studies, <u>Sid Richardson Hall</u>	\$970.00** (estimate) <u>200</u>
23 Mr. and Mrs. Charles D. Clark P. O. Box 938 McAllen, Texas 78501	College of Fine Arts Gift of a collection of con- temporary graphics to be added to their previous gifts of art for the Art Museum	1,214.59** 4

TRAVEL FOR FACULTY AND STAFF: The following trips are reported in accordance with Section 12 of the Budget Rules and Procedures for 1973-74 when expenses are paid from funds not specifically designated for travel; and in accordance with Section 13.38 of Chapter III of Part Two of the Rules and Regulations of the Board of Regents for the Government of The University of Texas when the absence is for a longer period than twenty-nine days.

1. Edward Carpenter, Director, Office of Student Financial Aids, from June 26, 1973 through June 27, 1973, to Dallas, Texas, to attend Basic Opportunity Grant Workshop. Expenses in the approximate amount of \$62.80 are to be paid from Development of Student Services Fund.
2. Mariko Gomez, Senior Secretary in Office of Student Financial Aids, from July 9, 1973 through July 10, 1973, to San Antonio, Texas, to attend Basic Opportunity Grant Workshop. Expenses in the approximate amount of \$24.00 are to be paid from Development of Student Services Fund.
3. Michael Jackson, Assistant Director, Office of Student Financial Aids, from June 25, 1973 through June 27, 1973, to Dallas, Texas, to attend an Office of Education meeting on Basic Educational Opportunity Grants implementation. Expenses in the approximate amount of \$67.38 are to be paid from Development of Student Services Fund.
4. Michael Jackson, Assistant Director, Office of Student Financial Aids, from July 9, 1973 through July 10, 1973, to San Antonio, Texas, to attend Basic Opportunity Grant Workshop. Expenses in the approximate amount of \$39.60 are to be paid from Development of Student Services Fund.
5. Roy Coleman Mazingo, Student Development Specialist I, Office of Student Financial Aids, from June 28, 1973 through June 29, 1973, to Houston, Texas, to make personal contact with prospective employer participants in The University of Texas Summer Intern Program. Expenses in the approximate amount of \$72.00 are to be paid from Development of Student Services Fund.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

TRAVEL FOR FACULTY AND STAFF (Cont'd.):

6. Roy Coleman Mazingo, Student Development Specialist I, Office of Student Financial Aids, from July 19, 1973 through July 20, 1973, to Dallas, Texas, to contact prospective employer participants for The University of Texas Summer Intern Program. Expenses in the approximate amount of \$70.80 are to be paid from Development of Student Services Fund.
7. Corinne Slemenda, Student Development Specialist II, Office of Student Financial Aids, from June 26, 1973 through June 27, 1973, to Dallas, Texas, to attend Basic Opportunity Grant Workshop. Expenses in the approximate amount of \$32.00 are to be paid from Development of Student Services Fund.
8. Robert Copeland, Assistant Professor of Architecture, from July 8, 1973 through July 12, 1973, to Mackinac Island, Michigan, to attend the annual meeting of the American Society of Landscape Architects/National Council for Instructors of Landscape Architecture, and to study the procedures needed for the accreditation of the School of Architecture/U. T. Austin to offer a degree in Landscape Architecture. Expenses in the approximate amount of \$453.82 are to be paid from the School of Architecture Development Fund.
9. Alton J. DeLong, Assistant Professor of Architecture, from July 1, 1973 through July 5, 1973, to Mexico City, Mexico, to present papers of original research at the meeting of the American Association for the Advancement of Science, Human Settlement Symposium. Expenses in the approximate amount of \$109.00 are to be paid from the School of Architecture Development Fund.
10. Francis Bulhof, Associate Professor of Germanic Languages, from June 1, 1973 through August 16, 1973, to Brussels, Belgium and The Hague, Netherlands, to do research in the Royal Library in Brussels, the Royal Library and the Netherlands Literary Museum in The Hague, for a monograph on the Dutch critic Menno ter Braak and German exile writers, for a book on the works of the Dutch novelist Edgar dur Perron to be used in UT Austin courses. Expenses in the approximate amount of \$450.00 are to be paid from SRF Grant - Bulhof.
11. Mary Catherine Flannery, Assistant Professor of English, from May 31, 1973 through June 24, 1973, to Dublin, Ireland, to participate as a member of a panel at the Fourth International James Joyce Symposium. Expenses in the approximate amount of \$458.00 are to be paid, \$222.00 from URI Grant and \$236.00 from English Department Program Development Fund.
12. M. Ali Jazayery, Professor of Oriental and African Languages and Literatures, from August 2, 1973 through August 5, 1973, to Ann Arbor, Michigan, to attend as a representative of the Foreign Language Education Center a meeting of the Linguistic Society of America. Expenses in the approximate amount of \$320.00 are to be paid from Foreign Language Education Center funds.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

TRAVEL FOR FACULTY AND STAFF (Cont'd.):

13. Elliot Aronson, Professor of Psychology, from June 20, 1973 through August 8, 1973, to Bethel, Maine and Denver, Colorado, to study group processes. Expenses in the approximate amount of \$379.00 are to be paid from Psychology Department Travel funds (partial payment will be made by National Training Laboratories funds).
14. Aaron Bar-Adon, Professor of Oriental and African Languages and Literatures and Linguistics, from July 15, 1973 through August 29, 1973, to Tel-Aviv, Jerusalem, to present a paper at the Sixth World Congress of Jewish Studies; to attend Conference of Professors of Hebrew Language and Linguistics; to research and record in Israel on Revival of Hebrew. Expenses in the approximate amount of \$875.00 are to be paid from the Brown Lupton funds held by the Provost's Office.
15. Harley L. Browning, Director, Population Research Center, College of Social and Behavioral Sciences, from July 21, 1973 through September 4, 1973, to Geneva, Switzerland and Liege, Belgium, to be a consultant to the World Health Organization and to attend a conference of the International Union for the Scientific Study of Population in Liege, Belgium. No expense to the University.
16. Michael E. Conroy, Assistant Professor of Economics, from July 26, 1973 through August 25, 1973, to Washington, D. C. and Chapel Hill, North Carolina, to visit the National Science Foundation in Washington, D. C., and to participate in the N. I. H. population research seminar. Expenses in the approximate amount of \$270.00 are to be paid from Center for Economic Development, Eco. Hansen; travel from Austin to Washington, D. C. and return from NSF Grant; marginal travel to Chapel Hill from NIH funds.
17. Roger Angel, Visiting Associate Professor of Astronomy, from June 22, 1973 through September 10, 1973, to Los Angeles, California and Cambridge, England, to attend summer school and research at Institute of Astronomy. Expenses in the approximate amount of \$650.00 are to be paid from NSF Grant.
18. James Ernest Boggs, Professor of Chemistry, from July 15, 1973 through August 15, 1973, to Budapest, Hungary, to conduct research in cooperation with the Central Research Institute for Chemistry of the Hungarian Academy of Sciences, as specified in the sponsoring contract with the U. S. National Science Foundation. Expenses in the approximate amount of \$804.78 are to be paid from NSF Grant for Foreign Travel.
19. Joe W. Fisher, Assistant Professor of Mathematics, from July 7, 1973 through August 19, 1973, to Chicago, Illinois, to participate in the Ring Theory Symposium and consultation with Professor Herstein on research project. Expenses in the approximate amount of \$250.00 are to be paid from Fisher-Domestic Travel.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

TRAVEL FOR FACULTY AND STAFF (Cont'd.):

20. Nicolaos Flytzanis, Postdoctoral Research Associate in Physics, from June 22, 1973 through July 22, 1973, to Varenna, Italy, to attend the Enrico Fermi International Summer School. No expense to the University.
21. Robert Todd Gregory, Associate Director, Center for Numerical Analysis, from June 29, 1973 through August 31, 1973, to Dundee, Scotland; Bonn, Germany; Kjeller, Norway; and Prague, Czechoslovakia, to participate in the Conference on Numerical Solution of Differential Equations in Dundee, Scotland; to confer with Professor Jorg Blatter and Dr. Helmut Werner at the University of Bonn; to participate in the conference at Kjeller, Norway, on "Advanced Study Institute on Numerical Solution of Partial Differential Equations;" to participate in the conference on "Basic Problems in Numerical Analysis" in Prague. Expenses in the approximate amount of \$1,250.00 are to be paid from DA-ARO(D) - Travel and Center for Numerical Analysis - Travel.
22. Clark Hubbs, Professor of Zoology, from July 30, 1973 through September 5, 1973, to Europe and Africa, to select study site for contracted research. Expenses in the approximate amount of \$3,400.00 are to be paid from Texas Electric Service Company Grant.
23. Bernard B. Kinsey, Professor of Physics, from May 28, 1973 through August 18, 1973, to Harwell and Berkshire, England, to do experimental work at the Atomic Energy Research Establishment. Expenses in the approximate amount of \$250.00 are to be paid from SRF Project (B. B. Kinsey).
24. Frederick Albert Matsen, Professor of Chemistry and Physics, from August 1, 1973 through September 1, 1973, to Madison, Wisconsin and Seattle, Washington, to serve as a visiting professor without pay at the University of Wisconsin, and to consult on Mossbauer spectra of Ferromagnets with Professor Dash in Seattle. Expenses in the approximate amount of \$350.00 are to be paid from NSF Grant - Travel.
25. John C. Maxwell, Professor of Geological Sciences, from May 30, 1973 through August 15, 1973, to Corning, California, to conduct geologic reconnaissance and collecting in connection with NSF Grant. Expenses in the approximate amount of \$1,100.00 are to be paid from NSF Grant.
26. Cornelius Fred Moore, Professor of Physics, Center for Nuclear Studies, from July 4, 1973 through September 4, 1973, to Paris, France; Belgrad, Yugoslavia; Munich, Germany; and Manchester, England, to attend scientific meetings and present original papers at conferences in the above cities. Expenses in the approximate amount of \$1,800.00 are to be paid from Naval Contract - Travel.
27. Alfred Richardson, Research Scientist Assistant I, Department of Botany, from December 16, 1972 through June 13, 1973, to Peru, Argentina, and Ecuador, to collect plants in accordance with doctoral research. Expenses in the approximate amount of \$2,478.45 are to be paid from GB Grant - Dr. Turner.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

TRAVEL FOR FACULTY AND STAFF (Cont'd.):

28. G. de Vaucouleurs, Professor of Astronomy, from May 21, 1973 through June 20, 1973, to Paris, France and Padua, Italy, to consult with radio-astronomy staff at University of Paris; visit IAU Planetary Center at Meudon Observatory in connection with Mariner 9 Mars Mapping project and IAU Working Group on Martian Nomenclature; participate in "Copernican Days" conference at Padua University; attend inauguration of Mount Ekar Observatory; and present a paper at Asiago Observatory conference. Expenses in the approximate amount of \$190.00 are to be paid from JPL Cal Tech Contract - Travel.
29. James A. Bill, Associate Professor of Middle Eastern Studies and Government, from July 18, 1973 through July 21, 1973, to Houston, Texas, to discuss Center Development and fund-raising plans with executives of Houston-based companies. Expenses in the approximate amount of \$104.00 are to be paid from Program Development funds.
30. Timothy H. H. Thoresen, Assistant Professor of American Studies and Anthropology, from June 22, 1973 through June 25, 1973, to Chicago, Illinois, to attend planning session meeting for Ninth Annual Anthropology Congress. Expenses in the approximate amount of \$198.00 are to be paid from American Studies Program funds.
31. Doris B. Looney, Assistant Professor of General Business, from July 12, 1973 through July 14, 1973, to Houston, Texas, to visit records management installation and attend meeting of Records Management Supervisors. Expenses in the approximate amount of \$48.00 are to be paid from Academic Development Grant.
32. George Blanco, Director, Office of Bilingual Education, from July 11, 1973 through July 14, 1973, to Los Angeles, California, to attend workshop sponsored by University of California Graduate School and the National Education Task Force de la Raza. Expenses in the approximate amount of \$338.00 are to be paid from Foreign Language Education Center funds.
33. Yunglae Cho, Research Engineer Assistant III, from June 1, 1973 through August 31, 1973, to Cambridge, Massachusetts, to work on research program for UT's Electronic Research Center utilizing Massachusetts Institute of Technology's National Magnetics Laboratory. No expense to the University.
34. Roy R. Craig, Associate Professor of Aerospace Engineering and Engineering Mechanics, from March 17, 1973 through March 24, 1973, to Williamsburg, Virginia; Washington, D. C.; and Langley Air Force Base, Virginia, to present a paper at the 14th Structures, Structural Dynamics and Materials Conference, and to confer with personnel at the FAA and Langley Air Base regarding funding of research. Expenses in the approximate amount of \$407.00 are to be paid, \$250.00 from Engineering Foundation - Travel, \$125.00 from EM Division Faculty Travel, and \$32.00 from CATS Academic Development Fund.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

TRAVEL FOR FACULTY AND STAFF (Cont'd.):

35. Arwin A. Dougal, Director, Electronics Research Center, from June 24, 1973 through June 30, 1973, to Ames, Iowa and Fort Riley, Kansas, to participate in the American Society for Engineering Education Annual Conference at Ames and to participate as a representative for The University of Texas at Austin's ROTC Committee at the 1973 Summer Army ROTC encampment at Fort Riley. Expenses in the approximate amount of \$190.00 are to be paid from Electronics Research Center - Travel.
36. Wallace T. Fowler, Associate Professor of Aerospace Engineering and Engineering Mechanics, from June 23, 1973 through June 27, 1973, to Ames, Iowa, to present a paper at the American Society for Engineering Education Annual Conference as the Campus Activities Coordinator. Expenses in the approximate amount of \$300.00 are to be paid from Academic Development Fund.
37. Earnest F. Gloyna, Dean, College of Engineering, from June 20, 1973 through June 27, 1973, to Des Moines and Ames, Iowa, to attend the Engineering Council for Professional Accreditation meeting in Des Moines and Engineering Education Council, American Society for Engineering Education Annual Conference in Ames as UT Austin official representative. Expenses in the approximate amount of \$505.00 are to be paid from the Academic Development Fund.
38. Dan Kinard, Technical Staff Assistant III, Center for Highway Research, from June 12, 1973 through July 31, 1973, to South Dakota, North Dakota, Iowa, Minnesota, Wisconsin, Illinois, Indiana, Ohio, and Michigan, to perform a condition survey of continuously reinforced concrete pavements in the above states. Expenses in the approximate amount of \$1,750.00 are to be paid from NCHRP Contract.
39. Billy Vaughn Koen, Associate Professor of Mechanical Engineering, from June 22, 1973 through June 30, 1973, to Ames, Iowa, to attend the American Society for Engineering Education Annual Conference. Expenses in the approximate amount of \$315.00 are to be paid from Academic Development Fund.
40. James F. Long, Technical Staff Assistant IV, Center for Highway Research, from June 26, 1973 through July 31, 1973, to Minnesota, Wisconsin, Illinois, Indiana, Ohio, Michigan, to perform a condition survey of continuously reinforced concrete pavements in the above states. Expenses in the approximate amount of \$1,460.00 are to be paid from NCHRP Contract.
41. James Edward Stice, Director, Bureau of Engineering Teaching, from June 24, 1973 through July 1, 1973, to Ames, Iowa, to present a paper and three addresses at the American Society for Engineering Education Annual Conference. Expenses in the approximate amount of \$270.00 are to be paid from Academic Development Fund.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

TRAVEL FOR FACULTY AND STAFF (Cont'd.):

42. Eugene H. Wissler, Associate Dean, College of Engineering, from June 23, 1973 through July 6, 1973, to Ames, Iowa, to attend the American Society for Engineering Education Annual Conference. Expenses in the approximate amount of \$325.00 are to be paid from Academic Development Fund.

43. Donald B. Goodall, Director, University Art Museum, from May 29, 1973 through July 17, 1973, to Sao Paulo, Brazil, to make preparatory review for a 1975 project based on Latin American achievements in the visual arts since 1945. Expenses in the approximate amount of \$1,000.00 are to be paid from OEC Contract - Foreign Travel.

44. Paul Sherrell, NDEA Fellow, Graduate School in Physics, from September 1, 1973 through October 15, 1973, to Garmisch and Marburg, Germany, to present a paper at the fifth International Conference on Amorphous and Liquid Semiconductors and confer with Professor Stuke's research group at Marburg. Expenses in the approximate amount of \$200.00 are to be paid DA-ARO Contract - Travel.

45. Donald M. Stokely, Training Specialist I, Division of Extension, from June 22, 1973 through August 1, 1973, to Dubai, Persian Gulf and London, England, to conduct courses in well pressure control for the Continental Oil Company. No expense to the University.

USE OF TEXTBOOKS WRITTEN BY FACULTY: In accordance with Chapter III, Section 24 of Part One of the Regents' Rules and Regulations for the Government of The University of Texas, I recommend approval of the use of the following faculty authored books as textbooks for the 1973-74 fiscal year:

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
Creating a New World Politics	David V. Edwards	\$ 2.95	\$.20
Political Leadership and Collective Goods	Norman Frohlich, Joe Oppenheimer, & Oran Young	6.00	none
*Comparative Legislative Systems	Herbert Hirsch & M. Donald Hancock	8.00	.80
*Minutes in Court Weeks in Jail	Sheldon Olson	.75	1.00
A Methodology for Social Research	<u>Gideon Sjoberg</u> & Roger Nett	11.00	.15

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

USE OF TEXTBOOKS WRITTEN BY FACULTY (Cont'd.):

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty per volume per author</u>
Exploration and Empire	William H. Goetzmann	\$ 3.95	\$.30
*Introduction to Accounting	Robert May, Gerhard Mueller, & <u>Thomas H. Williams</u>	10.00	none
Self-Paced Computer Programming & Numerical Analysis	Paul E. Nacozy	6.00	1.00
Everything You Always Needed to Know About Our Computer-But Could Never Find Out	P. C. Richardson & A. J. Welch	4.95	.85
A Programmed Text: Use of the Oscilloscope	Charles H. Roth, Jr.	5.95	.70
Logic Design of Digital Systems	Charles H. Roth, Jr.	6.00	.50
*Sight-Singing and Related Skills	Anne Marie de Zeeuw & Roger E. Foltz	5.95	.30

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

41

AMENDMENTS TO THE PERSONNEL PAY PLAN FOR THE FISCAL YEAR 1973-1974 AT THE UNIVERSITY OF TEXAS AT AUSTIN: I recommend the following changes in the Personnel Pay Plan for the fiscal year 1973-1974 at The University of Texas at Austin. These amendments have received the approval of Mr. J. C. Kennedy, System Personnel Director, and Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System.

Recommended Changes to Approved
1973-74 Personnel Pay Plan
University of Texas at Austin

<u>FROM</u> <u>Code</u>	<u>Title</u>	<u>Range</u>	<u>TO</u> <u>Code</u>	<u>Title</u>	<u>Range</u>
1059	Staff Nurse	\$ 680- 804	1059	Staff Nurse	\$ 680- 831
3066	Program Specialist I, International Office	470- 636	3066	Program Specialist I, International Office	470- 658
3560	Intramurals Trainer	360- 520	3560	Intramurals Trainer	360- 556
4009	Social Science/Humanities Research Associate I	556- 703	4009	Social Science/Humanities Research Associate I	556- 727
4212	Postdoctoral Research Associate	615- 831	4212	Postdoctoral Research Associate	615- 859
4280	Research Engineer/Scientist Assistant III	727- 831	4280	Research Engineer/Scientist Assistant III	727- 859
4282	Research Engineer/Scientist Assistant I	556- 703	4282	Research Engineer/Scientist Assistant I	556- 727
4313	Technical Staff Assistant IV	636- 831	4313	Technical Staff Assistant IV	636- 859
4351	Glassblower II	636- 831	4351	Glassblower II	636- 859
5016	Assistant Superintendent of Utilities	1370-1852	5016	Assistant Superintendent of Utilities	1370-1915
5235	Carpenter	703- 831	5235	Carpenter	703- 859
5415	Assistant Grounds Mainten- ance Supervisor	680- 831	5415	Assistant Grounds Main- tenance Supervisor	680- 859
5426	Groundskeeper	398- 470	5426	Groundskeeper	398- 503
5440	Laborer	398- 470	5440	Laborer	398- 503
5466	Utility Worker	412- 520	5466	Utility Worker	412- 556
6161	Food Service Supervisor II	470- 615	6161	Food Service Supervisor II	470- 658
6280	Building Attendant	398- 503	6280	Building Attendant	398- 520
6343	Guard, University Police	503- 636	6343	Guard, University Police	503- 680
6450	Stores Clerk II	455- 615	6450	Stores Clerk II	455- 636
6461	Military Property Custodian	615- 804	6461	Military Property Custodian	615- 831
8070	Senior Library Assistant	595- 727	8070	Senior Library Assistant	595- 752
8577	Motion Picture Cameraman II	615- 804	8577	Motion Picture Cameraman II	615- 831
8732	Offset Press Operator II	615- 727	8732	Offset Press Operator II	615- 752
8851	Photographic Technician II	520- 727	8851	Photographic Technician II	520- 752
9028	Office Supervisor	595- 727	9028	Office Supervisor	595- 752
9041	Senior Secretary	503- 636	9041	Senior Secretary	503- 658
9042	Secretary	440- 556	9042	Secretary	440- 575
9053	Senior Clerk-Typist	412- 520	9053	Senior Clerk-Typist	412- 556
9054	Clerk-Typist	385- 455	9054	Clerk-Typist	385- 486
9068	Senior Administrative Clerk	556- 703	9068	Senior Administrative Clerk	556- 727
9069	Administrative Clerk	470- 615	9069	Administrative Clerk	470- 636
9070	Senior Clerk	398- 503	9070	Senior Clerk	398- 520
9083	Mail Service Supervisor	556- 703	9083	Mail Service Supervisor	556- 727
9087	Chief Switchboard Operator	412- 556	9087	Chief Switchboard Operator	412- 575
9089	Switchboard Operator	385- 455	9089	Switchboard Operator	385- 486
9170	Accounting Clerk III	595- 727	9170	Accounting Clerk III	595- 752
9171	Accounting Clerk II	503- 636	9171	Accounting Clerk II	503- 658
9220	Statistical Clerk II	556- 703	9220	Statistical Clerk II	556- 727
9342	Supervisor, Computer Opera- tions	918-1121	9342	Supervisor, Computer Operations	918-1159
9345	Computer Operator III	778- 949	9345	Computer Operator III	778- 981

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

11

HEW HEALTH PROFESSIONS STUDENT ASSISTANCE PROGRAM: The Department of Health, Education, and Welfare, Public Health Service, has allocated \$42,457.00 to the College of Pharmacy of The University of Texas at Austin for health professions scholarships for the fiscal year 1974.

INSTITUTE OF INTERDISCIPLINARY RESEARCH GIFT: Dr. Robert P. Wagner, Professor of Zoology, has transmitted to the Genetics Foundation of The University of Texas at Austin a check for \$11,801.29 representing the accumulation of memorial gifts made over the last several years in memory of the late Doctors Wilson Stone and K. Kojima. An endowed account has been established which will provide the income to be used as unrestricted funds for the benefit of the Department of Zoology.

11

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (NON-GOVERNMENTAL):

1. Award Telegram dated June 11, 1973, by which Kabi/Aktiebolaget, Stockholm, Sweden, provides \$25,000 for continuation of research entitled, "Hypophysiotropic Hormones." The award is effective for the period January 1, 1973 through December 31, 1973, and the research continues under the direction of Dr. Karl Folkers, Director, Institute for Biomedical Research.
2. Grant-in-Aid PRF #7370-AC5, by which American Chemical Society, The Petroleum Research Fund, Washington, D. C., provides \$13,000 for support of research entitled, "Chemical Reactor Shock Tube Study of Methane Oxidation." The grant is effective for the period September 1, 1973 through August 31, 1975, and the research will be under the direction of Dr. W. C. Gardiner, Jr., Professor of Chemistry.
3. Grant-in-Aid PRF #7440-AC4, 6 by which the American Chemical Society, The Petroleum Research Fund, Washington, D. C., provides \$20,400 for support of research entitled, "A Structural Investigation by Electron Diffraction of Free Radicals and Other Reaction Intermediates." The grant is effective for the period July 1, 1973, through August 31, 1976, and the research will be under the direction of Dr. Denis A. Kohl, Assistant Professor of Chemistry.
4. Award Letter dated July 1, 1973, by which the American Petroleum Institute, Washington, D. C., provides \$12,000 for continued support of API Research Project 67E for the period July 1, 1973 through June 30, 1974. The research entitled, "Drilling and Basic Rock Physics," continues under the direction of Dr. Kenneth E. Gray, Halliburton Annual Professor of Petroleum Engineering.
5. Award Letter dated July 1, 1973, by which the American Petroleum Institute, Washington, D. C., provides \$8,000 additional funds for support of API Research Project 139 entitled, "Organic Geochemistry of Shoreline Environments," and extends the project for the period July 1, 1973 through June 30, 1974. The research continues under the direction of Dr. Patrick L. Parker, Associate Professor of Chemistry.
6. Modification No. 24, Supplemental Agreement to Contract No. 952490, by which Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, provides \$4,500 additional funds and extends the contract for the period July 1, 1973 through September 30, 1973. The Mariner Mars '71 Mission TV Experiment continues under the direction of Dr. G. H. DeVaucouleurs, Professor of Astronomy.
7. The Catholic University of America Letter dated 5 April 1973 and Memorandum of Understanding, by which The Catholic University of America, National Catholic School of Social Service, Washington, D. C., allots \$60,567 for support of Region VI National Training Program: Goal Oriented Social Service. Of this amount, \$16,657 is for the planning and assessing process and administrative costs; the remaining \$43,911 covers training costs for which reimbursement will be through The Catholic University of America. The purpose of this program is to directly train personnel at the national, regional, and state levels who will be responsible for development and direction of the new social services system. The period of the program is September 5, 1972 through July 15, 1973, and its performance will be under the direction of Dr. Charles Laughton, Acting Dean, Graduate School of Social Work.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

(Cont'd)

GRANTS, CONTRACTS, AND AGREEMENTS (NON-GOVERNMENTAL):

8. Letter of Agreement dated June 20, 1973, by which the Child Development Associate Consortium, Inc., Washington, D. C., provides \$6,417.52 for support of a program to train assessors of child development associate competencies. The agreement is effective for the period July 1, 1973 through August 31, 1973, and the program continues under the direction of Dr. Jasper Harvey, Professor of Special Education.
9. Award Letter dated June 21, 1973, extension to Purchase Order HS 501, by which Dames and Moore, Consulting Engineers in the Applied Earth Sciences, Houston, Texas, provides \$789.39 additional funds for support of an archeological reconnaissance of areas to be affected by a proposed relocation of Houston Lighting and Power Company's 345 KV transmission line in the Barker Reservoir Area, Fort Bend and Harris Counties, Texas. The survey continues under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
10. Purchase Order HU 490, by which Dames and Moore, Consulting Engineers in the Applied Earth Sciences, Houston, Texas, provides \$5,008.38 for support of archeological reconnaissance of areas to be affected by the proposed Seadock Project, Brazoria County, Texas. The purchase order is effective for the period June 1, 1973 through August 15, 1973, and the investigations will be under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
11. Contract GU853-9, by which Gulf Universities Research Consortium (GURC), Galveston, Texas, provides \$84,881 for support of offshore ecological investigations. The contract is effective for the period June 1, 1973 through May 31, 1974, and the project will be under the direction of Dr. Carl H. Oppenheimer, Professor of Microbiology, Marine Science Institute at Port Aransas.
12. Agreement between Indiana University and The University of Texas at Austin, by which Indiana University provides \$66,518 for the period June 1, 1973 through May 31, 1974. This subcontract is for the purpose of coordinating Project PRIME data analysis as part of Office of Education Grant OEG-0-9-242178-4149 (607) awarded to Indiana University. The project will be under the direction of Dr. Donald J. Veldman, Professor of Educational Psychology.
13. Agreement between The Institute of International Education, New York, New York, and The University of Texas at Austin, dated May 15, 1973, by which the Institute provides a sum not to exceed \$49,555 for an orientation program for 55 incoming foreign students. The program shall begin on May 15, 1973 and terminate on November 15, 1973, and will be under the direction of Dr. Joe W. Neal, Director, International Office.
14. Letter Agreement dated June 28, 1973, by which Mobil Research and Development Corporation, Dallas, Texas, provides \$15,000 for support of research entitled, "An Investigation of the Application of Magnetotellurics to Offshore Areas." The agreement is effective for the period August 1, 1973 through October 31, 1973, and the research will be under the direction of Dr. H. W. Smith, Professor of Electrical Engineering, and Dr. F. X. Bostick, Professor of Electrical Engineering.
15. Grant D73.041C, by which The Population Council, New York, New York, provides \$2,960 for support of Doctoral Dissertation Research entitled, "Female Patterns of Employment in Europe: A Comparative-Structural Analysis," for the period effective September 1, 1973 through September 1, 1974. The research will be performed by Rosemary Cooney (Doctoral Candidate) under the direction of Dr. Harley L. Browning (Faculty Advisor), Professor of Sociology.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

(Cont'd)

GRANTS, CONTRACTS, AND AGREEMENTS (NON-GOVERNMENTAL):

16. Award Letter dated June 15, 1973, by which Texas Electric Service Company, Fort Worth, Texas, provides \$40,363 for support of research entitled, "Study of Potential Warm Water Fish Introduction into Texas Thermal Reservoirs." The award is effective for the period August 1, 1973 through July 31, 1975, and the research will be under the direction of Dr. Clark Hubbs, Professor of Zoology.

17. Subcontract HC80A2010A between Lockheed Missiles and Space Company, Inc. (A Subsidiary of Lockheed Aircraft Corporation, Sunnyvale, California) and The University of Texas at Austin, by which Lockheed provides \$8,912.29 for support of research entitled, "Conduct Studies to Test Design Concepts of Soret Separations in Zero-G." The subcontract is effective for the period June 7, 1973, through May 30, 1974, and the research will be under the direction of Dr. E. Lothar Koschmieder, Associate Professor of Meteorology.

18. Grant Letter dated May 18, 1973, by which The Weight Watchers Foundation, Inc., Great Neck, New York, provides \$10,000 for support of research entitled, "Behavioral Characteristics of Obese Humans." The grant is effective for the period May 1, 1973, through April 30, 1974, and the research will be under the direction of Dr. Devendra Singh, Associate Professor of Psychology.

19. Purchase Order LOCC1463, by which E. I. DuPont de Nemours & Co., Inc., Corpus Christi, Texas, provides \$4,900 for support of research entitled, "Formation of an Environmental Data Bank from Environmental Survey." The purchase order is effective for the period July 1, 1973 through June 30, 1974, and the research will be under the direction of Dr. Carl Oppenheimer, Professor of Microbiology.

20. Grant F-563, by which The Robert A. Welch Foundation, Houston, Texas, provides \$20,000 for support of research entitled, "Preferential Adsorption in Solutions of Macromolecules in Mixed Solvents." The grant is effective for the period May 1, 1974, through April 30, 1976, and the research will be under the direction of Dr. Petr Munk, Associate Professor of Chemistry.

21. Letter of Agreement dated May 14, 1973, between Recruitment and Training Program, New York, New York, and The University of Texas at Austin, by which the Recruitment and Training Program provides \$40,550 for the assessment of a program entitled, "A Pilot Project to Demonstrate Techniques for Overcoming Barriers to Employment of Minority Women in White Collar Jobs: Houston." The main objective of the assessment will be to describe the approach developed and to identify the causes of success or failure of this particular approach to employing minority females. The agreement is effective for the period March 15, 1973 through March 14, 1974, and the project will be under the direction of Dr. F. Ray Marshall, Professor of Economics.

22. Contract between The University of Texas at Austin and the Austin Linen Service for furnishing uniform and linen rental service. The contract period is from September 1, 1973 through August 31, 1974. Statements are to be rendered each month based on a charged per individual items as listed in the contract.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (NON-GOVERNMENTAL) (Cont'd.):

23. Business Service Agreement between The University of Texas at Austin (College of Business Administration) and Microfilming Corporation of America ("MCA"), signed by Vice President James H. Colvin, whereby the University agrees to prepare and maintain transcripts of certain recorded interviews which, together with certain papers of the persons interviewed and the original records of or related to the interviews are contained in an oral history collection. The University further grants to MCA for the term of this agreement throughout the world: The exclusive right to copy, manufacture, publish, sell and distribute the collection, on microfilm, microfiche or ultrafiche (the "Microform Edition") throughout the world. The contract period is to continue for the life of the last copyright of the materials published in the Microform Edition or of the underlying materials themselves. MCA shall pay the University a royalty equal to 20% of its net receipts from all sales made pursuant to this agreement.

24. Lease Agreement (No. U-4849-L) between The University of Texas at Austin (Industrial and Business Training Bureau-Division of Extension) and San Jacinto Properties, signed by Deputy Chancellor for Administration E. D. Walker, whereby San Jacinto Properties agrees to lease 2,288 square feet of office space, located at 503 San Jacinto Blvd., Austin, Texas, to be used by the University. The lease period is from September 1, 1973 through August 31, 1974. Total amount of the lease payment is not to exceed \$575.68 (25.16¢ per square foot) per month.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (STATE):

1. Sub-Grant No. 73-930-004, by which the Coordinating Board, Texas College and University System, Austin, Texas, provides \$11,000 for support of a project entitled, "Regional Implementation of the Texas Housing Survey." The grant is effective for the period June 1, 1973, through June 30, 1974, and the project will be under the direction of Dr. Terry D. Kahn, Assistant Professor of Architecture.
2. Award Letter dated June 1, 1973, by which the Coordinating Board, Texas College and University System, Austin, Texas, provides \$20,000 for support of research entitled, "State Planning for Facilities Needs in Post Secondary Education." The award is effective for the period beginning June 1, 1973, and the research will be under the direction of Dr. Kenneth Tolo, Assistant Professor of Public Affairs, and Dr. Kingsley Haynes, Assistant Professor of Geography.
3. Award Letter dated June 28, 1973, by which the Texas Education Agency, Austin, Texas, provides \$12,000 for support of an Institute on Independent Study in Deaf Education to be conducted during the period July 22, 1973 through August 11, 1973. The institute will be under the direction of Dr. Lawrence W. Marrs, Assistant Professor of Educational Administration and of Special Education.
4. Award Letter dated June 15, 1973, by which the Texas Education Agency, Austin, Texas, provides \$15,000 for support of the Special Study Institute for Directors of Special Education and Principals to be conducted in Austin, Texas, July 9-27, 1973. The institute will be under the direction of Dr. Lawrence W. Marrs, Assistant Professor of Educational Administration and of Special Education.
5. Cooperative Agreement dated 20 June 1973 between the State of Texas, Texas Parks and Wildlife Department, and The University of Texas at Austin, by which equal cooperation is specified for a two-year study for the purpose of obtaining information on the life history of the Nile Perch and determine suitability of the species for introduction into the warmed water reservoirs of Texas. The University's portion of funds for the study is provided by award (\$40,363 dated 15 June 1973) from Texas Electric Service Company, Fort Worth, Texas, and the study will be performed under the direction of Dr. Clark Hubbs, Professor of Zoology.
6. Interagency Cooperation Contract No. IAC (72-73)-684, Amendment No. 1, between The University of Texas at Austin (Center for Research in Water Resources) and the Texas Water Development Board, signed by Vice President James H. Colvin, for the purpose of changing the termination date from August 1 to August 31, 1973. All other terms and conditions not hereby amended are to remain in full force and effect. This Amendment shall become effective on the date of approval by the State Board of Control.
7. Interagency Cooperation Contract No. IAC (72-73)-730, Amendment No. 1, between The University of Texas at Austin (College of Education - Office of School Surveys) and the Texas Education Agency, signed by Bobby G. Cook, Business Manager, for Vice President James H. Colvin, for the purpose of changing the termination date from June 30, 1973 to August 31, 1973. All other terms and conditions not hereby amended are to remain in full force and effect. This Amendment shall become effective on the date of approval by the State Board of Control.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (STATE) (Cont'd.):

8. Interagency Cooperation Contract No. IAC (72-73)-827, Amendment No. 2, between The University of Texas at Austin (Winedale Inn Properties) and the Texas Department of Community Affairs, signed by Vice President James H. Colvin, whereby the contract will cover four conferences for which the University agrees to furnish facilities and accessories not to exceed the total amount of \$1,500.00. All other terms and conditions not hereby amended are to remain in full force and effect. This Amendment shall become effective on the date of approval by the State Board of Control.
9. Interagency Cooperation Contract No. IAC (72-73)-1241, between The University of Texas at Austin (Division of Extension) and the Texas Youth Council, signed by Bobby G. Cook, Business Manager, for Vice President James H. Colvin, whereby the University is offering a workshop for training purposes for the employees of the Texas Youth Council. The contract period is from June 25, 1973 through June 29, 1973. Total amount of the contract shall not exceed \$750.00.
10. Interagency Cooperation Contract No. IAC (72-73)-1242, between The University of Texas at Austin and the Texas Highway Department, signed by Vice President James H. Colvin, whereby the Texas Highway Department agrees to furnish all materials, labor, equipment, supervision, and any other essential items necessary to perform certain paving operations at Balcones Research Center for the University. The contract period is from June 21, 1973 through August 31, 1973. Total amount of the contract is not to exceed the estimated cost of \$4,960.00.
11. Interagency Cooperation Contract No. IAC (72-73)-1244, between The University of Texas at Austin (Computation Center) and the General Land Office, signed by Bobby G. Cook, Business Manager, for Vice President James H. Colvin, whereby the University agrees to furnish the General Land Office the services of its Computation Center on an available time basis. The contract period is from June 20, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$3,000.00.
12. Interagency Cooperation Contract No. IAC (72-73)-1250, between The University of Texas at Austin (Printing Division) and the Office of Information Services, Executive Department, signed by Vice President James H. Colvin, whereby the University agrees to reproduce, assemble, punch, and band five thousand (5,000) copies of the 2nd edition of the Catalog of Available Health, Social and Rehabilitative Services. The contract period is from June 26, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$18,400.00.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (STATE) (Cont'd.):

13. Interagency Cooperation Contract No. IAC (72-73)-1251, between The University of Texas at Austin (Graduate School of Social Work) and the Governor's Committee on Aging, signed by Vice President James H. Colvin, whereby the University agrees to provide University employees to work with the staff of the Governor's Committee and University faculty and staff to provide coordination, to provide University faculty and staff as consulting, technical assistance, and training resources, and to travel to and collect data as agreed upon between both parties. The contract period is from June 26, 1973 through August 31, 1974 (subject to limitation of funds). The total amount of the contract is not to exceed \$29,500.00.

14. Interagency Cooperation Contract No. IAC (72-73)-1254, between The University of Texas at Austin (Research and Development Center for Teacher Education) and the Texas Department of Community Affairs, signed by Vice President James H. Colvin, whereby the University agrees to conduct a training program which will include the development of a program evaluation method using the Decision Oriented Evaluation System, which was developed under a Research and Demonstration Grant for the Evaluation of Title VIII Training, for the employees of the Department of Community Affairs. The contract period is from July 1, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$7,560.00.

15. Interagency Cooperation Contract No. IAC (72-73)-1257, between The University of Texas at Austin (Office of School Surveys - Special Education Component) and the Texas Education Agency, signed by Vice President James H. Colvin, whereby the University will assist the Texas Education Agency to develop an innovative, competency-based Special Education Agency Supervisor Preparation Program. This project will require the University to provide personnel, materials, and other services to the Texas Education Agency. The contract period is from July 1, 1973 through June 30, 1974 (subject to availability of funds). Total amount of the contract is not to exceed \$126,075.00.

16. Interagency Cooperation Contract No. IAC (72-73)-1274, between The University of Texas at Austin (LBJ School of Public Affairs) and the Texas Highway Department, signed by Vice President James H. Colvin, whereby the Texas Highway Department agrees to provide aerial photographic services to the University of the West Texas counties of Hudspeth, Jeff Davis, and Presidio. The contract period is from June 7, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$1,500.00.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (STATE) (Cont'd.):

17. Interagency Cooperation Contract No. IAC (72-73)-1282, between The University of Texas at Austin (Population Research Center) and the Office of the Governor, Office of Information Services, signed by Vice President James H. Colvin, whereby the Office of the Governor desires to engage the University to render certain technical or professional services in connection with an undertaking which is expected to be partially financed under Section 701 of the Housing Act of 1954. The contract period is from June 29, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$9,000.00.

18. Interagency Cooperation Contract No. IAC (72-73)-1285, between The University of Texas at Austin (Engineering Institutes) and the Texas Parks and Wildlife Department, signed by Vice President James H. Colvin, whereby the University agrees to provide training for a department employee in the Engineering Program entitled "Advanced Water Pollution Control: Physical and Chemical Waste Treatment." The contract period is from July 20, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$250.00.

19. Interagency Cooperation Contract No. IAC (72-73)-1286, between The University of Texas at Austin (Division of Extension) and the Texas Department of Mental Health and Mental Retardation, signed by Bobby G. Cook, Business Manager, for Vice President James H. Colvin, whereby the University agrees to conduct an intensive training program, including instruction and materials, for employees of MHMR on the campus of The University of Texas at Austin as a specialized section of the 16th Annual Institute of Alcohol Studies, conducted by the Division of Extension and the Texas Commission on Alcoholism. The contract period is from July 20, 1973 through August 31, 1973. Total amount of the contract is not to exceed \$720.00.

20. Interagency Cooperation Contract No. IAC (74-75)-005, between The University of Texas at Austin (University Mail and Supply Service, Printing Division) and The University of Texas at San Antonio, signed by Vice President James H. Colvin, whereby the University agrees to furnish stenographic stores supplies, reproducing services, and all other needed supplies and services as The University of Texas at San Antonio may consider necessary to its operation. The contract period is from September 1, 1973 through August 31, 1975. Total amount of the contract is not to exceed \$20,000.00 for each year.

21. Interagency Cooperation Contract No. IAC (74-75)-006, between The University of Texas at Austin (Center for Research in Water Resources) and the Lower Colorado River Authority, signed by Vice President James H. Colvin, whereby the specifications in IAC (70-71)-533, IAC (72-73)-185, and IAC (72-73)-675 will be continued through the proposed September 1, 1973-August 31, 1974 contract period. Total amount of the contract is not to exceed \$58,530.00.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (STATE) (Cont'd.):

22. Interagency Cooperation Contracts Nos. IAC (74-75)-008, IAC (74-75)-009, IAC (74-75)-012, IAC (74-75)-013, IAC (74-75)-014, IAC (74-75)-015, IAC (74-75)-016, IAC (74-75)-017, IAC (74-75)-018, IAC (74-75)-022, IAC (74-75)-023, IAC (74-75)-024, IAC (74-75)-025, IAC (74-75)-026, IAC (74-75)-027, between The University of Texas at Austin (Visual Instruction Bureau) and the following universities and colleges, signed by Vice President James H. Colvin, whereby the University agrees to furnish visual instructional films and other instructional aids.

East Texas State University - IAC (74-75)-008-----	\$ 5,000.00
Angelo State University - IAC (74-75)-009-----	1,000.00
The University of Texas at El Paso - IAC (74-75)-012---	7,500.00
Tarleton State University - IAC (74-75)-013-----	1,000.00
Sul Ross State University - IAC (74-75)-014-----	1,000.00
Midwestern University - IAC (74-75)-015-----	2,000.00
Prairie View A & M College - IAC (74-75)-016-----	7,000.00
North Texas State University - IAC (74-75)-017-----	1,000.00
Sam Houston State Teachers College - IAC (74-75)-018-	1,500.00
Stephen F. Austin State University - IAC (74-75)-022---	2,000.00
Mexia State School - IAC (74-75)-023-----	700.00
Lamar University - IAC (74-75)-024-----	2,000.00
San Antonio State Hospital - IAC (74-75)-025-----	1,000.00
Southwest Texas State University - IAC (74-75)-026---	3,000.00
West Texas State University - IAC (74-75)-027-----	1,500.00

The contract period is from September 1, 1973 through August 31, 1975.
Total amount of the contracts is not to exceed \$37,200.00.

23. Interagency Cooperation Contract No. IAC (74-75)-030, between The University of Texas at Austin (Visual Instruction Bureau) and East Texas State University, signed by Vice President James H. Colvin, whereby the University agrees to furnish 16mm films and other instructional materials. The contract period is from September 1, 1973 through August 31, 1974. Total amount of the contract is not to exceed \$3,000.00.

24. Interagency Cooperation Contracts Nos. IAC (74-75)-031 and IAC (74-75)-032, between The University of Texas at Austin (Visual Instruction Bureau) and the following universities, signed by Vice President James H. Colvin, whereby the University agrees to furnish visual instructional films and other instructional aids.

Texas A & I University - IAC (74-75)-031-----	\$12,000.00
Texas A & M University - IAC (74-75)-032-----	3,000.00

The contract period is from September 1, 1973 through August 31, 1975.
Total amount of the contracts is not to exceed \$15,000.00.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (STATE) (Cont'd.):

25. Interagency Cooperation Contract No. IAC (74-75)-033, between The University of Texas at Austin (Visual Instruction Bureau) and the Texas Rehabilitation Commission, signed by Vice President James H. Colvin, whereby the University is to provide 16mm film to be used by the Texas Rehabilitation Commission in its in-service training program for employees. The contract period is from September 1, 1973 through August 31, 1974. Total amount of the contract is not to exceed \$1,000.00.

26. Interagency Cooperation Contract No. IAC (74-75)-034, between The University of Texas at Austin (Visual Instruction Bureau) and The University of Texas Health Science Center at Houston, signed by Vice President James H. Colvin, whereby the University agrees to furnish visual instructional films and other instructional aids to The University of Texas Health Science Center at Houston. The contract period is from September 1, 1973 through August 31, 1975. Total amount of the contract is not to exceed \$1,000.00.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL):

1. Modification P00005, Change Order to Contract AF30(602)-4070, by which the United States Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, reduces contract funds by \$532 to a new total of \$134,460. The research in Chinese Lexicography was performed under the direction of Dr. W. P. Lehmann, Ashbel Smith Professor of Germanic Languages and of Linguistics.
2. Modification P00001, Administrative Change to Contract F29601-73-C-0095, by which the United States Air Force, Air Force Special Weapons Center, Kirtland Air Force Base, New Mexico, makes an accounting classification change without otherwise affecting the contract. The research entitled, "Pico-Second Pulse Radar Measurement System," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
3. Modification P00002, Change Order to Contract F29601-73-C-0095, by which the United States Air Force, Air Force Special Weapons Center, Kirtland Air Force Base, New Mexico, increases the total estimated cost from \$157,150 to \$165,150 and provides \$8,000 additional funds (Travis County) and increases total funding from \$106,000 to \$114,000. The contract period effective May 24, 1973, through May 23, 1974, remains the same. The research entitled, "Pico-Second Pulse Radar," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
4. Modification P00003, Change Order to Contract F29601-73-C-0095, by which the United States Air Force, Air Force Special Weapons Center, Kirtland Air Force Base, New Mexico, adds \$39,000 to prior funds and increases total funding from \$114,000 to \$153,000 toward the \$165,150 awarded, without changing the contract period. The research entitled, "Pico-Second Pulse Radar," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
5. Modification P00001, Change Order to Contract F29601-73-0127, by which the U. S. Air Force, Air Force Special Weapons Center, Kirtland Air Force Base, New Mexico, adds \$30,000 to prior funds of \$48,527 for total funding of \$78,527 through May 1, 1974, against the initial total award of \$88,187 for the contract period June 29, 1973 through June 30, 1974. The research entitled, "Design and Fabrication of an IR Thermal Screen System," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
6. Contract F29601-73-C-0127, by which the U. S. Air Force, Air Force Special Weapons Center, Kirtland Air Force Base, New Mexico, provides \$88,187 (Travis County) for support of research entitled, "Design and Fabrication of an IR Thermal Screen System." The contract is effective for the period June 29, 1973 through June 30, 1974; however, of the total award, there is currently funded \$48,527. The research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
7. Contract F33615-73-C-4094, by which the United States Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, provides \$91,618 (Travis County) for support of research entitled, "ACTV/Mafliir Flight Test Data Analysis." The contract is effective for the period May 15, 1973 through May 15, 1974, and of the estimated cost which was awarded there is currently funded \$60,000 for the period through December 15, 1973. The research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

8. Modification P00001, Change Order to Contract F41609-73-C-0031, by which the United States Air Force, Aerospace Medical Division, Brooks Air Force Base, Texas, adds \$39,591.43 to prior funds and completes the funding of \$49,591.43 awarded with the contract which remains effective for the period May 1, 1973 through April 30, 1974. The research entitled, "Investigation of Temperature Rise in Fundus Exposed to Laser Radiation," continues under the direction of Dr. A. J. Welch, Associate Professor of Electrical Engineering, and Dr. C. P. Cain, Assistant Professor of Electrical Engineering.
9. Modification P00002, Supplemental Agreement to Contract F41609-73-C-0031, by which the United States Air Force, Aerospace Medical Division, Brooks Air Force Base, Texas, transfers accountability of certain items of Government-Furnished Equipment under Contract F41609-72-C-0018 to Contract F41609-73-C-0031. The research entitled, "Investigation of Temperature Rise in Fundus Exposed to Laser Radiation," continues under the direction Dr. A. J. Welch, Associate Professor of Electrical Engineering, and Dr. C. P. Cain, Assistant Professor of Electrical Engineering.
10. Modification P00011, Supplemental Agreement to Contract F44620-71-C-0091, by which the United States Air Force, Air Force Office of Scientific Research, Arlington, Virginia, adds an item of special test equipment to the contract. The research entitled, "Basic Research in Electronics (JSEP)," continues under the direction of Dr. A. A. Dougal, Professor of Electrical Engineering.
11. Modification No. 9 to Contract DA-49-193-MD-2942, by which the United States Army, Army Medical Research and Development Command, Washington, D. C., sets final cost of the contract at \$47,025.75, an increase of \$411.75 (Travis County). The research entitled, "Novel 4-Quinolinemethanol Antimalarials," was under the direction of Dr. Royston M. Roberts, Professor of Chemistry.
12. Modification P0002, Supplemental Agreement to Contract DACW72-72-C-0027, by which the United States Army, Coastal Engineering Research Center, Washington, D. C., provides \$3,600 additional funds (Travis County) for the contract period July 1, 1972 through June 30, 1973. The research entitled, "A Study of Some Geological Effects of the Corpus Christi Water Exchange Pass," continues under the direction of Dr. E. William Behrens, Associate Professor of Geological Sciences.
13. Modification P-302, Supplemental Agreement to Contract DADA17-72-C-2154, by which the United States Army, U. S. Army Medical Research and Development Command, Washington, D. C., provides \$35,236 additional funds (Travis County) and extends the contract for the period July 1, 1973 through June 30, 1974. The research entitled, "Application of Oxygen to Treat Waste from Military Field Installations," continues under the direction of Dr. Joseph F. Malina, Professor of Civil Engineering.
14. Contract DAAD07-73-C-0196, by which the United States Army, Procurement Directorate, White Sands Missile Range, New Mexico, provides \$37,443 (Travis County) for support of research entitled, "Feasibility Study-Radar Range Resolution Improvement by Means of Inverse Filtering." The contract is effective July 1, 1973 through December 27, 1973, and the research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. Mc Kinney, Jr., Director.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

15. Contract DAAH01-73-C-1016, by which the United States Army, Headquarters, U. S. Army Missile Command, Redstone Arsenal, Alabama, provides \$15,447 (Travis County) for support of research entitled, "Analysis of the Launch-Tube Flow-Field." The contract is effective for the period June 19, 1973 through December 31, 1973, and the research will be under the direction of Dr. John J. Bertin, Associate Professor of Aerospace Engineering and Engineering Mechanics, and Dr. John C. Westkaemper, Associate Professor of Aerospace Engineering and Engineering Mechanics.
16. Contract DAAD05-73-C-0562, by which the United States Army Procurement Directorate, Aberdeen Proving Ground, Maryland, provides \$29,174 for support of research entitled, "Underwater Target Detector." The contract is effective for the period June 26, 1973 through December 26, 1973, and the research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
17. Modification P00001, Supplemental Agreement to Contract DACW64-73-C-0085, by which the United States Army, Galveston District, Corps of Engineers, Galveston, Texas, provides \$5,252.94 additional funds (Travis County) for support of a project entitled, "Archeological, Historical and Cultural Resources, Inventories, and Evaluations for Eight Project Areas Along the Texas Gulf Coast." The contract is effective beginning February 23, 1973, and the ending date will be determined by completion dates of studies to be assigned under the contract. The project will continue under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
18. Purchase Order DACW63-73-M-1230, by which the U. S. Army Corps of Engineers, Fort Worth District, Fort Worth, Texas, provides \$700 (Travis County) for support of an archeological reconnaissance of the Zacate Creek Flood Control Project, Webb County, Texas. The purchase order is effective for the period June 4, 1973, through June 18, 1973, and the archeological reconnaissance will be under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
19. Modification No. 2, Supplemental Agreement to Contract N00014-67-A-0126-0016, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, decreases the total estimated cost of the contract by \$6,255.35 to a new total of \$12,552.65. The program entitled, "Design of Algorithms," continues under the direction of Dr. Gilbert W. Stewart, Associate Professor of Computer Sciences and of Mathematics.
20. Modification P00008 to Contract N00024-70-C-1089, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides for no-cost extension of the contract through December 31, 1974. The research entitled, "Technical Support of AN/SQQ-16 Sonar," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
21. Modifications P00006 and P00007 to Contract N00024-70-C-1395, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides additional funds of \$1,500 (Travis County) and increases the total estimated cost to \$76,500 without changing the current contract period of June 17, 1970 through June 1, 1974. [Modification P00007 corrects the number and certain other administrative errors in P00006] The research entitled, "SQS-23 LORA Program," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

22. Modification P00008 to Contract N00024-72-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., adds \$212,000 to prior funds for a total of \$869,000 and completes funding of the total estimated cost awarded. The contract is extended for the period September 1, 1973 through February 28, 1974. The Naval Shipyard and TRF Sonar Support and Assistance program continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
23. Modification P00005, Supplemental Agreement to Contract N00024-72-C-1228, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$5,000 additional funds (Travis County) and increases the total estimated cost to \$156,829 without changing the current contract period (February 15, 1972 through July 3, 1973) but with the understanding further modification will extend the period through October 3, 1973. The research entitled, "Swimmer Delivery Vehicle Mark VII Sonar Installation," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
24. Modification P00006 to Contract N00024-72-C-1228, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., extends the period of performance (as agreed with execution of Modification P00005) through October 3, 1973, without otherwise changing the contract. The research entitled, "Swimmer Delivery Vehicle Mark VII Sonar Installation," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
25. Modification P00005, Supplemental Agreement to Contract N00024-72-C-1380, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., provides \$120,000 additional funds (Travis County) and increases the total estimated cost to \$330,217 for the current contract period June 30, 1972 through February 28, 1975. The research entitled, "Nonlinear Acoustics Sonar Development," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
26. Contract N00014-73-C-0433, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$2,200 (Travis County) for support of an international conference on the detection and emission of electromagnetic radiation by Josephson junctions. The contract is effective for the period April 1, 1973 through March 31, 1974, and the program will be under the direction of Dr. Bruce Ulrich, Assistant Professor of Astronomy and of Physics.
27. Contract N00014-73-C-0485, by which the Department of the Navy, Office of Naval Research, Arlington, Virginia, provides \$4,778 (Travis County) for support of a nonlinear acoustics workshop. The contract is effective for the period April 16, 1973 through September 30, 1973, and the workshop will be conducted in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
28. Facilities Contract N00017-73-C-5510, by which the Department of the Navy, Naval Ordnance Systems Command, Washington, D. C., sets forth provisions for and the use of Naval Ordnance System Command facilities and equipment at The University of Texas at Austin. The new contract is effective April 1, 1973 and supersedes facilities use contract N00017-68-C-5507. There are no funds attached to the contract which will serve primarily as a mechanism for handling inventory records for NavOrd research contracts.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

29. Modification P00001, Supplemental Agreement to Contract N00024-73-C-1053, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., funds \$100,000 of an additional \$250,000 (Travis County) which increases total funding to \$350,000 and the estimated cost to \$500,000. The contract is extended for the period September 26, 1973 through August 28, 1974, and the research entitled, "BOTOSS Program Monitoring," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
30. Modification P00002 to Contract N00024-73-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., clarifies the task statement without otherwise changing the contract. The research entitled, "Naval Shipyard and TRF Sonar Support and Assistance," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
31. Modification P00004, Supplemental Agreement to Contract N00024-73-C-1127, by which the Department of the Navy, Naval Ship Systems Command, Washington, D. C., adds \$8,000 to prior funds for a total of \$724,000 toward the \$999,500 estimated cost awarded with the contract for the period February 1, 1973 through September 30, 1974. The research entitled, "Naval Shipyard and TRF Sonar Support and Assistance," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
32. Modification No. 00003, Supplemental Agreement to Contract N00123-73-C-0587, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, provides \$57,344 additional funds (Travis County) and increases the total estimated cost to \$179,344 for the current contract period November 22, 1972 through November 21, 1974. The research entitled, "AN/FQM-10 (V) Sonar Test Set Modernization," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
33. Modification P00003 to Contract N00123-73-C-1370, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, provides \$10,000 additional funds toward the \$64,000 awarded with the contract. The current period for performance remains unchanged and the research entitled, "Doppler Tracking System Operation," continues in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
34. Contract N00123-73-C-2140, by which the Department of the Navy, Naval Regional Procurement Office, Los Angeles, California, provides \$199,600 (Travis County) for support of research entitled, "Design and Fabrication of a Vehicle Search Sonar." The contract is effective for the period July 1, 1973 through October 31, 1974, and the research will be performed in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.
35. Contract N 61331-73-C-0095, by which the Department of the Navy, Naval Coastal Systems Laboratory, Panama City, Florida, provides \$9,950 (Travis County) for support of research entitled, "Next-Generation Mine Hunting Sonar Equipment Study." This fixed price contract is effective for the period June 14, 1973 through September 13, 1973, and the study will be conducted in Applied Research Laboratories under the direction of Dr. Chester M. McKinney, Jr., Director.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

36. Contract N66604-73-C-0509, by which the Department of the Navy, Naval Underwater Systems Center, Headquarters, Newport, Rhode Island, provides \$8,500 (Travis County) for support of research entitled, "Llano Uplight Conductivity Measurements." The contract is effective for the period May 30, 1973 through August 15, 1973, and the research will be under the direction of Dr. H. W. Smith, Professor of Electrical Engineering, and Dr. F. X. Bostick, Professor of Electrical Engineering.
37. Modification No. 4, Supplemental Agreement to Contract AT-(40-1)-3893, by which the U. S. Atomic Energy Commission, Oak Ridge, Tennessee, provides \$31,775 additional funds (Travis County) plus \$1,325 in unexpended funds and extends the contract for the period September 1, 1973 through August 31, 1974. The traineeship program for graduate students in nuclear engineering continues in the Nuclear Research Teaching Laboratory under the direction of Dr. E. Linn Draper, Assistant Professor of Mechanical Engineering, and Director.
38. Modification No. 6, Supplemental Agreement to Contract AT-(40-1)-3919, by which the U. S. Atomic Energy Commission, Oak Ridge Operations, Oak Ridge, Tennessee, provides the additional amount not to exceed \$14,275 (Travis County) for transferring used fuel elements for reprocessing. The current effective contract period remains June 25, 1969 through June 30, 1974, and the Nuclear Reactor Teaching Laboratory continues under the direction of Dr. E. Linn Draper, Assistant Professor of Mechanical Engineering, and Director.
39. Modification No. 3, Supplemental Agreement to Contract AT-(40-1)-4023, by which the U. S. Atomic Energy Commission, Oak Ridge, Tennessee, provides \$15,000 additional funds (Travis County) for support of research entitled, "Studies of Drosophila Dispersal and Migration by Neutron Activation and Genetic Techniques." The modification extends the contract for the period January 1, 1973, through June 30, 1973, and the research continues under the direction of Dr. R. H. Richardson, Associate Professor of Zoology.
40. Modification No. 1, Supplemental Agreement to Contract NAS8-28511, by which the National Aeronautics and Space Administration, George C. Marshall Space Flight Center, Marshall Space Flight Center, Alabama, extends the contract for the period December 22, 1972 through June 22, 1973. The research entitled, "Observation of Man/System Integration in the Man/System Simulator," continues under the direction of Dr. Robert Helmreich, Associate Professor of Psychology.
41. Modification No. 1S, Supplemental Agreement to Contract NAS9-12919, by which the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, provides \$2,940 additional funds (Travis County) and extends the contract for the period July 1, 1973 through September 30, 1973. The research entitled, "Environmental Mapping, Houston Area Test Site," continues under the direction of Dr. L. F. Brown, Jr., Professor of Geological Sciences.
42. Modification 3S, Supplemental Agreement to Contract NAS9-13176, by which the National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, provides \$240,837 additional funds (Travis County) and extends the contract for the period July 1, 1973 through December 31, 1974. The research entitled, "Ultraviolet Stellar Astronomy," continues under the direction of Dr. Karl Henize, Adjunct-Professor of Astronomy.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

43. Modification No. 1-S, Supplemental Agreement to Contract NAS9-13312, by which National Aeronautics and Space Administration, Lyndon B. Johnson Space Center, Houston, Texas, makes available the remaining \$24,600 toward the total award of \$27,100 for support of research entitled, "Stream Network Analysis from Orbital and Suborbital Remote Sensing Imagery, Guadalupe River Basin, Texas." This completes funding for the current contract period May 1, 1973 through June 30, 1974, and the research continues under the direction of Dr. R. K. Holz, Associate Professor of Geography, and Dr. V. R. Baker, Assistant Professor of Geological Sciences.
44. Supplement No. 10 to Grant NGL 44-012-006, by which the National Aeronautics and Space Administration, Washington, D. C., provides \$89,932 additional funds (Travis County) for support of research entitled, "The Investigation of Millimeter Wavelength Radiation of the Planets," for the period April 1, 1973 through March 31, 1974. The total grant period is extended through March 31, 1976, and the research continues under the direction of Dr. J. R. Cogdell, Associate Professor of Electrical Engineering.
45. Supplement No. 8 to Grant NGL 44-012-055, by which the National Aeronautics and Space Administration, Washington, D. C., provides \$61,643 additional funds (Travis County) for support of research entitled, "Polarization and Time Structure of Jovian Decametric Radiation and the Structure of Interplanetary Plasma," for the period May 1, 1973 through April 30, 1974. The total grant period is extended through April 30, 1976, and the research continues under the direction of Dr. James N. Douglas, Professor of Astronomy.
46. Supplement No. 5 to Grant NGR 44-012-165, by which the National Aeronautics and Space Administration, Washington, D. C., provides \$308,439 additional funds (Travis County) and extends the grant for the period September 1, 1973 through August 31, 1974. The research entitled, "The Lunar Laser Ranging Experiment," continues under the direction of Dr. Harlan J. Smith, Professor of Astronomy, and Director, McDonald Observatory.
47. Modification No. 2 to Grant NGR 44-012-194, by which the National Aeronautics and Space Administration, Washington, D. C., extends the grant for the period January 1, 1973 through August 31, 1973. The research entitled, "Morphologic Studies of Mars from Mariner IX Photographs," continues under the direction of Dr. F. Earl Ingerson, Professor of Geology.
48. Supplement No. 3 to Grant NGR 44-012-194, by which the National Aeronautics and Space Administration, Washington, D. C., extends the grant for the period September 1, 1973 through January 31, 1974, and provides \$6,039 additional funds (Travis County). The research entitled, "Morphologic Studies of Mars from Mariner IX Photographs," continues under the direction of Dr. F. Earl Ingerson, Professor of Geology.
49. Supplement No. 1 to Grant NGR 44-012-215, by which the National Aeronautics and Space Administration, Washington, D. C., extends the grant through July 31, 1973, without additional funds. The research entitled, "Low Noise Spectroscopy of the Solar Photosphere and Sunspots," continues under the direction of Dr. David L. Lambert, Associate Professor of Astronomy.
50. Amendment No. 2 to Cooperative Agreement No. 12-14-100-10, 876 (44), by which the U. S. Department of Agriculture, Agricultural Research Service, Northeast Region, Beltsville, Maryland, provides \$40,000 additional funds (Travis County) and extends the agreement for the period July 1, 1973 through June 30, 1974. The research entitled, "Control of Lipid Metabolism and Improved Reproduction in Farm Animals by New Hormones," continues under the direction of Dr. Karl Folkers, Director, Institute of Biomedical Research.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

51. Cooperative Agreement No. 12-14-7001-111, by which the U. S. Department of Agriculture, Agricultural Research Service, Southern Region, New Orleans, Louisiana, provides \$28,000 for support of research entitled, "Biochemical Genetics of Screwworms in Nature and the Genetic Effects of Laboratory Colonization and Mass-Rearing of Screwworms." The cooperative agreement is effective for the period June 14, 1973 through June 30, 1975, and the research will be under the direction of Dr. Guy L. Bush, Associate Professor of Zoology.
52. Forest Service Agreement No. 13-686, by which The Forest Service, U. S. Department of Agriculture, Washington, D. C., provides \$19,600 (Travis County) for support of research entitled, "Pavement Design System for Forest Service Roads - A Conceptual Study." The agreement is effective for the period June 26, 1973, through June 30, 1974, and the research will be under the direction of Dr. W. R. Hudson, Associate Professor of Civil Engineering, and Dr. B. F. McCullough, Associate Professor of Civil Engineering.
53. Purchase Order No. S-313830-73, by which the U. S. Department of Commerce, National Bureau of Standards, Washington, D. C., provides \$2,000 (Travis County) for support of a research project entitled, "Weights and Measures Activities and Consumer Services of the Department of Consumer Protection, City of Dallas, Texas." The purchase order is effective for the period May 1, 1973, through May 1, 1974, and the research will be under the direction of Dr. Alexander L. Clark, Professor of Sociology.
54. Purchase Order PX 70003 0524, by which the U. S. Department of the Interior, National Park Service, Southwest Region, Santa Fe, New Mexico, provides \$2,500 (Travis County) for support of archeological investigations at Birthplace Area, Lyndon B. Johnson National Historic Site, Gillespie and Blanco Counties, Texas. The purchase order is effective for the period May 11, 1973 through August 15, 1973, and the investigations continue under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
55. Contract CX 700030 221, by which the U. S. Department of the Interior, National Park Service, Southwest Region, Santa Fe, New Mexico, provides \$10,000 (Travis County) for support of additional investigation of the Amistad International Reservoir, Rio Grande River, Texas. The contract is effective for the period June 28, 1973 through April 30, 1974, and the investigation will be under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
56. Contract CX 700030 222, by which the U. S. Department of the Interior, National Park Service, Santa Fe, New Mexico, provides \$4,000 (Travis County) for support of a project entitled, "Archeological Survey of the San Felipe Creek Watershed, Texas." The contract is effective for the period June 28, 1973 through May 31, 1974, and the investigations will be under the direction of David S. Dibble, Acting Director, Texas Archeological Survey.
57. Grant No. 14-31-0001-9088, by which the U. S. Department of the Interior, Office of Water Resources Research, Washington, D. C., provides \$27,500 (Travis County) for support of research entitled, "Technique for Projecting Alternative Futures for Water Resources Planning and for Estimating Flood Flow Frequencies." The grant is effective for the period May 1, 1973 through January 31, 1974, and the research will be under the direction of Dr. Leo R. Beard, Technical Director, Center for Research in Water Resources.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

58. Modification No. 8, Supplemental Agreement to Contract No. 82-48-71-18, by which the U. S. Department of Labor, Manpower Administration, Washington, D. C., extends the contract through September 30, 1973. The research entitled, "Nonapprentice Entry to Selected Construction Trades," (a comparison of journey-men who have and have not completed apprenticeship) continues under the direction of Dr. F. Ray Marshall, Professor of Economics.
59. Amendment No. 1 to Grant T-900006, by which the Environmental Protection Agency, Washington, D. C., extends the grant through September 30, 1973, without additional funds. The training program entitled, "Air Pollution Control," continues under the direction of Dr. Joseph Malina, Professor of Civil Engineering.
60. Grant A30-42-44, by which the National Endowment for the Arts, Washington, D. C., provides \$40,00 (Travis County) for support of a program to study the exploration of the potential for an integrated open space network around the waterways (the Colorado River, major creeks and tributaries within the city of Austin, and the watershed areas) to accomodate a wide range of community needs. The grant is effective for the period June 1, 1973 through June 1, 1974, and the program will be under the direction of Sinclair Black, Associate Professor of Architecture.
61. Grant SF3-00111, by which the Smithsonian Institution, Washington, D. C., provides \$45,000 equivalent in Yugoslav dinars for support of research entitled, "Archeological Excavations at Stobi," for the period June 14, 1973 through June 30, 1974. The research continues under the direction of Dr. James R. Wiseman, Professor of Classics.
62. Grant NE-G-00-3-0117, by which the Department of Health, Education, and Welfare, National Institute of Education, Washington, D. C., provides \$42,744 (Travis County) for support of research entitled, "Anglo and Chicano Models for Social and Educational Change in South Texas: A Regional and Community Analysis." The grant is effective for the period June 27, 1973 through December 21, 1974, and the research will be under the direction of Dr. Douglas E. Foley, Assistant Professor of Cultural Foundations of Education.
63. Modification No. 13, Supplemental Agreement to Contract OE-6-10-108, by which the Department of Health, Education, and Welfare, National Institute of Education, Washington, D. C., increases contract funds by \$15,625. The Research and Development Center for Teacher Education continues under the direction of Dr. Robert F. Peck, Professor of Educational Psychology, and Dr. Oliver H. Bown, Professor of Educational Psychology.
64. Amendment No. 4 to Grant Agreement OEG-0-72-0242 (824-820), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., revises certain provisions in the international travel and baggage category of the budget. The graduate fellowship program, Doctoral Dissertation Research Abroad, continues to be coordinated by Dr. Fred P. Ellison, Associate Dean of the Graduate School.
65. Revision No. 3 to Grant OEG-0-71-1069(725), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$481,654 additional funds (Travis County) and extends the grant for the period July 1, 1973 through August 30, 1974. The National Program for Educational Leadership continues under the direction of Dr. Michael P. Thomas, Professor of Educational Administration.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

66. Amendment No. 5 to Grant OEG-0-72-0242 (824-820), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., increases the grant funds by \$397 to allow for additional dependent. The graduate fellowship program, Doctoral Dissertation Research Abroad, continues to be coordinated by Dr. Fred P. Ellison, Associate Dean of the Graduate School.
67. Revision No. 2 to Grant OEG-0-72-4196 (603), by which the Department of Health, Education, and Welfare, Office of Education, Bureau of the Handicapped, Washington, D. C., increases funds by \$400,919 (Travis County) for a cumulative total of \$842,879 for the period June 1, 1972 through May 31, 1974, for continuing support of a training program entitled, "Preparation of Personnel in Education of the Handicapped." Of the current funds, \$25,215 is awarded to Dr. Jan C. Stoner, Assistant Professor of Physical and Health Education; \$64,719 to Dr. Lennart Kopra, Professor of Speech Communication and Education; and \$310,985 to Dr. John D. King, Associate Professor of Special Education and of Educational Administration.
68. Grant OEG-0-73-0727, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$57,450 equivalent in Egyptian pounds [of this amount \$20,478 withheld by U.S. Office of Education for international travel; \$36,972 for use by appropriate American Embassy] for support of a summer area studies program in Cairo. The grant is effective for the period May 22, 1973 through September 15, 1973, and the project will be under the direction of Dr. Robert A. Fernea, Professor of Anthropology.
69. Revision No. 1 to Grant OEG-0-73-0727, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., revises provisions for staff travel to Cairo without increasing the cost of the project. The summer area studies program in Cairo continues under the direction of Dr. Robert A. Fernea, Professor of Anthropology.
70. Grant Agreement OEG-0-73-3053, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$20,710 [\$6,645 equivalent in Indian Rupees and \$14,065 in U.S. Dollars] for support of three prospective teachers in modern foreign languages, area and world affairs under the graduate fellowship program, Doctoral Dissertation Research Abroad. The grant is effective for the period July 1, 1973 through February 28, 1975, and the program is coordinated by Dr. Fred P. Ellison, Associate Dean of the Graduate School.
71. Grant OEG-0-73-3839(314), by which the Department of Health, Education, and Welfare, Office of Education, provides \$5,000 (Travis County) for support of a Title II-A College Library Resources Program. The grant is effective for the period June 30, 1973, through June 30, 1974, and the program will be under the direction of Charles F. Folmer, University Librarian.
72. Grant OEG-0-73-5206 (320), by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$70,400 (Travis County) for support of 10 Master's level fellowships in Library Science. The grant is effective for the period June 15, 1973 through September 27, 1974, and the program will be coordinated by Dr. C. Glenn Sparks, Acting Dean, Graduate School of Library Science.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

73. Grant OEG-0-73-5537, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$13,300 (Travis County) for support of an international educational development program. The grant is effective for the period August 1, 1973 through January 31, 1974, and the program will be under the direction of Dr. Joe W. Neal, Director, International Office.
74. Contract OEC-6-73-1197 and Amendment No. 1, by which the Department of Health, Education, and Welfare, Office of Education, Washington, D. C., provides \$794,880 (Travis County) for support of a program as a continuation of the Center for Public School Ethnic Studies which has been under the direction of Dr. William E. Barron since June 1969. The program seeks to develop curriculum materials and teaching procedures appropriate to racially-integrated classrooms as opposed to the former aim of dealing with problems related to the desegregation process. The program is available only at the request of local school authorities.
75. Modification No. 3, Supplemental Agreement to Contract N01-ES-0-2288 (formerly NIH-70-2288) by which the Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, provides \$5,500 additional funds (Travis County) for support of research entitled, "Detection of Human Somatic Mutations," and extends the contract for the period June 22, 1973 through September 21, 1973. The research continues under the direction of Dr. H. Eldon Sutton, Professor of Zoology.
76. Contract N01 CP33384, by which the Department of Health, Education, and Welfare, Public Health Service, National Institutes of Health, Bethesda, Maryland, provides \$53,500 (Travis County) for support of research entitled, "Microbiological Methods for the Synthesis of Polycyclic Hydrocarbon." The contract is effective for the period June 25, 1973 through June 24, 1974, and the research will be under the direction of Dr. David T. Gibson, Associate Professor of Microbiology.
77. Contract NIH-N01-AM-3-2205, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Arthritis, Metabolism, and Digestive Diseases, Bethesda, Maryland, provides \$20,000 (Travis County) for support of research entitled, "Physiological Transport Parameters in Patients in Peritoneal and Hemodialysis." The contract is effective for the period June 12, 1973 through June 11, 1974, and the research will be under the direction of Dr. Robert Popovich, Assistant Professor of Chemical Engineering.
78. Health Professions Capitation Grant [dated 25 June 1973] and Revised Grant E03 PE00479-04 [dated 27 June 1973] by which the Department of Health, Education, and Welfare, Public Health Service, Division of Physician and Health Professions Education, Bethesda, Maryland, provides \$334,856 (Travis County) for support of Health Professions Education in the College of Pharmacy at The University of Texas at Austin. One-half of the above funds are awarded conditionally and cannot be expended until released by Public Health Service. The grant is effective for the period July 1, 1973 through June 30, 1974, and the program continues under the direction of Dr. James T. Doluisio, Dean, College of Pharmacy.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

79. Grant AI 10797-02, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$19,551 (Travis County) for support of research entitled, "Induction of Immunity to Experimental Salmonellosis," for the period May 1, 1973 through April 30, 1974. The total project period is May 1, 1972, through April 30, 1975. The research continues under the direction of Dr. L. Joe Berry, Professor of Microbiology.
80. Grant AI10087-04, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$27,851 (Travis County) for support of research entitled, "Effect of Endotoxin of Induction of Liver Enzymes," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1971 through May 31, 1976, and the research continues under the direction of Dr. L. Joe Berry, Professor of Microbiology.
81. Grant AI 10466-02, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, provides \$15,416 (Travis County) for support of research entitled, "Immunity to Cholera," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1972 through May 31, 1975, and the program continues under the direction of Dr. L. Joe Berry, Professor of Microbiology.
82. Grant EY 00495-05, by which the Department of Health, Education, and Welfare, Public Health Service, National Eye Institute, Bethesda, Maryland, provides \$27,710 (Travis County) for support of research entitled, "Photobiology and Vision," for the period May 1, 1973 through April 30, 1974. The total project period is May 1, 1972 through April 30, 1975, and the research continues under the direction of Dr. J. A. C. Nicol, Professor of Zoology.
83. Grant HD 07727-01, by which the Department of Health, Education, and Welfare, Public Health Service, Child Health and Human Development, Bethesda, Maryland, provides \$37,777 (Travis County) for support of research entitled, "Photoperiodic Control of Reproductions," for the period June 29, 1973 through May 31, 1974. The total project period is June 29, 1973 through May 31, 1976, and the research will be under the direction of Dr. Michael Menaker, Professor of Zoology.
84. Revised Grant HD 06160-02, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Child Health and Human Development, Bethesda, Maryland, reduces grant funds by \$6,330. The Population Research Center continues under the direction of Dr. Harley L. Browning, Professor of Sociology.
85. Grant GM20028-01, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$50,000 (Travis County) for support of research entitled, "Man-Computer Interactive Analysis of Chromosomes," for the period June 29, 1973, through May 31, 1974. The total project period is June 29, 1973, through May 31, 1976, and the research will be under the direction of Dr. Richard H. Richardson, Associate Professor of Zoology.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

86. Grant MH24280-01, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$44,647 (Travis County) for support of research entitled, "Intelligence and Personality: An Adoption Study," for the period June 1, 1973 through May 31, 1974. The total project period is June 1, 1973 through May 31, 1976, and the research will be under the direction of Dr. Joseph M. Horn, Assistant Professor of Psychology.
87. Grant MCT-000343-01-0, by which the Department of Health, Education, and Welfare, Public Health Service, Health Services and Mental Health Administration, Bethesda, Maryland, provides \$11,892 (Travis County) for support of short-term training for social workers in maternal and child health programs, effective July 1, 1973, through June 30, 1974, the total project period. The training program will be under the direction of Dr. Jack Otis, Dean, Graduate School of Social Work.
88. Training Grant A02 H00084-05, by which the Department of Health, Education, and Welfare, Public Health Service, Division of Allied Health Manpower, Bethesda, Maryland, provides \$17,148 of unexpended funds from prior years for the period July 1, 1973 through June 30, 1974. The program entitled, "Allied Health Advanced Traineeship Diet /4 MS," continues under the direction of Dr. Margaret A. Eppright, Professor of Home Economics and Education.
89. Revised Grant T01 GM00337-14, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, increases grant funds by \$10,087 (Travis County) for a new total of \$109,699 for the period July 1, 1973 through June 30, 1974, for support of a training program entitled, "Genetics and Cell Biology." The total project period is July 1, 1970 through June 30, 1976, and the program continues under the direction of Dr. Robert P. Wagner, Professor of Zoology.
90. Revised Grant T01 GM00600-14, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, provides \$6,480 additional funds (Travis County) for support of a training program in microbiology for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1970 through June 30, 1976, and the program continues under the direction of Dr. Orville Wyss, Professor of Microbiology.
91. Revised Grant T01 GM00836-11, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of General Medical Sciences, Bethesda, Maryland, increases grant funds by \$5,400 (Travis County) for a new total of \$57,351 for the period July 1, 1973 through June 30, 1974, for support of a program entitled, "Physiology and Biophysics." The total project period is July 1, 1969 through June 30, 1976, and the training program continues under the direction of Dr. A. R. Schrank, Professor of Zoology.
92. Grant T01 HD00268-03, by which the Department of Health, Education, and Welfare, National Institute of Child Health and Human Development, Bethesda, Maryland, provides \$60,161 (Travis County) for support of a training program entitled, "Basic Mechanisms in Development and Reproductions," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1971 through June 30, 1976, and the program continues under the direction of Dr. Antone G. Jacobson, Professor of Zoology.

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

93. Grant T01 MH06715-15S1, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$20,571 (Travis County) for support of a training program entitled, "Psychiatric Social Work," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1968 through June 30, 1974, and the program continues under the direction of Dr. Jack Otis, Dean, Graduate School of Social Work.
94. Grant T01 MH10223-09, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$62,687 (Travis County) for support of a training program entitled, "Psychology - Clinical Psychology," for the period July 1, 1973, through June 30, 1974. The total project period is now July 1, 1967, through June 30, 1976, and the program continues under the direction of Dr. James Bieri, Professor of Psychology.
95. Grant T01 MH10504-08, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$40,382 (Travis County) for support of a training program entitled, "Psychology - Community Mental Health," for the period July 1, 1973, through June 30, 1974. The total project period is July 1, 1971 through June 30, 1977, and the program continues under the direction of Dr. Ira Iscoe, Professor of Psychology and Education.
96. Grant T21 MH12111-04, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$76,236 (Travis County) for support of a training program entitled, "Graduate Program in Mental Health Information," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1973 through June 30, 1977, and the training program continues under the direction of Dr. DeWitt C. Reddick, Jesse H. Jones Professor of Journalism and Education.
97. Grant T01 MH12476-04, by which the Department of Health, Education, and Welfare, Public Health Service, National Institute of Mental Health, Bethesda, Maryland, provides \$59,951 (Travis County) for support of a program entitled, "Research Training - Biological Sciences," for the period July 1, 1973 through June 30, 1974. The total project period is July 1, 1970 through June 30, 1977, and the training program continues under the direction of Dr. John C. Loehlin, Professor of Computer Sciences and of Psychology.
98. Amendment No. 1 to Grant GA-35111, by which National Science Foundation, Washington, D. C., extends the grant through December 31, 1973, without additional funds. The research entitled, "Submersible Investigation of North Jamaican Reef Escarpment," continues under the direction of Dr. Lynton S. Land, Associate Professor of Geology.
99. Amendment No. 1 to Grant GB-36247, by which National Science Foundation, Washington, D. C., extends the period of the grant through April 30, 1974, without additional funds. The research entitled, "Doctoral Dissertation: North and South American Desert Disjuncts in Coldenis (Boraginaceae)," is performed by Alfred T. Richardson (Doctoral Candidate) and continues under the direction of Dr. B. L. Turner, Professor of Botany (Advisor).

THE UNIVERSITY OF TEXAS AT AUSTIN

September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) - Continued:

100. Amendment No. 1 to Grant GI-34283X, by which National Science Foundation, Washington, D. C., provides \$115,700 additional funds (Travis County) and extends the grant for the period July 1, 1973 through December 31, 1974. The research entitled, "Viruses, Sewage and Terrestrial Waste Disposal," continues under the direction of Dr. Bernard P. Sagik, Professor of Microbiology, and Dr. Joseph F. Malina, Jr., Professor of Civil Engineering.
101. Grant GI-39065, by which National Science Foundation, Washington, D. C., provides \$93,600 (Travis County) for support of research entitled, "Evaluation of Policy Related Research Systems for Controlling Municipal Economic Development." The grant is effective for the period June 1, 1973 through May 31, 1974, and the research will be under the direction of Dr. Niles M. Hansen, Professor of Economics.
102. Amendment No. 1 to Grant GJ-1159, by which National Science Foundation, Washington, D. C., extends the grant through August 31, 1973, without additional funds. The research entitled, "Collaborative Research for the Development of a Certified Subroutine Library," continues under the direction of Dr. Y. Ikebe, Assistant Professor of Computer Sciences.
103. Grant GJ-39658, by which National Science Foundation, Washington, D. C., provides \$34,400 (Travis County) for support of research entitled, "Measurement of Replication of Processing in Interactive Computation." The grant is effective for the period September 1, 1973 through February 29, 1976, and the research will be under the direction of Dr. Andrew S. Noetzel, Assistant Professor of Computer Sciences.
104. Grant GK-39071, by which National Science Foundation, Washington, D. C., provides \$40,000 (Travis County) for support of research entitled, "Finite Element Applications in the Dynamical Theory of Finite Elasticity." The grant is effective for the period September 1, 1973 through February 28, 1975, and the research will be under the direction of Dr. J. Tinsley Oden, Professor of Aerospace Engineering and Engineering Mechanics.
105. Grant GP-39253, by which National Science Foundation, Washington, D. C., provides \$24,400 (Travis County) for support of research entitled, "Motion of Triple Stellar Systems." The grant is effective for the period August 1, 1973 through January 31, 1976, and the research will be under the direction of Dr. Victor Szebehely, Professor of Aerospace Engineering and Engineering Mechanics.
106. Amendment No. 1 to Grant GS-32271, by which National Science Foundation, Washington, D. C., provides \$4,800 additional funds (Travis County) for the current grant period February 1, 1972 through February 28, 1974. The research entitled, "Stochastic Control in Macroeconomic Models," continues under the direction of Dr. David Kendrick, Professor of Economics.
107. Amendment No. 2 to Grant GS-34329, by which National Science Foundation, Washington, D. C., extends the grant through June 30, 1974, without additional funds. The project entitled, "Collaborative Research on Social Psychological Reactions to Stress," continues under the direction of Dr. David Glass, Professor of Psychology.
108. Grant GY-10928, by which National Science Foundation, Washington, D. C., provides \$10,500 (Travis County) for support of an instructional scientific equipment program. The grant is effective for the period June 22, 1973 through June 30, 1975, and the program will be under the direction of Dr. Elmer L. Hixson, Professor of Electrical Engineering.

THE UNIVERSITY OF TEXAS AT AUSTIN
September 14, 1973

GRANTS, CONTRACTS, AND AGREEMENTS (FEDERAL) (Cont'd.):

109. Agreement between The University of Texas Marine Science Institute at Port Aransas and the National Ocean Survey (U.S. Department of Commerce Purchase Order No. 4-11180), signed by Vice President James H. Colvin, for the operation of a Tide Gage. The contract period is from July 1, 1973 through June 30, 1974. Total amount of the contract is not to exceed \$600.00.

110. Correspondence Course Contract No. MDA901-74-C-0043, between The University of Texas at Austin (Division of Extension) and The United States of America (Defense Department), signed by Vice President James H. Colvin, whereby the University agrees to provide course materials and administrative services to military personnel of the Army, Air Force, Navy, Marine Corps and the Coast Guard, whose course applications have been signed by the applicants' commanding officer or his official designee, and accepted by the University under procedures approved by the Director, USAFI. The contract period is from July 1, 1973 through June 30, 1974. The government is to pay \$2.50 as an individual lesson service fee for each lesson corrected and graded per each student actively enrolled.

111. Contract No. F11602-73-C-0170, between The University of Texas at Austin (Meteorology) and the Chanute Technical Training Center, signed by Vice President James H. Colvin, whereby the University will provide Basic Officer Weather Training for seven students. The contract period is from July 16, 1973 through August 25, 1973. Total amount of the contract is not to exceed \$2,600.00.

THE UNIVERSITY OF TEXAS AT AUSTIN
AMENDMENTS TO THE 1972-73 OPERATING BUDGET
BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

The term "rate" for academic personnel is the full-time nine-month base rate; for classified personnel it is the full-time twelve-month rate, the appointee receiving a proportionate amount depending upon the fraction of time for which he is appointed and the period of his appointment. Source of funds for payment of salaries, unless otherwise shown, is the departmental salaries account.

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>GENERAL ADMINISTRATION AND STUDENT SERVICES</u>				
<u>Office of the President</u>				
Appointment			Academic	
Special Assistant to the President			<u>Rate</u>	<u>Stipend</u>
1. William S. Livingston	7/16 - 8/31	100	\$ 29,000	\$ 3,000
Source of Funds: Transfer from Unallocated Teaching Salaries				
Academic Status: Professor (Government)				
(RBC# 2906, 2777)				
Equal Employment Opportunity Officer				
2. Mary Teague Richardson	7/10 - 8/31	100	12	15,000
(RBC# 4177)				
Transfer Between Dissimilar Appropriations				
3. Amount of Transfer - \$14,000				
To: Maintenance and Operation				
From: Development of Administrative Services				
(RBC# 4209)				
<u>Office of the Vice President for Business Affairs</u>				
Appointment				
Assistant for Shuttle Bus Operations				
4. Joseph F. Pinnelli	5/7 - 8/31	100	12	12,000
Source of Funds: Transfer from Unallocated Classified Salaries				
(RBC# 2955, 2776)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>GENERAL ADMINISTRATION AND STUDENT SERVICES (Continued)</u>				
<u>Office of the Vice President for Student Affairs and Texas Union</u>				
Change of Status				
5. John G. Steele, Jr.				
To: Office of the Vice President for Student Affairs Assistant to the Executive Officers	6/1 - 8/31	100	12	\$ 20,000
Source of Funds: Transfer from Unallocated Salaries				
From: Texas Union - Auxiliary Enterprises Funds Director, Texas Union (RBC# 3957, 3956, 3845)	9/1 - 5/31	100	12	20,000
<u>Office of the Provost</u>				
Change of Status				
6. Stanley R. Ross	6/1 - 8/31	100	12	41,500
Change Title Only To: Vice President and Provost				
From: Provost (RBC# 2954)				
Transfer Between Dissimilar Appropriations				
7. Amount of Transfer - \$500				
To: Travel				
From: Maintenance and Operation				
To cover Travel commitments during the summer months. (RBC# 3649)				
<u>University Personnel Office</u>				
Appointment				
Director				
8. Norman W. Minter (RBC# 3814)	7/1 - 8/31	100	12	20,800
Transfer of Funds				
9. Amount of Transfer - \$4,800				
To: Clerical Assistants (\$1,800) Maintenance and Operation (\$3,000)				
From: Administrative and Professional Salaries (\$1,800) Unallocated Maintenance and Operation (\$3,000)				
To cover the additional operating costs in connection with the new insurance program, Personnel-O-Gram printing and distribution, and Personnel Pay Plan reprinting. (RBC# 3890, 4103)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>GENERAL ADMINISTRATION AND STUDENT SERVICES (Continued)</u>				
<u>Office of the Dean of Students</u>				
Appointment				
Ombudsman				
10. James T. Osborn (RBC# 3613)	6/1 - 8/31	50	12	\$ 8,400
Associate Dean of Students				
11. William A. Bryan (RBC# 4148)	7/1 - 8/31	100	12	19,800
Reappointment				
Associate Dean of Students				
12. W. Firman Haynie	6/1 - 8/31	100	12	18,500
Source of Funds: Transfer from Unallocated Classified Personnel				
Previous appointment was at the same rate (RBC# 3579, 3378)				
Resignation				
Ombudsman				
13. Hector R. DeLeon	9/1 - 8/31	50	12	7,200
Date of Resignation (RBC# 3035) 5/31/73				
Transfer Between Dissimilar Appropriations				
14. Amount of Transfer - \$5,900				
To: Orientation Program				
From: Administrative and Professional Salaries				
Funds available in the Salaries account were needed to cover orientation advisor staffing costs. (RBC# 4170)				
<u>Office of the Dean of Students and Division of Housing and Food Service - Division Office</u>				
Change of Status and Salary Increase				
15. Robert P. Cooke				
Office of the Dean of Students				
Associate Dean of Students				
To:	9/1 - 5/31	25	12	18,500
	6/1 - 8/31	22.5	12	19,500
From:	9/1 - 8/31	25	12	18,500
Division of Housing and Food Service - Auxiliary Enterprises Funds				
To: Jester Center Halls				
Acting Director	9/1 - 5/31	75	12	18,500
Division Office				
Director of Housing and Food Service	6/1 - 8/31	77.5	12	19,500
From: Jester Center Halls				
Acting Director	9/1 - 8/31	75	12	18,500
Rate Increase			<u>12</u>	<u>1,000</u>
(RBC# 4150, 4149, 4151)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

GENERAL ADMINISTRATION AND STUDENT SERVICES (Continued)

Counseling-Psychological Services Center

Reappointment

Counseling Coordinator

1 . Frederick E. Hill	6/1 - 8/31	50	12	\$ 16,874
-----------------------	------------	----	----	-----------

Concurrent Employment:
Division of Housing and
Food Service

Counseling Coordinator (RBC# 3581)	9/1 - 8/31	50	12	16,874
---------------------------------------	------------	----	----	--------

Transfer of Funds

17. Amount of Transfer - \$2,825

To: Counseling-Psychological Services Center - Wages

From: Dean of Students - Administrative and Professional Salaries (\$2,400)
Counseling-Psychological Services Center - Administrative and
Professional Salaries (\$425)

To cover wages expense of the Center during the summer.
(RBC# 3578, 4208)

Measurement and Evaluation Center

Reappointment

Assistant Director

18. Susan Hereford	6/1 - 8/31	50	12	15,384
--------------------	------------	----	----	--------

Source of Funds: Transfer
from the Center's Classified
Salaries account.

Previous appointment was at
the same rate.

(RBC# 3584, 3095)

Student Financial Aids

Transfer Between Dissimilar Appropriations

19. Amount of Transfer - \$4,124

To: Development of Student Services including Travel

From: Classified Personnel

To provide funds needed to pay hourly employees and to meet
operating costs of this program for the remainder of the year.
(RBC# 3583, 3946)

International Office

Transfer of Funds

20. Amount of Transfer - \$9,877

To: International Office - Wages (\$8,877)
- Maintenance and Operation (\$1,000)

From: Unallocated Maintenance and Operation

To transfer to the International Office funds equivalent to 85% of
the tuition and fees paid for participants in the Summer 1973 Latin
American Scholarship Program of American Universities. These fees
were deposited in General Budget Income, but funds are needed by
the International Office for expenses in connection with the Program.
(RBC# 4101)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

GENERAL ADMINISTRATION AND STUDENT SERVICES (Continued)

International Office (Continued)

Transfer Between Dissimilar Appropriations

21. Amount of Transfer - \$200

To: Maintenance and Operation

From: Computer Rental and Purchased Services

Reallocation of funds to cover costs of supplies chargeable to the regular Maintenance and Operation account.
(RBC# 3096)

GENERAL INSTITUTIONAL EXPENSE

Longhorn Band

Transfer of Funds

22. Amount of Transfer - \$3,204

To: Longhorn Band - Classified Personnel

From: Unallocated Classified Salaries

To provide funds for the appointment of an assistant to the band director for the summer.
(RBC# 3377)

Choral Organizations

Transfer Between Dissimilar Appropriations

23. Amount of Transfer - \$1,521.23

To: Maintenance, Operation and Equipment

From: Wages (\$967.36)
Travel (\$553.87)

Reallocation of funds to provide for summer operating expenses.
(RBC# 3107, 3116)

University Development Board

Change of Status

24. W. Graves Blanton

9/1 - 8/31

100

12

\$ 22,962

Change of Title only:

To: Associate Director

From: Acting Director

Effective Date: 7/1/73

(RBC# 3808)

Visitors' Center

Transfer of Funds

25. Amount of Transfer - \$9,500

To: Visitors' Center - Maintenance and Operation

From: Unallocated Maintenance and Operation

To provide funds for an information packet for faculty members and for revision of the campus map.
(RBC# 3596)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

GENERAL INSTITUTIONAL EXPENSE (Continued)Miscellaneous General Institutional Expense

Transfer of Funds

26. Amount of Transfer - \$1,279.35

To: Honors Day (\$392.45)
 Institutional Memberships (\$886.90)

From: Unallocated Maintenance and Operation

To meet increased expenses in connection with these activities.
 (RBC# 3860, 4102)

SCHOOL OF ARCHITECTURE

Transfer of Funds

27. Amount of Transfer - \$2,800

To: Architecture - Maintenance and Operation

From: Unallocated Maintenance and Operation

To replenish departmental operating account for computer costs
 incurred during the year.
 (RBC# 2780)

Transfer Between Dissimilar Appropriations

28. Amount of Transfer - \$1,428

To: Wages

From: Summer Session - Faculty Salaries (\$628)
 Teaching Assistants (\$800)

To provide funds to employ part-time student assistants for
 faculty members teaching freshman drawing and design courses.
 (RBC# 3337, 4018)

COLLEGE OF HUMANITIESFrench-Italian

Interdepartmental Transfer

29. Amount of Transfer - \$325

To: French-Italian - Visiting Lecturers and Consultants (\$75)
 Travel (\$250)

From: Office of the Dean - Visiting Lecturers and Consultants (\$75)
 Travel (\$250)

To supply the additional funds needed by the French-Italian
 Department.
 (RBC# 2786, 3841)

30. Amount of Transfer - \$850

To: French-Italian - Classified Personnel

From: English - Classified Personnel

Funds available in the English Department were needed in
 French-Italian Department for overlap and replacement of
 a departmental secretary.
 (RBC# 3114)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>Germanic Languages</u>				
Interdepartmental Transfer				
31. Amount of Transfer - \$150				
To: Germanic Languages - Visiting Lecturers				
From: Slavic Languages - Visiting Lecturers				
To supply a portion of the funds needed to bring Lecturer John Willett to the campus for a three day period. (RBC# 3857)				
32. Amount of Transfer - \$175				
To: Germanic Languages - Classified Personnel				
From: Office of the Dean - Classified Personnel				
These funds were needed to increase the hours of a classified employee in the Germanic Languages Department during the summer. (RBC# 4079)				
<u>Language Laboratory</u>				
Transfer of Funds				
33. Amount of Transfer - \$2,000				
To: Language Laboratory - Wages				
From: Unallocated Classified Salaries				
To supply funds needed for part-time help for the Language Laboratory during the summer. (RBC# 3375)				
<u>Oriental and African Languages and Literatures</u>				
Interdepartmental Transfer				
34. Amount of Transfer - \$537				
To: Oriental and African Languages and Literatures - Wages				
From: Office of the Dean - Wages				
To provide funds for a part-time clerk-typist during the summer in the department. (RBC# 3097)				
<u>Philosophy</u>				
Transfer Between Dissimilar Appropriations				
35. Amount of Transfer - \$200				
To: Wages				
From: Teaching Assistants				
Funds remaining in the Teaching Assistants account at the end of the long session were needed to employ part-time staff during the summer for the departmental library. (RBC# 3120)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>Spanish-Portuguese</u>				
Interdepartmental Transfer				
36. Amount of Transfer - \$122				
To: Spanish-Portuguese - Wages				
From: Office of the Dean - Wages				
These funds were needed by the Spanish-Portuguese Department to pay for editing of new tapes to be used during the Fall semester. (RBC# 2917)				
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</u>				
<u>Office of the Dean</u>				
Appointment and Salary Increase				
Assistant Dean				
37. Cookie J. W. Stephan	6/1 - 8/31	50	12	\$ 16,266
Previous appointment:				
Sociology				
Assistant Professor				
(1972-73 Only)				
	9/1 - 5/31	100	9	11,500
			12	
			(equiv.)	<u>15,333</u>
			<u>12</u>	<u>933</u>
Rate Increase (RBC# 3557)				
Resignation				
Assistant Dean				
38. Patricia Kruppa	6/1 - 8/31	50	12	16,266
Date of Resignation 5/31/73				
Academic Status:				
Assistant Professor				
(History)				
(RBC# 3138)				
<u>Economics</u>				
Interdepartmental Transfer				
39. Amount of Transfer \$1,200				
To: Economics - Maintenance, Operation and Equipment				
From: Office of the Dean - Special Equipment (\$600)				
Visiting Lecturers (\$600)				
To provide funds for replacement of a stolen selectric typewriter. (RBC# 4082, 4086)				
<u>Geography</u>				
Interdepartmental Transfer				
40. Amount of Transfer - \$500				
To: Geography - Wages				
From: Office of the Dean - Wages				
To provide funds for personnel to maintain the department's library during the summer. (RBC# 3104)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES (Continued)

Government

Interdepartmental Transfer

41. Amount of Transfer - \$1,100

To: Government - Special Equipment (\$600)
Visiting Lecturers (\$500)

From: Office of the Dean - Special Equipment (\$600)
Visiting Lecturers (\$500)

To provide funds for the purchase of office equipment and to supplement the department's visiting lecturers funds.
(RBC# 2800, 3907)

History

Transfer Between Dissimilar Appropriations

42. Amount of Transfer - \$78

To: Maintenance and Operation

From: Computer Rental and Purchased Service

Funds not needed in the Computer account were reallocated for regular departmental operating expenses.
(RBC# 3904)

Social Science Statistics Laboratory

Transfer of Funds

43. Amount of Transfer - \$1,121

To: Social Science Statistics Laboratory - Classified Personnel

From: Unallocated Classified Personnel

To provide funds to employ one person during the month of July for preparation of computerized materials for Linguistics 310.
(RBC# 3844)

Sociology

Interdepartmental Transfer

44. Amount of Transfer - \$380

To: Sociology - Wages

From: Social Science Statistics Laboratory - Classified Personnel

To provide funds for a half-time clerk-typist during July and August.
(RBC# 3875)

COLLEGE OF NATURAL SCIENCES

Biological Sciences

Transfer Between Dissimilar Appropriations

45. Amount of Transfer - \$133

To: Wages

From: Maintenance and Operation (\$50)
Faculty Salaries (Summer Session) (\$83)

To provide funds for employment of a laboratory assistant to prepare for fall semester biology classes.
(RBC# 4115, 4116)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF NATURAL SCIENCES</u> (Continued)				
<u>Botany</u>				
Transfer Between Dissimilar Appropriations				
46. Amount of Transfer - \$310				
To: Wages				
From: Teaching Assistants				
Reallocation of departmental funds to provide for part-time student assistants needed during the summer. (RBC# 2785)				
Transfer of Funds				
47. Amount of Transfer - \$2,560				
To: Botany - Maintenance and Operation				
From: Unallocated Maintenance and Operation (\$1,000)				
Botany - Computer Rental and Purchased Service (\$227)				
Biological Sciences - Maintenance and Operation (\$1,333)				
To provide funds necessary for departmental operating expenses during the summer. (RBC# 2797, 3861, 4089)				
<u>Computer Sciences</u>				
Resignation				
Instructor				
48. Nell B. Dale (Non-tenure)	1/16 - 5/31	LWOP	9	(\$ 9,500)
Date of Resignation		3/31/73		
(RBC# 2951)				
Transfer Between Dissimilar Appropriations				
49. Amount of Transfer - \$783				
To: Wages				
From: Faculty Salaries (Summer Session)				
Reallocation of funds to provide the department with part-time summer help. (RBC# 3661)				
<u>Geological Sciences</u>				
Transfer of Funds				
50. Amount of Transfer - \$400				
To: Geological Sciences - Visiting Lecturers				
From: Unallocated Teaching Salaries				
To provide funds for the stipends of four visiting lecturers during the spring semester. (RBC# 2727)				
<u>Home Economics</u>				
Interdepartmental Transfer				
51. Amount of Transfer - \$225				
To: Home Economics - Travel				
From: Office of the Dean - Travel				
To provide the Home Economics Department with needed travel funds. (RBC# 3648)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF NATURAL SCIENCES</u> (Continued)				
<u>Mathematics</u>				
Transfer of Funds				
52. Amount of Transfer - \$1,300				
To: Mathematics - Faculty Salaries				
From: Unallocated Teaching Salaries				
To reinstate lapsed faculty salary funds for use during the Spring Semester. (RBC# 2542)				
Transfer Between Dissimilar Appropriations				
53. Amount of Transfer - \$753				
To: Assistants				
From: Teaching Assistants (Summer Session)				
Reallocation of departmental funds to provide additional student assistants needed for the Summer Session. (RBC# 3595)				
54. Amount of Transfer - \$502				
To: Maintenance and Operation				
From: Computation Center Charges				
Unused funds in the computer account were needed for departmental operating expenses during the summer. (RBC# 3945)				
<u>Microbiology</u>				
Interdepartmental Transfer				
55. Amount of Transfer - \$800				
To: Microbiology - Visiting Lecturers				
From: Office of the Dean - Visiting Lecturers (\$400) Biological Sciences - Visiting Lecturers (\$400)				
To provide funds for visiting lecturers in the Department of Microbiology. (RBC# 3108, 3118)				
56. Amount of Transfer - \$1,333				
To: Microbiology - Maintenance and Operation				
From: Biological Sciences - Maintenance and Operation				
To provide the Microbiology Department with needed operating funds. (RBC# 4090)				
57. Amount of Transfer - \$1,880				
To: Microbiology - Special Equipment				
From: Office of the Dean - Special Equipment				
These funds were used to expand the research facilities of Dr. David Gibson. (RBC# 4088)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Physics</u>				
Interdepartmental Transfer				
58. Amount of Transfer - \$268				
To: Physics - Travel				
From: Office of the Dean - Travel				
To provide funds for travel to New York City in connection with a speech concerning The University of Texas Regional Science Advisor Program.				
(RBC# 4085)				
<u>Zoology</u>				
Interdepartmental Transfer				
59. Amount of Transfer - \$1,333				
To: Zoology - Maintenance and Operation				
From: Biological Sciences - Maintenance and Operation				
To provide funds needed by the Zoology Department for operation during the remainder of this fiscal year.				
(RBC# 4091)				
<u>DIVISION OF GENERAL AND COMPARATIVE STUDIES</u>				
<u>Office of the Dean</u>				
Appointment				
Acting Director: Ethnic Studies (Afro-American Program)			Academic	
			<u>Rate</u>	<u>Stipend</u>
60. Geneva Gay	7/16 - 7/31	100	\$ 14,200	\$ 751
Academic Status:				
Assistant Professor (Ethnic Studies) and (Curriculum and Instruction)				
(RBC# 4076)				
Chairman, Comparative Studies				
61. Elspeth D. Rostow	7/16 - 8/31	100	9	17,500
Sources of Funds: Transfers from the Dean's Visiting Lecturers and Consultants account and Unallocated Teaching Salaries				
Academic Status: Associate Professor (Government), (American Studies), and (Comparative Studies)				
(RBC# 4105, 4178, 4075)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>DIVISION OF GENERAL AND COMPARATIVE STUDIES (Continued)</u>				
<u>Office of the Dean (Continued)</u>				
Change of Status				
Director, Health Professions				
62. Donald A. Larson				
To:	6/1 - 7/31	100	9	\$ 16,500
From:	6/1 - 7/15	100	9	16,500
Source of Funds: Transfer from Unallocated Summer Session				
Academic Status: Professor (Botany) (RBC# 3692, 2744)				

Interdepartmental Transfer

63. Amount of Transfer - \$17,750

To: Division of General and Comparative Studies - Marine Studies Program
 From: Division of Natural Resources and Environment - Planning for Marine Studies

For support of Marine Studies teaching at the Marine Science Institute and on the Austin campus.
 (RBC# 2808)

64. Amount of Transfer - \$3,690

To: Dean of General and Comparative Studies -
 Administrative and Professional Salaries (\$751)
 Wages (\$600)
 Maintenance and Operation (\$1,000)
 Travel (\$540)
 Visiting Lecturers and Consultants (\$799)

From: Plan II - Administrative and Professional Salaries (\$751)
 Comparative Studies -
 Wages (\$600)
 Maintenance and Operation (\$1,000)
 Travel (\$540)
 Ethnic Studies - Visiting Lecturers and Consultants (\$799)
 (RBC# 2789, 3840, 3910, 3912, 4083)

Center for Asian StudiesTransfer Between Dissimilar Appropriations

65. Amount of Transfer - \$366

To: Maintenance and Operation
 From: Wages
 (RBC# 3911)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>DIVISION OF GENERAL AND COMPARATIVE STUDIES (Continued)</u>				
<u>Language and Area Center for Latin American Studies</u>				
Change of Status				
Lecturer				
66. Joseph Hodara (Non-tenure)	1/16 - 5/31	37.5	9	\$ 16,000
Change Source of Funds:				
To: General Budget Funds - funds transferred from Unallocated Faculty Salaries				
From: Office of Education Contract Funds (RBC# 3052, 2962, 3379)				
<u>Center for Middle Eastern Studies</u>				
Interdepartmental Transfer				
67. Amount of Transfer - \$775				
To: Center for Middle Eastern Studies - Wages (\$350) Travel (\$425)				
From: Office of the Dean - Classified Personnel (\$350) Travel (\$425)				
(RBC# 3105, 3106, 3843)				
<u>COLLEGE OF BUSINESS ADMINISTRATION</u>				
<u>Office of the Dean</u>				
Appointment				
Social Science Research Associate (Faculty)				
68. Rudolph C. Doenges	7/16 - 8/31	100	9	16,300
Academic Status: Associate Professor (Finance) (RBC# 3147)				
Social Science Research Associate (Faculty)				
69. Douglas S. Longman	7/16 - 8/31	100	9	13,200
Academic Status: Assistant Professor (Marketing Administration) (RBC# 4054, 3137)				
Social Science Research Associate (Faculty)				
70. Gaylord A. Jentz	7/16 - 7/31	100	\$ 22,200	\$ 600
Academic Status: Professor (General Business) (RBC# 3618)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF BUSINESS ADMINISTRATION</u>				
(Continued)				
<u>Office of the Dean (Continued)</u>				
Change of Status				
Placement Director				
71. Roger C. Eickoff				
To:	6/1 - 8/31	100	9	\$ 11,100
From:	6/1 - 7/15	100	9	11,100
Academic Status:				
Instructor (Management)				
(RBC# 2848)				
Resignation				
Assistant to the Dean				
72. Herbert Belcher				
Date of Resignation	9/1 - 8/31	100	12	12,816
(RBC# 4210)	7/31/73			
Transfer Between Dissimilar Appropriations				
73. Amount of Transfer - \$2,000				
To: Maintenance and Operation				
From: Visiting Lecturers				
(RBC# 4114)				
<u>Office of the Dean, College of Business Administration and Office of the Dean of Students</u>				
Change of Status				
74. Reuben R. McDaniel				
To:	Office of the Dean, College of Business Administration Social Science Research Associate (Faculty)	7/16 - 8/31	100	Academic Rate Stipend \$ 16,000 \$ 2,667
From:	Office of the Dean of Students Associate Dean of Students	6/1 - 8/31	100	12 20,500
Academic Status: Assistant Professor (Management) (RBC# 3055, 3033)				
<u>Accounting</u>				
Interdepartmental Transfer				
75. Amount of Transfer - \$3,100				
To: Accounting - Wages (\$300)				
Maintenance and Operation (\$2,800)				
From: Office of the Dean - Dean's Reserve (\$300)				
Maintenance and Operation (\$2,800)				
(RBC# 3103, 4112)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF BUSINESS ADMINISTRATION</u>				
(Continued)				
<u>Finance</u>				
Interdepartmental Transfer				
76. Amount of Transfer - \$2,825				
To: Finance - Wages (\$1,325)				
Maintenance and Operation (\$1,500)				
From: Office of the Dean - Dean's Reserve (\$1,325)				
Maintenance and Operation (\$1,500)				
(RBC# 3714, 3905, 3100)				
<u>General Business</u>				
Transfer Between Dissimilar Appropriations				
77. Amount of Transfer - \$146				
To: General Business Secretarial Center				
From: Maintenance and Operation				
(RBC# 3879)				
<u>Management</u>				
Interdepartmental Transfer				
78. Amount of Transfer - \$1,000				
To: Management - Maintenance and Operation				
From: Office of the Dean - Maintenance and Operation				
(RBC# 3102)				
<u>Marketing Administration</u>				
Transfer Between Dissimilar Appropriations				
79. Amount of Transfer - \$875				
To: Marketing - Wages (\$175)				
Maintenance and Operation (\$700)				
From: Office of the Dean - Dean's Reserve (\$175)				
Maintenance and Operation (\$700)				
(RBC# 3101, 3906)				
<u>SCHOOL OF COMMUNICATION</u>				
<u>Office of the Dean</u>				
Transfer of Funds				
80. Amount of Transfer - \$1,500				
To: Office of the Dean - Maintenance and Operation				
From: Unallocated Maintenance and Operation				
(RBC# 3376)				
<u>COLLEGE OF EDUCATION</u>				
<u>Curriculum and Instruction</u>				
Transfer of Funds				
81. Amount of Transfer - \$700				
To: Curriculum and Instruction - Travel				
From: Unallocated Travel				
(RBC# 3373)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>

COLLEGE OF EDUCATION (Continued)Educational Psychology

Transfer Between Dissimilar Appropriations

82. Amount of Transfer - \$1,512

To: Wages

From: Faculty Salaries (Summer Session)
(RBC# 3122)Health, Physical Education,
and Recreation

Interdepartmental Transfer

83. Amount of Transfer - \$599

To: Health, Physical Education, and Recreation - Wages

From: Physical Instruction - Classified Personnel (\$21)
Wages (\$578)

(RBC# 2804, 2921)

COLLEGE OF ENGINEERINGOffice of the Dean

Transfer of Funds

84. Amount of Transfer - \$3,725

To: Office of the Dean - Visiting Lecturers and Consultants (\$601)
Maintenance and Operation (\$324)
Travel (\$2,800)From: Office of the Dean - Classified Personnel (\$3,124)
Electrical Engineering - Travel (\$601)

(RBC# 2798, 3099, 3943)

Electrical Engineering

Transfer Between Dissimilar Appropriations

85. Amount of Transfer - \$900

To: Maintenance and Operation

From: Classified Personnel (\$742)
Wages (\$158)

(RBC# 3954, 3955)

Mechanical Engineering

Transfer Between Dissimilar Appropriations

86. Amount of Transfer - \$1,577

To: Classified Personnel

From: Administrative and Professional Salaries
(RBC# 2791)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>COLLEGE OF FINE ARTS</u>				
<u>Office of the Dean</u>				
Reappointment				
Assistant Dean				
87. Nelson Patrick	7/16 - 8/31	100	9	\$ 15,000
Source of Funds: Transfer from the Dean's Classified Salaries account				
Previous appointment was at the same rate				
Academic Status: Associate Professor (Music)				
Academic Rate - \$13,900 (RBC# 3780, 3851)				
Transfer of Funds				
88. Amount of Transfer - \$2,156				
To: Office of the Dean - Visiting Lecturers and Consultants (\$1,656) Travel (\$500)				
From: Office of the Dean - Dean's Reserve (\$1,956) Art Department - Travel (\$200) (RBC# 3874, 3908, 4111)				
<u>Art</u>				
Interdepartmental Transfer				
89. Amount of Transfer - \$5,000				
To: Art - Wages (\$4,200) Maintenance and Operation (\$800)				
From: Office of the Dean - Dean's Reserve (RBC# 3590)				
<u>Art Teaching Gallery</u>				
Reappointment				
Chief Curator				
90. Marian B. Davis	6/1 - 7/15	50	\$ 19,500	\$ 1,000
Previous appointment was at the same rate				
Academic Status: Professor (Art) (RBC# 3151)				
<u>SCHOOL OF LAW</u>				
<u>Travis County Legal Aid and Defender Society</u>				
Appointment				
Director, Clinical Legal Education				
91. Cicily J. Simms	6/1 - 8/31	50	12	14,000
Concurrent Employment:				
School of Law				
Lecturer	6/1 - 8/31	50	\$ 14,000	\$ 2,333
(RBC# 3694)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>GRADUATE SCHOOL OF LIBRARY SCIENCE</u>				
Transfer of Funds				
92. Amount of Transfer - \$890				
To: Administrative and Professional Salaries (\$723)				
Faculty Salaries (\$167)				
From: Unallocated Teaching Salaries				
(RBC# 2679)				
<u>COLLEGE OF PHARMACY</u>				
Appointment				
Dean				
93. James T. Doluisio	6/1 - 8/31	100	12	\$ 36,000
(RBC# 3632)				
Resignation				
Assistant to the Dean				
94. Paul F. Davis	9/1 - 8/31	50	12	14,952
Date of Resignation: 6/30/73				
(RBC# 3764)				
Transfer Between Dissimilar Appropriations				
95. Amount of Transfer - \$16,630				
To: Wages (\$9,500)				
Visiting Lecturers and Consultants (\$2,630)				
Maintenance and Operation (\$3,000)				
Travel (\$1,500)				
From: Administrative and Professional Salaries (\$9,830)				
Classified Personnel (\$4,500)				
Teaching Assistants (Summer Session) (\$2,300)				
(RBC# 3117, 3325, 3326, 3327, 3328, 3335)				
<u>GRADUATE SCHOOL OF SOCIAL WORK</u>				
Reappointment				
Acting Dean				
96. Charles W. Laughton, Jr.	6/1 - 8/31	100	9	20,900
Source of Funds: Transfer				
from Unallocated Summer				
Session				
Previous appointment was				
at the same rate				
Academic Status: Professor				
(Graduate School of Social				
Work)				
(RBC# 2908, 2741)				
Transfer of Funds				
97. Amount of Transfer - \$3,526				
To: Graduate School of Social Work - Classified Personnel (\$2,776)				
Maintenance and Operation (\$750)				
From: Unallocated Classified Salaries (\$2,776)				
Unallocated Maintenance and Operation (\$750)				
(RBC# 3374, 3881)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>OFFICE OF THE DEAN OF THE GRADUATE SCHOOL</u>				
Transfer Between Dissimilar Appropriations				
98. Amount of Transfer - \$1,050				
To: Administrative and Professional Salaries				
From: Wages (RBC# 2657)				
<u>STUDENT AND FACULTY EXCHANGE PROGRAM</u>				
<u>Center for Middle Eastern Studies</u>				
Appointment			Academic	
Field Director			<u>Rate</u>	<u>Stipend</u>
99. John A. Williams	6/1 - 8/31	15	\$ 17,000	\$ 867
Source of Funds: Cairo Summer Exchange Program				
Academic Status: Visiting Professor (Art), (History), and (Center for Middle Eastern Studies) (RBC# 3142)				
<u>COMMUNICATION CENTER</u>				
Appointment				
Director of News				
100. Henry A. Anderson	7/1 - 8/31	100	9	\$ 12,000
Source of Funds: Transfer from the Center's Classified Salaries account				
Academic Status: Assistant Professor (Journalism) (RBC# 4059, 3909)				
Transfer of Funds				
101. Amount of Transfer - \$2,619				
To: Communication Center - Maintenance and Operation				
From: Unallocated Maintenance and Operation (RBC# 3127)				
<u>LBJ SCHOOL OF PUBLIC AFFAIRS</u>				
Appointment				
Director of Publications				
102. Robert C. Rooney	6/1 - 8/31	100	12	20,000
(RBC# 3140)				
Reappointment				
Associate Director, Conferences and Training				
103. James F. Russell, Jr.	6/1 - 8/31	100	12	16,980
Previous appointment was at the same rate (RBC# 3160)				
Transfer Between Dissimilar Appropriations				
10 . Amount of Transfer - \$4,500				
To: Maintenance and Operation				
From: Computer Rental and Purchased Services (RBC# 3944)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>LIBRARY</u>				
Change of Status				
Professional Librarian - Special Assistant for Library Automation				
105. Edward A. Eaton, III				
To:	1/1 - 8/31	50	12	\$ 9,000
From:	1/1 - 5/31	50	12	9,000
(RBC# 3044)				
Leave of Absence				
Professional Librarian				
106. George R. Cogswell				
	9/1 - 8/31	100	12	12,700
Term of Leave	7/30 - 8/2			
(RBC# 4118)				
Resignation				
Professional Librarian				
107. Ronald Parsons				
	9/1 - 8/31	50	12	17,000
Date of Resignation	7/31/73			
(RBC# 4117)				
Professional Librarian - Catalog Librarian				
108. Janet Sloniker				
	9/1 - 8/31	100	12	8,328
Date of Resignation	6/30/73			
(RBC# 3968)				
Transfer of Funds				
109. Amount of Transfer - \$89,680				
To:	Library - Wages (\$61,000)			
	Library Binding (\$28,680)			
From:	Library - Administrative and Professional Salaries (\$27,000)			
	Maintenance and Operation (\$49,000)			
	Office of the President - Maintenance and Operation (\$13,680)			
(RBC# 4204, 4205, 4206, 4207)				
<u>Law Library</u>				
Reappointment				
Professional Librarian				
110. Isabella H. Hopkins				
	7/1 - 8/31	100	12	8,712
Previous appointment was at the same rate				
(RBC# 4203)				
Professional Librarian				
111. Donald J. Dunn				
	7/1 - 8/3	100	12	10,020
Previous appointment was at the same rate				
(RBC# 3800)				
Transfer Between Dissimilar Appropriations				
112. Amount of Transfer - \$20,233				
To:	Books, Periodicals, and Binding			
From:	Administrative and Professional Salaries (\$15,141)			
	Wages (\$3,742)			
	Travel (\$1,000)			
	Computation Center Charge (\$350)			
(RBC# 3178, 3832, 3833, 3834, 3835)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH</u>				
<u>Office of Bilingual Education</u>				
Appointment				
Director				
113. George M. Blanco (RBC# 2974)	6/18 - 8/31	100	9	\$ 18,000
Transfer Between Dissimilar Appropriations				
114. Amount of Transfer - \$645				
To: Maintenance, Operation and Equipment				
From: Classified Personnel (RBC# 4199, 4200)				
<u>Bureau of Business Research</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
115. Jerry D. Todd	6/25 - 7/15	100	9	15,300
Source of Funds: Transfer from the Bureau's Classified Salaries Account				
Academic Status: Associate Professor (Finance) (RBC# 3986, 3961)				
<u>Bureau of Engineering Research</u>				
Appointment				
Research Engineer (Faculty)				
116. Joel W. Barlow	7/16 - 8/31	100		Academic Rate Stipend \$ 15,000 \$ 2,500
Academic Status: Assistant Professor (Chemical Engineering) (RBC# 3972)				
Research Engineer (Faculty)				
117. James E. Dailey	6/1 - 7/31 8/1 - 8/31	25 100	9	13,000
Concurrent Employment: Civil Engineering				
Assistant Professor (RBC# 3760, 3759)	6/1 - 7/31	75		Academic Rate Stipend \$ 13,000 \$ 2,166
Transfer Between Dissimilar Appropriations				
118. Amount of Transfer - \$4,933				
To: Administrative and Professional Salaries (\$2,500) Research Engineers and Assistants (\$2,433)				
From: Classified Personnel (\$388) Maintenance and Operation (\$4,545) (RBC# 3838, 3839, 3960)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Center for Communication Research</u>				
Appointment				
119. Jack L. Whitehead, Jr.				
Social Science Research Associate (Faculty)	6/1 - 6/30	100	9	\$ 13,700
Acting Director	7/1 - 8/31	100	9	13,700
Source of Funds: Center's Administrative and Professional Salaries and Transfer from Office of the Dean, School of Communication - Visiting Lecturers and Consultants account.				
Academic Status: Associate Professor (Speech Communication) (RBC# 3288, 3289, 3098)				

Transfer Between Dissimilar Appropriations

120. Amount of Transfer - \$35

To: Wages

From: Travel
(RBC# 4113)Center for Mexican-American Studies

Appointment

Social Science Research Associate (Faculty)

121. Americo Parades

7/16 - 8/31

100

Academic

Rate Stipend

\$ 21,000 \$ 2,500

Academic Status: Professor (English) and (Anthropology) (RBC# 3440)

Reappointment

Assistant Director

122. Jose E. Limon

6/1 - 7/15

50

Twelve Months

Rate Stipend

\$ 12,000 \$ 742

Previous appointments were at the same rate (RBC# 3273)

Transfer of Funds

123. Amount of Transfer - \$1,342

To: Center for Mexican-American Studies -
Administrative and Professional Salaries (\$742)
Wages (\$200)
Maintenance and Operation (\$400)From: Center for Mexican-American Studies -
Faculty Research (\$200)
Dean, Division of General and Comparative Studies -
Classified Personnel (\$742)
Maintenance and Operation (\$400)
(RBC# 2788, 3115, 4110, 4169)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Center for Nuclear Studies</u>				
Transfer Between Dissimilar Appropriations				
124. Amount of Transfer - \$2,017				
To: Maintenance and Operation (\$1,963)				
Travel (\$54)				
From: Administrative and Professional Salaries (\$316)				
Classified Personnel (\$1,468)				
Wages (\$233)				
(RBC# 2810, 2812, 2813, 2922, 3891, 3892, 4106)				
<u>Center for Numerical Analysis</u>				
Transfer Between Dissimilar Appropriations				
125. Amount of Transfer - \$3,445				
To: Administrative and Professional Salaries				
From: Classified Personnel				
(RBC# 3837)				
<u>Center for Relativity Theory</u>				
Transfer Between Dissimilar Appropriations				
126. Amount of Transfer - \$247				
To: Maintenance and Operation				
From: Classified Personnel				
(RBC# 3962)				
<u>Center for Statistical Mechanics and Thermodynamics</u>				
Appointment				
Director				
127. Robert S. Schechter	6/1 - 7/31	25	9	\$ 21,400
Source of Funds: Transfer from the Center's Wages and Maintenance and Operation accounts				
Concurrent Employment:				
Chemical Engineering Professor	6/1 - 7/31	75		
(RBC# 3746, 3680)				
Budget Correction				
Research Scientist Associate V				
128. Andre G. Bellemans	3/1 - 5/31	100	12	20,832
Dr. Bellemans' title and salary rate were in error on his original appointment: See page A-47, Item No. 54, U.T. Austin Docket for the June 1, 1973 Board Meeting (RBC# 2976)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Center for Statistical Mechanics and Thermodynamics (Continued)</u>				
Transfer Between Dissimilar Appropriations				
129. Amount of Transfer - \$1,815				
To: Classified Personnel				
From: Maintenance and Operation (RBC# 3873)				
<u>Center for Structural Studies</u>				
Appointment				
Research Scientist (Faculty)				
130. Manfred Fink	6/1 - 7/31	100	9	\$ 15,000
Source of Funds: Transfer from the Center's Maintenance and Operation account				
Academic Status: Associate Professor (Physics) (RBC# 3274, 3228)				
Transfer Between Dissimilar Appropriations				
131. Amount of Transfer - \$6,164				
To: Classified Personnel				
From: Maintenance and Operation (\$5,364) Computer Rental and Purchased Services (\$800) (RBC# 3233, 3234)				
<u>Central Animal Facility</u>				
Transfer Between Dissimilar Appropriations				
132. Amount of Transfer - \$19,628				
To: Visiting Lecturers and Consultants (\$1,500) Maintenance and Operation (\$3,000) Satellite Facilities (\$15,128)				
From: Administrative and Professional Salaries (\$14,000) Classified Personnel (\$5,628) (RBC# 3836)				
<u>Computation Center</u>				
Resignation				
Research Scientist (Faculty)				
133. Erna H. Pearson	6/1 - 8/31	100	9	11,200
Date of Resignation 5/31/73				
Academic Status: Assistant Professor (Computer Sciences) (RBC# 3155)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Division of Natural Resources and Environment - Bureau of Economic Geology</u>				
Appointment				
Consultant (Faculty)				
134. Keith Young	6/1 - 7/31	100	9	\$ 22,000
Academic Status: Professor (Geological Sciences) (RBC# 3397)				
Transfer Between Dissimilar Appropriations				
135. Amount of Transfer - \$1,097				
To: Wages				
From: Administrative and Professional Salaries (RBC# 3371)				
136. Amount of Transfer - \$6,700				
To: Maintenance and Operation				
From: Travel (RBC# 3575, 3889)				
<u>Division of Natural Resources and Environment - Center for Research in Water Resources</u>				
Appointment				
Project Investigator				
137. William S. Butcher	6/1 - 8/31	100	9	17,000
Source of Funds:				
General Budget Funds: 6/1 - 7/16				
U. S. Department of Interior Contract 7/17 - 8/31				
Academic Status: Associate Professor (Civil Engineering) (RBC# 4141, 4124, 3772)				
Transfer Between Dissimilar Appropriations				
138. Amount of Transfer - \$460				
To: Travel				
From: Library Acquisitions (\$160) Maintenance and Operation (\$300) (RBC# 3236, 3237)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Division of Natural Resources and Environment - Marine Science Institute</u>				
Transfer Between Dissimilar Appropriations				
139. Amount of Transfer - \$8,687				
To: Printing and Investigations (\$2,087)				
Maintenance and Operation (\$6,600)				
From: Classified Personnel (\$6,665)				
Travel (\$1,000)				
Computer Rental and Purchased Service (\$1,022)				
(RBC# 2809, 3193, 3194, 3195)				
<u>Division of Natural Resources and Environment - Marine Science Institute and Civil Engineering</u>				
Appointment				
140. Neal E. Armstrong				
Marine Science Institute				
Acting Director				
	6/1 - 8/31	50	12	\$ 21,600
Source of Funds: Division of Natural Resources and Environment - Planning for Marine Studies Program				
Civil Engineering				
Research Engineer (Faculty)				
	6/1 - 8/31	50	9	16,200
Source of Funds: Inter-agency Contract - Coastal Canal Project				
Academic Status: Associate Professor of Ocean Engineering (Civil Engineering)				
(RBC# 3770, 3559)				
<u>Humanities Research Center</u>				
Reappointment				
Editorial Consultant				
141. John M. Forsman				
	6/1 - 8/31	100	9	12,816
Previous appointment was at the same rate				
(RBC# 3395)				
Transfer of Funds				
142. Amount of Transfer - \$6,420				
To: Humanities Research Center - Maintenance and Operation				
From: Office of the President - Maintenance and Operation (\$1,000)				
Library - Maintenance and Operation (\$3,564)				
Humanities Research Center - Classified Personnel (\$356)				
Travel (\$1,500)				
(RBC# 2722, 3192, 3897, 3898)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Institute of Latin American Studies</u>				
Appointment				
Social Science Research Associate (Faculty)			Academic	
			<u>Rate</u>	<u>Stipend</u>
143. Charles Teller	6/1 - 7/15	100	\$ 11,700	\$ 1,950
Academic Status: Assistant Professor (Sociology) (RBC# 2991)				
Social Science Research Associate (Faculty)				
144. Richard N. Adams	6/1 - 8/31	100	26,000	3,000
Academic Status: Professor (Anthropology) (RBC# 2985)				
Social Science Research Associate (Faculty)				
145. Theodore Andersson	6/1 - 8/31	100	25,000	3,000
Academic Status: Professor (Spanish-Portuguese) (RBC# 2986)				
Social Science Research Associate (Faculty)				
146. Ira Buchler	7/16 - 8/31	100	19,000	2,375
Academic Status: Associate Professor (Anthropology) (RBC# 3816, 3815)				
Social Science Research Associate (Faculty)				
147. Ernest F. Haden	6/1 - 7/15	100	23,000	3,000
Academic Status: Professor (Linguistics) and (French and Italian) (RBC# 2990)				
Social Science Research Associate (Faculty)				
148. Frederick G. Hensey	7/16 - 8/31	100	13,700	1,000
Academic Status: Associate Professor (Spanish and Portuguese) (RBC# 2989)				
Social Science Research Associate (Faculty)				
149. James A. Neely	6/1 - 8/31	100	12,700	1,419
Academic Status: Assistant Professor (Anthropology) (RBC# 3006)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Institute of Latin American Studies (Continued)</u>				
Appointment				
Social Science Research Associate (Faculty)			Academic	
150. Robert Malina	6/1 - 8/31	100	<u>Rate</u>	<u>Stipend</u>
			\$ 16,240	\$ 2,706
Academic Status: Associate Professor (Anthropology) (RBC# 2892)				
Social Science Research Associate (Faculty)				
151. Mildred V. Boyer	6/1 - 8/31	100	18,000	3,000
Sources of Funds:				
General Budget Funds - the Institute's Consultants account			6/1 - 7/15	
Office of Education Contract Funds			7/16 - 8/31	
Academic Status: Professor (Spanish and Portuguese) (RBC# 2987, 2988)				
<u>Learning Disabilities Center</u>				
Interdepartmental Transfer				
152. Amount of Transfer - \$700				
To: Learning Disabilities Center - Classified Personnel				
From: Bureau of Laboratory Schools - Payment to Public Schools (RBC# 2787)				
<u>Anthropological Laboratories</u>				
Transfer Between Dissimilar Appropriations				
153. Amount of Transfer - \$2,033				
To: Wages				
From: Administrative and Professional Salaries (RBC# 2811)				
<u>McDonald Observatory</u>				
Transfer Between Dissimilar Appropriations				
154. Amount of Transfer - \$3,000				
To: Maintenance and Operation				
From: Computation Center Charges (RBC# 3239)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Research in Botany - Herbarium</u>				
Leave of Absence				
Director				
155. Billie L. Turner	6/1 - 8/31	100	9	\$ 25,500
Term of Leave (RBC# 3062)	6/23 - 8/5			
Transfer Between Dissimilar Appropriations				
156. Amount of Transfer - \$390				
To: Wages				
From: Administrative and Professional Salaries (RBC# 3238)				
<u>Research in Texas History</u>				
Appointment				
Director				
157. Joe B. Frantz	7/16 - 8/31	50	9	24,000
Academic Status: Professor (History) (RBC# 4003)				
Change of Status				
Assistant Director				
158. L. Tuffly Ellis				
To:	6/1 - 6/30	100	12	18,156
	8/16 - 8/31	100		
From:	6/1 - 8/31	50	12	18,156
(RBC# 2978, 2979)				
<u>Vertebrate Paleontology Laboratory</u>				
Transfer Between Dissimilar Appropriations				
159. Amount of Transfer - \$41				
To: Classified Personnel				
From: Maintenance and Operation (RBC# 3235)				
<u>University Research Institute</u>				
Appointment				
Research Associate (Faculty)				
160. John Wheat	7/1 - 8/31	50	\$ 10,200	\$ 622
Academic Status: Assistant Professor (Graduate School of Library Science) (RBC# 4193)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ORGANIZED RESEARCH (Continued)</u>				
<u>Texas Petroleum Research Committee</u>				
Transfer Between Dissimilar Appropriations				
161. Amount of Transfer - \$8,421				
To: Maintenance and Operation				
From: Classified Personnel (\$7,477)				
Wages (\$51)				
Travel (\$193)				
Computer Rental and Purchased Service (\$700)				
(RBC# 2724, 3882)				
<u>DIVISION OF EXTENSION</u>				
<u>Extension Teaching and Field Service Bureau</u>				
Resignation				
Instructor				
162. Raphael C. Smith	9/1 - 8/31	100	12	\$ 9,600
Date of Resignation	6/30/73			
(RBC# 3747)				
Transfer Between Dissimilar Appropriations				
163. Amount of Transfer - \$10,000				
To: Maintenance and Operation				
From: Extension Classes and Consultant Services				
(RBC# 4080)				
<u>Industrial and Business Training Bureau</u>				
Transfer Between Dissimilar Appropriations				
164. Amount of Transfer - \$13,828				
To: Part-time Salaries, Conferences, etc. (\$8,328)				
Maintenance and Operation (\$5,500)				
From: Classified Personnel (\$8,328)				
Travel (\$5,500)				
(RBC# 3878, 3947)				
<u>Office of the Dean</u>				
Transfer Between Dissimilar Appropriations				
165. Amount of Transfer - \$8,393				
To: Maintenance and Operation				
From: Classified Personnel (\$5,677)				
Travel (\$2,716)				
(RBC# 3329)				
<u>PHYSICAL PLANT</u>				
<u>Office of the Director of Physical Plant</u>				
Transfer of Funds				
166. Amount of Transfer - \$362				
To: Physical Plant - Travel				
From: Unallocated Travel				
(RBC# 2781)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>PHYSICAL PLANT</u>				
<u>Physical Plant Operation and Maintenance</u>				
Interdepartmental Transfer				
167. Amount of Transfer - \$7,500				
To: Fire Prevention - Maintenance and Operation (\$500)				
Custodial Services - Maintenance and Operation (\$5,000)				
Furniture and Furnishings Shop - Maintenance and Operation (\$2,000)				
From: Building Maintenance-Construction and Maintenance - Maintenance and Operation (\$500)				
Transportation - Maintenance and Operation (\$7,000)				
(RBC# 3196, 3888, 3895)				
<u>University Police Department</u>				
Transfer Between Dissimilar Appropriations				
168. Amount of Transfer - \$11,000				
To: Maintenance and Operation				
From: Classified Personnel				
(RBC# 3576)				
<u>SPECIAL ITEMS</u>				
<u>Texas Memorial Museum</u>				
Leave of Absence				
Research Scientist				
169. Wann Langston, Jr.	9/1 - 8/31	25	12	\$ 18,904
Term of Leave	6/1 - 8/31			
Academic Status: Lecturer				
(Geological Sciences)				
(RBC# 2830)				
Transfer of Funds				
170. Amount of Transfer - \$274				
To: Texas Memorial Museum - Travel				
From: Unallocated Travel				
(RBC# 2580, 2779)				
Transfer Between Dissimilar Appropriations				
171. Amount of Transfer - \$1,181				
To: Classified Salaries				
From: Administrative and Professional Salaries				
(RBC# 3842)				
<u>ACADEMIC DEVELOPMENT PROGRAM</u>				
<u>Germanic Languages</u>				
Interdepartmental Transfer				
172. Amount of Transfer - \$100				
To: Germanic Languages - Academic Development Fund				
From: Fine Arts - College-wide Development Fund				
(RBC# 3852)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ACADEMIC DEVELOPMENT PROGRAM (Continued)</u>				
<u>American Studies</u>				
Appointment			Academic	
Research Associate (Faculty)			<u>Rate</u>	<u>Stipend</u>
173. Robert Crunden	6/1 - 8/31	100	\$ 15,000	\$ 850
Academic Status: Associate Professor (History) (RBC# 3614)				
Director, American Studies Program				
174. William H. Goetzmann	6/1 - 8/31	100	33,000	6,000
Academic Status: Professor (History), Stiles Professor of American Studies (RBC# 3556)				
Social Science Research Associate (Faculty)				
175. Timothy H. Thoresen	6/1 - 6/30	100	11,200	750
Academic Status: Assistant Professor (American Studies) (RBC# 3615)				
Research Associate (Faculty)				
176. William M. Stott	7/16 - 8/31	100	11,200	1,000
Academic Status: Assistant Professor (American Studies) (RBC# 3612)				
<u>College of Business Administration</u>				
Appointment				
Social Science Research Associate (Faculty)				
177. William H. Cunningham	7/16 - 7/31	100	14,000	200
Academic Status: Assistant Professor (Marketing Administration) (RBC# 3926)				
Social Science Research Associate (Faculty)				
178. Russell M. Moore	7/1 - 7/15	100	13,700	200
Academic Status: Assistant Professor (Marketing Administration) (RBC# 3925)				
<u>Accounting</u>				
Appointment				
Assistant Professor				
179. Michael H. Granof	7/16 - 8/31	100	14,200	2,366
(RBC# 3048)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ACADEMIC DEVELOPMENT PROGRAM (Continued)</u>				
<u>Accounting (Continued)</u>				
Appointment			Academic	
Assistant Professor			<u>Rate</u>	<u>Stipend</u>
180. Michael L. Moore (RBC# 3050)	7/16 - 8/31	100	\$ 14,300	\$ 2,383
<u>Finance</u>				
Appointment			Academic	
Assistant Professor			<u>Rate</u>	<u>Stipend</u>
181. Robert C. Witt (RBC# 2845)	6/1 - 7/15	100	9	13,500
Social Science Research Associate (Faculty)			<u>Rate</u>	<u>Stipend</u>
182. William F. Rentz	7/16 - 8/31	100	14,700	1,000
Academic Status: Assistant Professor (Finance) (RBC# 3619)				
<u>General Business</u>				
Appointment			Academic	
Assistant Professor			<u>Rate</u>	<u>Stipend</u>
183. Doris B. Looney (RBC# 2829)	6/1 - 7/15	100	10,200	1,700
Instructor			<u>Rate</u>	<u>Stipend</u>
184. Melba J. Nutt (RBC# 2843)	6/1 - 7/15	100	9,000	1,500
<u>Marketing Administration</u>				
Appointment			Academic	
Associate Professor			<u>Rate</u>	<u>Stipend</u>
185. Robert E. Witt (RBC# 2847)	7/16 - 8/31	100	9	16,100
<u>Office of the Dean, School of Communication</u>				
Appointment			Academic	
Social Science Research Associate (Faculty)			<u>Rate</u>	<u>Stipend</u>
186. Michael Chial	7/16 - 8/24	67	9	11,700
Academic Status: Assistant Professor (Speech Communication) (RBC# 4176)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ACADEMIC DEVELOPMENT PROGRAM (Continued)</u>				
<u>African and Afro-American Research Institute</u>				
Change of Status				
Assistant Director				
187. Richard L. Wright				
To:	9/1 - 5/31	50	12	\$ 12,000
	7/16 - 8/31	50		
From:	9/1 - 8/31	50	12	12,000
Concurrent Employment:				
Ethnic Studies				
Assistant Instructor	9/1 - 5/31	50	9	11,200
(RBC# 2595, 2839)				
<u>Center for Asian Studies</u>				
Appointment			Academic	
Director			Rate	Stipend
188. F. Tomasson Jannuzi	7/16 - 8/31	100	\$ 18,500	\$ 3,000
Academic Status:				
Lecturer (Economics)				
(RBC# 3154)				
Social Science Research				
Associate (Faculty)				
189. Jeanette Faurot	6/1 - 7/15	100	9,700	1,000
Academic Status: Instructor				
(Oriental and African Languages and Literatures) and (Center for Asian Studies)				
(RBC# 2948)				
Social Science Research				
Associate (Faculty)				
190. Gail M. Minault	6/1 - 7/15	50	11,500	1,000
Academic Status: Assistant Professor (1972-73 Only)				
(Center for Asian Studies)				
(RBC# 2842)				
<u>Center for Intercultural Studies in Folklore and Oral History</u>				
Appointment			Full-time Salary	
Director			Rate	
191. Richard Bauman	6/1 - 7/15	100	9	14,900
Academic Status: Associate Professor (Anthropology)				
(RBC# 2952)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>ACADEMIC DEVELOPMENT PROGRAM (Continued)</u>				
<u>Division of Research in Transportation</u>				
Appointment				
Research Associate (Faculty)				
192. Gene A. Burd	6/1 - 8/31	33	9	\$ 13,500
Source of Funds: Academic Development Funds - Council for Advanced Transportation Studies account				
Academic Status: Assistant Professor (Journalism) (RBC# 4125)				

Academic Development Program - Allotment Account

Transfer of Funds

193. Transfers were made from the Academic Development Program Allotment Account to the academic areas as listed below:

- (1) School of Architecture (\$1,500)
 - (2) Department of Psychology (\$500)
 - (3) Division of General and Comparative Studies (\$4,020)
 - (4) College of Education (\$2,300)
 - (5) College of Fine Arts (\$625)
- (RBC# 3880, 2794, 3950, 3382, 3948, 3109, 3949)

SPONSORED PROJECTS

International Office

Appointment

Coordinator of Program

194. John A. Walter	7/16 - 8/31	100	9	17,500
---------------------	-------------	-----	---	--------

Source of Funds:
International Office
Contract Funds

Academic Status:
Professor (English)
(RBC# 4213)

Assistant Professor

195. Ora A. Bennett	7/16 - 8/31	100	9	10,200
---------------------	-------------	-----	---	--------

Source of Funds:
International Office
Contract Funds

Academic Status: Assistant Professor (Speech Communication)
(RBC# 4172)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>International Office (Continued)</u>				
Appointment				
Coordinator of Program				
196. Martin T. Todaro	7/16 - 8/31	100	9	\$ 12,200
Source of Funds: International Office Contract Funds				
Academic Status: Associate Professor (Speech Communications) (RBC# 4171)				
Associate Director				
197. Robert C. Jeffrey	7/16 - 8/31	50	9	22,500
Source of Funds: International Office Contract Funds				
Academic Status: Professor (Speech Communication) (RBC# 4173)				
Assistant Instructor				
198. Alfred N. Hunt	7/16 - 8/31	100	9	8,000
Source of Funds: International Office Contract Funds (RBC# 4212, 4211)				
<u>School of Architecture</u>				
Appointment				
Social Science Research Associate (Faculty)				
199. Terry D. Kahn	6/1 - 7/15	100	9	12,200
Source of Funds: Grant for Regional Implementation of the Texas Housing Survey				
Academic Status: Assistant Professor (School of Architecture) (RBC# 3979)				
Social Science Research Associate (Faculty)				
200. Sandra Rosenbloom	6/1 - 8/31	100	9	11,000
Source of Funds: Texas Public Transportation Research Project				
Academic Status: Assistant Professor (School of Architecture) (RBC# 3220)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>School of Architecture (Continued)</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
201. Robert D. Copeland	6/1 - 8/31	50	9	\$ 12,700
Source of Funds: National Endowment for the Humanities Grant				
Academic Status: Assistant Professor (School of Architecture) (RBC# 4028)				
Social Science Research				
Associate (Faculty)				
202. Milka T. Bliznakov	6/1 - 7/15	100	9	15,000
Source of Funds: National Endowment for the Humanities Grant				
Academic Status: Visiting Associate Professor (School of Architecture) (RBC# 4025)				
<u>Economics</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
203. David A. Kendrick	6/1 - 7/31	100	9	24,000
Source of Funds: NSF Grant				
Academic Status: Professor (Economics) (RBC# 2861)				
Social Science Research				
Associate (Faculty)				
204. Alfred L. Norman	6/1 - 7/31	100	9	14,000
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Economics) (RBC# 3008)				
<u>Geography</u>				
Appointment				
Co-principal Investigator				
205. Robert K. Holz	7/16 - 8/31	100	9	15,800
Source of Funds: NASA Contract				
Academic Status: Associate Professor (Geography) (RBC# 4167)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Government</u>				
Appointment				
Social Science Research Associate (Faculty)			Academic	
206. Norman Frohlich	6/1 - 7/31	100	<u>Rate</u>	<u>Stipend</u>
			\$ 12,300	\$ 2,688
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Government) (RBC# 3317)				
Research Associate (Faculty)				
207. Oran R. Young	6/1 - 7/31	100	9	23,000
Source of Funds: NSF Grant				
Academic Status: Professor (Government) (RBC# 3202)				
Social Science Research Associate (Faculty)			Academic	
208. Joe A. Oppenheimer	6/1 - 7/31	100	<u>Rate</u>	<u>Stipend</u>
			12,300	2,688
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Government) (RBC# 3206)				
<u>Linguistics</u>				
Appointment				
Humanities Research Associate (Faculty)			Academic	
209. David B. Cohen	6/1 - 6/30	100	<u>Rate</u>	<u>Stipend</u>
			12,200	1,278
Source of Funds: USPHS Contract				
Academic Status: Assistant Professor (Psychology) (RBC# 3985)				
Principal Investigator (Faculty)				
210. P. Stanley Peters, Jr.	6/1 - 7/31	100	9	16,000
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Linguistics) (RBC# 3212)				
<u>Psychology</u>				
Appointment				
Research Associate (Faculty)			Academic	
211. Donald Foss	7/16 - 8/31	100	<u>Rate</u>	<u>Stipend</u>
			9	15,300
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Psychology) (RBC# 3319)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Psychology (Continued)</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
212. Delbert D. Thiessen	6/1 - 8/31	100	9	\$ 23,000
Source of Funds: USPHS Contract				
Academic Status: Professor (Psychology) (RBC# 3007)				
Social Science Research				
Associate (Faculty)				
213. Devendra Singh	6/1 - 6/30	100	9	16,300
Source of Funds: Weight Watchers Foundation Grant				
Academic Status: Associate Professor (Psychology) (RBC# 4187)				
Social Science Research				
Associate (Faculty)				
214. Walter G. Stephan	6/1 - 7/31	100	9	11,700
Source of Funds: USPHS Contract				
Academic Status: Assistant Professor (Psychology) (RBC# 3739)				
Social Science Research				
Associate (Faculty)				
215. Philip Gough	6/1 - 7/31	100	9	18,000
Source of Funds: NSF Grant				
Academic Status: Professor (Psychology) (RBC# 3304)				
Social Science Research				
Associate (Faculty)				
216. David C. Glass	6/1 - 7/31	100	9	27,000
Source of Funds: NSF Grant				
Academic Status: Professor (Psychology) (RBC# 2893)				
Social Science Research				
Associate (Faculty)				
217. Abram Amsel	6/1 - 7/31	100	9	31,000
Source of Funds: NSF Grant				
Academic Status: Professor (Psychology) (RBC# 3268)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Psychology (Continued)</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
218. Elliot Aronson	6/1 - 7/31	100	9	\$ 31,000
Source of Funds: NSF Grant				
Academic Status:				
Professor (Psychology)				
(RBC# 4002, 2984)				
Social Science Research				
Associate (Faculty)				
219. Arnold Buss	6/1 - 6/30	53	9	24,500
Source of Funds:				
USPHS Contract				
Academic Status:				
Professor (Psychology)				
(RBC# 4154)				
Social Science Research				
Associate (Faculty)				
220. Robert Wicklund	6/1 - 7/31	100	9	12,200
Source of Funds: NSF Grant				
Academic Status: Assistant				
Professor (Psychology)				
(RBC# 2981)				
Research Associate (Faculty)				
221. Lee Willerman	7/1 - 8/31	100	9	13,700
Source of Funds: NSF Grant				
Academic Status: Assistant				
Professor (Psychology)				
(RBC# 4039)				
Research Associate (Faculty)				
222. David Hakes	6/1 - 8/31	100	9	12,700
Source of Funds: Office				
of Education Contract				
Academic Status: Associate				
Professor (Psychology)				
(RBC# 3225)				
Social Science Research				
Associate (Faculty)				
223. Martin Manosevitz	7/1 - 8/31	100	9	18,000
Source of Funds:				
USPHS Contract				
Academic Status: Associate				
Professor (Psychology)				
(RBC# 3447)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Sociology</u>				
Appointment				
Project Director				
224. Norval D. Glenn	6/1 - 6/30 8/15 - 8/31	100 100	9	\$ 20,600
Source of Funds: NSF Grant				
Academic Status:				
Professor (Sociology)				
(RBC# 3298, 3299)				
Project Director				
225. Daniel O. Price	6/1 - 7/31	100	9	28,500
Source of Funds:				
USPHS Contract				
Academic Status:				
Professor (Sociology)				
(RBC# 3827, 3279)				
<u>Astronomy</u>				
Appointment				
Research Scientist (Faculty)				
226. Bruce T. Ulrich	6/1 - 6/30	100	9	13,700
Source of Funds:				
NASA Contract				
Academic Status:				
Assistant Professor				
(Physics) and (Astronomy)				
(RBC# 3743)				
Research Scientist (Faculty)				
227. Thomas G. Barnes, III				
NASA Contract Funds	6/1 - 7/15	100	9	13,000
NSF Contract Funds	7/16 - 8/31	50	9	13,000
Concurrent Employment:			Academic	
Astronomy			<u>Rate</u>	<u>Stipend</u>
Assistant Professor	7/16 - 8/31	50	\$ 13,000	\$ 1,083
(RBC# 3570, 3571)				
Research Scientist (Faculty)				
228. Michel Breger	6/1 - 7/31 8/1 - 8/31	25 100	9	13,500
Source of Funds: NSF Grant				
Concurrent Employment:				
Astronomy				
Assistant Professor	6/1 - 7/31	75	<u>13,500</u>	<u>2,250</u>
(RBC# 3260, 3261)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Astronomy (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
229. Frank N. Bash	6/1 - 7/31	100	9	\$ 14,500
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Astronomy) (RBC# 3776)				
Director (Faculty)				
230. James D. Douglas	6/1 - 8/31	100	9	19,500
Sources of Funds:				
NSF Grant	6/1 - 6/30			
NASA Contract	7/1 - 8/31			
Academic Status: Professor (Astronomy) (RBC# 4020, 3306)				
Research Scientist (Faculty)				
231. David S. Evans	6/1 - 6/30	100	9	22,300
Source of Funds: NSF Grant				
Academic Status: Professor (Astronomy) (RBC# 3765)				
Research Scientist (Faculty)				
232. Derek Wills	6/1 - 7/31	100	9	13,700
Sources of Funds: NSF Grants				
Academic Status: Assistant Professor (Astronomy) (RBC# 3705, 3740)				
Research Scientist (Faculty)				
233. David L. Lambert	6/1 - 8/31	100	9	15,900
Sources of Funds:				
NASA Contracts	6/1 - 7/31			
NSF Contract	8/1 - 8/31			
Academic Status: Associate Professor (Astronomy) (RBC# 3754, 3753, 4182, 4183)				
Reappointment				
Special Research Associate				
234. James D. Wray	7/1 - 7/31	100	12	19,860
Source of Funds: NASA Contract				
Previous appointment was at the same rate (RBC# 4040)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Astronomy and Center for Nuclear Studies</u>				
Appointment				
Research Scientist (Faculty)				
235. W. David Arnett				
Center for Nuclear Studies	7/1 - 7/31	100	9	\$ 18,000
Astronomy	8/1 - 8/31	100	9	18,000
Sources of Funds: NSF Grants				
Academic Status: Associate Professor (Astronomy)				
(RBC# 3799, 3558)				
<u>Astronomy and Electrical Engineering Research Laboratory</u>				
Appointment				
236. Paul A. VandenBout				
Astronomy - NASA Grant Funds				
Research Scientist (Faculty)	6/16 - 6/30	100	9	14,400
Electrical Engineering				
Research Laboratory				
Consultant	6/1 - 6/30	---	9	(14,400)
	8/1 - 8/31	---	9	(14,400)
Research Scientist (Faculty)	7/1 - 7/31	100	9	14,400
Academic Status: Assistant Professor (Astronomy)				
(RBC# 3771, 2897, 2898)				
<u>Botany</u>				
Appointment				
Director (Faculty)				
237. Max D. Summers				
	6/1 - 8/31	100	9	13,200
Source of Funds: USPHS Contracts				
Academic Status: Assistant Professor (Botany)				
(RBC# 3735, 3736)				
Director (Faculty)				
238. Garry T. Cole				
	6/1 - 7/31	100	9	11,700
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Botany)				
(RBC# 4021)				
Director (Faculty)				
239. Marshall C. Johnston				
	6/1 - 7/13	100	9	17,000
Source of Funds: NSF Grant				
Academic Status: Professor (Botany)				
(RBC# 3000)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Botany, Research in Botany - Herbarium, and Electronics Research Center</u>				
Appointment				
Research Scientist (Faculty)				
240. Robert H. Flake	6/1 - 8/31	100	9	\$ 14,700
Botany - NSF Grant Funds	6/1 - 6/30			
Research in Botany-Herbarium - General Budget Funds	7/1 - 7/31			
Electronics Research Center - U.S. Air Force Contract Funds	8/1 - 8/31			
Academic Status:				
Associate Professor				
(Electrical Engineering)				
(RBC# 3758, 3063, 4029)				
<u>Chemistry</u>				
Appointment				
Research Scientist (Faculty)				
241. Charles G. Wade				
NIH Grant Funds	6/1 - 6/30	100	9	11,700
NSF Grant Funds	7/1 - 7/31	100	9	11,700
Current Restricted Funds - Welch Foundation Grant Funds	8/1 - 8/31	100		
			<u>Academic Rate</u>	<u>Stipend</u>
			\$ 11,700	\$ 1,250
Academic Status:				
Professor (Chemistry)				
(RBC# 3226, 3227, 3141, 4192)				
Project Director				
242. Gilbert H. Ayres	6/1 - 7/15	100	9	21,000
Source of Funds: NSF Grant				
Academic Status:				
Professor (Chemistry)				
(RBC# 3775)				
Director (Faculty)				
243. Allen J. Bard	6/1 - 7/31	25	9	22,700
	8/1 - 8/31	100		
Source of Funds: NSF Grant				
Concurrent Employment:				
Chemistry			<u>Academic Rate</u>	<u>Stipend</u>
Professor	6/1 - 7/31	75	22,700	3,000
(RBC# 3384, 3385)				
Project Director				
244. George W. Watt	6/1 - 8/31	100	9	28,000
Source of Funds: Atomic Energy Commission Contract				
Academic Status:				
Professor (Chemistry)				
(RBC# 3060)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Chemistry (Continued)</u>				
Appointment				
Project Director (Faculty)				
245. William C. Gardiner, Jr.	6/1 - 8/31	50	9	\$ 16,000
Source of Funds:				
U.S. Army Contract				
Concurrent Employment:				
Chemistry				
Professor	6/1 - 8/31	50		
(RBC# 4120, 3761)				
				Academic
				<u>Rate</u> <u>Stipend</u>
				\$ 16,000 \$ 2,666
Research Scientist (Faculty)				
246. Rowland Pettit	6/1 - 8/31	100	9	30,500
Sources of Funds:				
NSF Grant	6/1 - 6/30			
U.S. Army Contract	7/1 - 7/31			
Current Restricted Funds -				
American Chemical Society				
Petroleum Research Fund	8/1 - 8/31			
Academic Status:				
Professor (Chemistry)				
(RBC# 3161, 3277, 3278)				
<u>Computer Sciences</u>				
Appointment				
Research Scientist (Faculty)				
247. David R. Musser	6/1 - 7/31	100	9	13,200
Source of Funds: NSF Grant				
Academic Status: Assistant				
Professor (Computer Sciences)				
(RBC# 3451)				
<u>Computer Sciences and Mathematics</u>				
Appointment				
Research Scientist (Faculty)				
248. William H. Henneman				
Computer Sciences	6/1 - 7/31	25	9	13,200
Mathematics	8/1 - 8/31	100	9	13,200
Sources of Funds: NSF Grants				
Concurrent Employment:				
Computer Sciences				
Assistant Professor	6/1 - 7/31	75		
(RBC# 3240, 3321)				
				Academic
				<u>Rate</u> <u>Stipend</u>
				13,200 2,200

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Computer Sciences and Electronics Research Center</u>				
Appointment				
Research Engineer (Faculty)				
249. Raymond T. Yeh				
Computer Sciences - NSF Grant Funds	6/1 - 8/31	50	9	\$ 17,500
Electronics Research Center - U.S. Air Force Contract Funds	6/1 - 8/31	50	9	17,500
Academic Status: Associate Professor (Computer Sciences) (RBC# 2980, 4194, 3630)				
<u>Geological Sciences</u>				
Appointment				
Principal Investigator (Faculty)				
250. Victor R. Baker				
Source of Funds: NASA Contract	6/1 - 7/31	100	9	11,700
Academic Status: Assistant Professor (Geological Sciences) (RBC# 3256)				
Principal Investigator (Faculty)				
251. Daniel S. Barker				
Source of Funds: NSF Grant	6/1 - 7/31	100	9	16,500
Academic Status: Professor (Geological Sciences) (RBC# 3675)				
Principal Investigator (Faculty)				
252. Robert E. Boyer				
Source of Funds: NSF Grant	6/23 - 8/31	100	9	23,000
Academic Status: Professor (Geological Sciences) (RBC# 3272)				
Principal Investigator (Faculty)				
253. Stephen E. Clabaugh				
Source of Funds: NASA Contract	6/1 - 6/30	100	9	23,500
Academic Status: Professor (Geological Sciences) (RBC# 3270)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Geological Sciences (Continued)</u>				
Appointment				
Principal Investigator (Faculty)				
254. Leon E. Long	6/1 - 7/31	100	9	\$ 16,000
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Geological Sciences) (RBC# 3978)				
Principal Investigator (Faculty)				
255. Earle F. McBride	8/1 - 8/11	100		
Source of Funds: NSF Grant				
Academic Status: Professor (Geological Sciences) (RBC# 4160)				
			<u>Academic Rate</u>	<u>Stipend</u>
			\$ 20,000	\$ 741
<u>Mathematics</u>				
Appointment				
Research Scientist (Faculty)				
256. Galen L. Seever	6/1 - 7/31	100	9	16,500
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Mathematics) (RBC# 3683)				
Research Scientist (Faculty)				
257. John E. Gilbert	6/1 - 7/31	100	9	19,000
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Mathematics) (RBC# 3980)				
Research Scientist (Faculty)				
258. Joe W. Fisher	6/1 - 7/31	100	9	13,200
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Mathematics) (RBC# 3990)				
Research Scientist (Faculty)				
259. Simon J. Bernau	6/1 - 7/15	100	9	19,000
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Mathematics) (RBC# 2710)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Mathematics (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
260. Woodrow W. Bledsoe	7/1 - 8/31	100	9	\$ 25,000
Sources of Funds:				
USPHS Contract	7/1 - 7/31			
NSF Grant	8/1 - 8/31			
Academic Status:				
Professor (Mathematics)				
(RBC# 4168, 4023)				
Research Scientist				
261. William T. Eaton	6/1 - 7/31	100	9	16,700
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Mathematics)				
(RBC# 3984)				
Research Scientist (Faculty)				
262. Stephen J. McAdam	6/1 - 7/31	100	9	13,700
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Mathematics)				
(RBC# 3295)				
<u>Microbiology</u>				
Appointment				
Director				
263. Orville Wyss	6/1 - 8/31	100	9	26,000
Source of Funds:				
USPHS Contract				
Academic Status:				
Professor (Microbiology)				
(RBC# 4175)				
Research Scientist (Faculty)				
264. Charles F. Earhart	6/1 - 6/30	100	9	12,700
Source of Funds: NIH Grant				
Academic Status: Assistant Professor (Microbiology)				
(RBC# 3826)				
Research Scientist (Faculty)				
265. L. Joe Berry	6/1 - 7/31	100	9	30,000
Source of Funds: NIH Grant				
Academic Status:				
Professor (Microbiology)				
(RBC# 4022)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Microbiology (Continued)</u>				
Appointment				
Research Scientist (Faculty 266. Henry R. Bose, Jr.	7/16 - 8/31	100	9	\$ 13,200
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Microbiology) (RBC# 4140)				
Research Scientist (Faculty) 267. Leonard J. Rode	6/1 - 7/31	100	9	14,700
Source of Funds: NSF Grant				
Academic Status: Associate Professor (Microbiology) (RBC# 3211)				
Salary Increase				
Research Scientist (Faculty) 268. James R. Walker				
To:	6/1 - 8/31	100	12	25,000
From:	6/1 - 8/31	100	12	<u>24,417</u>
Rate Increase			<u>12</u>	<u>583</u>
Source of Funds: USPHS Career Development Award				
Academic Status: Associate Professor (Microbiology) (RBC# 3412)				
<u>Physics</u>				
Appointment				
Research Scientist (Faculty) 269. Peter R. Antoniewicz	6/1 - 8/31	100	9	13,700
Sources of Funds:				
U.S. Navy Contract	6/1 - 6/30			
NSF Grant	7/1 - 8/31			
Academic Status: Associate Professor (Physics) (RBC# 3271, 4161)				
Research Scientist (Faculty) 270. Leonard Kleinman	6/1 - 7/31	100	9	22,500
Source of Funds: U.S. Air Force Contract				
Academic Status: Professor (Physics) (RBC# 3455)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Physics (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
271. Robert N. Little, Jr.	6/1 - 8/31	100	9	\$ 19,500
Source of Funds: NSF Grant				
Academic Status:				
Professor (Physics)				
(RBC# 3224)				
Research Scientist (Faculty)				
272. William D. McCormick	6/1 - 6/30	100	9	14,200
Source of Funds:				
U.S. Navy Contract				
Academic Status: Associate				
Professor (Physics)				
(RBC# 3448)				
Principal Investigator				
273. Frederick A. Matsen				
NSF Grant	6/1 - 7/31	50	9	28,500
	8/1 - 8/31	100		
			Academic	
			Rate	Stipend
Current Restricted - Welch	6/1 - 7/31	50	28,500	2,500
Foundation Grant				
Academic Status: Professor				
(Physics) and (Chemistry)				
(RBC# 3159, 3287, 3281)				
Research Scientist (Faculty)				
274. Walter E. Millett	6/1 - 6/30	50	9	15,500
	8/1 - 8/31	50		
Source of Funds: NSF Grant				
Academic Status:				
Professor (Physics)				
(RBC# 3282, 3283)				
<u>Zoology</u>				
Appointment				
Director				
275. Robert K. Selander	6/1 - 7/31	100	9	19,500
Source of Funds: NSF Grant				
Academic Status:				
Professor (Zoology)				
(RBC# 3784)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Zoology (Continued)</u>				
Appointment			Academic	
Project Director			<u>Rate</u>	<u>Stipend</u>
276. Bobby G. Sanders	8/1 - 8/31	100	\$ 18,500	\$ 1,250
Source of Funds: Welch Foundation Grant				
Academic Status: Associate Professor (Zoology) (RBC# 4053)				
Project Director				
277. H. Eldon Sutton	6/1 - 8/31	100	9	24,000
Source of Funds: USPHS Contract				
Academic Status: Professor (Zoology) (RBC# 3294)				
Professor				
278. Marshall R. Wheeler	6/1 - 6/30	100	9	19,500
Source of Funds: USPHS Contract (RBC# 4216)				
Research Scientist (Faculty)				
279. Ronny C. Woodruff	7/16 - 8/31	100	9	12,000
Source of Funds: USPHS Contract				
Academic Status: Assistant Professor (Zoology) (RBC# 3828)				
Director (Faculty)				
280. Hugh S. Forrest	6/1 - 6/30	100	9	22,500
Source of Funds: USPHS Contract				
Academic Status: Professor (Zoology) (RBC# 3301)				
Project Director				
281. Gary Freeman	8/1 - 8/31	100	9	16,500
Source of Funds: USPHS Contract				
Academic Status: Associate Professor (Zoology) (RBC# 3300)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Zoology (Continued)</u>				
Appointment				
Project Director				
282. George D. Bittner	7/16 - 8/31	100	9	\$ 13,200
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Zoology) (RBC# 3257)				
Project Director				
283. W. Frank Blair	6/1 - 7/31	100	9	25,000
Source of Funds: NSF Grant				
Academic Status: Professor (Zoology) (RBC# 3067)				
Director (Faculty)				
284. Franklin H. Bronson	6/1 - 8/31	100	9	20,500
Source of Funds: USPHS Contract				
Academic Status: Professor (Zoology) (RBC# 3066)				
Project Director (Faculty)				
285. Guy L. Bush	6/1 - 8/31	100	9	15,000
Source of Funds: USPHS Contract				
Academic Status: Associate Professor (Zoology) (RBC# 2998)				
Director (Faculty)				
286. Terrell H. Hamilton	6/1 - 8/31	100	9	20,500
Source of Funds: USPHS Contract				
Academic Status: Professor (Zoology) (RBC# 3305)				
Director (Faculty)				
287. Antone G. Jacobson	6/1 - 8/31	100	9	20,500
Source of Funds: USPHS Contract				
Academic Status: Professor (Zoology) (RBC# 3302)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Zoology (Continued)</u>				
Appointment				
Project Director				
288. Burke H. Judd	7/1 - 8/31	100	9	\$ 20,000
Source of Funds: NSF Grant				
Academic Status:				
Professor (Zoology)				
(RBC# 4011)				
Project Director (Faculty)				
289. James L. Larimer	6/1 - 8/31	100	9	20,000
Source of Funds:				
USPHS Contract				
Academic Status:				
Professor (Zoology)				
(RBC# 2960)				
Research Scientist (Faculty)				
290. Chong S. Lee	6/1 - 7/31	100	9	13,500
Source of Funds: NSF Grant				
Academic Status: Assistant				
Professor (Zoology)				
(RBC# 2967)				
Project Director				
291. Walter K. Long	6/1 - 8/31	71	9	19,000
Source of Funds:				
USPHS Contract				
Academic Status:				
Lecturer (Zoology)				
(RBC# 3244)				
Project Director				
292. Eric R. Pianka	6/1 - 7/31	100	9	15,500
Source of Funds: NSF Grant				
Academic Status: Associate				
Professor (Zoology)				
(RBC# 3058)				
Director (Faculty)				
293. Edward L. Powers	6/1 - 8/14	100	9	27,000
Source of Funds: Atomic				
Energy Commission Contract				
Academic Status:				
Professor (Zoology)				
(RBC# 2971)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Zoology (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
294. Jose R. Perez-Polo	5/1 - 5/31	100	9	\$ 14,000
	7/16 - 8/31	100		
Source of Funds: USPHS Contract				
Academic Status: Assistant Professor (Zoology) (RBC# 3975, 3280)				
Reappointment				
Research Executive Director				
295. Orié L. Loucks	7/1 - 8/31	100	12	26,268
Source of Funds: NSF Grant				
Previous appointment was at the same rate (RBC# 3005)				
<u>General Business</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
296. Michael A. Duggan	6/1 - 7/15	100		
Source of Funds: NSF Grant				
Academic Status: Professor (General Business) (RBC# 3677)				
<u>Journalism</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
297. Ralph D. Vance	7/16 - 8/31	100	12	10,800
Source of Funds: U.S. Air Force Contract				
Academic Status: Assistant Professor (Journalism)				
Academic Rate: \$12,000 (RBC# 4138)				
Principal Investigator				
298. Ernest A. Sharpe	6/1 - 7/15	100	9	19,500
Source of Funds: U.S. Air Force Contract				
Academic Status: Professor (Journalism) (RBC# 3745)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Journalism (Continued)</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
299. Richard S. Kahan	7/16 - 8/31	100	9	\$ 13,200
Source of Funds:				
USPHS Contract				
Academic Status: Associate				
Professor (Journalism)				
(RBC# 4122)				
Reappointment				
Director, Graduate Program in				
Mental Health Information				
300. DeWitt C. Reddick	7/1 - 7/31	100		Academic Rate \$ 25,000 Stipend \$ 2,333
Source of Funds:				
USPHS Contract				
Academic Status: Jesse H.				
Jones Professor (Journalism)				
(RBC# 4035)				
<u>Office of the Dean, College of Education</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
301. Joe L. Frost	6/1 - 8/31	100	9	14,400
Source of Funds: TEA Texas				
Teacher Center Project				
Academic Status:				
Associate Professor				
(Curriculum and Instruction)				
(RBC# 3991)				
Social Science Research				
Associate (Faculty)				
302. William L. Rutherford	6/1 - 8/31	100	9	14,400
Source of Funds: TEA Texas				
Teacher Center Project				
Academic Status:				
Associate Professor				
(Curriculum and Instruction)				
(RBC# 3994)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Cultural Foundations of Education</u>				
Appointment				
Social Science Research Associate (Faculty)			Academic	
			<u>Rate</u>	<u>Stipend</u>
303. Douglas E. Foley	6/1 - 7/31	100	\$ 12,600	\$ 2,700
Source of Funds: Office of Education Contract				
Academic Status: Assistant Professor (Cultural Foundations of Education) (RBC# 3314)				
<u>Curriculum and Instruction</u>				
Appointment				
Assistant Professor				
304. Jo A. K. Bussey	6/1 - 8/31	50	9	10,200
Source of Funds: Office of Education Contract - Teacher Corps (RBC# 3201)				
Assistant Professor			Academic	
			<u>Rate</u>	<u>Stipend</u>
305. Catherine Cooper	7/16 - 8/31	100	11,000	1,833
Source of Funds: Office of Education Contract - Teacher Corps (RBC# 3200)				
Director				
306. Ernest D. O'Neil	6/1 - 8/31	100	9	13,500
Source of Funds: Office of Education Contract - Teacher Corps				
Academic Status: Assistant Professor (Curriculum and Instruction) (RBC# 3204)				
Reappointment				
Associate Director				
307. Ruben D. Olivarez	6/1 - 8/31	100	9	10,500
Source of Funds: Office of Education Contract - Teacher Corps				
Previous appointment was at the same rate (RBC# 3203)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Educational Administration</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
308. Michael P. Thomas, Jr.	6/1 - 7/15	100	9	\$ 17,900
Source of Funds: Office of Education Contract for NPEL Program				
Academic Status: Professor (Educational Administration) (RBC# 3997, 3996)				
Professor				
309. Ben M. Harris	7/16 - 8/31	100	\$ 19,100	\$ 3,000
Source of Funds: Office of Education Contract (RBC# 4016)				
Professor				
310. Laurence D. Haskew	7/16 - 8/31	100	28,000	3,000
Source of Funds: Office of Education Contract - Curriculum and Instruction (RBC# 3569)				
Social Science Research				
Associate (Faculty)				
311. Kenneth E. McIntyre	6/1 - 7/15	100	21,500	3,000
Source of Funds: Office of Education Contract				
Academic Status: Professor (Educational Administration) (RBC# 3678, 3679)				
Visiting Professor				
312. Oscar G. Mink	6/1 - 7/31 8/1 - 8/31	50 100	9	18,750
Source of Funds: USPHS Contract (RBC# 3779)				
<u>Educational Psychology</u>				
Appointment				
Director (Faculty)				
313. Donald J. Veldman	6/1 - 8/31	100	9	18,000
Source of Funds: Indiana University Subcontract - Project PRIME				
Academic Status: Professor (Educational Psychology) (RBC# 4041)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Educational Psychology (Continued)</u>				
Appointment				
Director, NIMH School Psychology Program				
314. Beeman N. Phillips	6/1 - 7/15	100	9	\$ 18,800
Source of Funds: USPHS Contract				
Academic Status: Professor (Educational Psychology) (RBC# 3993, 3992)				
<u>Health, Physical Education, and Recreation</u>				
Appointment				
Assistant Professor				
315. Jan C. Stoner	7/16 - 8/31	100	9	12,000
Source of Funds: HEW - Division of Handicapped Children and Youth Grant (RBC# 4036)				
<u>Special Education</u>				
Appointment				
Professor				
316. John R. Peck	6/1 - 6/30	100	9	17,700
Source of Funds: Office of Education Contract (RBC# 2896)				
Research Associate (Faculty)				
317. Randall Parker	6/1 - 8/31	33	9	12,200
Source of Funds: HEW - Office of Vocational Rehabilitation Grant				
Concurrent Employment: Special Education Assistant Professor (RBC# 3208)				
	6/1 - 8/31	67		Academic Rate \$ 12,200 Stipend \$ 2,741
Social Science Research Associate (Faculty)				
318. Anne C. Netick	6/1 - 6/30	100	12,000	1,303
Source of Funds: Office of Education Contract				
Academic Status: Assistant Professor (Special Education) (RBC# 2889)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Special Education (Continued)</u>				
Appointment			Academic	
Professor			<u>Rate</u>	<u>Stipend</u>
319. Jasper E. Harvey	6/1 - 6/30	100	\$ 21,350	\$ 2,000
Source of Funds: Office of Education Contract (RBC# 2964)				
Acting Director				
320. Carl E. Hansen	6/1 - 8/31	100	9	14,200
Source of Funds: HEW - Office of Vocational Rehabilitation Grant				
Academic Status: Associate Professor (Special Education) (RBC# 2966)				
Project Director				
321. William G. Wolfe	6/1 - 8/31	100	9	27,200
Source of Funds: Office of Education Contract for Special Education Instructional Materials Center				
Academic Status: Professor (Special Education) (RBC# 2905)				
Social Science Research Associate (Faculty)				
322. Martha Williams	6/1 - 6/30	100	9	15,100
Source of Funds: Interagency Contract - Office of School Surveys				
Academic Status: Associate Professor (Graduate School of Social Work) (RBC# 3742)				
Professor				
323. Charles Cleland	6/1 - 6/30	100	9	17,500
Source of Funds: Office of Education Contract (RBC# 2895)				
Professor				
324. Natalie Barraga	6/1 - 6/30	100	9	17,700
Source of Funds: Office of Education Contract (RBC# 2894)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Special Education (Continued)</u>				
Appointment				
Staff Training Program Director 325. Ernest A. Gotts	6/1 - 6/30	100	9	\$ 13,500
Sources of Funds: HEW - Division of Handicapped Children and Youth (60%) and Office of Education Contract for Staff Training of Exemplary Early Childhood Centers for Handicapped Children (40%)				
Academic Status: Assistant Professor (Special Education) (RBC# 3197, 3267)				
<u>Special Education and Office of School Surveys</u>				
Appointment				
Social Science Research Associate (Faculty) 326. Lawrence W. Marrs	6/1 - 8/31	100	9	12,200
Special Education - HEW - Division of Handicapped Children and Youth				
	6/1 - 6/30			
Office of School Surveys - Interagency Contract Funds				
	7/1 - 8/31			
Academic Status: Assistant Professor (Special Education) (RBC# 2969, 2968)				
<u>Aerospace Engineering and Engineering Mechanics</u>				
Appointment				
Principal Investigator (Faculty) 327. Byron D. Tapley	6/1 - 8/31	100	9	22,000
Source of Funds: U.S. Air Force Contract				
Academic Status: Professor (Aerospace Engineering and Engineering Mechanics) (RBC# 3461)				
Research Scientist (Faculty) 328. Morris Stern	6/1 - 7/31	25	9	14,800
	8/1 - 8/31	100		
Source of Funds: NSF Grant				
Concurrent Employment: Aerospace Engineering and Engineering Mechanics - Engineering Mechanics Division				
	6/1 - 7/31	75		
Associate Professor (RBC# 3407, 3406)				
			<u>Academic Rate</u>	<u>Stipend</u>
			\$ 14,800	\$ 2,466

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Aerospace Engineering and Engineering Mechanics</u>				
Appointment				
Principal Investigator (Faculty)				
329. Anthony M. Bedford	8/1 - 8/31	50	9	\$ 14,200
Source of Funds: NSF Grant				
Concurrent Employment:				
Aerospace Engineering and Engineering Mechanics - Engineering Mechanics Division				
Assistant Professor (RBC# 3391)	8/1 - 8/31	50		
			<u>Academic Rate</u>	<u>Stipend</u>
			\$ 14,200	\$ 788
Research Scientist (Faculty)				
330. Walton E. Williamson	6/1 - 7/31	25	9	11,200
	8/1 - 8/31	100		
Sources of Funds:				
Cal Tech - Jet Propulsion Lab	6/1 - 6/30	25		
U.S. Air Force Contract	7/1 - 7/31	25		
	8/1 - 8/31	100		
Concurrent Employment:				
Aerospace Engineering and Engineering Mechanics				
Assistant Professor (RBC# 3411, 3409, 3410)	6/1 - 7/31	75		
			<u>Academic Rate</u>	<u>Stipend</u>
			\$ 11,700	\$ 1,866
Principal Investigator				
331. Paul E. Nacozy	6/1 - 8/31	100	9	12,700
Source of Funds: NASA Contract				
Academic Status: Assistant Professor (Aerospace Engineering and Engineering Mechanics) (RBC# 3468)				
Principal Investigator				
332. Henry J. Petroski	6/1 - 7/31	100	9	12,700
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Aerospace Engineering and Engineering Mechanics) (RBC# 3823, 3466)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Aerospace Engineering and Engineering Mechanics, and Division of Research in Transportation</u>				
Appointment				
333. Ronald O. Stearman				
Aerospace Engineering and Engineering Mechanics - U.S. Air Force Contract Funds Research Engineer (Faculty)	6/1 - 8/31	40	9	\$ 17,100
Division of Research in Transportation - U.S. Department of Transportation Contract Funds Research Associate (Faculty)	6/1 - 8/31	60	9	17,100
Academic Status: Associate Professor (Aerospace Engineering and Engineering Mechanics) (RBC# 3786, 3681)				
<u>Chemical Engineering and Computer-Based Education Project</u>				
Appointment				
334. Thomas F. Edgar				
Chemical Engineering Research Engineer (Faculty) Current Restricted - DuPont Young Faculty Grant	6/1 - 6/30	25	9	12,800
	7/1 - 7/15	100		
U.S. Department of Interior Contract Funds	6/1 - 6/30	75	9	12,800
Computer-Based Education Project - NSF Grant Funds Project Investigator	7/16 - 8/31	50	9	12,800
Concurrent Employment: Chemical Engineering Assistant Professor (RBC# 3602, 2886, 3605, 3606)	7/16 - 8/31	50		
			Academic Rate	Stipend
			\$ 12,800	\$ 1,066
<u>Chemical Engineering and Electronics Research Center</u>				
Appointment				
Research Engineer (Faculty)				
335. Robert P. Popovich				
Chemical Engineering - NSF Grant Funds	6/1 - 8/31	50	9	13,700
Electronics Research Center - U.S. Air Force Contract Funds	6/1 - 6/30	50	9	13,700
Academic Status: Assistant Professor (Chemical Engineering) (RBC# 3467, 3689)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Civil Engineering</u>				
Appointment				
Research Engineer (Faculty)				
336. Robert S. Dunham	6/1 - 6/30	100	9	\$ 13,400
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Civil Engineering) (RBC# 3794)				
Research Engineer (Faculty)				
337. Joseph A. Yura	6/1 - 7/31	25	9	15,150
Source of Funds: NSF Grant				
Concurrent Employment:				
Civil Engineering			<u>Academic Rate</u>	<u>Stipend</u>
Associate Professor	6/1 - 7/31	75	\$ 15,150	\$ 2,525
(RBC# 3790)				
Project Administrator				
338. Walter L. Moore	7/1 - 8/15	50	9	20,400
Source of Funds: U.S. Army Contract				
Academic Status: Professor (Civil Engineering) (RBC# 4184)				
Research Engineer (Faculty)				
339. Roy E. Olson	6/1 - 7/31	25	9	19,100
	8/1 - 8/31	100		
Source of Funds: NSF Grant				
Concurrent Employment:				
Civil Engineering			<u>Academic Rate</u>	<u>Stipend</u>
Professor	6/1 - 7/31	75	19,100	3,000
(RBC# 3737, 3738)				
<u>Civil Engineering, Center for Highway Research, and Bureau of Engineering Research</u>				
Appointment				
Research Engineer (Faculty)				
340. John E. Breen				
Civil Engineering - NSF Grant Funds	6/1 - 8/31	50	9	19,700
Center for Highway Research - Government Contract, Payroll Clearing Account funds	6/1 - 8/31	33	9	19,700
Bureau of Engineering Research - Current Restricted - Reinforced Concrete Research Council Funds	6/1 - 8/31	17	9	19,700
Academic Status: Professor (Civil Engineering) (RBC# 3269, 3150, 3427)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Civil Engineering - Architectural Engineering Division</u>				
Appointment				
341. Douglas D. Reynolds				
Research Engineer (Faculty)	6/1 - 7/31	25	9	\$ 12,700
Assistant Professor	8/1 - 8/31	100	9	12,700
Source of Funds: U.S. Department of Transportation Contract				
Concurrent Employment:				
Civil Engineering - Architectural Engineering Division			<u>Academic Rate</u>	<u>Stipend</u>
Assistant Professor (RBC# 4146, 3732)	6/1 - 7/31	75	\$ 12,700	\$ 2,116
Change of Status				
Co-principal Investigator				
342. Clayford T. Grimm				
To:	6/1 - 8/31	100	12	23,068
From:	6/1 - 8/31	50	12	23,068
Source of Funds: Interagency Contract (RBC# 3061)				
<u>Civil Engineering - Meteorology</u>				
Appointment				
Research Engineer (Faculty)				
343. John H. E. Clark	6/1 - 7/31	100	9	12,200
Academic Status: Assistant Professor (Civil Engineering - Meteorology) (RBC# 3983)				
Research Engineer (Faculty)				
344. Kenneth H. Jehn	6/1 - 6/30	50	9	16,200
Concurrent Employment:				
Civil Engineering - Meteorology Division			<u>Academic Rate</u>	<u>Stipend</u>
Professor (RBC# 3362)	6/1 - 8/31	50	16,200	2,700
<u>Electrical Engineering</u>				
Appointment				
Research Engineer (Faculty)				
345. Elmer L. Hixson	6/1 - 8/31	50	9	18,300
Source of Funds: U.S. Department of Transportation Contract				
Academic Status: Professor (Electrical Engineering) (RBC# 3629)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Electrical Engineering (Continued)</u>				
Appointment				
Research Engineer (Faculty)				
346. Terry J. Wagner	6/1 - 8/31	100	9	\$ 16,500
Source of Funds: U.S. Air Force Contract				
Academic Status: Associate Professor (Electrical Engineering) (RBC# 3974)				
Research Engineer (Faculty)				
347. J. K. Aggarwal	6/1 - 8/31	100	9	17,800
Source of Funds: U.S. Air Force Contract				
Academic Status: Professor (Electrical Engineering) (RBC# 3262)				
Change of Status				
Research Engineer (Faculty)				
348. Stephen A. Underwood				
To:	6/1 - 8/31	50	9	12,000
From:	6/1 - 7/31	25	9	12,000
Source of Funds: NSF Grant				
Concurrent Employment:				
Electrical Engineering			<u>Academic Rate</u>	<u>Stipend</u>
Assistant Professor	6/1 - 8/31	50	\$ 12,000	\$ 2,000
(RBC# 3862, 3787, 3413)				
<u>Electrical Engineering and Electronics Research Center</u>				
Appointment				
349. Demetrios G. Lainiotis				
Electrical Engineering - U.S. Air Force Contract				
Research Engineer (Faculty)	6/1 - 8/31	50	9	17,800
Electronics Research Center - U.S. Air Force Contract				
Associate Director of Electronics Research Center	6/1 - 8/31	50	9	17,800
Academic Status: Professor (Electrical Engineering) (RBC# 4119, 3752, 3454)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Electrical Engineering and Electronics Research Center (Continued)</u>				
Appointment				
Research Engineer (Faculty)				
350. Terry A. Welch				
Electrical Engineering - NSF Grant Funds	6/1 - 7/31	50	9	\$ 14,700
Electronics Research Center - U.S. Air Force Contract Funds	6/1 - 8/31	50	9	14,700
Academic Status: Assistant Professor (Electrical Engineering) (RBC# 3565, 3788, 4038)				
Research Engineer (Faculty)				
351. Rodger M. Walsler				
Electrical Engineering - U.S. Navy Contract Funds	6/1 - 8/31	50	9	15,500
Electronics Research Center - U.S. Air Force Contract Funds	6/1 - 8/31	50	9	15,500
Academic Status: Assistant Professor (Electrical Engineering) (RBC# 3685, 4032, 3408)				
Research Engineer (Faculty)				
352. Robert W. Bene	6/1 - 8/31	100	9	14,500
Electrical Engineering - U.S. Navy Contract Funds (50%)				
Electronics Research Center - U.S. Air Force Contract Funds (50%)				
Academic Status: Assistant Professor (Electrical Engineering) (RBC# 3625, 4024, 3674)				
<u>Electrical Engineering - Biomedical Engineering Program</u>				
Appointment				
Research Engineer (Faculty)				
353. Clarence P. Cain	6/1 - 6/30	100	9	12,000
Source of Funds: U.S. Air Force Contract				
Academic Status: Assistant Professor (Electrical Engineering) (RBC# 3400)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Mechanical Engineering</u>				
Appointment				
Research Engineer (Faculty)				
354. William G. Lesso	6/1 - 8/31	100	9	\$ 18,000
Source of Funds: Interagency Contract				
Academic Status: Professor (Mechanical Engineering) (RBC# 3824)				
Research Engineer (Faculty)				
355. Ronald L. Panton	6/1 - 8/31	100	9	17,500
Source of Funds: NASA Contract				
Academic Status: Associate Professor (Mechanical Engineering) (RBC# 3207)				
<u>Mechanical Engineering, Center for Highway Research, and Division of Research in Transportation</u>				
Appointment				
Research Engineer (Faculty)				
356. James R. Holmes				
Mechanical Engineering - NASA Contract Funds	6/1 - 6/30	100	9	11,900
Center for Highway Research - Government Contract Funds	7/1 - 7/31	67	9	11,900
Division of Research in Transportation - Council for Advanced Transportation Studies Academic Development Fund	7/1 - 7/31	33	9	11,900
Academic Status: Associate Professor (Mechanical Engi- neering - Engineering Graphics Division) (RBC# 4015, 4055, 3313)				
<u>Mechanical Engineering and Computer-Based Education Project</u>				
Appointment				
Research Engineer (Faculty)				
357. Paul A. Jensen				
Mechanical Engineering - NASA Contract Funds	6/1 - 6/18	50	9	15,300
Computer-Based Education Project - NSF Grant Funds	6/19 - 6/30	50	9	15,300
Concurrent Employment: Mechanical Engineering - U.S. Department of Interior Contract Research Engineer (Faculty)	6/1 - 6/30	50	9	15,300
Academic Status: Associate Professor (Mechanical Engineering) (RBC# 3670, 3671)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Mechanical Engineering and Electronics Research Center</u>				
Appointment				
358. George B. Thurston				
Mechanical Engineering - NSF Grant Funds				
Project Director (Faculty)	6/1 - 7/31	100	9	\$ 19,800
Electronics Research Center - U.S. Air Force Contract Funds				
Research Engineer (Faculty)	8/1 - 8/31	100	9	19,800
Academic Status: Professor (Mechanical Engineering) (RBC# 4145, 2899)				
<u>Mechanical Engineering - Nuclear Reactor Teaching Laboratory</u>				
Appointment				
Research Engineer (Faculty)				
359. Gardner D. Atkinson, Jr.	6/1 - 6/30	50	9	11,400
Source of Funds: NSF Grant				
Concurrent Employment:				
Mechanical Engineering - Nuclear Reactor Teaching Laboratory - General Budget Funds				
Research Engineer (Faculty)	6/1 - 8/31	50	9	11,400
Academic Status: Assistant Professor (Mechanical Engineering) (RBC# 3626)				
<u>School of Law</u>				
Appointment				
Professor				
360. Albert W. Alschuler	7/16 - 8/31	100		
Source of Funds: Texas Criminal Justice Council Grant (RBC# 3308)				
<u>College of Pharmacy</u>				
Appointment				
Assistant Dean and Research Scientist (Faculty)				
361. Charles A. Walton	5/1 - 8/31	100	12	28,000
Source of Funds: USPHS Contract (RBC# 3310, 3564)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>College of Pharmacy (Continued)</u>				
Appointment				
Assistant Professor				
362. Stephen G. Hoag	6/1 - 8/31	100	9	\$ 12,600
Source of Funds:				
USPHS Contract				
(RBC# 3756)				
Research Scientist (Faculty)				
363. Bill D. Jobe	6/1 - 8/31	100	9	16,500
Source of Funds:				
USPHS Contract				
(RBC# 3669)				
Assistant Professor				
364. Robert G. Leonard	6/1 - 8/31	100	9	13,200
Source of Funds:				
USPHS Contract				
(RBC# 4123)				
Reappointment				
Assistant Professor				
365. Frank R. Radzai	6/1 - 8/31	100	9	13,000
Source of Funds:				
USPHS Contract				
Previous appointment				
was at the same rate				
(RBC# 2965)				
<u>Graduate School of Social Work</u>				
Appointment				
Assistant Professor				
366. Michael L. Lauderdale	6/1 - 8/31	100	9	14,900
Source of Funds: Department				
of Public Welfare Contract				
(RBC# 2999)				
Social Science Research				
Associate (Faculty)				
367. Louis DeMoll	6/25 - 8/15	100	9	16,000
Source of Funds: Department				
of Public Welfare Contract				
Academic Status:				
Associate Professor				
(Graduate School of Social Work)				
(RBC# 3801)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Graduate School of Social Work (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
368. Chester L. Chiles	7/1 - 8/31	100	9	\$ 15,300
Source of Funds: USPHS Contract				
Academic Status: Associate Professor (Graduate School of Social Work) (RBC# 2997)				
Social Science Research Associate (Faculty)				
369. George F. Thorman	6/25 - 8/15	100	9	14,000
Source of Funds: Interagency Contract, Department of Public Welfare				
Academic Status: Assistant Professor (Graduate School of Social Work) (RBC# 3875)				
Reappointment				
Lecturer and Associate Director of Regional and Health Research Institute				
370. James C. Stewart	6/1 - 8/31	100	12	20,000
Source of Funds: Contract Funds				
Previous appointment was at the same rate (RBC# 3976)				
Assistant Professor				
371. Juan Armendariz	6/1 - 8/31	100	9	13,450
Source of Funds: USPHS Contract				
Previous appointment was at the same rate (RBC# 4128, 3010)				
<u>LBJ School of Public Affairs</u>				
Appointment				
Social Science Research Associate (Faculty)				
372. Sheldon R. Olson	6/1 - 7/15	100	9	12,200
Source of Funds: Ford Foundation Grant				
Academic Status: Assistant Professor (Sociology) (RBC# 3296)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>LBJ School of Public Affairs (Continued)</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
373. Daniel C. Morgan, Jr.	6/1 - 7/15	100	9	\$ 18,500
Source of Funds: HUD Contract				
Academic Status: Associate				
Professor (Economics)				
(RBC# 3286)				
Consultant				
374. Dwight E. Deal	6/1 - 8/31	---	12	(15,384)
Concurrent Employment:				
Bureau of Economic Geology				
Consultant				
(RBC# 3573)				
9/1 - 8/31				
100				
12				
15,384				
Social Science Research				
Associate (Faculty)				
375. Jurgen Schmandt	8/1 - 8/31	100	9	20,800
Source of Funds:				
Ford Foundation Grant				
Academic Status: Professor				
(LBJ School of Public Affairs)				
(RBC# 4188)				
Research Associate (Faculty)				
376. Kenneth W. Tolo	6/1 - 7/15	100	9	14,000
Source of Funds:				
Ford Foundation Grant				
Academic Status:				
Assistant Professor				
(LBJ School of Public Affairs)				
(RBC# 3215)				
Reappointment				
Lecturer				
377. Richard C. Dubielzig	6/1 - 8/31	50	9	15,000
Source of Funds: HUD Contract				
Previous appointment				
was at the same rate				
(RBC# 3265)				
<u>Applied Research Laboratories</u>				
Reappointment				
Research Engineer (Faculty)				
378. David T. Blackstock	6/1 - 8/31	100	12	22,748
Previous appointment				
was at the same rate				
(RBC# 3809)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Applied Research Laboratories</u> (Continued)				
Change of Status				
Research Scientist (Faculty)				
379. Claude W. Horton, Sr.				
To:	9/1 - 5/31	---	9	(\$21,300)
	6/1 - 8/31	100	9	21,300
From:	9/1 - 8/31	---	9	(21,300)
Academic Status: Professor (Physics) (RBC# 3766)				
<u>Bureau of Engineering Research</u>				
Appointment				
Research Engineer (Faculty)				
380. David B. vanMulsteyn	6/1 - 8/31	50	9	14,700
Source of Funds: Texas Atomic Energy Research Foundation				
Concurrent Employment:			Academic	
Electrical Engineering			<u>Rate</u>	<u>Stipend</u>
Assistant Professor	6/1 - 8/31	50	\$ 14,700	\$ 2,450
(RBC# 3309)				
Research Engineer (Faculty)				
381. Donald G. Swanson	6/1 - 7/31	50	9	16,300
Source of Funds: Texas Atomic Energy Research Foundation				
Concurrent Employment:			Academic	
Electrical Engineering			<u>Rate</u>	<u>Stipend</u>
Associate Professor	6/1 - 8/31	50	16,300	2,716
(RBC# 3311)				
Research Engineer (Faculty)				
382. William M. Clark, Jr.	6/1 - 8/31	100	9	14,500
Source of Funds: Texas Atomic Energy Research Foundation				
Academic Status: Assistant Professor (Electrical Engineering) (RBC# 3249)				
Research Engineer (Faculty)				
383. W. C. Duesterhoeft, Jr.	6/1 - 8/12	50	9	21,700
Source of Funds: Texas Atomic Energy Research Foundation				
Concurrent Employment:			Academic	
Electrical Engineering			<u>Rate</u>	<u>Stipend</u>
Professor	6/1 - 8/31	50	21,700	3,000
(RBC# 3383)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Bureau of Engineering Research (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
384. Melvin E. Oakes	6/1 - 8/31	100	9	\$ 15,500
Source of Funds: Texas Atomic Energy Research Foundation				
Academic Status: Associate Professor (Physics) (RBC# 3452)				
Reappointment				
Visiting Professor				
385. William G. Davey	5/1 - 5/31	33	9	18,000
Source of Funds: Texas Atomic Energy Research Foundation				
Previous appointment was at the same rate				
Concurrent Employment:				
Mechanical Engineering				
Visiting Professor (RBC# 3796)	9/1 - 5/31	33	9	18,000
<u>Bureau of Engineering Research and Division of Natural Resources and Environment - Center for Research in Water Resources</u>				
Appointment				
Research Engineer (Faculty)				
386. William L. Oberkampf				
Bureau of Engineering Research - Texas Atomic Energy Research Foundation Funds				
	6/1 - 6/30	100	9	12,200
Center for Research in Water Resources - Interagency Contract Funds				
	7/1 - 8/31	100	9	12,200
Academic Status: Assistant Professor (Mechanical Engineering) (RBC# 3297, 2972)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Bureau of Engineering Research, Electronics Research Center, and Applied Research Laboratories</u>				
Reappointment and Change of Status Research Engineer, Assistant Director of Electronics Research Center 387. Otto M. Friedrich, Jr.				
Reappointments:				
Bureau of Engineering Research - Texas Atomic Energy Research Foundation Funds	5/1 - 8/31	25	12	\$ 19,800
Electronics Research Center - U.S. Air Force Contract Funds	4/1 - 4/30	50	12	19,800
	5/1 - 5/31	75		
	6/1 - 8/31	25		
Change of Status:				
Applied Research Laboratories				
To:	9 1 - 5/31	LWOP	12	(19,800)
	6/1 - 8/31	50	12	19,800
From:	9/1 - 8/31	LWOP	12	(19,800)
(RBC# 3318, 3396, 4030, 3628, 3627, 3266)				

Bureau of Engineering Teaching

Appointment

Associate Professor

388. David W. Fowler

6/1 - 7/31

25

9

15,000

8/1 - 8/31

100

Source of Funds: Sloan
Foundation Grant

Concurrent Employment:

Civil Engineering - Architec-
tural Engineering Division

Associate Professor

(RBC# 3762, 3763)

6/1 - 7/31

75

Academic

RateStipend

\$ 15,000

\$ 2,500

Associate Professor

389. Wallace T. Fowler

6/1 - 8/31

100

9

15,100

Source of Funds: Sloan
Foundation Grant

Academic Status:

Associate Professor

(Aerospace Engineering and
Engineering Mechanics)

(RBC# 3821)

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Bureau of Engineering Teaching (Continued)</u>				
Appointment				
Associate Professor				
390. Robert D. Brooks	7/16 - 8/31	100	9	\$ 16,500
Source of Funds: Sloan Foundation Grant				
Academic Status: Associate Professor (Radio/TV/Film) (RBC# 4181)				
Research Engineer (Faculty)				
391. Roy R. Craig, Jr.	6/1 - 7/31	100	9	14,300
Source of Funds: Sloan Foundation Grant				
Academic Status: Associate Professor (Aerospace Engineering and Engineering Mechanics) (RBC# 3386)				
Research Engineer (Faculty)				
392. Gerald R. Wagner	6/1 - 8/31	100	9	16,000
Source of Funds: Sloan Foundation Grant				
Academic Status: Assistant Professor (Mechanical Engineering) (RBC# 3426)				
Research Scientist (Faculty)				
393. John M. White	6/1 - 8/31	25	9	13,700
Source of Funds: Sloan Foundation Grant				
Concurrent Employment: Chemistry				
Associate Professor	6/1 - 7/15	25		
(RBC# 3213)				
			<u>Academic Rate</u>	<u>Stipend</u>
			\$ 13,700	\$ 570
Professor				
394. Charles H. Roth	6/1 - 8/31	100	9	16,600
Source of Funds: Sloan Foundation Grant				
Academic Status: Professor (Electrical Engineering) (RBC# 3730)				
Assistant Professor				
395. Billie G. Herring	6/1 - 7/15	100	9	10,700
Source of Funds: Sloan Foundation Grant				
Academic Status: Assistant Professor (Graduate School of Library Science) (RBC# 3812)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Cybernetic Studies</u>				
Appointment				
Research Associate				
396. Joel Stutz	6/1 - 8/31	100	9	\$ 13,500
Source of Funds: U.S. Navy Contract				
Academic Status: Assistant Professor (General Business) (RBC# 2900)				
Principal Investigator				
397. Abraham Charnes	6/1 - 8/31	100	9	40,000
Source of Funds: U.S. Navy Contract				
Academic Status: Professor (General Business) (RBC# 2958, 2959)				
Research Associate (Faculty)				
398. Darwin D. Klingman	6/1 - 8/31	100	9	16,200
Source of Funds: U.S. Navy Contract				
Academic Status: Associate Professor (Mathematics) (RBC# 3246)				
Research Associate				
399. Brian Moore	6/1 - 8/31	100	9	15,500
Source of Funds: U.S. Navy Contract				
Academic Status: Assistant Professor (Management) (RBC# 2891)				
<u>Center for Economic Development</u>				
Change of Status				
Project Director				
400. Niles M. Hansen				
To:	6/1 - 8/31	100	9	26,000
From:	6/1 - 8/31	40	9	26,000
Sources of Funds: Office of Economic Opportunity (50%), and NSF Grant (50%)				
Academic Status: Professor (Economics) (RBC# 4155)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Highway Research</u>				
Appointment				
Research Engineer (Faculty)				
401. Stephen G. Wright	6/1 - 8/31	100	9	\$ 13,000
Academic Status:				
Assistant Professor				
(Civil Engineering)				
(RBC# 3419)				
Research Engineer (Faculty)				
402. Richard W. Furlong	8/20 - 8/31	100	9	16,800
Academic Status: Professor				
(Civil Engineering)				
(RBC# 3457)				
Research Engineer (Faculty)				
403. James T. Houston	6/1 - 7/15	100	9	12,400
Academic Status: Assistant Professor (Civil Engineering)				
(RBC# 3460)				
Research Engineer (Faculty)				
404. William R. Hudson	6/1 - 8/31	100	9	17,300
Academic Status: Associate Professor (Civil Engineering)				
(RBC# 3676)				
Research Engineer (Faculty)				
405. James O. Jirsa	6/1 - 7/31	100	9	15,500
Academic Status: Associate Professor (Civil Engineering)				
(RBC# 3748)				
Research Engineer (Faculty)				
406. C. Philip Johnson	6/1 - 8/31	50	9	14,700
Concurrent Employment:				
Civil Engineering				
Associate Professor				
(RBC# 3389)				
	6/1 - 7/15	50		Academic
				<u>Rate</u> <u>Stipend</u>
				\$ 14,700 \$ 1,224
Research Engineer (Faculty)				
407. Thomas W. Kennedy	6/1 - 8/31	100	9	15,150
Academic Status: Associate Professor (Civil Engineering)				
(RBC# 4013)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Highway Research (Continued)</u>				
Appointment				
Research Engineer (Faculty)				
408. Benjamin F. McCullough	6/1 - 7/31	25	9	\$ 14,400
	8/1 - 8/31	100		
Concurrent Employment:				
Civil Engineering				Academic
Associate Professor				<u>Rate</u> <u>Stipend</u>
(RBC# 3445, 3446)	6/1 - 7/31	75	\$ 14,400	\$ 2,400
Research Engineer (Faculty)				
409. Hudson Matlock	6/1 - 7/31	25	9	20,300
	8/1 - 8/31	100		
Concurrent Employment:				
Civil Engineering				Academic
Professor				<u>Rate</u> <u>Stipend</u>
(RBC# 3443, 3444)	6/1 - 7/31	75	20,300	3,000
<u>Change of Status</u>				
Director				
410. Clyde E. Lee				
To:	6/1 - 8/31	100	9	18,700
From:	6/1 - 8/31	33	9	18,700
Academic Status: Professor				
(Civil Engineering)				
(RBC# 3453)				
<u>Center for Highway Research and Chemical Engineering</u>				
Appointment				
Research Engineer (Faculty)				
411. Donald R. Paul	6/1 - 7/31	100	9	16,800
Center for Highway Research -				
Government Contract, Payroll				
Clearing Account Funds	6/1 - 6/30			
Chemical Engineering -				
NSF Grant Funds	7/1 - 7/31			
Academic Status:				
Associate Professor				
(Chemical Engineering)				
(RBC# 3435, 3434)				
<u>Center for Nuclear Studies</u>				
Appointment				
Research Scientist (Faculty)				
412. Taro Tamura	6/15 - 8/31	100	9	21,500
Source of Funds: Atomic				
Energy Commission Contract				
Academic Status:				
Professor (Physics)				
(RBC# 3425)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Nuclear Studies (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
413. Takeshi Udagawa	6/1 - 6/30 8/1 - 8/31	100 100	9	\$ 14,200
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Assistant Professor (Physics) (RBC# 3793, 3792)				
Research Scientist (Faculty)				
414. Cary N. Davids	6/1 - 7/31 8/16 - 8/31	100 100	9	13,200
Sources of Funds: NSF Grants				
Academic Status: Assistant Professor (Physics) (RBC# 3797, 3667, 3982)				
Research Scientist (Faculty)				
415. Wilfred J. Braithwaite	6/1 - 7/31 8/16 - 8/31	100 100	9	13,000
Sources of Funds:				
Atomic Energy Commission Contract				
U.S. Navy Contract				
Academic Status: Assistant Professor (Physics) (RBC# 3399, 4214)				
Research Scientist (Faculty)				
416. William R. Coker	6/1 - 8/14	100	9	13,400
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Associate Professor (Physics) (RBC# 3795)				
Research Scientist (Faculty)				
417. Syed A. Zaidi	6/1 - 8/14	100	9	14,700
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Associate Professor (Physics) (RBC# 3421)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Nuclear Studies (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
418. Hermann H. Wolter	6/1 - 8/14	100	9	\$ 11,500
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Assistant Professor (1972-73 Only) (Physics) (RBC# 3791)				
Research Scientist (Faculty)				
419. Peter J. Riley	6/1 - 8/31	100	9	15,900
Sources of Funds:				
Atomic Energy Commission Contract				
	6/1 - 7/31			
NSF Grant				
	8/1 - 8/31			
Academic Status: Associate Professor (Physics) (RBC# 3781, 3782)				
Research Scientist				
420. Gerald W. Hoffman	6/1 - 8/31	100	9	12,500
Sources of Funds:				
Atomic Energy Commission Contract				
	6/1 - 7/31			
U.S. Navy Contract				
	8/1 - 8/31			
Academic Status: Assistant Professor (Physics) (RBC# 3405, 3404)				
Research Scientist				
421. Eugene V. Ivash	6/1 - 6/30	100	9	15,500
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Professor (Physics) (RBC# 4010)				
Research Scientist (Faculty)				
422. Cornelius F. Moore	6/1 - 8/31	100	9	15,500
Sources of Funds:				
Atomic Energy Commission Contract				
	6/1 - 6/30			
U.S. Navy Contract				
	7/1 - 8/31			
Academic Status: Professor (Physics) (RBC# 3449, 3450)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Numerical Analysis</u>				
Appointment				
Research Scientist (Faculty)				
423. Robert T. Gregory	6/1 - 7/31	100	9	\$ 23,500
	8/1 - 8/31	50		
Sources of Funds:				
U.S. Army Contract	6/1 - 6/30	100		
	7/1 - 8/31	50		
General Budget Funds	7/1 - 7/31	50		
Academic Status: Professor (Mathematics) and (Computer Sciences) (RBC# 3320, 4219, 4218, 4217)				
Director				
424. David M. Young, Jr.	6/1 - 7/31	100	9	25,000
	8/1 - 8/31	50		
Sources of Funds:				
U.S. Army Contract	6/1 - 6/30	100		
	7/1 - 8/31	50		
General Budget Funds	7/1 - 7/31	50		
Academic Status: Professor (Mathematics) (RBC# 3293, 4195, 4196, 4197)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Particle Theory</u>				
Appointment				
Research Scientist (Faculty)				
425. Thomas A. Griffy	6/1 - 7/31	25	9	\$ 18,000
Source of Funds:				
Atomic Energy				
Commission Contract				
Concurrent Employment:				
Physics			Academic	
Professor	6/1 - 7/31	75	<u>Rate</u>	<u>Stipend</u>
(RBC# 2693, 2916)			\$ 18,000	\$ 3,000
Change of Status				
Research Scientist (Faculty)				
426. Charles B. Chiu				
To:	6/1 - 8/31	50	9	14,200
From:	6/1 - 7/15	100	9	14,200
Source of Funds:				
Atomic Energy				
Commission Contract				
Concurrent Employment:				
Physics			Academic	
Assistant Professor	6/1 - 8/31	50	<u>Rate</u>	<u>Stipend</u>
(RBC# 3666)			\$ 14,200	\$ 2,366
<u>Center for Plasma Physics and Thermonuclear Research</u>				
Appointment				
Research Scientist (Faculty)				
427. Herbert H. Woodson	6/1 - 8/31	100	9	30,500
Source of Funds:				
Edison Electric				
Instruments Grant				
Academic Status:				
Alcoa Professor				
(Electrical Engineering)				
(RBC# 3210)				
Research Scientist (Faculty)				
428. William E. Drummond	7/1 - 8/31	100	9	34,000
Source of Funds:				
Atomic Energy				
Commission Contract (50%)				
and EEI Contract (50%)				
Academic Status:				
Professor (Physics)				
(RBC# 4018, 4130)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Plasma Physics and Thermonuclear Research (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
429. Henry G. Rylander, Jr.	6/1 - 8/31	50	9	\$ 17,700
Source of Funds: EEI Contract				
Concurrent Employment:				
Mechanical Engineering Professor	6/1 - 8/31	50	Academic Rate	Stipend
(RBC# 3219)			\$ 17,700	\$ 2,950
Research Scientist (Faculty)				
430. Kenneth W. Gentle	8/1 - 8/31	100	9	15,500
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Associate Professor (Physics) (RBC# 4132)				
Research Scientist (Faculty)				
431. Frederick L. Hinton	7/1 - 7/31	100	9	14,200
Source of Funds: Edison Electric Instruments Grant				
Academic Status: Assistant Professor (Physics) (RBC# 4121)				
Reappointment				
Research Program Manager				
432. James B. Greene	7/1 - 8/31	100	12	19,224
Source of Funds: Atomic Energy Commission Contract				
Previous appointments were at the same rate. (RBC# 4131)				
Research Scientist				
433. David W. Ross	5/1 - 8/31	100	12	19,860
Source of Funds: Atomic Energy Commission Contract				
EEI Contract	5/1 - 6/30			
	7/1 - 8/31			
Previous appointments were at the same rate. (RBC# 3218, 4133, 4185)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Plasma Physics and Thermonuclear Research (Continued)</u>				
Reappointment				
Research Engineer				
434. David F. Brower	7/1 - 8/31	100	12	\$ 30,000
Source of Funds: Atomic Energy Commission Contract				
Previous appointment was at the same rate. (RBC# 4129)				
Research Scientist (Faculty)				
435. Roger D. Bengtson	7/1 - 8/31	100	9	13,200
Source of Funds: Atomic Energy Commission Contract				
Academic Status: Assistant Professor (Physics) (RBC# 4127)				
Research Scientist				
536. Henry V. Wong	5/1 - 7/31	100	12	19,860
Source of Funds: Edison Electric Instruments Grant				
Previous appointments were at the same rate. (RBC# 4136, 3059)				
Research Scientist				
437. Alan A. Ware	7/1 - 8/31	100	12	32,574
Source of Funds: Edison Electric Instruments Grant				
Previous appointments were at the same rate. (RBC# 4144, 4033)				
Change of Status				
Research Program Manager				
438. Alan B. Macmahon				
To:	5/1 - 8/31	100	12	18,900
From:	5/1 - 8/31	50	12	18,900
Source of Funds: Atomic Energy Commission Contract and EEI Contract (RBC# 3004, 4135)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for Relativity Theory</u>				
Appointment				
Research Scientist (Faculty)				
439. Richard A. Matzner	7/1 - 8/31	100	9	\$ 14,000
Source of Funds:				
NSF Grant				
Academic Status:				
Assistant Professor				
(Physics)				
(RBC# 3977)				
<u>Center for Research in Water Resources</u>				
Appointment				
Research Engineer (Faculty)				
440. E. Gus Fruh	6/1 - 8/31	100	9	15,600
Source of Funds:				
Interagency Contract				
NSF Grant				
Academic Status:				
Associate Professor				
(Civil Engineering)				
(RBC# 4005, 4004)				
Research Engineer (Faculty)				
441. Kingsley E. Haynes	6/1 - 8/31	100	9	13,700
Source of Funds:				
NSF Grant				
Academic Status:				
Assistant Professor				
(Geography)				
(RBC# 3665)				
Research Engineer (Faculty)				
442. Bassett Maguire	7/1 - 8/31	100	9	17,000
Source of Funds:				
Interagency Contract				
Academic Status:				
Associate Professor				
(Zoology)				
(RBC# 2890)				
<u>Center for Research in Water Resources</u>				
<u>and LBJ School of Public Affairs</u>				
Appointment				
443. Jared Hazleton				
Center for Research in Water Resources - Interagency Contract Funds				
Research Engineer Associate (Faculty)	6/1 - 7/15	100	9	19,200
LBJ School of Public Affairs- Ford Foundation Contract Funds				
Associate Professor	7/16 - 8/31	100	Academic Rate	Stipend
(RBC# 4137, 3755)			\$ 19,200	\$ 3,000

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Center for the Study of Human Resources</u>				
Appointment				
Project Associate				
444. Vernon M. Briggs, Jr.	6/1 - 6/30	100	9	\$ 17,850
Source of Funds: Office of Economic Opportunity Grant				
Academic Status: Associate Professor (Economics) (RBC# 3672)				
Project Director				
445. F. Ray Marshall	6/1 - 8/31	100	9	33,000
Source of Funds: U. S. Department of Labor Contract				
Academic Status: Professor (Economics) (RBC# 3688)				
<u>Computation Center and Computer Sciences</u>				
Appointment				
Research Scientist (Faculty)				
446. Terrence W. Pratt				
Computation Center - Revolving Funds				
	6/1 - 6/30	100	9	15,200
Computer Sciences - NSF Grant Funds				
	7/1 - 8/31	100	9	15,200
Academic Status: Associate Professor (Computer Sciences) (RBC# 3162, 3217)				
<u>Computer-Based Education Project</u>				
Appointment				
Research Engineer (Faculty)				
447. Walter S. Reed	6/1 - 8/31	100	9	13,000
Source of Funds: NSF Grant (RBC# 3254)				
Associate Investigator				
448. David G. Hull	7/16 - 8/31	50	9	15,300
Source of Funds: NSF Grant				
Concurrent Employment: Aerospace Engineering and Engineering Mechanics				
	7/16 - 8/31	50	Academic Rate \$ 15,300	Stipend \$ 1,274
Associate Professor (RBC# 3711)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Computer-Based Education Project (Continued)</u>				
Appointment				
Project Investigator				
449. James L. Weatherby, Jr.	7/16 - 8/31	50	9	\$ 13,700
Source of Funds: NSF Grant				
Concurrent Employment:				
Economics			Academic	
Assistant Professor	7/16 - 8/31	50	<u>Rate</u>	<u>Stipend</u>
(RBC# 3684)			\$ 13,700	\$ 1,141
Project Investigator				
450. Jan H. Bruell	6/1 - 7/15	50	9	23,700
Source of Funds: NSF Grant				
Concurrent Employment:				
Psychology			Academic	
Professor	6/1 - 7/15	50	<u>Rate</u>	<u>Stipend</u>
(RBC# 3422)			\$ 23,700	\$ 1,500
Project Investigator				
451. John P. Alexander	6/1 - 8/31	25	9	13,200
Source of Funds: NSF Grant				
Concurrent Employment:				
Mathematics			Academic	
Assistant Professor	6/1 - 8/31	25	<u>Rate</u>	<u>Stipend</u>
(RBC# 3831)			\$ 13,200	\$ 1,100
Project Investigator				
452. John J. Allen	6/1 - 8/31	25	9	17,000
Source of Funds: NSF Grant				
Concurrent Employment:				
Mechanical Engineering			Academic	
Associate Professor	6/1 - 8/31	75	<u>Rate</u>	<u>Stipend</u>
(RBC# 3248)			\$ 17,000	\$ 4,249
Project Investigator				
453. James M. Swanson	6/1 - 7/15	50	9	12,200
Source of Funds: NSF Grant				
Concurrent Employment:				
Psychology			Academic	
Assistant Professor	6/1 - 8/31	50	<u>Rate</u>	<u>Stipend</u>
(RBC# 3601)			\$ 12,200	\$ 2,033

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Computer-Based Education Project (Continued)</u>				
Appointment			Academic	
Research Scientist (Faculty)			<u>Rate</u>	<u>Stipend</u>
454. J. Lawrence Fox	7/16 - 8/31	50	\$ 14,700	\$ 1,225
Source of Funds:				
NSF Grant				
Concurrent Employment:				
Zoology				
Assistant Professor	7/16 - 8/31	50	14,700	1,225
(RBC# 3607)				
<u>Computer-Based Education Project and Office of Research Management</u>				
Appointment				
455. Francisco N. Arumi				
Computer-Based Education Project				
NSF Grant Funds				
Project Investigator	6/1 - 7/15	50	9	\$ 13,200
Office of Research Management -				
NSF Grant Funds for Energy				
Assessment Project				
Research Engineer (Faculty)	8/1 - 8/31	100	9	13,200
Concurrent Employment:				
Institute of Latin American				
Studies and Office of the				
Dean, General and Comparative				
Studies				
			<u>Academic</u>	<u>Rate</u>
			<u>Rate</u>	<u>Stipend</u>
Social Science Research				
Associate (Faculty)	7/16 - 7/31	100	\$ 13,200	\$ 732
School of Architecture				
Assistant Professor	6/1 - 7/15	50	13,200	1,100
(RBC# 3817, 3919, 3987, 3818)				
<u>Computer-Based Education Project and Mathematics</u>				
Appointment				
456. James W. Vick				
Computer-Based Education Project				
Project Investigator	6/1 - 6/30	50	9	15,300
Mathematics				
Research Scientist (Faculty)	8/1 - 8/31	100	9	15,300
Source of Funds:				
NSF Grant				
Concurrent Employment:				
Mathematics				
			<u>Academic</u>	<u>Rate</u>
			<u>Rate</u>	<u>Stipend</u>
Assistant Professor	6/1 - 6/30	50	\$ 15,300	\$ 850
(RBC# 3600, 3191)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Name</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
SPONSORED PROJECTS (Continued)				
<u>Computer-Based Education Project and Physics</u>				
Appointment				
457. J. David Gavenda				
Computer-Based Education Project Project Investigator	6/1 - 7/15	50	9	\$ 20,500
Chemistry Research Scientist (Faculty)	7/16 - 8/31	100	9	20,500
Source of Funds: NSF Grant				
Concurrent Employment:				
Chemistry Professor (RBC# 3599, 4126)	6/1 - 7/15	50	Academic Rate	Stipend \$ 20,500 \$ 3,000
<u>Computer-Based Education Project and Mechanical Engineering</u>				
Appointment				
458. Billy V. Koen				
Computer-Based Education Project - NSF Grant Funds Research Engineer (Faculty), Project Investigator	6/1 - 7/31	50	9	13,700
Mechanical Engineering - NASA Contract Funds Research Engineer (Faculty)	8/1 - 8/31	100	9	13,700
Concurrent Employment:				
Mechanical Engineering Associate Professor (RBC# 3243, 3603)	6/1 - 7/31	50	Academic Rate	Stipend \$ 13,700 \$ 1,522
Research Engineer (Faculty)				
459. Lawrence L. Hoberock				
Computer-Based Education Project - NSF Grant Funds	6/1 - 7/31	50	9	14,500
Mechanical Engineering - NASA Contract Funds	8/1 - 8/31	100	9	14,500
Concurrent Employment:				
Mechanical Engineering Assistant Professor (RBC# 3255, 3241)	6/1 - 7/31	50	Academic Rate	Stipend \$ 14,500 \$ 1,610
<u>Computer-Based Education Project and Bureau of Engineering Research</u>				
Appointment				
460. Gary C. Vliet				
Computer-Based Education Project - NSF Grant Funds Project Investigator	6/1 - 8/31	25	9	16,000
Bureau of Engineering Research - Texas Atomic Energy Research Foundation Funds Research Engineer (Faculty)	6/1 - 8/31	50	9	16,000
Concurrent Employment:				
Mechanical Engineering Associate Professor (RBC# 3209, 3263)	6/1 - 8/31	25	Academic Rate	Stipend \$ 16,000 \$ 1,332

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Division of Natural Resources and Environment - Marine Science Institute</u>				
Appointment				
Research Scientist (Faculty)				
461. Chase VanBaalen	6/1 - 7/15	100	9	\$ 18,000
Source of Funds: NSF Grant				
Academic Status: Professor (Botany) (RBC# 3741)				
Research Scientist (Faculty)				
462. E. William Behrens	6/1 - 6/30	100	9	14,418
Source of Funds: U.S. Army Contract				
Academic Status: Associate Professor (Geological Sciences) (RBC# 3774)				
Research Scientist (Faculty)				
463. J. A. C. Nicol	6/1 - 7/31	100	9	28,836
Source of Funds: NSF Grant				
Academic Status: Professor (Zoology) (RBC# 3733)				
<u>Division of Research in Transportation</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
464. Charles W. Clifton	6/15 - 7/14	100	9	13,700
Source of Funds: U.S. Department of Transportation Contract				
Academic Status: Assistant Professor (Economics) (RBC# 3811)				
Social Science Research				
Associate (Faculty)				
465. James A. Fitzsimmons	6/1 - 8/15	100		Academic Rate Stipend \$ 14,700 \$ 3,050
Source of Funds: U.S. Department of Transportation Grant				
Academic Status: Assistant Professor (Management) (RBC# 3598)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Division of Research in Transportation (Continued)</u>				
Appointment				
Research Scientist (Faculty)				
466. Mark I. Alpert	6/1 - 8/31	100	9	\$ 15,250
Source of Funds: U.S. Department of Transportation Grant				
Academic Status: Associate Professor (Marketing Administration) (RBC# 4001)				
Social Science Research Associate (Faculty)			Academic	
467. Ronald Briggs	6/1 - 8/15	100	<u>Rate</u>	<u>Stipend</u>
			\$ 12,200	\$ 3,050
Source of Funds: U.S. Department of Transportation Grant				
Academic Status: Assistant Professor (Geography) (RBC# 3673)				
Social Science Research Associate (Faculty)				
468. Charlotte Clarke	7/16 - 8/31	100	12	14,736
Source of Funds: U.S. Department of Transportation Grant				
Academic Status: Assistant Professor (Graduate School of Social Work) (RBC# 3777)				
<u>Electronics Research Center</u>				
Appointment				
Research Engineer (Faculty)				
469. Stephen A. Szygenda	6/1 - 8/31	50	9	21,000
Source of Funds: U.S. Air Force Contract				
Concurrent Employment: Electrical Engineering Professor			Academic	
(RBC# 3682, 4043)	6/1 - 8/31	50	<u>Rate</u>	<u>Stipend</u>
			\$ 21,000	\$ 3,000
Research Engineer (Faculty)				
470. Baxter F. Womack	6/1 - 8/31	50	9	17,000
Source of Funds: U.S. Air Force Contract				
Concurrent Employment Electrical Engineering Associate Professor			Academic	
(RBC# 4142, 3566)	6/1 - 8/31	50	<u>Rate</u>	<u>Stipend</u>
			\$ 17,000	\$ 2,833

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Electronics Research Center (Continued)</u>				
Appointment				
Research Engineer (Faculty)				
471. Lothar W. Frommhold	6/1 - 7/31	25	9	\$ 17,000
	8/1 - 8/31	100		
Source of Funds: U.S. Air Force Contract				
Concurrent Employment:				
Physics				
Professor	6/1 - 7/31	75	Academic Rate	Stipend
(RBC# 4007, 4008, 3560)			\$ 17,000	\$ 2,833
Research Engineer (Faculty)				
472. Frank G. Collins	6/1 - 7/31	25	9	12,000
	8/1 - 8/31	100		
Source of Funds: U.S. Air Force Contract				
Concurrent Employment:				
Aerospace Engineering and Engineering Mechanics				
Assistant Professor	6/1 - 7/31	75	Academic Rate	Stipend
(RBC# 4027, 4026, 3767)			\$ 12,000	\$ 2,000
Research Engineer (Faculty)				
473. Philip C. Richardson	6/1 - 8/31	50	9	16,500
Source of Funds: U.S. Air Force Contract				
Academic Status: Associate Professor (Electrical Engineering) (RBC# 4031, 3563)				
Research Engineer (Faculty)				
474. William W. Robertson	6/1 - 7/15	100	9	20,000
Source of Funds: U.S. Air Force Contract				
Academic Status: Professor (Physics) (RBC# 3995, 4006)				
Research Engineer (Faculty)				
475. Edward J. Powers	6/1 - 8/31	50	9	15,800
Source of Funds: U. S. Air Force Contract				
Concurrent Employment:				
Electrical Engineering				
Associate Professor	6/1 - 8/31	50	Academic Rate	Stipend
(RBC# 4134, 3582)			\$ 15,800	\$ 2,633

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Electronics Research Center (Continued)</u>				
Reappointment				
Director				
476. Arwin A. Dougal	7/1 - 8/31	100	9	\$ 27,200
Source of Funds: U.S. Air Force Contract				
Previous appointment was at the same rate.				
Academic Status: Professor (Electrical Engineering) (RBC# 4019)				
<u>Electronics Research Center and Electrical Engineering, Biomedical Engineering Program</u>				
Appointment				
Research Engineer (Faculty)				
477. Ashley J. Welch	6/1 - 8/31	100	9	16,900
Electronics Research Center	6/1 - 8/31	50		
Electrical Engineering - Biomedical Engineering Program	6/1 - 8/31	50		
Source of Funds: U. S. Air Force Contracts				
Academic Status: Associate Professor (Electrical Engineering) (RBC# 3418, 3687, 4037)				
<u>Engineering Mechanics Research Laboratory</u>				
Appointment				
Principal Investigator (Faculty)				
478. Lyle G. Clark	6/1 - 7/31	25	9	21,200
	8/1 - 8/31	100		
Source of Funds: NSF Grant				
Concurrent Employment: Aerospace Engineering and Engineering Mechanics - Engineering Mechanics Division Professor				
	6/1 - 7/31	75		
(RBC# 3414, 3393)				
<u>Environmental Health Engineering</u>				
Appointment				
Associate Professor				
479. Michael J. Humenick	6/1 - 6/30	25	9	14,700
Source of Funds: U. S. Army Contract				
Concurrent Employment: Civil Engineering Associate Professor				
	6/1 - 7/31	75		
(RBC# 4014)				
			Academic	
			Rate	Stipend
			\$ 21,200	\$ 3,000
			Academic	
			Rate	Stipend
			\$ 14,000	\$ 2,450

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Environmental Health Engineering and Center for Research in Water Resources</u>				
Appointment				
Research Engineer (Faculty)				
480. Joseph F. Malina, Jr.				
Environmental Health Engineering - U. S. Army Contract Funds	6/1 - 6/30	50	9	\$ 17,700
Center for Research in Water Resources - Interagency Contract Funds	7/1 - 8/31	50	9	17,700
Concurrent Employment: Civil Engineering Professor (RBC# 2691, 4034)	6/1 - 8/31	50		
			Academic	
			Rate	Stipend
			\$ 17,700	\$ 2,950
<u>Laboratory for Computer-Assisted Instruction</u>				
Appointment				
Research Scientist (Faculty)				
481. Frank C. Richardson	7/16 - 8/31	100	9	11,800
Source of Funds: NSF Grant				
Academic Status: Assistant Professor (Educational Psychology) (RBC# 3436)				
<u>Linguistics Research Center</u>				
Appointment				
Director				
482. Winfred P. Lehmann	6/1 - 6/30	100		
Academic Status: Ashbel Smith Professor (Linguistics) and (Germanic Languages) (RBC# 3245)				
<u>Population Research Center</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
483. Dudley L. Poston, Jr.	7/16 - 8/31	100	9	12,100
Source of Funds: Interagency Contract				
Academic Status: Assistant Professor (Sociology) (RBC# 4186)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Population Research Center (Continued)</u>				
Reappointment				
Director				
484. Harley L. Browning	6/1 - 7/15	100	9	\$ 16,600
Source of Funds: U. S. Department of Labor Contract				
Previous appointment was at the same rate.				
Academic Status: Professor (Sociology) (RBC# 3778)				
<u>Research and Development Center for Teacher Education</u>				
Appointment				
Research Scientist (Faculty)				
485. Shirley L. Menaker	6/1 - 7/15	100	9	13,300
Source of Funds: Office of Education Contract				
Academic Status: Associate Professor (Educational Psychology) (RBC# 3417)				
Research Scientist (Faculty)				
486. Lilla J. York	7/16 - 8/31	100	9	16,000
Source of Funds: Office of Education Contract				
Academic Status: Associate Professor (Curriculum and Instruction) (RBC# 3420)				
Research Scientist (Faculty)				
487. Edmund T. Emmer	7/16 - 8/31	50		
Source of Funds: Office of Education Contract				
Concurrent Employment: Educational Psychology Associate Professor (RBC# 3388)				
	7/16 - 8/31	50	13,900	1,158
Research Scientist (Faculty)				
488. Jere E. Brophy	7/16 - 8/31	100	9	14,000
Source of Funds: Office of Education Contract				
Academic Status: Associate Professor (Educational Psychology) (RBC# 3398)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Research and Development Center for Teacher Education (Continued)</u>				
Reappointment				
Co-ordinator (Faculty)				
489. Frances F. Fuller	6/1 - 7/15	100	9	\$ 17,500
Source of Funds: Office of Education Contract				
Previous appointments were at the same rate.				
Academic Status: Professor (Educational Psychology) (RBC# 3458)				
Reappointment and Resignation				
Director, Program Planning and Evaluation				
490. Richard C. Wallace, Jr.				
Appointment: U. S. Department of Housing and Urban Development Funds				
	7/1 - 7/15	20	12	28,500
Resignation: USPHS Contract Funds				
Original appointment:				
	3/1 - 8/31	80	12	28,500
Date of Resignation (RBC# 4042, 3734)				
	7/15/73			
Change of Status				
Social Science Research Associate (Faculty)				
491. Julienne K. Pendleton				
To:				
	3/1 - 5/31	50	9	9,500
	6/1 - 8/31	75		
From:				
	3/1 - 8/31	50	9	9,500
Source of Funds: Office of Education Contract				
Academic Status: Instructor (Mathematics) (RBC# 2970)				
<u>Science Education Center</u>				
Appointment				
Instructor				
492. Don E. Borron	6/1 - 7/31	75	9	12,520
Source of Funds: NSF Grant (RBC# 3259)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Science Education Center (Continued)</u>				
Appointment			Academic	
Instructor			<u>Rate</u>	<u>Stipend</u>
493. Julia R. Riggs	6/1 - 7/31	75	\$ 12,800	\$ 2,133
Source of Funds: NSF Grant (RBC# 4174)				
Project Director				
494. Addison E. Lee	6/1 - 8/31	67	9	\$ 25,500
Source of Funds: NSF Grant				
Concurrent Employment: Science Education Center Director				
	9/1 - 8/31	33	12	34,000
Academic Status: Professor (Curriculum and Instruction) (RBC# 3242)				
Research Associate (Faculty)				
495. Earl J. Montague	7/16 - 8/31	100	9	17,100
Source of Funds: NSF Grant				
Academic Status: Professor (Curriculum and Instruction) (RBC# 3216)				
<u>Special Education Instruction</u> <u>Materials Center</u>				
Appointment				
Research Director (Faculty)				
496. John A. McLaughlin	6/1 - 8/31	100	12	16,666
Source of Funds: Office of Education Contract				
Academic Status: Assistant Professor (Special Education) (RBC# 3009)				
<u>Student Science Training Program</u>				
Appointment			Twelve	
Assistant Director			<u>Month</u>	
497. Alfred O. Boemer	6/18 - 8/18	100	<u>Rate</u>	<u>Stipend</u>
			\$ 10,800	\$ 1,800
Source of Funds: NSF Grant (RBC# 3416)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Training of Teachers of Handicapped Children and Youth</u>				
Appointment				
Assistant Professor			Academic	
498. Anne S. Cooney	7/16 - 8/31	100	Rate	Stipend
			\$ 12,200	\$ 2,033
Source of Funds: Office of Education Contract				
Academic Status: Assistant Professor (Special Education) (RBC# 3065)				
Instructor			Academic	
499. Marilyn S. Hinojosa	7/16 - 8/31	55	Rate	Stipend
			\$ 10,200	\$ 943
Source of Funds: Office of Education Contract				
Concurrent Employment: Special Education				
Instructor	7/16 - 8/31	44	10,200	943
(RBC# 3247)				
Reappointment				
Assistant Professor				
500. Judith Agard	6/1 - 8/31	---	9	(\$ 12,000)
Salary paid by Indiana University under Project PRIME				
Academic Status: Assistant Professor (Special Education) (RBC# 3064)				
<u>Industrial and Business Training Bureau</u>				
Appointment and Salary Increase				
Project Administrator				
501. Buel R. Lyle	5/1 - 8/31	100	12	14,476
Source of Funds: Office of Education Contract				
Previous appointment:				
			12	14,000
Rate Increase				
(RBC# 3998)			<u>12</u>	<u>476</u>
Instructor				
502. Earl L. Hammett	5/1 - 5/31	100	12	13,500
	6/1 - 8/31	100	12	<u>13,959</u>
Source of Funds: Office of Education Contract				
Rate Increase				
(RBC# 3999,4000)			<u>12</u>	<u>459</u>

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>SPONSORED PROJECTS (Continued)</u>				
<u>Industrial and Business Training Bureau (Continued)</u>				
Change of Status				
Instructor				
503. Daniel A. Moulton, III				
To:	2/1 - 4/30	25	12	\$ 7,700
	5/1 - 8/31	100		
From:	2/1 - 8/31	25	12	7,700
(RBC# 3749)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>AUXILIARY ENTERPRISES</u>				
<u>Intercollegiate Athletics</u>				
Appointment				
Assistant Baseball Coach 504. William L. Bethea	6/1 - 8/31	67	9	\$ 10,200
Academic Status: Instructor (Health, Physical Education and Recreation) (RBC# 3148)				
<u>Division of Housing and Food Service - Jester Center Halls</u>				
Appointment				
Assistant Director of Housing and Director of Jester Center and Men's Residence Halls 505. Richard H. Strait (RBC# 3970)	7/16 - 8/31	100	12	15,384
<u>Intramural Sports for Men</u>				
Appointment				
Director of Intramural Sports 506. Betty A. Thompson	6/1 - 8/31	100	9	16,000
Academic Status: Professor (Health, Physical Education and Recreation) (RBC# 3040)				
<u>Intramural Sports for Women</u>				
Appointment				
Associate Director of Intramurals - Women 507. Carolyn Hewatt	6/1 - 7/15	75	9	12,700
Source of Funds: Intramural Sports for Men - Salaries Account				
Academic Status: Associate Professor (Health, Physical Education and Recreation) (RBC# 3039)				
<u>Senior Cabinet and Student Councils</u>				
Transfer of Funds				
508. Amount of Transfer - \$ 588				
To: Business Administration Council (\$ 138) Communications Council (\$ 200) Student Bar Association (\$ 250)				
From: Senior Cabinet - Budget Adjustments (RBC# 2825, 2826, 2827)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>AUXILIARY ENTERPRISES (Continued)</u>				
<u>Student Government</u>				
Transfer Between Dissimilar Appropriations				
509. Amount of Transfer - \$ 900				
To: Student Government Election Commission				
From: Student Government Salaries (RBC# 3582)				
<u>Student Government Offices</u>				
<u>Appointment</u>				
<u>Administrative Assistant</u>				
510. Mark L. Perlmutter (RBC# 3042)	4/1 - 5/31	PT	<u>Stipend</u> \$ 300	
<u>Student Government Administrative Assistant</u>				
511. William A. Mintz (RBC# 3803, 3041)	4/1 - 5/31 6/1 - 8/31	PT PT	<u>Stipend</u> \$ 300 225	
<u>Student Government President</u>				
512. Barnett A. Kress (RBC# 3813, 3038)	4/1 - 5/31 6/1 - 8/31	PT PT	<u>Stipend</u> \$ 600 525	
<u>Financial Director</u>				
513. Alexander Shtofman (RBC# 3810, 3037)	4/1 - 5/31 6/1 - 8/31	PT PT	<u>Stipend</u> \$ 150 150	
<u>Administrative Assistant (Temporary)</u>				
514. Cathy D. Brannon (RBC# 3958)	6/1 - 8/31	PT	<u>Stipend</u> \$ 225	
<u>Reappointment</u>				
<u>Student Government Vice-President</u>				
515. Cappy R. McGarr (RBC# 3802)	6/1 - 8/31	PT	<u>Stipend</u> \$ 300	
<u>Student Health Center</u>				
<u>Leave of Absence</u>				
<u>Physician, General Medicine</u>				
516. Jimmy L. Breazeale Term of Leave (RBC# 3045)	9/1 - 8/31 7/1 - 8/31	100	12	\$ 23,600
<u>Physician, Specialist, Gynecology</u>				
517. J. William Hearn Term of Leave (RBC# 3580)	9/1 - 8/31 8/21 - 8/31	100	12	24,000
<u>Physician, General Medicine</u>				
518. Philip A. Bergman Term of Leave (RBC# 3043)	9/1 - 8/31 7/17 - 7/31	100	12	22,600

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>AUXILIARY ENTERPRISES (Continued)</u>				
<u>Student Health Center (Continued)</u>				
Transfer Between Dissimilar Appropriations				
519. Amount of Transfer - \$ 45,000				
To: Other Operating Expenses				
From: Salaries (RBC# 4107)				
<u>Texas Student Publications</u>				
Transfer Between Dissimilar Appropriations				
520. Amount of Transfer - \$ 4,700				
To: General Overhead - Wages - (\$ 3,000) New Magazine - Wages - (\$ 1,700)				
From: General Overhead - Other Expenses - (\$ 3,000) New Magazine - Other Expenses - (\$ 1,700) (RBC# 2805, 2806)				
<u>Texas Union</u>				
Transfer Between Dissimilar Appropriations				
521. Amount of Transfer - \$ 9,041				
To: Other Expenses				
From: Allocation for Budget Adjustments (\$ 1,541) Salaries and Wages (\$ 7,500) (RBC# 3894)				
<u>Marine Science Institute</u>				
Interdepartmental Transfer				
522. Amount of Transfer - \$ 95				
To: Marine Science Institute (Union Fees)				
From: Texas Union - Other Expenses (RBC# 2824)				
<u>Health, Physical Education and Recreation</u>				
Appointment			Academic	
Assistant Professor			Rate	Stipend
523. Rosemary Slacks	6/1 - 7/15	100	\$ 10,700	\$ 1,311
Source of Funds: Non-student Summer Program (RBC# 3731)				
Assistant Professor				
524. Jo Spearman	6/1 - 7/15	100	10,700	1,074
Source of Funds: Non-student Summer Program (RBC# 3915)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>AUXILIARY ENTERPRISES (Continued)</u>				
<u>Health, Physical Education and Recreation (Continued)</u>				
Appointment			Academic	
Associate Professor			Rate	Stipend
525. Joe C. Bowling	6/1 - 7/15	100	\$ 11,200	\$ 1,563
Source of Funds: Non-student Summer Program (RBC# 3773)				
Instructor				
526. Margaret A. Fullilove	6/1 - 7/15	20	9,700	226
Source of Funds: Non-student Summer Program (RBC# 3757)				
Instructor				
527. Nelda J. Burke	6/1 - 7/15	PT	9,300	1,055
Source of Funds: Non-student Summer Program				
Concurrent Employment: Health, Physical Education and Recreation - Summer Session Budget				
Instructor	6/1 - 7/15	25	9,300	390
(RBC# 3798)				

CURRENT RESTRICTEDSchool of Architecture

Appointment			<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
Research Scientist			9	\$ 9,000
528. Bodo Rasch	6/1 - 8/31	50		
Source of Funds: Current Restricted Funds for the School of Architecture - "America is Beautiful" Various Donors Account				
Academic Status: Instructor (School of Architecture) (RBC# 4062)				

Psychology

Appointment				
Social Science Research Associate (Faculty)				
529. Joseph M. Horn	6/1 - 7/15	100	9	12,700
Source of Funds: Hogg Foundation for Mental Health Grant				
Academic Status: Assistant Professor (Psychology) (RBC# 3153)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED (Continued)</u>				
<u>Chemistry</u>				
Appointment			<u>Academic Rate</u>	<u>Stipend</u>
Project Director				
530. Leon O. Morgan	6/1 - 7/31	100	\$ 19,700	\$ 2,500
Source of Funds: Welch Foundation Grant				
Academic Status: Professor (Chemistry) (RBC# 3492)				
Research Scientist (Faculty)				
531. Stephen A. Monti	7/1 - 8/31	100	13,900	2,000
Source of Funds: Welch Foundation Grant				
Academic Status: Associate Professor (Chemistry) (RBC# 3750)				
Research Scientist (Faculty)				
532. Raymond E. Davis	6/1 - 8/31	50	14,200	1,875
Source of Funds: Welch Foundation Grant				
Concurrent Employment: Chemistry				
Associate Professor (RBC# 4056)	6/1 - 8/31	50	14,200	2,366
Research Scientist (Faculty)				
533. Conrad Cone	6/1 - 7/31	100	10,700	2,333
Source of Funds: Welch Foundation Grant				
Academic Status: Assistant Professor (Chemistry) (RBC# 3804)				
Research Scientist (Faculty)				
534. James E. Boggs	6/1 - 7/31	100	19,200	2,500
Source of Funds: Welch Foundation Grant				
Academic Status: Professor (Chemistry) (RBC# 3144)				
Research Scientist (Faculty)				
535. Clifford A. L. Becker	6/1 - 7/31	100	9	\$ 10,700
Source of Funds: Welch Foundation Grant				
Academic Status: Assistant Professor (Chemistry) (RBC# 3149)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED (Continued)</u>				
<u>Chemistry (Continued)</u>				
Appointment				
Research Scientist (Faculty)			Academic	
536. Nathan L. Bauld	6/1 - 7/31	25	<u>Rate</u>	<u>Stipend</u>
	8/1 - 8/31	100	\$ 16,500	\$ 625
			16,500	1,250
Source of Funds: Welch Foundation Grant				
Concurrent Employment: Chemistry				
Professor	6/1 - 7/31	75	16,500	2,750
(RBC# 4057, 4058)				
Research Scientist (Faculty)				
537. Stephen E. Webber				
Welch Foundation Grant Funds	6/1 - 7/31	100	12,900	2,500
<u>Full-time Salary</u>				
			<u>No. Mos.</u>	<u>Rate</u>
Government Contract- NSF Funds	8/1 - 8/31	100	9	\$ 12,900
Academic Status: Associate Professor (Chemistry) (RBC# 2844, 4215)				
Research Scientist (Faculty)			Academic	
538. John C. Gilbert	7/16 - 8/31	100	<u>Rate</u>	<u>Stipend</u>
			\$ 12,900	\$ 1,500
Source of Funds: Welch Foundation Grant				
Academic Status: Associate Professor (Chemistry) (RBC# 2949, 2950)				
Research Scientist (Faculty)				
539. Philip L. Stotter	6/1 - 7/15	100	11,700	1,875
Source of Funds: Welch Foundation Grant				
Academic Status: Assistant Professor (Chemistry) (RBC# 3902, 3157)				
<u>Geological Sciences</u>				
Appointment				
Principal Investigator (Faculty)				
540. Lynton S. Land	8/1 - 8/31	100	14,700	1,400
Source of Funds: American Chemical Society Grant				
Academic Status: Associate Professor (Geological Sciences) (RBC# 3617)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED (Continued)</u>				
<u>Microbiology</u>				
Appointment				
Research Scientist (Faculty)				
541. Paul J. Szaniszlo	6/1 - 8/31	42	9	\$ 14,200
Source of Funds: Eli Lilly Grant				
Academic Status: Assistant Professor (Microbiology) (RBC# 4191, 4060)				
Research Scientist (Faculty)			Academic	
542. Martin R. Venneman	6/1 - 8/31	100	<u>Rate</u> \$ 11,200	<u>Stipend</u> \$ 3,000
Source of Funds: Eli Lilly Grant				
Academic Status: Assistant Professor (Microbiology) (RBC# 3158)				
<u>Physics</u>				
Appointment				
Research Scientist (Faculty)				
543. George E. Fredericks	6/1 - 7/31	50	12,200	1,250
Source of Funds: Welch Foundation Grant				
Concurrent Employment: Physics				
Assistant Professor	6/1 - 8/31	50	12,200	2,033
(RBC# 3143)				
<u>Accounting</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
544. Ray M. Sommerfeld	7/16 - 8/31	100	21,700	1,800
Source of Funds: Arthur Young Professorship Fund				
Academic Status: Professor (Accounting) (RBC# 4061)				
545. Edward Deakin				
Current Restricted Funds for Accounting; Various Donors - Various Purposes Account				
Social Science Research				
Associate (Faculty)	6/1 - 7/15	100	14,200	1,185
Academic Development Funds for College of Business Administration				
Assistant Professor	7/16 - 8/31	100	14,200	2,366
Academic Status: Assistant Professor (Accounting) (RBC# 3049, 3152)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED (Continued)</u>				
<u>Finance</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
546. Lawrence L. Crum	6/1 - 7/15	100	Academic Rate \$ 22,000	Stipend \$ 2,500
Source of Funds: Texas Bankers Association, Trust Division Grant				
Academic Status: Professor (Finance) (RBC# 3146)				
<u>Management</u>				
Appointment				
Social Science Research				
Associate (Faculty)				
547. Floyd S. Brandt	6/1 - 8/31	100	Full-time Salary No. Mos. 9	Rate \$ 21,500
Source of Funds: Current Restricted funds for Program in Business for French Educators				
Academic Status: Professor (Management) (RBC# 3768)				
<u>Journalism</u>				
Appointment				
Research Associate (Faculty)				
548. Norris G. Davis	7/16 - 8/31	50	Academic Rate \$ 21,500	Stipend \$ 1,500
Source of Funds: Paul J. Thompson - DeWitt C. Reddick Society Grant				
Academic Status: Professor (Journalism) (RBC# 3638)				
<u>Art Teaching Gallery</u>				
Transfer of Funds				
549. Amount of Transfer - \$ 50,000				
To: Archer M. Huntington Museum Fund				
From: Huntington Fund- Securities Income Account (RBC# 2587)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED (Continued)</u>				
<u>Bureau of Engineering Teaching</u>				
Appointment				
Associate Professor				
550. James E. Stice	6/1 - 8/31	50	9	\$ 16,850
Source of Funds: Moody Foundation Grant				
Concurrent Employment: Office of the Dean, College of Engineering Director, Bureau of Engineering Teaching				
	6/1 - 8/31	50	9	16,850
Academic Status: Associate Professor (Chemical Engineering) (RBC# 3744)				
<u>College of Business Administration</u>				
<u>Foundation</u>				
Transfer of Funds				
551. Amount of Transfer - \$ 3,200				
To: Information Technology Management Program				
From: Anonymous Gifts Account (RBC# 3585, 3848)				
<u>Cell Research Institute</u>				
Appointment				
Director (Faculty)				
552. W. Gordon Whaley	6/15 - 8/15	100	9	33,000
Source of Funds: Faith Foundation Grant				
Academic Status: Ashbel Smith Professor (Botany) (RBC# 3787)				
<u>Faith Foundation Grant</u>				
Transfer of Funds				
553. Amount of Transfer - \$ 20,518				
To: Cell Research Institute				
From: Faith Foundation Grant Funds (RBC# 3846, 3859)				
<u>Research and Development Center</u>				
<u>for Teacher Education</u>				
Resignation				
Assistant Director				
554. Hilton R. Pankratz	12/1 - 8/31	100	12	18,000
Date of Resignation (RBC# 3901)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
<u>CURRENT RESTRICTED (Continued)</u>				
<u>President's Associates</u>				
Transfer of Funds				
555. Amount of Transfer - \$ 6,517				
To: Various Donors Scholarship Accounts - Arts and Sciences Foundation (\$ 1,517) John Charles Townes Scholarships and Fellowships in Law (\$ 5,000)				
From: President's Associates (\$ 6,517) (RBC# 3604, 3876)				
<u>Hogg Foundation for Mental Health</u>				
Transfer of Funds				
556. Amount of Transfer - \$ 17,710				
To: Hogg Foundation for Mental Health - Salaries (\$ 210) Maintenance and Operation (\$ 17,500)				
From: W. C. Hogg Foundation Unallocated Account (RBC# 2918, 2919, 3872)				
<u>AGENCY FUNDS</u>				
<u>Winedale Inn</u>				
557. Lonn Taylor	9/1 - 8/31	100	12	\$ 8,328
Change Title Only:				
To: Director				
From: Art Curator and Educational Director				
Effective Date - 6/1/73 (RBC# 3691)				

1973 SUMMER SESSION BUDGET AMENDMENTS

First Term (6 weeks): June 1, 1973 - July 15, 1973

Second Term (6 weeks): July 16, 1973 - August 31, 1973

9 Weeks Courses: June 1, 1973 - July 31, 1973

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>SCHOOL OF ARCHITECTURE</u>				
Appointment				
Instructor				
1. Jon H. Thompson (Non-tenure) (RBC# 3532)	7/16 - 8/31	100	\$ 9,000	\$ 1,500
Appointment				
Instructor				
2. Guillermo Torres (Non-tenure) (RBC# 3552)	7/16 - 8/31	100	9,000	1,500
Appointment				
Associate Professor				
3. Peter O. Coltman (Tenure) (RBC# 3527)	6/1 - 7/15	100	15,400	2,566
Appointment				
Instructor				
4. Janice L. Craig (Non-tenure) (RBC# 3611)	6/1 - 7/15	100	9,000	400
Appointment				
Instructor				
5. Joe N. Ellis (Non-tenure) (RBC# 3528)	6/1 - 7/15	100	9,000	1,500
Appointment				
Instructor				
6. Edward D. Lee (Non-tenure) (RBC# 3531)	6/1 - 7/15	100	9,000	1,500
Change of Status				
Assistant Professor				
7. Kelly R. McAdams (Non-tenure)				
To:	6/1 - 7/15	50	10,200	850
From:	6/1 - 7/15	25	10,200	425
(RBC# 3700)				
Change of Status				
Assistant Professor				
8. Terry D. Kahn (Non-tenure)				
To:	7/16 - 8/31	100	12,200	2,033
From:	6/1 - 7/15	100	12,200	2,033
(RBC# 3529)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>SCHOOL OF ARCHITECTURE (Continued)</u>				
Change of Status				
Assistant Professor				
9. Francisco Arumi (Non-tenure)				
To:	6/1 - 7/15	50	\$ 13,200	\$ 1,100
From:	7/16 - 8/31	50	13,200	1,100
Funds allocated for Dr. Arumi's original Summer Session appointment were used for the appointment of another faculty member. His subsequent appointment for first term, Summer Session required a transfer from Unallocated Summer Session.				
Concurrent Employment:				
Computer Based Education Project				
Project Investigator	6/1 - 7/15	50	13,200	1,100
(RBC# 3820, 2739)				
Resignation				
Professor				
10. Leon M. Cole (Tenure)				
	7/16 - 8/31	100	19,900	3,000
Remove from Summer Session Budget. (RBC# 3526)				
Resignation				
Assistant Professor				
11. Pliny Fisk, III (Non-tenure)				
	7/16 - 8/31	100	10,000	1,666
Remove from Summer Session Budget. (RBC# 3530)				
Transfer of Funds				
12. Amount of Transfer - \$ 5,153				
To: Architecture - Faculty Salaries				
From: Unallocated Summer Session (RBC# 2814)				
<u>COLLEGE OF HUMANITIES</u>				
<u>Classics</u>				
Appointment				
Professor				
13. James R. Wiseman (Tenure)				
	6/1 - 7/31	100	19,000	4,000
Source of Funds: Transfer from Unallocated Summer Session (RBC# 2745, 3084)				
Appointment				
Professor				
14. Peter M. Green (Tenure)				
	6/1 - 7/15	100	25,000	3,000
Source of Funds: Departmental Faculty Salaries and Transfer from the Dean's Reserve (RBC# 3018, 2911)				
Resignation				
Assistant Professor				
15. Charles J. Doria (Non-tenure)				
	6/1 - 7/15	100	12,200	2,033
Remove from Summer Session Budget. (RBC# 3019)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>Classics (Continued)</u>				
Interdepartmental Transfer				
16. Amount of Transfer - \$ 1,000				
To: Classics - Teaching Assistants				
From: Dean's Reserve (RBC# 3124)				
<u>English</u>				
Appointment				
Associate Professor				
17. Bernth O. Lindfors (Tenure) (RBC# 3015)	7/16 - 8/31	100	\$ 14,700	\$ 2,450
Appointment				
Instructor				
18. James C. Raymond (Non-tenure) (RBC# 3028)	6/1 - 7/15	100	9,000	1,500
Appointment				
Visiting Associate Professor				
19. Bryan G. Dobbs (Non-tenure) (RBC# 3016)	6/1 - 7/15	100	20,000	3,000
Appointment				
Associate Professor				
20. Karl Ames (Tenure) (RBC# 2868)	7/16 - 8/31	100	14,200	2,366
Appointment				
Professor				
21. Roger D. Abrahams (Tenure)	6/1 - 7/15	100	22,000	3,000
Source of Funds: Transfer from Dean's Reserve (RBC# 2877, 2820)				
Appointment				
Assistant Professor				
22. Gary N. Underwood (Non-tenure) (RBC# 3020)	6/1 - 7/15	100	13,000	2,166
Appointment				
Assistant Professor				
23. Carl L. Wood (Non-tenure) (RBC# 3022)	7/16 - 8/31	100	11,000	1,833
Change of Status				
Assistant Professor				
24. Mary Flannery (Non-tenure)				
To:	7/16 - 8/31	100	11,600	1,933
From: (RBC# 3017)	6/1 - 7/15	100	11,600	1,933
Change of Status				
Associate Professor				
25. James B. Ayres (Tenure)				
To:	7/16 - 8/31	100	15,500	2,583
From: (RBC# 2869)	6/1 - 7/15	100	15,500	2,583

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>English (Continued)</u>				
Change of Status				
Assistant Professor				
26. Jerome F. A. Bump (Non-tenure)				
To:	6/1 - 7/15	100	\$ 11,900	\$ 1,983
From:	7/16 - 8/31	100	11,900	1,983
(RBC# 3622, 3701)				
Change of Status				
Associate Professor				
27. Warwick Wadlington (Tenure)				
To:	6/1 - 7/15	100	14,000	2,333
From:	7/16 - 8/31	100	14,000	2,333
(RBC# 3344, 3631)				
Change of Status				
Assistant Professor				
28. Susan Wittig (Non-tenure)				
To:	6/1 - 7/15	100	11,000	1,833
From:	7/16 - 8/31	100	11,000	1,833
(RBC# 3025)				
Resignation				
Associate Professor				
29. William L. Nance (Tenure)	7/16 - 8/31	100	12,700	2,116
Remove from Summer Session Budget.				
(RBC# 3027)				
Resignation				
Professor				
30. Robert N. Megaw (Tenure)	7/16 - 8/31	100	26,500	3,000
Remove from Summer Session Budget.				
(RBC# 3024)				
Resignation				
Associate Professor				
31. Anthony C. Hilfer (Tenure)	6/1 - 7/15	100	13,700	2,283
Remove from Summer Session Budget.				
(RBC# 3023)				
Resignation				
Professor				
32. David DeCamp (Tenure)	6/1 - 7/15	100	19,500	3,000
Remove from Summer Session Budget.				
(RBC# 3026)				
Transfer of Funds				
33. Amount of Transfer - \$ 15,847				
To: English - Faculty Salaries (\$ 10,015)				
Teaching Assistants (\$ 5,332)				
Maintenance and Operation (\$ 500)				
From: Unallocated Summer Session				
(RBC# 3380, 3591)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>French and Italian</u>				
Appointment				
Associate Professor				
34. Madeleine Derdeyn-Joseph (Tenure)	6/1 - 7/15	100	\$ 11,000	\$ 1,833
Source of Funds:				
Departmental Faculty Salaries and Transfer from the Dean's Reserve (RBC# 3635, 3125)				
Change of Status				
Associate Professor				
35. Joy M. Potter (Tenure)				
To:	6/1 - 7/15	100	14,200	2,366
From:	7/16 - 8/31	100	14,200	2,366
(RBC# 3031)				
Change of Status				
Assistant Instructor				
36. Thelma S. Fenster (Non-tenure)				
To:	7/16 - 8/31	100	8,000	1,333
From:	6/1 - 7/15	100	8,000	1,333
(RBC# 3173)				
Resignation				
Assistant Instructor				
37. Janine S. Rosser (Non-tenure)	6/1 - 7/15	100	8,000	1,333
Remove from Summer Session Budget. (RBC# 3343)				
Resignation				
Instructor				
38. Giovanni DiNicola (Non-tenure)	6/1 - 7/15	100	10,000	1,666
Remove from Summer Session Budget. (RBC# 3029)				
Interdepartmental Transfer				
39. Amount of Transfer - \$ 933				
To: French and Italian - Teaching Assistants				
From: Dean's Reserve (RBC# 3592)				
<u>Germanic Languages</u>				
Change of Status				
Associate Professor				
40. Don C. Travis (Tenure)				
To:	6/1 - 7/15	100	12,700	2,116
From:	7/16 - 8/31	100	12,700	2,116
(RBC# 3916)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>Germanic Languages (Continued)</u>				
Resignation				
Associate Professor				
41. Francis Bulhof (Tenure)	7/16 - 8/31	100	\$ 12,700	\$ 2,116
Remove from Summer Session Budget. (RBC# 3030)				
Interdepartmental Transfer				
42. Amount of Transfer - \$ 2,333				
To: Germanic Languages - Teaching Assistants				
From: Dean's Reserve (RBC# 3662, 4051)				
<u>Oriental and African Languages and Literatures</u>				
Appointment				
Assistant Professor				
43. Herman H. Van Olphen (Non-tenure)	7/16 - 8/31	100	11,300	1,883
Source of Funds: Transfer from the Dean's Reserve (RBC# 3936, 3032, 2815, 3716)				
Appointment				
Associate Professor				
44. Andre Sjoberg (Tenure)	7/16 - 8/31	---	(15,000)	---
(RBC# 3887)				
Appointment				
Instructor				
45. Roy B. Blizzard (Non-tenure)	6/1 - 7/15	---	(10,200)	---
(RBC# 4071)				
Appointment				
Associate Professor				
46. Sian Yen (Tenure)	6/1 - 8/5	---	(12,000)	---
(RBC# 4077)				
Appointment				
Professor				
47. Sumitra M. Katre (Tenure)	6/1 - 7/15	---	(18,000)	---
(RBC# 4074)				
Appointment				
Assistant Professor				
48. Carolyn A. Parker (Non-tenure)	7/16 - 8/31	100	10,500	1,750
(RBC# 3695)				
Change of Status				
Instructor				
49. Sujan C. Bhatia (Non-tenure)				
To:	6/1 - 7/15	100	9,000	1,500
From:	7/16 - 8/31	100	9,000	1,500
(RBC# 2946)				
Interdepartmental Transfer				
50. Amount of Transfer - \$ 2,249				
To: Oriental and African Languages and Literatures - Teaching Assistants				
From: Dean's Reserve (RBC# 3594)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF HUMANITIES (Continued)</u>				
<u>Philosophy</u>				
Interdepartmental Transfer				
51. Amount of Transfer - \$ 1,400				
To: Philosophy - Teaching Assistants				
From: Dean's Reserve (RBC# 3641, 4050)				
<u>Spanish and Portuguese</u>				
Appointment				
Assistant Professor				
52. Antonio H. Martinez (Non-tenure) (RBC# 2838)	6/1 - 7/15	100	\$ 11,000	\$ 1,833
Appointment				
Assistant Professor				
53. Lee Fontanella (Non-tenure)	6/1 - 7/15	100	11,200	1,867
Source of Funds: Departmental Faculty Salaries and transfer from the Dean's Reserve (RBC# 3347, 2909)				
Appointment				
Professor				
54. Rodolfo Cardona (Tenure)	6/1 - 7/15	100	29,800	3,000
Source of Funds: Departmental Faculty Salaries and transfer from the Dean's Reserve. (RBC# 2874, 2910)				
Change of Status				
Assistant Professor				
55. Miguel Gonzalez-Gerth (Non-tenure)				
To:	7/16 - 8/31	100	11,700	1,950
From: (RBC# 3014)	6/1 - 7/15	100	11,700	1,950
Resignation				
Associate Professor				
56. Beverly J. Gibbs (Tenure)	6/1 - 7/15	100	14,600	2,433
Remove from Summer Session Budget. (RBC# 2957)				
Resignation				
Assistant Professor				
57. Lily P. Litvak (Non-tenure)	6/1 - 7/15	100	11,200	1,866
Remove from Summer Session Budget. (RBC# 2956)				
Interdepartmental Transfer				
58. Amount of Transfer - \$ 1,767				
To: Spanish and Portuguese - Teaching Assistants				
From: Dean's Reserve (RBC# 4046, 4049)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES</u>				
<u>Anthropology</u>				
Appointment				
Associate Professor				
59. Dee Ann Story (Tenure)	6/1 - 7/31	75	\$ 12,200	\$ 2,033
Concurrent Employment:			<u>Full-time Salary</u>	
Research in Anthropology -			No.	
Anthropological Laboratories			<u>Mos.</u>	
Director	6/1 - 7/31	25	12	\$ 16,266
(RBC# 2836)				
Resignation				
Associate Professor				
60. Robert F. Malina (Tenure)	7/16 - 8/31	100	16,240	2,707
Remove from Summer Session Budget.				
(RBC# 2837)				
<u>Economics</u>				
Appointment				
Assistant Professor				
61. James Weatherby, Jr. (Non-tenure)	7/16 - 8/31	50	13,700	1,141
Source of Funds:			<u>Full-time Salary</u>	
Transfer from Unallocated			No.	
Summer Session			<u>Mos.</u>	
Concurrent Employment:			<u>Rate</u>	
Computer-Based Education Project			9	
Project Investigator	7/16 - 8/31	50		\$ 13,700
(RBC# 3088, 2740)				
Resignation				
Instructor				
62. Joseph E. Pluta (Non-tenure)	6/1 - 7/15	100	9,000	1,500
Remove from Summer Session Budget.				
(RBC# 2834)				
<u>Geography</u>				
Appointment				
Visiting Professor				
63. Reginald G. Gooledge (Non-tenure)	7/16 - 8/31	100	19,000	2,033
(RBC# 3729)				
Resignation				
Assistant Professor				
64. Ronald Briggs (Non-tenure)	7/16 - 8/31	100	12,200	2,033
Remove from Summer Session Budget.				
(RBC# 3180)				
<u>Government</u>				
Appointment				
Assistant Professor				
65. Walter D. Noelke (Non-tenure)	7/16 - 8/31	100	12,168	2,016
(RBC# 2858)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES (Continued)</u>				
<u>Government (Continued)</u>				
Appointment				
66. Richard Murray (Non-tenure) (RBC# 2832)	6/1 - 7/15	100	\$ 13,815	\$ 2,300
Appointment				
67. Z. A. Kruszewski (Non-tenure) (RBC# 3179)	7/16 - 8/31	100	14,500	2,416
Appointment				
68. Robert Winkle (Non-tenure) (RBC# 2831)	6/1 - 7/15	100	14,000	2,333
Change of Status				
Instructor				
69. Bruce Buchanan (Non-tenure)				
To:	6/1 - 8/31	100	11,900	3,966
From:	6/1 - 7/31	75	11,900	1,983
Source of Funds: Transfer from Unallocated Summer Session (RBC# 3863, 3080, 2746)				
Resignation				
Assistant Professor				
70. David C. Perry (Non-tenure) Remove from Summer Session Budget. (RBC# 3136)	6/1 - 7/15	100	12,200	2,033
Resignation				
Associate Professor				
71. Murray C. Havens (Tenure) Remove from Summer Session Budget. (RBC# 2833)	6/1 - 7/15	100	18,000	3,000
<u>History</u>				
Appointment				
Assistant Professor				
72. Morgan R. Broadhead (Non-tenure) (RBC# 2871)	7/16 - 8/31	100	11,500	1,916
Appointment and Salary Increase				
Instructor				
73. Richard A. Kieckhefer (Non-tenure)	6/1 - 7/15	100	10,000	1,666
Source of Funds: Transfer from the Dean's Reserve				
Previous Appointment: Instructor (Temporary Special)				
			<u>9,000</u>	
Rate Increase - 9 Mos. (RBC# 3013, 2644)				
			<u>1,000</u>	

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES (Continued)</u>				
<u>History (Continued)</u>				
Change of Status				
Professor				
74. Barnes F. Lathrop (Tenure)				
To:	7/16 - 8/31	100	\$ 18,000	\$ 3,000
From:	6/1 - 7/15	100	18,000	3,000
(RBC# 3012)				
Change of Status				
Professor				
75. W. Roger Louis (Tenure)				
To:	6/1 - 7/31	75	19,500	3,000
From:	6/1 - 7/15	100	19,500	3,000
(RBC# 2857)				
Resignation				
Assistant Professor				
76. John T. Ferguson	6/1 - 7/15	100	13,200	2,200
Remove from Summer Session Budget.				
(RBC# 2856)				
<u>Psychology</u>				
Appointment				
Professor				
77. Robert K. Young (Tenure)	7/16 - 8/31	50	19,500	1,500
Source of Funds:				
Departmental Faculty Salaries				
and transfer from the Dean's				
Reserve.				
(RBC# 3703, 3715)				
Appointment				
Professor				
78. Jan Bruell (Tenure)	6/1 - 7/15	50	23,700	1,500
Source of Funds:				
Transfer from Unallocated				
Summer Session				
Concurrent Employment:				
Computer-Based Education Project				
Project Investigator	6/1 - 7/15	50		
(RBC# 3074, 2738)				
			<u>Full-time Salary</u>	
			No.	
			Mos.	Rate
			9	\$ 23,700
Change of Status				
Assistant Professor				
79. Richard K. Gummerman (Non-tenure)				
To:	7/16 - 8/31	100	11,700	1,950
From:	6/1 - 7/15	100	11,700	1,950
(RBC# 2880)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES (Continued)</u>				
<u>Psychology (Continued)</u>				
Change of Status				
Assistant Professor				
80. James Swanson (Non-tenure)				
To:	6/1 - 8/31	50	\$ 12,200	\$ 2,033
From:	6/1 - 7/15	100	12,200	2,033
Funds originally allocated for Dr. Swanson for the first term, Summer Session, were used for the appointment of another member of the Psychology Department faculty. A transfer from Unallocated Summer Session was required to fund a subsequent Summer Session 1/2 T appointment for Dr. Swanson.				
Concurrent Employment:				
Computer-Based Education Project				
Project Investigator	6/1 - 7/15	50	12,200	1,016
(RBC# 3544, 3229, 3702, 2738)				
Change of Status				
Associate Professor				
81. Clarke Burnham (Tenure)				
To:	6/1 - 8/31	100	14,200	4,733
From:	7/16 - 8/31	100	14,200	2,366
(RBC# 3547)				
Resignation				
Professor				
82. David C. Glass (Tenure)				
	6/1 - 7/15	100	27,000	3,000
Remove from Summer Session Budget.				
(RBC# 2882)				
Resignation				
Professor				
83. Delbert Thiessen (Tenure)				
	6/1 - 7/15	100	23,000	3,000
Remove from Summer Session Budget.				
(RBC# 2855)				
<u>Sociology</u>				
Appointment				
Professor				
84. Joseph Lopreato (Tenure)				
	7/16 - 8/31	50	23,500	1,500
Source of Funds:				
Transfer from Unallocated				
Summer Session				
(RBC# 2747, 3081)				
Appointment				
Assistant Professor				
85. Gordon Johnson, Jr. (Non-tenure)				
	7/16 - 8/31	100	12,000	2,000
(RBC# 2867)				
Appointment				
Associate Professor				
86. Frank D. Bean (Tenure)				
	7/16 - 8/31	100	15,000	2,500
(RBC# 4063)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES (Continued)</u>				
<u>Sociology (Continued)</u>				
Appointment				
Assistant Professor				
87. Charles H. Teller (Non-tenure) (RBC# 2853)	7/16 - 8/31	100	\$ 11,700	\$ 1,950
Appointment				
Assistant Professor				
88. Judy C. Tully (Non-tenure) (RBC# 2852)	6/1 - 7/15	100	11,700	1,950
Change of Status				
Assistant Professor				
89. Stephan J. Bahr (Non-tenure)				
To:	6/1 - 7/15	100	12,200	2,033
From:	7/16 - 8/31	100	12,200	2,033
(RBC# 2870)				
Change of Status				
Assistant Professor				
90. Dudley L. Poston, Jr. (Non-tenure)				
To:	6/1 - 7/15	100	12,100	2,016
From:	7/16 - 8/31	100	12,100	2,016
Faculty Salaries allocated for Dr. Poston's first term, Summer Session appointment were used for his replacement for that period. His second term Summer Session appointment required a transfer from Unallocated Summer Session. (RBC# 3082, 3176, 3184)				
Change of Status				
Assistant Professor				
91. Sheldon R. Olson (Non-tenure)				
To:	7/16 - 8/31	100	12,200	2,033
From:	6/1 - 7/15	100	12,200	2,033
(RBC# 2854)				
Transfer of Funds				
92. Amount of Transfer - \$ 2,659				
To: Sociology - Faculty Salaries (\$ 2,500) Teaching Assistants (\$ 159)				
From: Unallocated Summer Session (\$ 2,500) Dean's Reserve (\$ 159)				
(RBC# 3126, 4045)				

COLLEGE OF NATURAL SCIENCESAstronomy

Appointment

Professor

93. Frank N. Edmonds, Jr. (Tenure) (RBC# 3707)	6/1 - 7/15	100	22,000	3,000
---	------------	-----	--------	-------

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Astronomy (Continued)</u>				
Appointment				
Assistant Professor				
94. David N. Schramm (Non-tenure)	6/1 - 7/15	50	\$ 15,000	\$ 1,250
Source of Funds: Departmental Faculty Salaries and Transfer from the Dean's Reserve (RBC# 3708, 3663)				
Resignation				
Assistant Professor				
95. Frank N. Bash (Non-tenure)	6/1 - 7/15	50	14,500	1,208
Remove from Summer Session Budget. (RBC# 3706)				
Resignation				
Professor				
96. James N. Douglas (Tenure)	6/1 - 7/15	50	19,500	1,500
Remove from Summer Session Budget. (RBC# 3163)				
Resignation				
Assistant Professor				
97. Derek Wills (Non-tenure)	6/1 - 7/15	50	13,700	1,141
Remove from Summer Session Budget. (RBC# 3704)				
<u>Division of Biological Sciences</u>				
Resignation				
Assistant Professor				
98. Garry T. Cole (Non-tenure)	7/16 - 8/31	100	11,700	1,950
Remove from Summer Session Budget. (RBC# 3367)				
Transfer of Funds				
99. Amount of Transfer - \$ 999				
To: Biological Sciences - Faculty Salaries (\$ 166) Teaching Assistants (\$ 833)				
From: Biological Sciences - Wages (\$ 833) Dean's Reserve (\$ 166)				
(RBC# 3338, 3372)				
<u>Division of Biological Sciences and Botany</u>				
Appointment and Leave of Absence				
Assistant Professor				
100. Richard H. Wilson (Non-tenure)				
Appointment:				
Division of Biological Sciences	7/16 - 8/31	100	12,200	2,033
Leave of Absence:				
Botany				
Original Summer Session Appointment	6/1 - 7/15	100	12,200	2,033
Term of Leave: (RBC# 3493, 4096)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Botany</u>				
Interdepartmental Transfer				
101. Amount of Transfer - \$ 321				
To: Botany - Teaching Assistants				
From: Dean's Reserve (RBC# 3334)				
<u>Chemistry</u>				
Appointment				
Professor				
102. Joseph J. Lagowski (Tenure)	6/1 - 8/31	37.5	\$ 21,000	\$ 2,250
Source of Funds:				
Transfer from Unallocated Summer Session (RBC# 3091, 2737)				
Appointment				
Associate Professor				
103. John M. White (Tenure)	6/1 - 7/15	25	13,700	570
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Bureau of Engineering Teaching Research Scientist (Faculty) (RBC# 3087, 2737)	6/1 - 8/31	25		
			<u>Full-time Salary</u>	
			No.	
			<u>Mos.</u>	<u>Rate</u>
			9	\$ 13,700
Appointment				
Professor				
104. William H. Wade (Tenure)	6/1 - 7/15	100	16,000	2,666
Source of Funds:				
Transfer from Unallocated Summer Session (RBC# 4152, 3185)				
Change of Status				
Professor				
105. Royston M. Roberts (Tenure)				
To:	6/1 - 8/31	100	21,000	6,000
From:	7/16 - 8/31	100	21,000	3,000
(RBC# 3181)				
Resignation				
Professor				
106. Gilbert H. Ayres (Tenure)	6/1 - 7/15	100	21,000	3,000
Remove from Summer Session Budget. (RBC# 3709)				
Resignation				
Professor				
107. Leon O. Morgan (Tenure)	7/16 - 8/31	100	19,700	3,000
Remove from Summer Session Budget. (RBC# 3183)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Chemistry (Continued)</u>				
Interdepartmental Transfer				
108. Amount of Transfer - \$ 750				
To: Chemistry - Teaching Assistants				
From: Microbiology - Faculty Salaries (RBC# 4052)				
<u>Computer Sciences</u>				
Resignation				
Assistant Professor				
109. Eddie M. Greenawalt (Non-tenure)	6/1 - 7/31	75	\$ 12,700	\$ 2,116
Remove from Summer Session Budget. (RBC# 2879)				
<u>Geological Sciences</u>				
Resignation				
Professor				
110. Earle F. McBride (Tenure)	7/16 - 8/31	100	20,000	3,000
Remove from Summer Session Budget. (RBC# 3171)				
Transfer of Funds				
111. Amount of Transfer - \$ 4,421				
To: Geological Sciences - Faculty Salaries				
From: Unallocated Summer Session (RBC# 2817)				
<u>Home Economics</u>				
Appointment				
Instructor				
112. Diane Kelton (Non-tenure)	6/1 - 7/15	100	10,400	1,733
Source of Funds: Transfer from the Dean's Reserve and Unallocated Summer Session. (RBC# 3620, 3332, 3660)				
Change of Status				
Professor				
113. John B. Longenecker (Tenure)				
To:	6/1 - 8/31	50	23,500	3,000
From:	6/1 - 7/15	100	23,500	3,000
(RBC# 3164)				
<u>Mathematics</u>				
Appointment				
Professor				
114. Peter W. M. John (Tenure)	7/16 - 8/31	100	23,000	3,000
(RBC# 3710)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Mathematics (Continued)</u>				
Appointment				
Instructor				
115. Evan G. Houston, Jr. (Non-tenure) (RBC# 3350)	6/1 - 7/15	100	\$ 9,000	\$ 1,450
Appointment				
Assistant Instructor				
116. Stephen B. Rodi (Non-tenure) (RBC# 3479)	7/16 - 8/31	100	8,000	1,333
Appointment				
Instructor				
117. Roger C. Bleier (Non-tenure) (RBC# 3491)	6/1 - 7/15	100	9,500	1,583
Appointment				
Professor				
118. R. H. Bing (Tenure)	7/1 - 8/31	100	40,000	8,889
Source of Funds: Transfer from Unallocated Summer Session (RBC# 3085, 2743)				
Appointment				
Professor				
119. Leonard Gillman (Tenure) (RBC# 3478)	6/1 - 7/15	100	35,000	3,000
Appointment				
Instructor				
120. Donald Wright (Non-tenure) (RBC# 3476)	6/1 - 7/15	100	9,500	1,583
Change of Status				
Assistant Professor				
121. James W. Vick (Non-tenure)				
To:	6/1 - 6/30	50	15,300	850
From:	6/1 - 7/15	100	15,300	2,250
Funds allocated for Dr. Vick for the First Term, Summer Session were used for the appointment of another faculty member. Dr. Vick's appointment for the month of June required a transfer of \$ 850 from Unallocated Summer Session.				
Concurrent Employment:				
Computer-Based Education Project				
Project Investigator (RBC# 3623, 3175, 2736)	6/1 - 6/30	50	15,300	850
Change of Status				
Associate Professor				
122. Newcomb Greenleaf (Tenure)				
To:	6/1 - 7/31	75	19,000	3,000
From:	7/16 - 8/31	100	19,000	3,000
(RBC# 3470)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Mathematics (Continued)</u>				
Change of Status				
Professor				
123. William T. Guy, Jr. (Tenure)				
To:	6/1 - 8/31	100	\$ 20,000	\$ 6,000
From:	6/1 - 7/15	100	20,000	3,000
(RBC# 3525)				
Change of Status				
Professor				
124. Clifford S. Gardner (Tenure)				
To:	7/16 - 8/31	100	21,500	3,000
From:	6/1 - 7/15	100	21,500	3,000
(RBC# 3489)				
Change of Status				
Associate Professor				
125. Efraim P. Armendariz (Tenure)				
To:	6/1 - 8/31	100	16,500	5,500
From:	6/1 - 7/31	75	16,500	2,750
(RBC# 3487)				
Change of Status				
Assistant Professor				
126. John P. Alexander (Non-tenure)				
To:	6/1 - 8/31	25	13,200	1,100
From:	6/1 - 7/15	100	13,200	2,200
Funds originally allocated for Dr. Alexander's First Term, Summer Session appointment were used for the appointment of another faculty member. A transfer from Unallocated Summer Session was necessary for his subsequent 1/4 T appointment for the whole Summer Session.				
Concurrent Employment:				
Computer-Based Education Project				
Project Investigator	6/1 - 8/31	25	13,200	1,100
(RBC# 2736, 4073, 3078, 3830)				
Change of Status				
Associate Professor				
127. Simon Bermun (Tenure)				
To:	7/16 - 8/31	100	19,000	3,000
From:	6/1 - 7/15	100	19,000	3,000
(RBC# 3472)				
Change of Status				
Assistant Professor				
128. William Dietrich (Non-tenure)				
To:	6/1 - 7/15	100	13,700	2,283
From:	7/16 - 8/31	100	13,700	2,283
(RBC# 3522)				
Change of Status				
Associate Professor				
129. John D. Dollard (Tenure)				
To:	6/1 - 7/15	100	19,500	3,000
From:	7/16 - 8/31	100	19,500	3,000
(RBC# 3523)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Mathematics (Continued)</u>				
Change of Status				
Instructor				
130. Robert S. Wilson (Non-tenure)				
To:	7/16 - 8/31	100	\$ 9,500	\$ 1,583
From:	6/1 - 7/15	100	9,500	1,583
	(RBC# 3518)			
Change of Status				
Assistant Professor				
131. Harvey Wolff (Non-tenure)				
To:	6/1 - 8/31	100	13,200	4,400
From:	7/16 - 8/31	100	13,200	2,200
	(RBC# 3519)			
Change of Status				
Assistant Professor				
132. Carl T. Russell (Non-tenure)				
To:	7/16 - 8/31	100	12,500	2,083
From:	6/1 - 7/15	100	12,500	2,083
	(RBC# 3484)			
Change of Status				
Instructor				
133. Gregory A. Hively (Non-tenure)				
To:	6/1 - 7/15	100	9,500	1,583
From:	7/16 - 8/31	100	9,500	1,583
	(RBC# 3482)			
Change of Status				
Assistant Professor				
134. Young K. Kwon (Non-tenure)				
To:	6/1 - 7/15	100	14,500	2,416
From:	7/16 - 8/31	100	14,500	2,416
	(RBC# 3481)			
Change of Status				
Assistant Professor				
135. Ralph G. Pond (Non-tenure)				
To:	6/1 - 7/15	100	12,700	2,116
From:	7/16 - 8/31	100	12,700	2,116
	(RBC# 3486)			
Change of Status				
Professor				
136. Roger C. Osborn (Tenure)				
To:	6/1 - 7/15	100	19,000	3,000
From:	6/1 - 8/31	100	19,000	6,000
	(RBC# 3473)			

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Mathematics (Continued)</u>				
Change of Status				
Assistant Professor				
137. Lewis Pakula (Non-tenure)				
To:	6/1 - 7/15	100	\$ 12,000	\$ 2,000
From:	7/16 - 8/31	100	12,000	2,000
(RBC# 3485)				
Change of Status				
Instructor				
138. Moshen Pazirandeh (Non-tenure)				
To:	7/16 - 8/31	100	9,500	1,583
From:	6/1 - 7/15	100	9,500	1,583
(RBC# 3516)				
Resignation				
Assistant Professor				
139. Stephen McAdam (Non-tenure)	7/16 - 8/31	100	13,700	2,283
Remove from Summer Session Budget.				
(RBC# 3488)				
Resignation				
Associate Professor				
140. Darwin D. Klingman (Tenure)	6/1 - 7/15	100	16,200	2,700
Remove from Summer Session Budget.				
(RBC# 3480)				
Resignation				
Professor				
141. Robert T. Gregory (Tenure)	6/1 - 7/15	100	23,500	3,000
Remove from Summer Session Budget.				
(RBC# 3489)				
Resignation				
Instructor				
142. Joseph E. Hyman (Non-tenure)	7/16 - 8/31	100	9,500	1,583
Remove from Summer Session Budget.				
(RBC# 3483)				
Resignation				
Associate Professor				
143. William T. Eaton (Tenure)	7/16 - 8/31	100	16,700	2,783
Remove from Summer Session Budget.				
(RBC# 3474)				
Resignation				
Instructor				
144. GeNelle R. J. Beck (Non-tenure)	7/16 - 8/31	100	9,200	1,533
Remove from Summer Session Budget.				
(RBC# 3471)				
Resignation				
Assistant Professor				
145. Joe W. Fisher (Non-tenure)	6/1 - 7/15	100	13,200	2,200
Remove from Summer Session Budget.				
(RBC# 3520)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Mathematics (Continued)</u>				
Resignation				
Associate Professor				
146. John E. Gilbert (Tenure)	7/16 - 8/31	100	\$ 19,000	\$ 3,000
Remove from Summer Session Budget. (RBC# 3521)				
<u>Microbiology</u>				
Appointment				
Assistant Professor				
147. Charles F. Earhart (Non-tenure)	7/16 - 8/31	100	12,700	2,116
(RBC# 4180)				
Change of Status				
Professor				
148. Carl H. Oppenheimer (Tenure)				
To:	6/1 - 7/15	100	30,972	3,000
From:	6/1 - 8/31	100	30,972	6,000
(RBC# 3865)				
<u>Physics</u>				
Appointment				
Professor				
149. J. David Gavenda (Tenure)	6/1 - 7/15	50	20,500	1,500
Source of Funds: Transfer from Unallocated Summer Session.				
Concurrent Employment:				
Computer-Based Education Project Project Investigator	6/1 - 7/15	50		
(RBC# 3077, 2735)				
Change of Status				
Professor				
150. William W. Robertson (Tenure)				
To:	7/16 - 8/31	100	20,000	3,000
From:	6/1 - 7/15	100	20,000	3,000
(RBC# 3535)				
Change of Status				
Assistant Professor				
151. Charles B. Chiu (Non-tenure)				
To:	6/1 - 8/31	50	14,200	2,366
From:	7/16 - 8/31	100	14,200	2,366
Concurrent Employment:				
Center for Particle Theory Research Scientist (Faculty)	6/1 - 8/31	50		
(RBC# 3651)				
			<u>Full-time Salary</u>	
			<u>No.</u>	<u>Rate</u>
			<u>Mos.</u>	<u>Rate</u>
			9	\$ 20,500
			<u>No.</u>	<u>Rate</u>
			9	\$ 14,200

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Physics (Continued)</u>				
Change of Status				
Assistant Professor				
152. George E. Fredericks (Non-tenure)				
To:	6/1 - 8/31	50	\$ 12,200	\$ 2,033
From:	7/16 - 8/31	100	12,200	2,033
Concurrent Employment:				
Physics				
Research Scientist (Faculty) (RBC# 3533)	6/1 - 7/31	50	12,200	1,250
Resignation				
Associate Professor				
153. Peter R. Antoniewicz (Tenure)	7/16 - 8/31	100	13,700	2,283
Remove from Summer Session Budget. (RBC# 3537)				
Transfer Between Dissimilar Appropriations				
154. Amount of Transfer - \$ 1,151				
To: Teaching Assistants				
From: Wages (RBC# 3733)				
<u>Zoology</u>				
Appointment				
Assistant Professor				
155. J. Lawrence Fox (Non-tenure)	7/16 - 8/31	50	14,700	1,225
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Computer-Based Education Project				
Research Scientist (Faculty) (RBC# 3232, 2734)	7/16 - 8/31	50	14,700	1,225
Appointment				
Associate Professor				
156. Albert L. Etheridge (Non-tenure)	6/1 - 7/15	100	14,000	2,333
(RBC# 3937)				
Appointment				
Associate Professor				
157. Jose R. Perez-Polo (Non-tenure)	6/1 - 7/15	100	14,000	2,332
Source of Funds:				
Departmental Faculty Salaries and Transfer from Office of the Dean, College of Natural Sciences - Travel account. (RBC# 3174, 3187)				
Transfer Between Dissimilar Appropriations				
158. Amount of Transfer - \$ 610				
To: Teaching Assistants				
From: Wages (RBC# 3121, 3323)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF NATURAL SCIENCES (Continued)</u>				
<u>Office of the Dean</u>				
Transfer of Funds				
159. Amount of Transfer - \$ 1,766				
To: Office of the Dean - Dean's Reserve				
From: Unallocated Summer Session (RBC# 2816)				
<u>GENERAL AND COMPARATIVE STUDIES</u>				
<u>American Studies</u>				
Appointment				
Assistant Instructor				
160. Jeffrey L. Meikle (Non-tenure) (RBC# 3166)	7/16 - 8/31	75	\$ 8,000	\$ 1,000
Appointment				
Assistant Professor				
161. Brian W. Dippie (Non-tenure) (RBC# 2883)	6/1 - 7/31	75	11,200	1,866
Change of Status				
Assistant Professor				
162. William M. Stott (Non-tenure)				
To:	6/1 - 7/15	100	11,200	1,866
From:	7/16 - 8/31	100	11,200	1,866
(RBC# 2851)				
Resignation				
Assistant Instructor				
163. Loris L. Essary (Non-tenure)	6/1 - 7/15	75	8,000	1,000
Remove from Summer Session Budget. (RBC# 2944)				
Interdepartmental Transfer				
164. Amount of Transfer - \$ 1,000				
To: American Studies - Faculty Salaries				
From: Dean's Reserve (RBC# 2818)				
<u>Asian Studies</u>				
Appointment				
Instructor				
165. Susan Shirk (Non-tenure) (RBC# 3597)	7/16 - 8/31	100	9,000	1,500
Interdepartmental Transfer				
166. Amount of Transfer - \$ 1,500				
To: Center for Asian Studies - Faculty Salaries				
From: Dean's Reserve (RBC# 2822)				
<u>Ethnic Studies</u>				
Appointment				
Assistant Instructor				
167. Richard L. Wright (Non-tenure) (RBC# 2850)	6/1 - 7/15	100	11,200	1,866

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>GENERAL AND COMPARATIVE STUDIES (Continued)</u>				
<u>Ethnic Studies (Continued)</u>				
Appointment				
Associate Professor				
168. John L. Warfield (Tenure)	8/1 - 8/31	100	\$ 18,750	\$ 2,000
Source of Funds: Transfer from Unallocated Summer Session (RBC# 3971)				
Appointment				
Instructor				
169. David A. Williams (Non-tenure)	7/16 - 8/31	100	9,000	1,500
(RBC# 2849)				
Transfer of Funds				
170. Amount of Transfer - \$ 1,333				
To: Ethnic Studies - Teaching Assistants				
From: Unallocated Summer Session (RBC# 3647)				
<u>Middle Eastern Studies</u>				
Appointment				
Visiting Associate Professor				
171. Hamza El-Din (Non-tenure)	7/16 - 8/31	100	13,000	2,166
(RBC# 3165)				
Interdepartmental Transfer				
172. Amount of Transfer - \$ 2,166				
To: Center for Middle Eastern Studies - Faculty Salaries				
From: Dean's Reserve (RBC# 2819)				
<u>COLLEGE OF BUSINESS ADMINISTRATION</u>				
<u>Accounting</u>				
Appointment				
Professor				
173. Kermit D. Larson (Tenure)	7/16 - 8/31	100	19,000	3,000
Source of Funds: Departmental Faculty Salaries and Transfer from the Dean's Reserve. (RBC# 3868, 3724)				
Change of Status				
Assistant Professor				
174. Bart Ward (Non-tenure)				
To:	6/1 - 7/15	100	14,200	2,366
From:	7/16 - 8/31	100	14,200	2,366
(RBC# 3886)				
Change of Status				
Professor				
175. Edward L. Summers (Tenure)				
To:	7/16 - 8/31	100	18,700	3,000
From:	6/1 - 7/15	100	18,700	3,000
(RBC# 4072)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF BUSINESS ADMINISTRATION (Continued)</u>				
<u>Accounting (Continued)</u>				
Resignation				
Assistant Professor				
176. Lewis F. Davidson (Non-tenure)	7/16 - 8/31	100	\$ 13,000	\$ 2,166
Remove from Summer Session Budget. (RBC# 3869)				
Resignation				
Assistant Professor				
177. Edward B. Deakin (Non-tenure)	6/1 - 7/15	100	14,200	2,366
Remove from Summer Session Budget. (RBC# 2942)				
Resignation				
Professor				
178. Thomas H. Williams (Tenure)	6/1 - 7/15	100	23,000	3,000
Remove from Summer Session Budget. (RBC# 2943)				
Interdepartmental Transfer				
179. Amount of Transfer - \$ 3,269				
To: Accounting - Teaching Assistants				
From: Dean's Reserve (RBC# 2823, 3586)				
<u>Finance</u>				
Appointment				
Assistant Professor				
180. Stephan A. Pyhrr (Non-tenure)	7/16 - 8/31	100	14,200	2,366
(RBC# 3167)				
Change of Status				
Assistant Professor				
181. William F. Rentz (Non-tenure)				
To:	6/1 - 7/15	100	14,700	2,450
From:	7/16 - 8/31	100	14,700	2,450
(RBC# 3169)				
Change of Status				
Associate Professor				
182. Jerry D. Todd (Tenure)				
To:	7/16 - 8/31	100	15,300	2,550
From:	6/1 - 7/15	100	15,300	2,550
(RBC# 3932)				
Resignation				
Associate Professor				
183. Rudolph C. Doenges (Tenure)	7/16 - 8/31	100	16,300	2,716
Remove from Summer Session Budget. (RBC# 3168)				
Interdepartmental Transfer				
184. Amount of Transfer - \$ 751				
To: Finance - Teaching Assistants				
From: Dean's Reserve (RBC# 3588)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF BUSINESS ADMINISTRATION (Continued)</u>				
<u>General Business</u>				
Resignation				
Assistant Professor				
185. Joel D. Stutz (Non-tenure)	6/1 - 7/15	100	\$ 13,500	\$ 2,250
Remove from Summer Session Budget. (RBC# 2864)				
Resignation				
Assistant Professor				
186. Austin J. Lemoine (Non-tenure)	6/1 - 7/15	100	13,500	2,250
Remove from Summer Session Budget. (RBC# 2865)				
Interdepartmental Transfer				
187. Amount of Transfer - \$ 1,700				
To: General Business - Teaching Assistants				
From: Dean's Reserve (RBC# 3587)				
<u>Management</u>				
Appointment				
Assistant Professor				
188. Reuben R. McDaniel (Non-tenure)	6/1 - 7/15	100	16,000	2,666
(RBC# 2863)				
Resignation				
Assistant Professor				
189. James Fitzsimmons (Non-tenure)	6/1 - 7/15	100	14,700	2,450
Remove from Summer Session Budget. (RBC# 3352)				
Resignation				
Associate Professor				
190. Kenneth E. Knight (Tenure)	7/16 - 8/31	100	16,800	2,800
Remove from Summer Session Budget. (RBC# 3351)				
Interdepartmental Transfer				
191. Amount of Transfer - \$ 398				
To: Management - Teaching Assistants				
From: Dean's Reserve (RBC# 3589, 3953)				
<u>Marketing Administration</u>				
Appointment				
Assistant Professor				
192. David G. Fulcher (Non-tenure)	6/1 - 7/15	100	13,200	2,200
(RBC# 3542)				
Appointment				
Assistant Professor				
193. Eric B. Langeard (Non-tenure)	6/1 - 7/15	100	12,000	2,000
(RBC# 3543)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF BUSINESS ADMINISTRATION (Continued)</u>				
<u>Marketing Administration (Continued)</u>				
Resignation				
Assistant Professor				
194. Douglas S. Longman (Non-tenure)	6/1 - 7/15	100	\$ 13,200	\$ 2,200
Remove from Summer Session Budget. (RBC# 3538)				
Resignation				
Assistant Professor				
195. Eli P. Cox (Non-tenure)	6/1 - 7/15	100	13,700	2,283
Remove from Summer Session Budget. (RBC# 3541)				
Resignation				
Professor				
196. Grady D. Bruce (Tenure)	6/1 - 7/15	100	20,500	3,000
Remove from Summer Session Budget. (RBC# 3540)				
Resignation				
Associate Professor				
197. Mark I. Alpert (Tenure)	6/1 - 7/15	100	15,250	2,541
Remove from Summer Session Budget. (RBC# 3539)				
Interdepartmental Transfer				
198. Amount of Transfer - \$ 40				
To: Marketing - Teaching Assistants				
From: Dean's Reserve (RBC# 3664)				
<u>SCHOOL OF COMMUNICATION</u>				
<u>Journalism</u>				
Appointment				
Instructor				
199. Paul D. Adams (Non-tenure)	6/1 - 7/15	100	10,000	1,667
(RBC# 3652)				
Change of Status				
Assistant Professor				
200. Martin L. Gibson (Non-tenure)				
To:	6/1 - 7/15	100	12,000	2,000
From:	7/16 - 8/31	100	12,000	2,000
(RBC# 3353)				
Resignation				
Associate Professor				
201. Joseph A. Taylor (Tenure)	6/1 - 7/15	100	14,200	2,366
Remove from Summer Session Budget. (RBC# 3653)				
Interdepartmental Transfer				
202. Amount of Transfer - \$ 967				
To: Journalism - Teaching Assistants				
From: Dean's Reserve (RBC# 3189)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>SCHOOL OF COMMUNICATION (Continued)</u>				
<u>Radio/Television/Film</u>				
Appointment				
Instructor				
203. Leo F. Eaton (Non-tenure) (RBC# 3697)	6/1 - 8/31	100	\$ 9,000	\$ 3,000
Resignation				
Instructor				
204. Richard I. Kooris (Non-tenure) Remove from Summer Session Budget. (RBC# 3699)	7/16 - 8/31	100	10,950	1,825
Resignation				
Instructor				
205. Bernard M. Lechowick (Non-tenure) Remove from Summer Session Budget. (RBC# 3698)	6/1 - 7/15	100	9,200	1,533
<u>Speech Communication</u>				
Change of Status				
Professor				
206. Jesse J. Villarreal (Tenure)				
To:	7/16 - 8/31	100	20,000	3,000
From: (RBC# 3550)	6/1 - 7/15	100	20,000	3,000
Change of Status				
Professor				
207. Lear L. Ashmore (Tenure)				
To:	6/1 - 7/15	100	16,000	2,666
From: (RBC# 3551)	7/16 - 8/31	100	16,000	2,666
Change of Status				
Assistant Professor				
208. Eva Currie (Non-tenure)				
To:	7/16 - 8/31	100	10,200	1,700
From: (RBC# 3654)	6/1 - 7/15	100	10,200	1,700
Interdepartmental Transfer				
209. Amount of Transfer - \$ 4,833				
To: Speech Communication - Teaching Assistants				
From: Dean's Reserve (RBC# 3190)				
<u>COLLEGE OF EDUCATION</u>				
<u>Cultural Foundations of Education</u>				
Resignation				
Assistant Professor				
210. Douglas E. Foley (Non-tenure) Remove from Summer Session Budget. (RBC# 3510)	6/1 - 7/15	75	12,600	2,100

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF EDUCATION (Continued)</u>				
<u>Curriculum and Instruction</u>				
Appointment				
Instructor				
211. Fletcher M. Pool (Non-tenure) (RBC# 3634)	6/1 - 7/15	100	\$ 10,500	\$ 1,750
Change of Status				
Associate Professor				
212. John G. Bordie (Tenure)				
To:	6/1 - 7/15	100	15,000	2,500
From:	6/1 - 8/31	100	15,000	5,000
(RBC# 3131)				
Change of Status				
Professor				
213. David P. Butts (Tenure)				
To:	6/1 - 8/31	100	17,000	5,666
From:	7/16 - 8/31	100	17,000	2,833
(RBC# 3132)				
Change of Status				
Professor				
214. O. L. Davis, Jr. (Tenure)				
To:	7/16 - 8/31	100	18,200	3,000
From:	6/1 - 8/31	100	18,200	6,000
(RBC# 3133)				
Change of Status				
Associate Professor				
215. William R. Harmer (Tenure)				
To:	6/1 - 8/31	100	15,200	5,066
From:	6/1 - 7/15	100	15,200	2,533
(RBC# 3128)				
Change of Status				
Assistant Professor				
216. Charles R. Kline, Jr. (Non-tenure)				
To:	6/1 - 8/31	100	12,000	4,000
From:	7/16 - 8/31	100	12,000	2,000
(RBC# 3177)				
Change of Status				
Assistant Professor				
217. Donald L. Nicholas (Non-tenure)				
To:	6/1 - 8/31	100	14,200	4,732
From:	6/1 - 7/15	100	14,200	2,366
(RBC# 3130)				
Interdepartmental Transfer				
218. Amount of Transfer - \$ 2,623				
To: Curriculum and Instruction - Teaching Assistants				
From: Educational Administration - Faculty Salaries				
(RBC# 3644)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF EDUCATION (Continued)</u>				
<u>Educational Administration</u>				
Appointment				
Associate Professor				
219. John D. King (Tenure)	7/16 - 8/31	100	\$ 15,800	\$ 2,633
Source of Funds: Transfer from the Dean's Reserve (RBC# 4044, 2913)				
Change of Status				
Professor				
220. Laurence D. Haskew (Tenure)				
To:	6/1 - 7/15	100	28,000	3,000
From:	7/16 - 8/31	100	28,000	3,000
(RBC# 3608, 3609)				
Change of Status				
Professor				
221. Kenneth E. McIntyre (Tenure)				
To:	7/16 - 8/31	100	21,500	3,000
From:	6/1 - 8/31	100	21,500	6,000
(RBC# 3640)				
Resignation				
Professor, Chairman				
222. Michael P. Thomas, Jr. (Tenure)	6/1 - 7/15	100	17,900	2,983
Remove from Summer Session Budget. (RBC# 3933)				
<u>Educational Psychology</u>				
Appointment				
Associate Professor				
223. Edmund T. Emmer (Tenure)	7/16 - 8/31	50	13,900	1,158
Source of Funds: Transfer from Educational Administration Faculty Salaries				
Concurrent Employment: Research and Development Center for Teacher Education				
Research Scientist (Faculty)	7/16 - 8/31	50	13,900	1,158
(RBC# 3867, 3642)				
Transfer of Funds				
224. Amount of Transfer - \$ 1,800				
To: Educational Psychology - Faculty Salaries (\$ 450) Teaching Assistants (\$ 1,350)				
From: Unallocated Summer Session (\$ 450) Educational Administration - Faculty Salaries (\$ 900) Dean's Reserve (\$ 450) (RBC# 2914, 2915, 3643)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>						
<u>COLLEGE OF EDUCATION (Continued)</u>										
<u>Health, Physical Education and Recreation</u>										
Appointment										
Assistant Professor										
225. Jan C. Stoner (Non-tenure)	6/1 - 6/30	100	\$ 12,000	\$ 1,333						
Source of Funds: Transfer from Physical Education Wages and Classified Salaries Accounts (RBC# 3330, 3336, 3356)										
Appointment										
Instructor										
226. Nelda J. Burke (Non-tenure)	6/1 - 7/15	25	9,300	390						
Concurrent Employment: Health, Physical Education and Recreation - Auxiliary Enterprises Funds (RBC# 2872)										
	6/1 - 7/15	PT	9,300	1,055						
Appointment										
Instructor										
227. Robert L. Clotworthy (Non-tenure)	6/1 - 7/15	50	10,000	750						
(RBC# 2873)										
Resignation										
Assistant Professor										
228. Thomas L. Ellis (Non-tenure)	6/1 - 7/15	50	13,700	1,142						
Remove from Summer Session Budget. (RBC# 2884)										
Transfer of Funds										
229. Amount of Transfer - \$ 3,300										
To: Health, Physical Education and Recreation - Teaching Assistants										
From: Unallocated Summer Session - (\$ 2,500)										
Educational Administration - Faculty Salaries - (\$ 800)										
(RBC# 3381, 3645, 4047)										
<u>Special Education</u>										
Appointment										
Assistant Professor										
230. Randall Parker (Non-tenure)	6/1 - 8/31	67	12,200	2,741						
Concurrent Employment: Special Education										
Research Associate (Faculty)	6/1 - 8/31	33	<table border="1"> <thead> <tr> <th colspan="2"><u>Full-time Salary</u></th> </tr> <tr> <th><u>No. Mos.</u></th> <th><u>Rate</u></th> </tr> </thead> <tbody> <tr> <td>9</td> <td>\$ 12,200</td> </tr> </tbody> </table>		<u>Full-time Salary</u>		<u>No. Mos.</u>	<u>Rate</u>	9	\$ 12,200
<u>Full-time Salary</u>										
<u>No. Mos.</u>	<u>Rate</u>									
9	\$ 12,200									
(RBC# 3506)										
Appointment										
Instructor										
231. Douglas K. Ozias (Non-tenure)	6/1 - 8/31	100	9,700	3,233						
(RBC# 2931, 2934)										

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF EDUCATION (Continued)</u>				
<u>Special Education (Continued)</u>				
Appointment				
Instructor				
232. Marilyn S. Hinojosa (Non-tenure)	7/16 - 8/31	44	\$ 10,200	\$ 756
Concurrent Employment:				
Training of Teachers of Handicapped Children and Youth				
Instructor (RBC# 3507)	7/16 - 8/31	56	10,200	943
Appointment				
Lecturer				
233. Ralph Hanna (Non-tenure) (RBC# 2930)	6/1 - 7/15	100	12,950	2,158
Change of Status				
Professor				
234. John R. Peck (Tenure)				
To:	7/1 - 8/31	100	17,700	3,933
From: (RBC# 2935)	6/1 - 8/31	100	17,700	5,900
Change of Status				
Assistant Professor				
235. Anne C. Netick (Non-tenure)				
To:	7/16 - 8/31	100	12,000	2,000
From: (RBC# 2932)	7/16 - 8/31	50	12,000	1,000
Change of Status				
Assistant Professor				
236. Don C. McNeil (Non-tenure)				
To:	6/1 - 8/31	100	14,200	4,733
From: (RBC# 2933)	6/1 - 8/31	95	14,200	4,500
Change of Status				
Professor				
237. Charles Cleland (Tenure)				
To:	7/1 - 8/31	100	17,500	3,888
From: (RBC# 2938)	6/1 - 8/31	100	17,500	5,833
Change of Status				
Professor				
238. Natalie Barraga (Tenure)				
To:	7/1 - 8/31	100	17,700	3,933
From: (RBC# 2940)	6/1 - 8/31	100	17,700	5,900

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF EDUCATION (Continued)</u>				
<u>Special Education (Continued)</u>				
Change of Status				
Assistant Professor				
239. Virgil E. Flathouse (Non-tenure)				
To:	6/1 - 8/31	100	\$ 12,200	\$ 4,066
From:	6/1 - 7/15	100	12,200	2,033
(RBC# 2937)				
Resignation				
Assistant Professor				
240. Ernest A. Gotts (Non-tenure)				
6/1 - 8/31 67 13,500 3,000				
Remove from Summer Session Budget.				
(RBC# 2939)				
Resignation				
Associate Professor				
241. Giles D. Carnes (Tenure)				
6/1 - 7/15 100 15,600 2,600				
Remove from Summer Session Budget.				
(RBC# 2936)				
<u>COLLEGE OF ENGINEERING</u>				
<u>Aerospace Engineering and Engineering Mechanics</u>				
Appointment				
Associate Professor				
242. Ching-Hsie Yew (Tenure)				
6/1 - 7/31 75 15,600 2,600				
(RBC# 3725)				
Change of Status				
Associate Professor				
243. David G. Hull (Tenure)				
To:	7/16 - 8/31	50	15,300	1,274
From:	7/16 - 8/31	25	15,300	637
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Computer-Based Education Project				
Associate Investigator				
7/16 - 8/31 50 15,300 1,275				
(RBC# 2733, 3092)				
Resignation				
Professor				
244. Byron D. Tapley (Tenure)				
6/1 - 7/31 75 22,000 3,000				
Remove from Summer Session Budget.				
(RBC# 3343)				
Resignation				
Associate Professor				
245. Wallace T. Fowler (Tenure)				
7/16 - 8/31 25 15,100 629				
Remove from Summer Session Budget.				
(RBC# 3712)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>						
<u>COLLEGE OF ENGINEERING (Continued)</u>										
<u>Aerospace Engineering and Engineering Mechanics (Continued)</u>										
Resignation										
Assistant Professor										
246. Henry J. Petroski (Non-tenure)	6/1 - 7/31	75	\$ 12,700	\$ 2,116						
Remove from Summer Session Budget. (RBC# 3726)										
<u>Aerospace Engineering and Engineering Mechanics - Engineering Mechanics Division</u>										
Change of Status										
Associate Professor										
247. Melvin Wilkov (Tenure)										
To:	6/1 - 8/31	100	14,700	4,900						
From:	6/1 - 7/31	75	14,700	2,450						
(RBC# 3864)										
Change of Status										
Assistant Professor										
248. Anthony M. Bedford (Non-tenure)										
To:	6/1 - 7/31	100	14,200	3,154						
	8/1 - 8/31	50	14,200	788						
From:	6/1 - 7/31	75	14,200	2,366						
Concurrent Employment:										
Aerospace Engineering and Engineering Mechanics										
Principal Investigator	8/1 - 8/31	50	<table border="1"> <thead> <tr> <th colspan="2"><u>Full-time Salary</u></th> </tr> <tr> <th><u>No. Mos.</u></th> <th><u>Rate</u></th> </tr> </thead> <tbody> <tr> <td>9</td> <td>\$ 14,200</td> </tr> </tbody> </table>		<u>Full-time Salary</u>		<u>No. Mos.</u>	<u>Rate</u>	9	\$ 14,200
<u>Full-time Salary</u>										
<u>No. Mos.</u>	<u>Rate</u>									
9	\$ 14,200									
(RBC# 4067, 4069)										
Remove from Budget										
Professor										
249. Enrico G. Volterra (Tenure)	6/1 - 7/31	75	19,700	3,000						
Deceased (RBC# 3885) 6/29/73										
Interdepartmental Transfer										
250. Amount of Transfer - \$ 1,054										
To: Engineering Mechanics Division - Teaching Assistants										
From: Aerospace Engineering - Faculty Salaries (\$ 820) Teaching Assistants (\$ 234) (RBC# 3721, 4201)										
<u>Chemical Engineering</u>										
Change of Status										
Assistant Professor										
251. Joel W. Barlow (Non-tenure)										
To:	6/1 - 7/15	100	15,000	2,500						
From:	6/1 - 7/31	75	15,000	2,500						
(RBC# 3655, 3727)										

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF ENGINEERING (Continued)</u>				
<u>Chemical Engineering (Continued)</u>				
Change of Status				
Assistant Professor				
252. Thomas F. Edgar (Non-tenure)				
To:	7/16 - 8/31	50	\$ 12,800	\$ 1,066
From:	6/1 - 7/15	25	12,800	533
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Computer-Based Education Project			<u>Full-time Salary</u>	
Project Investigator			<u>No. Mos.</u>	<u>Rate</u>
(RBC# 3604, 3231, 2732)	7/16 - 8/31	50	9	\$ 12,800
<u>Civil Engineering</u>				
Appointment				
Assistant Professor				
253. James S. Mitchell (Non-tenure)				
(RBC# 3370)	6/1 - 7/31	37.5	11,000	916
Appointment				
Professor				
254. Joe O. Ledbetter (Tenure)				
(RBC# 4065)	6/1 - 7/31	75	16,100	2,683
Appointment				
Instructor				
255. Francis L. Endres (Non-tenure)				
(RBC# 3075)	7/16 - 8/31	25	9,600	400
Change of Status				
Professor				
256. Joseph F. Malina, Jr. (Tenure)				
To:	6/1 - 8/31	50	17,700	2,950
From:	6/1 - 7/31	75	17,700	2,950
Concurrent Employment:				
Environmental Health Engineering			<u>Full-time Salary</u>	
Research Engineer (Faculty)			<u>No. Mos.</u>	<u>Rate</u>
(RBC# 3359)	6/1 - 6/30	50	9	\$ 17,700
Center for Research in				
Water Resources				
Research Engineer (Faculty)	7/1 - 8/31	50	9	17,700
(RBC# 3359)				
Change of Status				
Associate Professor				
257. C. Philip Johnson (Tenure)				
To:	6/1 - 7/15	50	14,700	1,224
From:	6/1 - 7/15	25	14,700	612
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Center for Highway Research			<u>Full-time Salary</u>	
Research Engineer (Faculty)			<u>No. Mos.</u>	<u>Rate</u>
(RBC# 3090, 2731)	6/1 - 8/31	50	9	\$ 14,700

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>						
<u>COLLEGE OF ENGINEERING (Continued)</u>										
<u>Civil Engineering (Continued)</u>										
Change of Status										
Professor										
258. Ned H. Burns (Tenure)										
To:	6/1 - 8/31	100	\$ 16,500	\$ 5,500						
From:	6/1 - 7/31	75	16,500	2,750						
(RBC# 4068)										
Change of Status										
Assistant Professor										
259. Ned P. Smith (Non-tenure)										
To:	6/1 - 7/15	100	11,748	1,958						
From:	6/1 - 8/31	100	11,748	3,916						
(RBC# 3884)										
Resignation										
Associate Professor										
260. E. Gus Fruh (Tenure)										
	6/1 - 7/31	75	15,600	2,600						
Remove from Summer Session Budget. (RBC# 4070)										
<u>Civil Engineering - Architectural Engineering Division</u>										
Change of Status										
Assistant Professor										
261. Douglas D. Reynolds (Non-tenure)										
To:	6/1 - 7/31	75	12,700	2,116						
From:	6/1 - 8/31	100	12,700	4,233						
Concurrent Employment:										
Civil Engineering - Architectural Engineering Division										
Research Engineer (Faculty)										
	6/1 - 7/31	25	<table border="1"> <thead> <tr> <th colspan="2"><u>Full-time Salary</u></th> </tr> <tr> <th><u>No. Mos.</u></th> <th><u>Rate</u></th> </tr> </thead> <tbody> <tr> <td>9</td> <td>\$ 12,700</td> </tr> </tbody> </table>		<u>Full-time Salary</u>		<u>No. Mos.</u>	<u>Rate</u>	9	\$ 12,700
<u>Full-time Salary</u>										
<u>No. Mos.</u>	<u>Rate</u>									
9	\$ 12,700									
(RBC# 3360)										
Change of Status										
Professor										
262. Franklin B. Johnson (Tenure)										
To:	6/1 - 8/31	100	17,800	5,933						
From:	6/1 - 7/31	75	17,800	2,966						
(RBC# 4064)										
<u>Civil Engineering - Meteorology Division</u>										
Change of Status										
Professor										
263. Kenneth H. Jehn (Tenure)										
To:	6/1 - 8/31	50	16,200	2,700						
From:	6/1 - 7/31	75	16,200	2,700						
Concurrent Employment:										
Civil Engineering - Meteorology										
Project Engineer (Faculty)										
	6/1 - 6/30	50	16,200	900						
(RBC# 3363)										

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>						
<u>COLLEGE OF ENGINEERING (Continued)</u>										
<u>Civil Engineering - Meteorology Division (Continued)</u>										
Change of Status										
Associate Professor										
264. E. Lothar Koschmieder (Tenure)										
To:	7/16 - 8/31	100	\$ 13,450	\$ 2,241						
From:	6/1 - 7/31	75	13,450	2,241						
(RBC# 3361)										
<u>Electrical Engineering</u>										
Appointment										
Professor										
265. Alfred H. LaGrone (Tenure)										
	6/1 - 8/31	50	22,200	3,000						
Concurrent Employment:										
Bureau of Engineering Research										
Research Engineer (Faculty)										
	6/1 - 8/31	25	<table border="1"> <thead> <tr> <th colspan="2"><u>Full-time Salary</u></th> </tr> <tr> <th><u>No. Mos.</u></th> <th><u>Rate</u></th> </tr> </thead> <tbody> <tr> <td>9</td> <td>\$ 22,200</td> </tr> </tbody> </table>		<u>Full-time Salary</u>		<u>No. Mos.</u>	<u>Rate</u>	9	\$ 22,200
<u>Full-time Salary</u>										
<u>No. Mos.</u>	<u>Rate</u>									
9	\$ 22,200									
Electrical Engineering										
Research Laboratory										
Associate Director for										
Antennas and Propagation										
	6/1 - 8/31	25	9	22,200						
(RBC# 2766, 3442)										
Appointment										
Professor										
266. William H. Hartwig (Tenure)										
	6/1 - 8/31	100	19,500	6,000						
(RBC# 3349)										
Appointment										
Professor										
267. Stephen A. Szygenda (Tenure)										
	6/1 - 8/31	50	21,000	3,000						
Concurrent Employment:										
Electronics Research Center										
Research Engineer (Faculty)										
	6/1 - 8/31	50	<table border="1"> <thead> <tr> <th colspan="2"><u>Full-time Salary</u></th> </tr> <tr> <th><u>No. Mos.</u></th> <th><u>Rate</u></th> </tr> </thead> <tbody> <tr> <td>9</td> <td>\$ 21,000</td> </tr> </tbody> </table>		<u>Full-time Salary</u>		<u>No. Mos.</u>	<u>Rate</u>	9	\$ 21,000
<u>Full-time Salary</u>										
<u>No. Mos.</u>	<u>Rate</u>									
9	\$ 21,000									
(RBC# 3515)										
Change of Status										
Assistant Professor										
268. Stephen Sloan (Non-tenure)										
To:	6/1 - 8/31	100	14,700	4,900						
From:	6/1 - 8/31	50	14,700	2,450						
(RBC# 3728)										
Change of Status										
Associate Professor										
269. Bob M. Fannin (Tenure)										
To:	6/1 - 8/31	100	16,500	5,500						
From:	6/1 - 7/31	100	16,500	3,666						
(RBC# 3713)										
Resignation										
Assistant Professor										
270. Sung K. Park (Non-tenure)										
	6/1 - 8/31	100	11,700	3,900						
Remove from Summer Session Budget.										
(RBC# 3513)										

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF ENGINEERING (Continued)</u>				
<u>Electrical Engineering (Continued)</u>				
Resignation				
Assistant Professor				
271. D. G. Raj-karne (Non-tenure)	6/1 - 8/31	50	\$ 10,800	\$ 1,800
Remove from Summer Session Budget. (RBC# 3514)				
Resignation				
Associate Professor				
272. Terry J. Wagner (Tenure)	6/1 - 8/31	50	16,500	2,750
Remove from Summer Session Budget. (RBC# 3512)				
Interdepartmental Transfer				
273. Amount of Transfer - \$ 2,519				
To: Electrical Engineering - Faculty Salaries				
From: Aerospace Engineering - Faculty Salaries - (\$ 209)				
Chemical Engineering - Teaching Assistants (\$ 1,044)				
Mechanical Engineering -				
Faculty Salaries - (\$ 214)				
Teaching Assistants - (\$ 516)				
Dean's Reserve (\$ 536)				
(RBC# 3646, 3657, 3658, 3659, 3722)				
<u>Mechanical Engineering</u>				
Appointment				
Assistant Instructor				
274. Dinesh R. Pejaver (Non-tenure)	6/1 - 8/31	100	9,000	3,000
(RBC# 3364)				
Appointment				
Assistant Professor				
275. Stephen Malkin (Non-tenure)	6/1 - 8/31	100	13,200	4,400
(RBC# 3365)				
Appointment				
Assistant Instructor				
276. Michael Huerta (Non-tenure)	6/1 - 8/31	50	8,000	1,333
(RBC# 3883)				
Appointment				
Assistant Instructor				
277. Kenneth R. Young (Non-tenure)	6/1 - 8/31	50	9,000	1,500
(RBC# 3610)				
Appointment				
Instructor				
278. Cliff M. Collins (Non-tenure)	6/1 - 8/31	50	9,000	1,500
(RBC# 3368)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF ENGINEERING</u> (Continued)				
<u>Mechanical Engineering</u> (Continued)				
Change of Status				
Associate Professor				
279. Gary C. Vliet (Tenure)				
To:	6/1 - 8/31	25	\$ 16,000	\$ 1,332
From:	6/1 - 8/31	62.5	16,000	3,332
Funds allocated for Dr. Vliet's original Summer Session appointment were used for the appointment of another faculty member. A transfer of \$ 666 from Unallocated Summer Session was required for his subsequent reappointment.				
Concurrent Employment:				
Computer-Based Education Project			<u>Full-time Salary</u>	
Project Investigator	6/1 - 8/31	25	<u>No. Mos.</u>	<u>Rate</u>
			9	\$ 16,000
Bureau of Engineering Research				
Research Engineer (Faculty)	6/1 - 8/31	50	9	16,000
(RBC# 2730, 3089)				
Change of Status				
Associate Professor				
280. John J. Allen, III (Tenure)				
To:	6/1 - 8/31	75	17,000	4,249
From:	6/1 - 8/31	62.5	17,000	3,541
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Computer-Based Education Project			<u>Full-time Salary</u>	
Project Investigator	6/1 - 8/31	25	<u>No. Mos.</u>	<u>Rate</u>
(RBC# 3079, 2730)			9	\$ 17,000
Change of Status				
Assistant Professor				
281. Lawrence L. Hoberock (Non-tenure)				
To:	6/1 - 7/31	50	14,500	1,610
From:	6/1 - 7/31	25	14,500	805
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Computer-Based Education Project				
Research Engineer (Faculty)	6/1 - 7/31	50	14,500	1,611
(RBC# 2730, 3076)				
Change of Status				
Associate Professor				
282. Billy V. Koen (Tenure)				
To:	6/1 - 7/31	50	13,700	1,522
From:	6/1 - 7/31	25	13,700	761
Source of Funds:				
Transfer from Unallocated Summer Session				
Concurrent Employment:				
Computer-Based Education Project				
Research Engineer (Faculty) -				
Project Investigator	6/1 - 7/31	50	13,700	1,522
(RBC# 3230, 2730)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF ENGINEERING (Continued)</u>				
<u>Mechanical Engineering (Continued)</u>				
Resignation				
Assistant Professor				
283. William L. Oberkampf (Non-tenure)	6/1 - 8/31	100	\$ 12,200	\$ 4,066
Remove from Summer Session Budget. (RBC# 2861)				
<u>Mechanical Engineering - Engineering Graphics Division</u>				
Appointment				
Associate Professor				
284. Margaret R. Baker (Tenure)	7/16 - 8/31	100	12,200	2,033
(RBC# 3093)				
<u>COLLEGE OF FINE ARTS</u>				
<u>Art</u>				
Appointment				
Assistant Professor				
285. Guy Deel (Non-tenure)	7/16 - 8/31	59	12,200	1,204
(RBC# 4094)				
<u>Drama</u>				
Resignation				
Assistant Professor				
286. John W. Brokaw (Non-tenure)	7/16 - 8/31	100	12,300	2,050
Remove from Summer Session Budget. (RBC# 3496)				
Appointment				
Assistant Professor				
287. Stephen J. Wyman (Non-tenure)	6/1 - 7/15	100	12,000	1,500
(RBC# 3369)				
Appointment				
Lecturer				
288. Frank Gagliano (Non-tenure)	6/1 - 7/15	100	16,000	2,000
(RBC# 3639)				
Appointment				
Instructor				
289. Joe E. Manry (Non-tenure)	6/1 - 7/15	100	9,500	1,500
(RBC# 3494)				
Appointment				
Assistant Professor				
290. William S. Coleman (Non-tenure)	7/16 - 8/31	100	12,000	1,500
(RBC# 4097)				
Change of Status				
Instructor				
291. Kenneth A. McLean (Non-tenure)				
To:	6/1 - 7/15	100	9,500	1,583
From:	6/1 - 8/31	100	9,500	3,166
(RBC# 3495)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF FINE ARTS (Continued)</u>				
<u>Drama (Continued)</u>				
Transfer of Funds				
292. Amount of Transfer - \$ 4,644				
To: Drama -				
Faculty Salaries - (\$ 2,967)				
Teaching Assistants (\$ 1,677)				
From: Unallocated Summer Session (\$ 1,600)				
Dean's Reserve (\$ 3,044)				
(RBC# 3186, 3188, 3893, 4087)				
<u>Music</u>				
Appointment				
Associate Professor				
293. Donald B. Wright, Jr. (Tenure)	6/1 - 7/15	25	\$ 13,200	\$ 550
(RBC# 3505)				
Appointment				
Instructor				
294. Danielle J. Martin (Non-tenure)	7/16 - 8/31	100	10,000	1,666
(RBC# 3503)				
Appointment				
Assistant Instructor				
295. Charles W. Ward (Non-tenure)	6/1 - 8/31	100	8,000	2,666
(RBC# 3508)				
Appointment				
Professor				
296. William Droppmann (Tenure)	7/16 - 8/31	50	21,600	1,500
(RBC# 3504)				
Appointment				
Assistant Professor				
297. Eulan Brooks (Non-tenure)	6/1 - 8/31	50	12,700	2,116
Concurrent Employment:				
Library				
Professional Librarian -				
Librarian, Music Library				
(RBC# 3624, 3656)	6/1 - 8/31	50	<u>Full-time Salary</u>	
			<u>No. Mos.</u>	<u>Rate</u>
			12	\$ 10,900
Appointment				
Instructor				
298. Nancy B. Garrett (Non-tenure)	6/1 - 7/15	100	9,500	1,583
(RBC# 3509)				
Change of Status				
Associate Professor				
299. George Frock (Tenure)				
To:	7/16 - 8/31	75	12,400	1,549
From:	7/16 - 8/31	50	12,400	1,033
(RBC# 3621)				
Change of Status				
Associate Professor				
300. Wayne Barrington (Tenure)				
To:	6/1 - 7/15	67.5	15,200	1,709
From:	6/1 - 7/15	100	15,200	2,533
(RBC# 3499)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>COLLEGE OF FINE ARTS (Continued)</u>				
<u>Music (Continued)</u>				
Change of Status				
Associate Professor				
301. Charles E. Brookhart (Tenure)				
To:	7/16 - 8/31	75	\$ 16,000	\$ 1,999
From:	7/16 - 8/31	50	16,000	1,333
(RBC# 4179)				
Change of Status				
Associate Professor				
302. Martha M. Deatherage (Tenure)				
To:	6/1 - 7/15	100	12,200	2,033
From:	7/16 - 8/31	100	12,200	2,033
(RBC# 3498)				
Resignation				
Instructor				
303. Joe Bratcher (Non-tenure)				
	6/1 - 7/15	100	10,200	1,700
Remove from Summer Session Budget.				
(RBC# 3501)				
Resignation				
Assistant Professor				
304. Gayle H. Barrington (Non-tenure)				
	6/1 - 7/15	100	10,200	1,700
Remove from Summer Session Budget.				
(RBC# 3500)				
<u>SCHOOL OF LAW</u>				
Appointment				
Visiting Professor				
305. Pierre R. Loiseaux (Non-tenure)				
	7/16 - 8/31	100	18,000	3,000
(RBC# 2926)				
Appointment				
Assistant Professor				
306. Ruth F. Kirby (Non-tenure)				
	7/16 - 8/31	100	18,000	3,000
(RBC# 2922)				
Appointment				
Professor				
307. Stanley Johanson (Tenure)				
	6/1 - 7/15	25	26,000	750
(RBC# 3866)				
Appointment				
Visiting Professor				
308. N. William Hines (Non-tenure)				
	6/1 - 7/15	100	18,000	3,000
(RBC# 2924)				
Appointment				
Visiting Professor				
309. John Ritchie (Non-tenure)				
	6/1 - 7/15	100	18,000	3,000
(RBC# 2875)				

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>						
<u>SCHOOL OF LAW (Continued)</u>										
Appointment										
Visiting Professor										
310. William F. Young (Non-tenure) (RBC# 2860)	6/1 - 7/15	100	\$ 18,000	\$ 3,000						
Appointment										
Assistant Professor										
311. David G. Epstein (Non-tenure) (RBC# 2866)	7/16 - 8/31	100	18,000	3,000						
Appointment										
Visiting Professor										
312. Harry G. Calvert (Non-tenure) (RBC# 4066)	7/16 - 8/31	100	18,000	3,000						
Appointment										
Assistant Professor										
313. David A. Anderson (Non-tenure) (RBC# 3086)	6/1 - 7/15	100	17,000	2,833						
Appointment										
Visiting Professor										
314. Lionel H. Frankel (Non-tenure) (RBC# 3094)	7/16 - 8/31	100	18,000	3,000						
Appointment										
Visiting Professor										
315. Gersham Goldstein (Non-tenure) (RBC# 2925)	7/16 - 8/31	100	18,000	3,000						
Appointment										
Visiting Professor										
316. Eugene L. Smith (Non-tenure) (RBC# 2928)	6/1 - 7/15	100	18,000	3,000						
Appointment										
Lecturer										
317. Cicily J. Simms (Non-tenure)	6/1 - 8/31	50	14,000	2,333						
Concurrent Employment:										
School of Law - Travis County										
Legal Aid and Defenders Society										
Director, Clinical Legal										
Education										
(RBC# 3693)	6/1 - 8/31	50	<table border="1"> <thead> <tr> <th colspan="2"><u>Full-time Salary</u></th> </tr> <tr> <th><u>No. Mos.</u></th> <th><u>Rate</u></th> </tr> </thead> <tbody> <tr> <td>12</td> <td>\$ 14,000</td> </tr> </tbody> </table>		<u>Full-time Salary</u>		<u>No. Mos.</u>	<u>Rate</u>	12	\$ 14,000
<u>Full-time Salary</u>										
<u>No. Mos.</u>	<u>Rate</u>									
12	\$ 14,000									
Change of Status										
Professor										
318. Joseph Witherspoon, Jr. (Tenure)										
To:	7/16 - 8/31	100	28,500	3,000						
From:	6/1 - 7/15	100	28,500	3,000						
(RBC# 2876)										
Resignation										
Professor										
319. Frank W. Elliott, Jr. (Tenure)	6/1 - 7/15	100	27,000	3,000						
Remove from Summer Session Budget.										
(RBC# 2885)										

<u>Item, Department, Title, Name</u>	<u>Period of Appointment</u>	<u>% Time</u>	<u>Academic Rate</u>	<u>Summer Stipend</u>
<u>GRADUATE SCHOOL OF LIBRARY SCIENCE</u>				
Appointment				
Lecturer				
320. Narvella L. Woodruff (Non-tenure) (RBC# 3345)	6/1 - 8/31	100	\$ 12,000	\$ 4,000
Change of Status				
Lecturer				
321. Julie H. Bichteler (Non-tenure)				
To:	6/1 - 8/31	81	11,000	2,646
From:	6/1 - 8/31	81	11,000	2,980
(RBC# 2927)				
<u>GRADUATE SCHOOL OF SOCIAL WORK</u>				
Change of Status				
Assistant Professor				
322. Charlotte Clarke (Non-tenure)				
To:	6/1 - 7/15	100	13,200	2,200
From:	6/1 - 7/31	75	13,200	2,200
(RBC# 3696)				
<u>UNALLOCATED SUMMER SESSION</u>				
Transfer of Funds				
323. Amount of Transfer - \$ 30,000				
To: Unallocated Summer Session				
From: Unallocated Teaching Salaries (RBC# 2661, 3829)				

1972-73 BUDGET
SALARY RATE INCREASES OF \$2,000 OR MORE INVOLVING APPOINTMENTS
TO A DIFFERENT POSITION AND NEW AND DIFFERENT DUTIES

Source of Funds: Departmental Salaries unless otherwise specified.

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
1.	Michael W. Adams (Non-tenure) English Academic Rate (RBC# 3633)	Assistant Instructor \$ 8,800	Assistant Professor \$ 11,000	6/1 - 7/15
2.	Joseph E. Bolger Center for Nuclear Studies Salary Rate Source of Funds: AEC Contract (RBC# 3769)	Laboratory Research Assistant II \$ 4,488	Research Scientist Assistant I \$ 7,584	6/1/73
3.	Billy F. Campsey, Jr. Finance Academic Rate Office of the Dean, College of Business Administration	Teaching Assistant \$ 7,000	Assistant to the Dean \$ 12,000	7/1/73
4.	Susan W. Clagett Texas Union Salary Rate (RBC# 4147)	Student Development Specialist II \$ 9,864	Program Director \$ 12,000	7/1/73
5.	James R. Clynch Applied Research Laboratories Salary Rate Source of Funds: Government Contract Funds - Payroll Clearing Account (RBC# 4139)	Research Scientist Assistant III \$ 8,712	Research Scientist Associate IV \$ 14,100	7/1/73
6.	Joseph H. Culver Office of the President University Personnel Office University Development Board	Assistant Vice- President (1/2T) Director (1/2T)	Director (F.T.)	7/1/73
	Salary Rate (RBC# 3505, 3806, 3807)	\$ 21,000	\$ 24,200	

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
7.	Robert C. Godbout Research and Development Center for Teacher Education	Social Science Research Associate III	Social Science Research Associate IV	
	Salary Rate	\$ 8,712	\$ 11,664	7/1/73
	Source of Funds: HEW Contract (RBC# 4017)			
8.	Jerry S. Harris Office of the Dean, College of Fine Arts	Technical Staff Assistant IV	Director of Public Programs	
	Salary Rate (RBC# 3927)	\$ 7,584	\$ 9,864	7/1/73
9.	Darrell K. Ingram Applied Research Laboratories	Laboratory Research Assistant II	Research Engineer Associate I	
	Salary Rate	\$ 4,896	\$ 10,248	6/1/73
	Source of Funds: Government Contract Funds - Payroll Clearing Account (RBC# 3341)			
10.	Robert F. Inman Center for Highway Research	Laboratory Research Assistant II	Technical Staff Assistant IV	
	Salary Rate	\$ 4,896	\$ 7,236	6/1/73
	Source of Funds: Government Contract Funds - Payroll Clearing Account (RBC# 3690)			
11.	Jeffrey L. Kodosky Applied Research Laboratories	Research Scientist Assistant II	Research Scientist Associate I	
	Salary Rate	\$ 7,584	\$ 10,248	7/1/73
	Source of Funds: Government Contract Funds - Payroll Clearing Account (RBC# 4012)			
12.	Reuven Lazarowitz (Non-tenure) Oriental and African Languages and Literatures	Teaching Assistant	Instructor	
	Academic Rate	\$ 7,000	\$ 9,000	7/16 - 8/31
	Source of Funds: Departmental Faculty Salaries and Transfer from Unallocated Summer Session (RBC# 3348, 3331)			

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
13.	Percy A. Morehouse Extension Teaching and Field Service Bureau	Assistant Project Director	Project Director	
	Salary Rate	\$ 15,000	\$ 18,000	7/1/73
	Source of Funds: Office of Education Contract (RBC# 4164)			
14.	Joseph P. O'Malley Purchasing Office Chemistry	Administrative Clerk	Senior Procurement Officer	
	Salary Rate (RBC# 3825)	\$ 5,364	\$ 9,096	7/16/73
15.	Clair R. Ossian (Non-tenure) Geological Sciences	Teaching Assistant	Assistant Instructor	
	Academic Rate (RBC# 3870)	\$ 5,400	\$ 8,000	7/16/73
16.	Carl H. Parmer Office of the Dean Division of Extension	Clerk	Accountant I	
	Salary Rate (RBC# 3934)	\$ 4,296	\$ 9,480	7/1/73
17.	Shirley B. Perry Texas Union	Program Director	Director, Texas Union	
	Salary Rate (RBC# 3959)	\$ 13,000	\$ 20,000	6/16/73
18.	Byron W. Porter Center for Highway Research	Laboratory Research Assistant II	Research Engineer Assistant I	
	Salary Rate	\$ 4,488	\$ 7,584	6/1/73
	Source of Funds: Government Contract Funds - Payroll Clearing Account (RBC# 3650)			
19.	Denise E. Reneau General Business Center for Cybernetic Studies	Secretary	Administrative Secretary	
	Salary Rate	\$ 4,896	\$ 7,944	5/24/73
	Source of Funds: U. S. Navy Contract (RBC# 3340)			

Item No.	Explanation	Present Status	Proposed Status	Effective Dates
20.	William I. Simpson Chemistry	Technical Staff Assistant III	Technical Staff Assistant V	
	Salary Rate (RBC# 2840)	\$ 5,892	\$ 9,864	6/1/73
21.	Melvin L. Snyder (Non-tenure) Psychology	Social Science Research Associate IV	Instructor	
	Salary Rate-12 mos.	\$ 11,664		
	Academic Rate (RBC# 3135)	8,748 (equiv.)	\$ 12,000	6/1 - 7/15
22.	Villy Sorenson Electrical Engineering	Research Engineer Assistant I		
	Mechanical Engineering		Computer Programmer I	
	Salary Rate	\$ 6,180	\$ 10,248	6/1/73
	Source of Funds: Reactor Laboratory Revolving Fund (RBC# 3783)			
23.	Robert W. Tissing, Jr. Library	Library Assistant	Professional Librarian - Archivist	
	Salary Rate (RBC# 3967)	\$ 5,364	\$ 9,000	7/1/73
24.	Tsann-Wang Yu Center for Numerical Analysis	Postdoctoral Research Associate		
	Center for Research in Water Resources		Research Engineer Associate IV	
	Salary Rate (RBC# 4165)	\$ 9,480	\$ 12,816	5/21/73
25.	Gary G. Warren Applied Research Laboratories	Technical Staff Assistant IV	Technical Staff Assistant V	
	Salary Rate	\$ 7,584	\$ 9,864	5/1/73
	Source of Funds: Government Contract Funds - Payroll Clearing Account (RBC# 3003)			

<u>Item No.</u>	<u>Explanation</u>	<u>Present Status</u>	<u>Proposed Status</u>	<u>Effective Dates</u>
26.	Steven L. Watkins Applied Research Laboratories	Research Scientist Assistant I	Computer Programmer I	
	Salary Rate	\$ 6,588	\$ 10,248	6/15/73
	Source of Funds: Government Contract Funds - Payroll Clearing Account (RBC# 4166)			

0321
File

THE UNIVERSITY OF TEXAS AT AUSTIN
 SCHEDULE OF ADDITIONAL (OR CHANGES IN)
 FUNDING OF CONSTRUCTION PROJECTS
 September 14, 1973

Project No.	Project Title	Source of Funds		Amount
		From	To (New or Additional Appropriation)	
102-196	Addition to Chemistry Building and Undergraduate Classrooms		CFB	\$ 15,000,000
102-199	Fifty Meter Swimming Pool		CFB	5,790,000
102-262	Landscaping San Jacinto - 19th Street		CFB	360,000
102-269	Drama Workshops	PUF	NPC	1,600,747
102-198	Special Events Center	CFB	NPC	19,750,000
102-200	Social Sciences and Humanities Library		NPC	20,000,000
102-271	Concert Hall		NPC	10,000,000
102-267	Opera Lab Theatre		NPC	1,105,955
102-265	Fine Arts Library and Administration	IOP	CFB	400,000

Legend

- (PUF) Permanent University Fund Bond Proceeds
- (CFB) Combined Fee Bond Proceeds
- (IOP) Interest on Proceeds
- (NPC) U. T. Non-profit Corporation



THE UNIVERSITY OF TEXAS AT DALLAS

OFFICE OF THE PRESIDENT

August 6, 1973

Chancellor Charles A. LeMaistre
The University of Texas System
601 Colorado St.
Austin, Texas 78701

Dear Chancellor LeMaistre:

The following docket for The University of Texas at Dallas is submitted for your approval and submission to the Board of Regents at its meeting on September 14, 1973. The submitted docket contains twelve pages.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Bryce Jordan'.

Bryce Jordan
President

dm
Attachment

F

THE UNIVERSITY OF TEXAS AT DALLAS

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

ABSENCE FROM USUAL AND REGULAR DUTIES

In accordance with Part Two, Chapter III, Section 13 of the Rules and Regulations of the Board of Regents of The University of Texas System, I recommend and the Chancellor's Office has approved the following requests for absence from usual and regular duties:

1. Dr. Francis S. Johnson for the period September 6 through September 28, 1973, to attend the Second General Scientific Assembly, International Association of Geomagnetism and Aeronomy; present a paper at the IAGA Symposium on Dynamics, Chemistry and Thermal Processes in the Ionosphere and Thermosphere; and to present a paper at the Special Symposium on Planetary Atmospheres and Exospheres, all in Kyoto, Japan. To give a lecture at the University of Taiwan. No travel costs are being paid from state funds.
2. Dr. Brian W. Johnson for the period May 10 through June 13, 1973, to travel to Bucharest, Romania, and Frankfurt, Germany, to participate in research as required by NSF Grant GF443. No state funds are involved in this travel.
3. Dr. Carl B. Collins, Jr., for the period July 13 through September 15, 1973, to travel to Belgrade, Yugoslavia, to present a paper at the VIII International Conference on the Physics of Atomic Collisions; and Bucharest, Romania, to continue research as required by NSF Grant GF443. No state funds are involved.
4. Dr. Andrew B. Christensen for the period August 27 through September 27, 1973, to travel to University of Alaska, Fairbanks, to install grille spectrometer at the Geophysical Institute. No state funds are involved.
5. Dr. Austin J. Cunningham, for the period July 11 through August 1, 1973, to travel to VIII International Conference on the Physics of Atomic Collisions and present a paper, Belgrade, Yugoslavia; to visit government laboratory at Culham, England, and the Physics department, Queens University, Belfast, Ireland. No travel costs are being paid from state funds.
6. Dr. Walter J. Heikkila for the period July 25 through August 31, 1973, to travel London, Slough, and Sheffield, England to visit space science research labs and station and present a paper at Summer Advanced Study Institute; Charlottenlund, Denmark to discuss cooperative rocket launchings from Greenland; and Freiburg, Germany, to visit Rainer Kist regarding research on ESRO Fellowship. No state funds are involved.
7. Dr. W. B. Hanson for the period September 6 through October 2, 1973, to attend IAGA General Scientific Assembly, Kyoto, Japan; and visit College, Alaska, Geophysical Observatory. No state funds are involved.
8. Dr. Brian A. Tinsley for the period September 5 through October 15, 1973, to present a paper at the IAGA General Scientific Assembly, Kyoto, Japan; Fairbanks, Alaska, to continue research with grille spectrometer installed by UTD personnel in August. No state funds are involved.

*Miles
7/27/73*

THE UNIVERSITY OF TEXAS AT DALLAS

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

DOCKET CORRECTION, JULY 27, 1973 MEETING OF THE BOARD OF REGENTS

In the Docket for the July 27, 1973 meeting of the Board of Regents, The Bulletin of The University of Texas at Dallas: Graduate Catalog Issue 1973-74 was approved. On page D-18 in Paragraph "A" of the sub-entry "Concurrent Admission", under the major entry "Admission To The Undergraduate Programs" --because of an error in translation of the comparable score (800) on the Scholastic Aptitude Test -- it is incorrectly stated that a score of 20 on the American College Test is required for certain students to be eligible for Concurrent Admission to The University of Texas at Dallas. The score on the American College Test which is comparable to 800 on the Scholastic Aptitude Test is 18. The corrected catalog entry should read as follows:

"A. Any student in the top one-half of his high school graduating class, establishing a score of 800 on the Scholastic Aptitude Test (SAT), or 18 / 20 on the American College Test (ACT), is eligible for Concurrent Admission, beginning in 1973 to The University of Texas at Dallas. Students holding Concurrent Admission status will be permitted to enroll for upper division courses at The University of Texas at Dallas beginning in 1974, subject to their presenting fifty-four (54) semester hours or eighty-one (81) quarter hours of lower division work with a cumulative grade point average of 2.0 on a 4.0 system for all lower division work and having satisfied the necessary prerequisites."

This catalog entry is reflective of the action of the Board of Regents in approving the upper division Undergraduate Admissions Standards for The University of Texas at Dallas (page 21 of Part One of the Minutes of the Board of Regents, April 24, 1973, Meeting #713).

THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL)

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

The following contracts and agreements have been executed by the appropriate official, and I recommend ratification.

1.

Agency: The Robert A. Welch Foundation
 Grant No.: AT-562
 New Funds: \$45,000
 Date: May 1, 1974 - April 30, 1977
 Description: Energy Transfer in Excited States of Diatomic Metal Hydrides
 County of Expenditure: Dallas/Collin

GRANTS, CONTRACTS AND AGREEMENTS (STATE)

2.

Agency: East Texas State University
 Contract No.: IAC(72-73)-1234 (UTD E1799-02)
 New Funds: \$600.00
 Date: June 1, 1973 - August 31, 1973
 Description: Computer Center Services
 County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

The following contracts, grants and amendments have been signed by the appropriate official upon the recommendation of the respective technical directors, fiscal officers, and the Assistant Director of the Center for Advanced Studies.

Expenditures from these contracts and grants will be made in accordance with regular University operating procedures and contractual limitations. Personnel appointments and changes will be in accordance with University salary rates and approvals. Travel and purchasing conform to established procedures.

1.

Agency: National Science Foundation
 Grant No.: GA-25683, Amendment No. 2 (UTD E1671-02)
 New Funds: None
 Date: September 1, 1970 - June 30, 1974
 Description: Multi-Disciplinary Studies of Stable and Tectonically Active Regions of the Crust and Upper Mantle in the United States
 County of Expenditure: Dallas/Collin

2.

Agency: National Science Foundation
 Grant No.: GA-28962, Amendment No. 2 (UTD E1407-06)
 New Funds: None
 Date: May 1, 1971 - November 30, 1973
 Description: Dallas-Churchill Super-Neutron Monitor Stations
 County of Expenditure: Dallas/Collin

3.

Agency: National Institute of Allergy and Infectious Diseases, DHEW
 Grant No.: 5 R01 AI10468-03 (UTD E1694-03)
 New Funds: \$41,339 Direct Costs Only
 Date: September 1, 1973 - August 31, 1974
 Description: Infectious Drug Resistance Plasmids
 County of Expenditure: Dallas/Collin

4.

Agency: Advanced Research Projects Agency, Air Force Cambridge Research Laboratories
 Contract No.: F19628-73-C-0285 (UTD E1662-01)
 New Funds: \$25,000
 Date: July 2, 1973 - June 30, 1974
 Description: Research for Determining Propagation Characteristics for ARPA's Norwegian Array
 County of Expenditure: Dallas/Collin

5.

Agency: College Library Resources Program, DHEW
 Grant No.: OEG-0-73-4957 (UTD E1332-01)
 New Funds: \$5,000.00
 Date: June 30, 1973 - June 30, 1974
 Description: College Library Resources Program, FY 1973
 County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS SYSTEM

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL) (continued)

6.

Agency: National Endowment for the Arts
 Grant No.: A30-41-97 (UTD E1333-01)
 New Funds: \$2,300 Direct Costs Only
 Date: July 1, 1973 - June 30, 1974
 Description: Photography: Exhibition Aid
 County of Expenditure: Dallas/Collin

7.

Agency: NASA/Goddard Space Flight Center
 Contract No.: NAS5-11011, Modification No. 16 (UTD E1602)
 New Funds: \$20,000
 Date: February 27, 1967 - December 31, 1973
 Description: A Soft-Particle Spectrometer for the ISIS-B Satellite
 County of Expenditure: Dallas/Collin

8.

Agency: NASA-Goddard Space Flight Center
 Contract No.: NAS5-11407, Modification No. 8 (UTD E1677)
 New Funds: \$125,000
 Date: April 6, 1971 - December 31, 1973
 Description: Atmosphere Explorer Planar Ion Trap Experiment
 County of Expenditure: Dallas/Collin

9.

Agency: NASA/Goddard Space Flight Center
 Contract No.: NAS 5-11406, Modification No. 7 (UTD E1678)
 New Funds: \$79,000
 Date: April 6, 1971 - November 30, 1973
 Description: Atmosphere Explorer Magnetic Ion Mass Spectrometer Experiment
 County of Expenditure: Dallas/Collin

10.

Agency: NASA/Headquarters
 Grant No.: NGR 44-004-142 (UTD E1334-01)
 New Funds: \$38,000
 Date: July 1, 1973 - June 30, 1974
 Description: Comparison of OGO-4 Ultraviolet and Visible Nightglow Data with
 Computer Models to Evaluate F-Region Winds
 County of Expenditure: Dallas/Collin

11.

Agency: NASA/Lyndon B. Johnson Space Center
 Contract No.: NAS 9-10410, Modification No. 27S (UTD E1660)
 New Funds: None
 Date: October 27, 1969 - September 30, 1973
 Description: Mass Spectrometers on Apollo 15 and Apollo 16
 County of Expenditure: Dallas/Collin

12.

Agency: NASA/Lyndon B. Johnson Space Center
 Contract No.: NAS 9-5964, Modification No. 21S (UTD E1473)
 New Funds: None
 Date: May 14, 1966 - December 31, 1973
 Description: Cold Cathode Gauge for Apollo Lunar Surface Experiment
 County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS AT DALLAS

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL) (continued)

13.

Agency: NASA/Lyndon B. Johnson Space Center
Contract No.: NAS9-12074, Modification No. 5S (UTD E1691-01)
New Funds: \$68,850.00
Date: June 1, 1971 - January 31, 1974
Description: Scientific Support of the Lunar Atmospheric Mass Spectrometer
County of Expenditure: Dallas/Collin

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

GENERAL ADMINISTRATIONStudent Services

1. Transfer of Funds

Amount of Transfer - \$ 200

From: Student Services Travel \$ 200

To: Student Services Maintenance & Operation \$ 200

To provide for unanticipated printing charges (D127).

Office of the Director of Admissions and Registrar

2. Transfer of Funds

Amount of Transfer - \$ 4,634

From: Unallocated Classified Salaries \$ 4,634

To: Admissions and Registrar Classified Salaries \$ 4,634

To provide for the establishment of two Admissions Counselor classified positions (D90, D91).

Planning and Management Systems

3. Transfer of Funds

Amount of Transfer - \$ 100

From: Planning & Management Systems Library Materials \$ 100

To: Planning & Management Systems Travel \$ 100

To provide funds for expenses incurred due to increased number of projects which require local travel (D110).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)RESIDENT INSTRUCTIONGraduate Program in Geological Sciences

4. Transfer of Funds

Amount of Transfer - \$ 150

From:	Graduate Program in Geological Sciences Classified Salaries	\$ 150
-------	--	--------

To:	Graduate Program in Geological Sciences Maintenance and Operation	\$ 150
-----	--	--------

To provide funds for the hire of a temporary secretary (D113).

Graduate Program in Biology

5. Transfer of Funds

Amount of Transfer - \$ 905

From:	Graduate Program in Biology Administrative and Professional Salaries	\$ 905
-------	---	--------

To:	Graduate Program in Biology Classified Salaries	\$ 905
-----	---	--------

To provide funds for the establishment of a classified position (D115).

Graduate Program in Mathematical Sciences

6. Appoint Kenneth B. McCool, Lecturer, to the Graduate Program in Mathematical Sciences, 67% time for the period 6/1/73 thru 7/15/73, academic salary rate \$8,000. Funds for this appointment available in the Graduate Program in Mathematical Sciences Faculty Salaries (D119).

7. Appoint Jyoti P. Basu, Lecturer, to the Graduate Program in Mathematical Sciences, 60% time for the period 6/1/73 thru 8/31/73, academic salary rate \$9,000. Funds for this appointment available in the Graduate Program in Mathematical Sciences Faculty Salaries-\$1,400 and Unallocated Faculty Salaries-\$400 (D122).

8. Revise appointment of Raj S. Chhikara, Lecturer, in the Graduate Program in Mathematical Sciences to 60% time for the period 6/1/73 thru 8/31/73, academic salary rate \$9,000. Funds for this appointment available in the Graduate Program in Mathematical Sciences Faculty Salaries (D124).

Graduate Program in Management and Administrative Sciences

9. Appoint Hillel J. Kumin, Visiting Associate Professor (without tenure), to the Graduate Program in Management and Administrative Sciences, 100% time for the period 6/1/73 thru 7/16/73, academic salary rate \$15,000. Funds for this appointment available in the Graduate Program in Management and Administrative Sciences Faculty Salaries (D121).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)ORGANIZED RESEARCHInstitute for Physical Sciences

10. Transfer of Funds

Amount of Transfer - \$ 917

From: Unallocated Classified Salaries \$ 917

To: Institute for Physical Sciences Classified Salaries \$ 917

To provide funds for the establishment of a classified position in the Institute for Physical Sciences (D114).

11. Transfer of Funds

Amount of Transfer - \$ 226

From: Institute for Physical Sciences Maintenance and Operation \$ 226

To: Institute for Physical Sciences Wages \$ 226

To provide funds for an hourly employee (D128).

Institute for Geological Sciences

12. Transfer of Funds

Amount of Transfer - \$ 1,400

From: Institute for Geological Sciences Classified Salaries \$ 1,400

To: Institute for Geological Sciences Maintenance and Operation \$ 1,400

To provide funds for the hire of temporary typists in the Institute for Geological Sciences (D112).

13. Transfer of Funds

Amount of Transfer - \$ 3,300

From: Institute for Geological Sciences Classified Salaries \$ 3,300

To: Institute for Geological Sciences Maintenance and Operation \$ 3,300

To provide funds for equipment maintenance and repair charges (D126).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)ORGANIZED RESEARCH (continued)Institute for Molecular Biology

14. Transfer of Funds

Amount of Transfer - \$ 4,277

From:	Institute for Molecular Biology Administrative and Professional Salaries	\$ 2,145
	Graduate Program in Biology Administrative and Professional Salaries	\$ 2,132
To:	Institute for Molecular Biology Classified Salaries	\$ 4,277

To provide funds for the establishment of classified positions (D115, D129).

Institute for Mathematical Sciences

15. Transfer of Funds

Amount of Transfer - \$ 437

From:	Graduate Program in Mathematical Sciences Maintenance and Operation	\$ 437
To:	Institute for Mathematical Sciences Classified Salaries	\$ 437

To provide funds for classified positions in conjunction with the College Work Study Program (D117, D123).

Institute for Management and Administrative Sciences

16. Transfer of Funds

Amount of Transfer - \$ 1,336

From:	Institute for Management and Administrative Sciences Classified Salaries	\$ 1,336
To:	Institute for Management and Administrative Sciences Maintenance and Operation	\$ 601
	Institute for Management and Administrative Sciences Capital Outlay	\$ 671
	Institute for Management and Administrative Sciences Travel	\$ 64

To provide funds for the preparation for research proposals and the purchase of electronic calculators (D125, D131).

THE UNIVERSITY OF TEXAS AT DALLAS

AMENDMENTS TO THE 1972/73 OPERATING BUDGET (continued)CONTRACTS AND GRANTSInstitute for Physical Sciences

17. Revise appointment of Peter L. Dyson, Visiting Scientist, in the Institute for Physical Science Contracts and Grants from 12-1-72 thru 2-28-73 to 12-8-72 thru 5-18-73, 100% time, annual salary rate \$16,800. Additional funds available from the Institute for Physical Science Contracts and Grants (D111).
18. Enter leave of absence without pay to John P. McClure, Research Scientist, Institute for Physical Science Contracts and Grants, for the period 6/21/73 thru 7/3/73, annual salary rate \$18,900 (D118).

Institute for Geological Sciences

19. Revise appointment of Flavian Abramovici, Institute for Geological Science Contracts and Grants, from Visiting Scientist, annual salary rate \$12,800, to Research Scientist, annual salary rate \$16,400, from 6/1/73 thru 8/31/73. Funds for this appointment available in the Institute for Geological Science Contracts and Grants (D120).

Institute for Molecular Biology

20. Revise the percent of time for Helga Harm, Research Scientist, from 90% to 100% in the Institute for Molecular Biology Contracts and Grants from 7/1/73 thru 8/31/73, annual salary rate \$13,200. Funds for this revision available in the Institute for Molecular Biology Contracts and Grants (D130).

Institute for Environmental Sciences

21. Appoint Raj S. Chhikara, Research Scientist, to the Institute for Environmental Science Contracts and Grants to 40% time for the period 6/1/73 thru 8/31/73, annual salary rate \$12,000. Funds for this appointment available in the Institute for Environmental Sciences Contracts and Grants (D124).
22. Appoint Thomas L. Boullion, Research Scientist, to the Institute for Environmental Science Contracts and Grants, 100% time for the period 6/1/73 thru 7/15/73, annual salary rate \$24,000. Funds for this appointment available in the Institute for Environmental Science Contracts and Grants (D116).
23. Appoint Jyoti P. Basu, Research Scientist, to the Institute for Environmental Science Contracts and Grants, 40% time for the period 6/1/73 thru 8/31/73, annual salary rate \$12,000. Funds for this appointment available in the Institute for Environmental Science Contracts and Grants (D122).

THE UNIVERSITY OF TEXAS AT EL PASO
El Paso, Texas

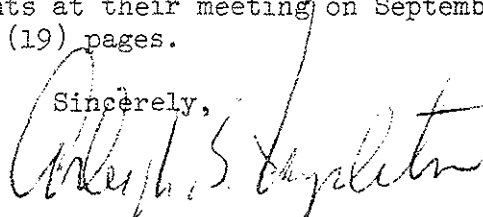
August 1, 1973

Chancellor Charles A. LeMaistre
The University of Texas System
601 Colorado
Austin, Texas 78701

Dear Chancellor LeMaistre:

I forward herewith the docket for The University of Texas at El Paso for submission to the Board of Regents at their meeting on September 14, 1973. The docket consists of nineteen (19) pages.

Sincerely,



Arleigh B. Templeton
President

THE UNIVERSITY OF TEXAS AT EL PASO
El Paso, Texas

Docket for Meeting September 14, 1973

BUSINESS CONTRACT ITEMS

I recommend approval of the following contracts:

1. Contract with Western Container Company, Inc., 7241 Stiles Road, El Paso, Texas, for the collection and disposal of trash, rubbish, garbage and general debris from the campus for the two-year period beginning September 1, 1973 and ending August 31, 1975 at the rate of \$1.20 per cubic yard. Invitations to bid and specifications were sent to the only two companies in El Paso in this business with Western Container Company, Inc. submitting the low bid. The funds for this contract will come from the budgets for 1973-74 and 1974-75 for Physical Plant (General Services), The Union, and the Housing System.

2. Contract with Tri-State Broadcasting Company, 801 North Oregon, El Paso, Texas, for the exclusive AM radio broadcasting rights for the home football games for the 1973 season for the sum of \$4,785.00. Invitations to bid and specifications were sent to seven radio stations; the bid from Tri-State Broadcasting Company was the only bid received for football.

3. Contract with Desert Horizons, Inc. (KROD Radio), 2201 Wyoming, El Paso, Texas, and Walton Enterprises, Inc. (KELP-TV), 4140 Rio Bravo, El Paso, Texas, for the exclusive local radio broadcast rights and the exclusive local television video tape replay rights for the home basketball games to be played during the 1973-74 season for the sum of \$13,200.00. Invitations to bid and specifications were sent to seven radio and/or television stations; two bids were received with the joint bid by Desert Horizons, Inc. and Walton Enterprises, Inc. the high bid.

4. Contract with Professional Services Company, 3000 East Houston Street, San Antonio, Texas, for the food service management for the Housing System. The contract will commence in August, 1973, with the date determined to the satisfaction of both parties. The University will reimburse Professional Services Company for the cost of food, labor and other direct costs. In addition, the University will pay a management fee computed at four (4) percent of the operating costs plus \$125.00 per week. The contract stipulates that the cost to the University for meals and all management services provided by Professional Services Company will not exceed \$1.85 per person per day annually under any circumstances. All cash income from casual meals, arranged private meals, banquets, and/or all other food service functions in the Commons Building including meal ticket plans for non-boarding students and others will be credited to the monthly billing to the University. At any time the quality of food and/or service becomes unacceptable, the University may cancel the agreement by giving Professional Services Company thirty (30) days written notice. Professional Services may cancel the agreement after the expiration of one (1) year by giving the University thirty (30) days written notice. The rate of \$1.85 per day is subject to renegotiation after the first twelve (12) months of this agreement, such negotiation, if any, to take place prior to June 15, 1974, and each June 15 thereafter. It is the mutual intention of the parties that so long as there is reasonable occupancy of the dormitories and quality performance under the contract, the agreement will be expected to continue from year to year.

5. Contract with the United States Post Office Department to operate a contract station on the campus of The University of Texas at El Paso for the three-year period ending June 30, 1976. This is a continuation of the operation of the station that started on September 15, 1969. The University will receive \$7,200.00 per year from the operation of the facility.

BUSINESS CONTRACT ITEMS (CONTINUED)

6. Contracts for the operation of vending machines on the campus of The University of Texas at El Paso for the two-year period beginning September 1, 1973 and ending August 31, 1975. Competitive bids were secured and the contract awarded to the highest bidder for each type of vending machine operation. The income from these contracts will be accounted for as State revenue.

<u>Company</u>	<u>Type of Machine Operation</u>	<u>Commission</u>
Garland Vending Company, 1318 North Stevens Street El Paso, Texas	Food items, hot drinks and soft drinks (post-mix)	Varies from 5% to 27% of gross receipts according to item
	Cigarettes	5.2¢ per pack
Magnolia Coca-Cola Bottling Company, 2720 East Yandell, El Paso, Texas	Coca-Cola and Allied Products	
	Returnable bottles *	\$1.20 per case
	Disposable bottles	\$0.70 per case
Apartment Coin Laundry Service, 8805 Cosmos Street, El Paso, Texas	Cans	\$0.50 per case
	Clothes Washers and dryers	61% of gross receipts

* Bottle loss will be shared on 50-50 basis.

HOLIDAY AND VACATION SCHEDULE FOR CLASSIFIED AND NON-TEACHING EMPLOYEES

I recommend the following holiday and vacation schedule for classified and non-teaching employees be approved for the 1973-74 fiscal year:

HOLIDAY SCHEDULE

September 3, 1973	(Monday)	Labor Day
November 22, 1973	(Thursday)	Thanksgiving Day
November 23, 1973	(Friday)	Thanksgiving Holiday
December 24, 1973	(Monday)	Christmas Holiday
December 25, 1973	(Tuesday)	Christmas Day
December 26, 1973	(Wednesday)	Christmas Holiday
December 27, 1973	(Thursday)	Christmas Holiday
December 28, 1973	(Friday)	Christmas Holiday
December 31, 1973	(Monday)	Christmas Holiday
January 1, 1974	(Tuesday)	New Year's Day
April 12, 1974	(Friday Afternoon)	Good Friday (one-half day)
May 27, 1974	(Monday)	Memorial Day
July 4, 1974	(Thursday)	Independence Day
August 27, 1974	(Tuesday)	Lyndon Baines Johnson's Birthday

VACATION SCHEDULE

The annual vacation leave entitlement for eligible employees will be a maximum of twelve (12) working days for fiscal year 1973-74. University employees who have been continuously employed for six months or longer, and on at least a half-time basis, are eligible for vacation leave to the extent of eight (8) hours for each month of continuous employment (or the appropriate fraction thereof) in the current fiscal year; not to exceed twelve working days. University employees who have completed fifteen (15) or more years of state employment shall be entitled to sixteen and a half (16 1/2) working days, and employees who have completed twenty (20) years of state employment shall be entitled to twenty-two and a half (22 1/2) working days vacation leave for 1973-74.

THE UNIVERSITY OF TEXAS AT EL PASO
Grants, Contracts and Agreements (State)
September 14, 1973

I recommend approval of the following interagency contracts:

1. Interagency Contract No. IAC(72-73)-1248 beginning May 1, 1973 and ending August 31, 1973, between the Texas Department of Community Affairs and The University of Texas at El Paso, whereby the University shall perform testing and evaluation for the Texas State Building Materials and Systems Testing Laboratory as authorized by S. B. 535, Acts of the 62nd Texas Legislature. The Texas Department of Community Affairs shall pay any and all actual costs incurred by the University in the testing and evaluation. The total amount of the contract shall not exceed \$50,000.00. The contract was approved by the Board of Control on May 1, 1973.
2. Interagency Contract No. IAC(74-75)-012 beginning September 1, 1973 and ending August 31, 1975, between The University of Texas at Austin and The University of Texas at El Paso, whereby visual instructional films and other instructional aids will be furnished U. T. El Paso by the Visual Instruction Bureau at U. T. Austin. U. T. El Paso will pay the prices shown in "Educational Motion Picture Resource Guide" and publications by the Visual Instruction Bureau of U. T. Austin. The total amount of the contract will not exceed \$7,500.00. The contract was approved by the Board of Control on July 6, 1973.
3. Interagency Contract No. IAC(72-73)-1258 beginning June 15, 1973 and ending August 31, 1975, between The University of Texas at Arlington and The University of Texas at El Paso, whereby 16mm educational motion picture films and other instructional materials will be furnished U. T. El Paso by U. T. Arlington. Charges will be based on a sliding rental scale which is in turn based on time, running length and color or black and white of the individual film. The total amount of the contract will not exceed \$2,500.00. The contract was approved by the Board of Control on June 15, 1973.

THE UNIVERSITY OF TEXAS AT EL PASO
Grants, Contracts and Agreements (Federal)
September 14, 1973

A 1 A

The following contracts, grants and amendments have been negotiated and have been signed by me upon the recommendation of the directors of the projects. I recommend your approval and ratification of the signatures.

1. Modification No. P00004, dated June 7, 1973, to Contract No. F29601-71-C-0028, whereby the Contracting Officer, Air Force Special Weapons Center (PMRA), Kirtland Air Force Base, New Mexico 87115, notifies contractor that the estimated cost of performance is decreased by \$9,325.44, from \$134,725.00 to \$125,399.56 pursuant to Clause B.3 entitled Limitation of the General Provisions. There is no change in terms or conditions. The majority of the expenditures from this award will be made in El Paso County.
2. Amended Order No. DABE32-73-D-4936, dated May 30, 1973, to Basic Agreement No. DABD07-71-A-0001, whereby the Contracting Officer, Procurement Division, DIO, P. O. Box 6078, Fort Bliss, Texas 79906, requests that 188 students be enrolled for 594 credit hours in the on-post program during the summer sessions, 1973, for which the government undertakes a total obligation of \$6,682.50. The majority of expenditures from this award will be made in El Paso County.
3. Assignment Agreement No. IG-00072, dated June 28, 1973, whereby the Grants Branch, National Science Foundation, Washington, D. C. 20550, provides \$6,670.00 for the Personnel Mobility Program for Dr. Clarence Henry Cooper, who will advise the Division on matters concerning programs on Hispanic American science education. The majority of the expenditures from this award will be made in El Paso County.
4. Contract No. NCAA 33-3, dated June 4, 1973, whereby the Controller, National Collegiate Athletic Association, Shawnee Mission, Kansas awards \$30,000.00 to provide for the 1973 National Summer Youth Sports Program (NSYSP) beginning May 25, 1973 and continuing until such time as program evaluation has been completed and all subcontracts settled and audited. The majority of the expenditures from this award will be made in El Paso County.
5. Notification of Grant Award No. OEG-0-73-3471(314), dated June 15, 1973, whereby the Grants Officer, Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202 awards \$5,000.00 for Basic Materials for the College Library Resources Program, FY 1973 to be directed by Mr. Donald L. Bosseau. The majority of the expenditures from this award will be made in El Paso County.
6. Modification No. A00002, dated June 15, 1973, to Contract No. DABE32-73-A-0002, whereby the Contracting Officer, Procurement Division, DIO, P. O. Box 6078, Fort Bliss, Texas 79906, changes the address to submit invoices to. All other conditions of the contract are to remain unchanged. The majority of the expenditures from this award will be made in El Paso County.
7. Amended Order No. DABE32-73-D-4951, dated June 16, 1973, to Basic Agreement No. DABD07-71-A-0002, whereby the Contracting Officer, Procurement Division, DIO, Fort Bliss, Texas 79906, requests that 5 students be enrolled for 66 credit hours in the on-campus program during the Summer Sessions, 1973, for which the government undertakes a total obligation of \$281.25. The majority of the expenditures from this award will be made in El Paso County.
8. Delivery Order No. 0833 (DO#10), dated June 20, 1973, to Educational Service Agreement No. DABE34-72-A-0371, whereby the Contracting Officer, Procurement Division, DIO, Building No. 4004, Fort Sam Houston, Texas 78234, authorizes Maj. David G. Wilkie to be enrolled in the Summer Session, 1973 at an estimated cost of \$530.00. The majority of the expenditures from this award will be made in El Paso County.

Grants, Contracts and Agreements (Federal) Continued

9. Notification of Grant Award No. OEG-0-73-1267(715), dated June 21, 1973, whereby the Grants Officer, Department of Health, Education and Welfare, Office of Education, Washington, D. C. 20202 awards \$209,373.00 for the period May 7, 1973 through May 31, 1974 for the Teacher Corps Training Program, Eight Cycle. The majority of the expenditures from this award will be made in El Paso County.
10. Modification No. A00001, dated June 20, 1973, to Contract No. DAAD07-72-C-0257, whereby the Contracting Officer, Procurement Directorate, STEWS-PR-A, Building 1830, White Sands Missile Range, New Mexico 88002, extends performance period for one additional year, from June 20, 1973 through June 30, 1974 and the total estimated cost is increased by \$131,718.00 from \$61,042.00 to \$192,760.00, however, only \$50,000.00 could be obligated at that time. The majority of the expenditures from this award will be made in El Paso County.
11. Modification No. A00023, dated June 29, 1973, to Contract No. DA-29-040-ORD-1930, whereby the Contracting Officer, Procurement Directorate, STEWS-PR-A, Building 1830, White Sands Missile Range, New Mexico 88002, extends the contract term for a period of six months beginning July 1, 1973 through December 31, 1973 and an Adapter, Plug-In, Tektronix, Model 81, is added to the Government Furnished Equipment list. All other terms and conditions remain the same. The majority of the expenditures from this award will be made in El Paso County.
12. Contract No. F41609-74-C-0001, dated July 1, 1973, whereby the Contracting Officer, Aerospace Medical Division (AFSC), Attn: PMR, P. O. Box 35448, Brooks Air Force Base, Texas 78235 awards \$99,329.00 for research entitled Assessment of Functional Vision for 12 months after effective date of Contract. The majority of the expenditures from this award will be made in El Paso County.
13. Letter Grant No. GY-11007, dated June 22, 1973, whereby the Grants Officer, National Science Foundation, Washington, D. C. 20550 awards \$3,900.00 for the purchase of Instructional Scientific Equipment to Dr. Judith Goggin. This grant expires on June 30, 1975. The majority of the expenditures from this award will be made in El Paso County.

THE UNIVERSITY OF TEXAS AT EL PASO
Amendments to the 1972-73 Operating Budget
 September 14, 1973

EDUCATIONAL AND GENERAL
GENERAL ADMINISTRATION AND STUDENT SERVICES

Registrar's Office

1. Transfer of Funds:

From: Wages	\$800.00
To: Maintenance and Operation	800.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 411)	

Personnel Office

2. Transfer of Funds:

From: Wages	\$ 500.00
Travel	500.00
To: Computer Rental and Purchased Services	1,000.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 412)	

Executive Office of Contracts and Grants

3. Accept the resignation of James B. Bacon, Director and Assistant Professor of Mechanical Engineering, effective at noon June 29, 1973, and lapse to Unallocated Salaries - Other \$2,032.99 budgeted for this position. (RBC 364)

RESIDENT INSTRUCTION

COLLEGE OF BUSINESS ADMINISTRATION

Economics and Finance

4. Transfer of Funds:

From: Wages	\$700.00
To: Maintenance and Operation	700.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 406)	

Office of the Dean - College of Business Administration

5. Appoint Charles E. Stenicka as Dean, Ad Interim effective June 1 through August 31, 1973, and adjust his nine-months rate from \$16,700.00 to \$18,000.00 with the necessary funds in the amount of \$6,000.00 to come from Unallocated Salaries - Other. Dr. Stenicka serves as Associate Professor in the Department of Business during the Long Session. (RBC 344)

COLLEGE OF EDUCATION

Curriculum and Instruction

6. Reappoint Carlos A. Garcia as Lecturer (1/4 Time) effective May 1, 1973 for the remainder of the 1973 Spring Semester, at his full-time nine-months rate of \$12,600.00 with the necessary funds in the amount of \$350.00 to come from Unallocated Salaries - Faculty. He will also serve as Associate Director (3/4 Time) in HEW Grant OEG-0-71-0547-(715) Teacher Corps - 2nd Year. (RBC 371)

Educational Administration

7. Transfer of Funds:

From: Travel	\$385.00
To: Maintenance and Operation	385.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 369)	

Office of the Dean - College of Education

8. Transfer of Funds:

From: Maintenance and Operation	\$150.00
To: Wages	150.00
For: Transfer between dissimilar appropriations to allow the department to service its needs more effectively. (RBC 341)	

RESIDENT INSTRUCTION (CONTINUED)
COLLEGE OF EDUCATION (CONTINUED)
Office of the Dean - College of Education (Continued)

9. Transfer of Funds:
 From: Maintenance and Operation \$75.00
 To: Wages 75.00
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 350)

COLLEGE OF ENGINEERING
Office of the Dean - College of Engineering

10. Transfer of Funds:
 From: Maintenance and Operation \$63.54
 To: Wages 63.54
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 352)

COLLEGE OF LIBERAL ARTS
Linguistics

11. Transfer of Funds:
 From: Maintenance and Operation \$50.00
 To: Wages 50.00
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 351)

Mass Communication - Radio/Television

12. Accept the resignation of Louis H. Valles, Operations Manager, Radio Station KTEP (1/8 Time), effective May 31, 1973, and lapse to Unallocated Salaries - Other \$225.00 budgeted for this position. (RBC 366)

13. Transfer of Funds:
 From: Wages \$1,800.00
 To: Maintenance and Operation 1,800.00
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 403)

Modern Languages

14. Transfer of Funds:
 From: Travel \$364.31
 To: Wages 59.00
 Maintenance and Operation 305.31
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 405)

Philosophy

15. Transfer of Funds:
 From: Wages \$645.30
 To: Maintenance and Operation 645.30
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 390)

Political Science

16. Transfer of Funds:
 From: Travel \$317.33
 To: Maintenance and Operation 317.33
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 370)

COLLEGE OF SCIENCE
Geological Sciences

17. Transfer of Funds:
 From: Maintenance and Operation \$100.00
 To: Wages 100.00
 For: Transfer between dissimilar appropriations
 to allow the department to service its needs
 more effectively. (RBC 413)

RESIDENT INSTRUCTION (CONTINUED)1973 SUMMER SESSION

18. The following 1973 Summer Session changes were tabulated on RBC 372.

Type of Change	Department & Name	Rank	Summer Term	Nine-Months Rate	1973 Summer Session Budget			Unallocated Salaries	
					Addition	Deduction		Addition	Deduction
					Amount	Amount	Unfilled Position		
<u>Business</u>									
Resignation	George Joyce	T Professor	2nd	\$ 19,500	\$	\$ 3,250		\$ 3,250	\$
Resignation	Charles E. Stenicka	T Assoc. Prof.	1st	16,700		2,783		2,783	
	Gertrude W. Dawson	Instructor	2nd	10,000	250				250
	(Correct Nine-Month Rate from \$8,500 to \$10,000)								
<u>Economics and Finance</u>									
Resignation	Weldon C. Neill (1/2 Time)	T Asst. Prof.	1st	12,400		1,033		1,033	
Appointment	Robert D. Tollen (1/2 Time)	Asst. Prof.	1st	12,000	1,000				1,000
<u>Curriculum and Instruction</u>									
	Seth J. Edwards	Assoc. Prof.	2nd	12,900					
	(Change status from Full-time, 1st Term to Full-time, 2nd Term)								
	Velma L. Davis	T Asst. Prof.	1st & 2nd	9,200	300				300
	(Correct Nine-Months Rate from \$8,300 to \$9,200)								
	Hannah B. Selig	T Asst. Prof.	1st & 2nd	9,500	225				225
	(Correct Nine-Months Rate from \$8,600 to \$9,500; Full-time 1st Term, 1/2 Time 2nd Term)								
Appointment	Mary L. Arnold (1/2 Time)	(Visiting)							
		Lecturer	1st	9,000	750	2,250	Lecturer(Visiting)	1,500	
Appointment	Dorothy E. Haynes (1/2 Time)	(Visiting)							
		Lecturer	2nd	9,000	750				750
Appointment	Miriam C. Patton (1/2 Time)	(Visiting)							
		Lecturer	1st	9,000	750				750
Appointment	Don Richardson	Lecturer	1st	13,200	2,200	2,433	Professor(Visiting)	233	
Appointment	Irma G. Camacho (1/2 Time)	Teach. Asst.	1st & 2nd	5,000	834	834	Teach.Asst. (1/2 Time)		
<u>Educational Psychology and Guidance</u>									
	James F. Day	T Professor & Chairman	1st & 2nd	15,300					
	(Change status from Acting Chairman to Chairman effective June 1, 1973)								
<u>Educational Administration</u>									
Appointment	Ronald J. Barber (1/2 Time)	(Visiting)							
		Asst. Prof.	1st	12,000	1,000	2,200	Assoc. Prof.	1,200	
Appointment	Yvonne Hooks	Asst. Prof.	2nd	13,200	2,200	5,000	Assoc. Prof.	2,800	

Type of Change	Department & Name	Rank	Summer Term	Nine-Months Rate	1973 Summer Session Budget			Unallocated Salaries	
					Addition	Deduction		Addition	Deduction
					Amount	Amount	Unfilled Position		
<u>Civil Engineering</u>									
	Paul C. Hassler (3/4 Time)	T Professor	1st	\$ 13,400	\$ 558			\$	\$ 558
	(Change status from 1/2 Time to 3/4 Time)								
	Hong S. Oey (3/8 Time)	T Assoc. Prof.	1st & 2nd	15,200		634		634	
	(Change status from 1/2 Time to 3/8 Time)								
Appointment	Anthony J. Tarquin (1/2 Time)	Asst. Prof.	2nd	13,800	1,150				1,150
<u>Electrical Engineering</u>									
Resignation	Carlos McDonald	T Asst. Prof.	1st	12,500		2,083		2,083	
Resignation	John D. Mitchell (3/4 Time)	Asst. Prof.	1st & 2nd	13,300		3,326		3,326	
Resignation	Frederick J. Taylor (3/4 Time)	Asst. Prof.	1st	14,800		1,850		1,850	
	Michael E. Austin	T Professor	1st & 2nd	17,800	2,225				2,225
	(Change status from Full-time, 2nd Term to Full-time, 1st Term and 3/4 Time, 2nd Term)								
	Glenn A. Gibson (3/4 Time)	T Assoc. Prof.	1st & 2nd	16,000	2,000				2,000
	(Change status from 3/4 Time, 1st Term to Full-time, 1st Term and 1/2 Time, 2nd Term)								
	Joseph H. Pierluissi								
	(3/4 Time)	T Assoc. Prof.	2nd	14,900					
	(Change status from 3/4 Time, 1st Term to 3/4 Time, 2nd Term)								
Appointment	Balram K. Jaisingh (3/8 Time)	Instructor	1st	8,000	500				500
Appointment	Esteban Plager (3/8 Time)	Instructor	1st & 2nd	8,000	1,000				1,000
Appointment	Carl L. Wright (3/8 Time)	Instructor	1st & 2nd	8,000	1,000				1,000
Appointment	Leo W. Beckham (3/8 Time)	Teach. Asst.	1st & 2nd	6,000	750	800	Teach Asst. (Part-time)	50	
Appointment	Fred J. Bostick (1/2 Time)	Teach. Asst.	1st	6,000	500				500
<u>Mechanical Engineering</u>									
Resignation	John A. Whitacre	T Professor	2nd	15,300		2,550		2,550	
Resignation	Leland T. Blank (1/2 Time)	Asst. Prof.	1st	13,000		1,083		1,083	
	Sachindranarayan Bhaduri								
	(Part-time)	T Assoc. Prof.	2nd	14,000	291				291
	(Change status from 3/4 Time to Part-time)								
Appointment	Howard G. Applegate								
	(Part-time)	T Professor	1st & 2nd	18,000	1,750				1,750
Appointment	Parvis Moayyad (1/4 Time)	Teach. Asst.	1st & 2nd	6,000	500				500
Appointment	Pho D. Phan (1/4 Time)	Teach. Asst.	1st	6,000	250	750	Teach. Asst. (Part-time)	500	

Type of Change	Department & Name	Rank	Summer Term	Nine-Months Rate	1973 Summer Session Budget			Unallocated Salaries	
					Addition Amount	Deduction Amount	Unfilled Position	Addition	Deduction
<u>Metallurgical Engineering</u>									
Appointment	Robert A. Malone (1/2 Time)	Teach. Asst.	1st	\$ 4,500	\$ 375	\$ 400	Teach. Asst.	\$ 25	\$
<u>Art</u>									
	Ellen W. Coogler	T Asst. Prof.	1st	12,000	333				333
	(Correct Nine-Months Rate from \$10,000 to \$12,000)								
<u>Drama and Speech</u>									
Appointment	Carol W. Fojtasek (1/2 Time)	Teach. Asst.	2nd	4,800	400	900	Teach. Asst. (Part-time)	500	
Appointment	Joyce L. Harris (1/2 Time)	Teach. Asst.	1st	4,800	400				400
<u>English</u>									
	Holly L. Cabarrus	Instructor	1st	8,000	83				83
	(Correct Nine-Months Rate from \$7,500 to \$8,000)								
Resignation	Holly L. Cabarrus	Instructor	1st	8,000		1,333		1,333	
Resignation	Donald F. Castro	Instructor	1st	9,000		1,500		1,500	
	Jon M. White	T Assoc. Prof.	1st	11,400					
	(Change status from Full-time, 2nd Term to Full-time, 1st Term)								
Appointment	Roger V. Kluchki	Instructor	1st	8,000	1,333				1,333
Appointment	Hector M. Serrano	Instructor	1st	8,000	1,333				1,333
<u>History</u>									
Appointment	Wilbert H. Timmons	T Professor	1st	17,600					
	(Appoint as Acting Department Chairman for 1973 First Summer Term only)								
Appointment	Kathleen P. Connell(1/2 Time)	Teach. Asst.	1st & 2nd	5,600*	900	2,700	Teach. Asst.	1,800	
	*(budgeted below 9 months rate due to limitation of funds)								
Appointment	Collins Conrad (1/2 Time)	Teach. Asst.	1st & 2nd	5,600*	900				900
	*(budgeted below 9 months rate due to limitation of funds)								
Appointment	Werner Trost (1/2 Time)	Teach. Asst.	1st & 2nd	5,600*	900				900
	*(budgeted below 9 months rate due to limitation of funds)								
<u>Mass Communication - Journalism</u>									
Appointment	Luis Perez	Instructor	1st & 2nd	10,400					
	(Appoint as Acting Department Chairman for 1973 Summer Session only)								

Type of Change	Department & Name	Rank	Summer Term	Nine-Months Rate	1973 Summer Session Budget			Unallocated Salaries		
					Addition	Deduction		Addition	Deduction	
					Amount	Amount	Unfilled Position			
<u>Modern Languages</u>										
Resignation	Fermin Rodriguez	T	Asst. Prof.	1st	\$ 11,000	\$				
Appointment	Roderick J. MacIntosh		Instructor	1st	8,000	1,333	\$ 1,833		1,833	1,333
<u>Music</u>										
Appointment	Hugh F. Cardon (Part-time)	T	Assoc. Prof.	1st	12,200	200	700	Instructors, Part-time	500	
Appointment	Rudolf O. Inselman (Part-time)	T	Asst. Prof.	1st	10,200	100				100
Appointment	Gregory J. Siewert (Part-time)		Instructor	1st	--	100				100
Appointment	C. K. Stribling (Part-time)		Instructor	1st	8,400	250				250
<u>Psychology</u>										
Appointment	Philip Himmelstein (Appoint as Acting Department Chairman for 1973 First Summer Term only)	T	Professor	1st	18,300					
Appointment	James V. Devine (Appoint as Acting Department Chairman for 1973 Second Summer Term only)	T	Assoc. Prof.	2nd	14,000					
<u>Sociology</u>										
Appointment	Irving R. Brown (Appoint as Acting Department Chairman for 1973 First Summer Term only)		Instructor	1st	11,000					
Appointment	James E. Hamby, Jr.		Instructor	2nd	9,800	1,633				1,633
<u>Biological Sciences</u>										
Resignation	Keith A. Redetzke		Asst. Prof.	1st	12,700		2,117		2,117	
	Elizabeth C. Manning (Change status from 1/2 Time to Full-time and add "Tenure", inadvertently left off original budget)	T	Asst. Prof.	2nd	10,800	900				900
Appointment	Richard D. Worthington	T	Asst. Prof.	1st	12,000	2,000				2,000
<u>Physics</u>										
Resignation	Rufus E. Bruce (1/2 Time)	T	Assoc. Prof.	1st	15,200		1,267		1,267	
	Eugene A. Dean (3/4 Time) (Change status from 1/2 Time to 3/4 Time)	T	Assoc. Prof.	1st	14,500	604				604
Appointment	John P. Carrejo (3/10 Time)		Teach. Asst.	1st & 2nd	5,000	500	1,350	Teach. Asst. (Part-time)	850	

0347

Type of Change	Department & Name	Rank	Summer Term	Nine-Months Rate	1973 Summer Session Budget		Unfilled Position	Unallocated Salaries	
					Addition Amount	Deduction Amount		Addition	Deduction
<u>Physics - Cont.</u>									
Appointment	Carlos Manquero (3/10 Time)	Teach. Asst.	1st & 2nd	\$ 5,000	\$ 500	\$		\$	500
Appointment	George Moore (3/10 Time)	Teach. Asst.	1st & 2nd	5,000	500				500
Appointment	Stanley F. Stanulonis (3/10 Time)	Teach. Asst.	1st & 2nd	5,000	500				500
					<u>\$ 38,810</u>	<u>\$ 46,959</u>		<u>\$ 36,600</u>	<u>\$ 28,451</u>

LIBRARY

19. Accept the resignation of Baxter Polk, Director of Special Collections, effective July 31, 1973, and lapse to Unallocated Salaries - Other \$1,575.00 budgeted for this position. Mr. Polk has retired. (RBC 365)

ORGANIZED RESEARCHUniversity Research Institute

20. Appoint John A. Fillo as Research Associate effective June 1 through July 15, 1973, at his nine-months rate of \$16,000.00 as Associate Professor of Mechanical Engineering with the necessary funds in the amount of \$2,667.00 to come from budgeted funds for the College of Engineering - Dr. John A. Fillo. (RBC 353)

21. Appoint Darrell C. Schroder as Assistant Professor effective July 16 through August 31, 1973, at his nine-months rate of \$13,300.00 as Assistant Professor of Electrical Engineering with the necessary funds in the amount of \$2,217.00 to come from budgeted funds for the College of Engineering - Dr. Darrell C. Schroder. (RBC 409)

22. Appoint Ellery S. Schalk as Assistant Professor (1/2 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$10,800.00 as Assistant Professor of History with the necessary funds in the amount of \$1,800.00 to come from budgeted funds for the College of Liberal Arts - Dr. Ellery Schalk. (RBC 362)

23. Appoint Eugene F. Schuster as Research Associate effective June 1 through July 15, 1973, at his nine-months rate of \$15,400.00 as Assistant Professor of Mathematics with the necessary funds in the amount of \$2,566.00 to come from budgeted funds for the College of Science - Dr. E. F. Schuster. (RBC 348)

24. Appoint Andreas N. Phillipou as Project Director effective June 1 through July 15, 1973 at his nine-months rate of \$12,500.00 as Assistant Professor of Mathematics with the necessary funds in the amount of \$2,083.00 to come from budgeted funds for the College of Science - Dr. A. N. Phillipou. (RBC 380)

25. Appoint Neal R. Wagner as Director (3/4 Time) effective July 1 through August 31, 1973, at his full-time nine-months rate of \$13,000.00 as Assistant Professor of Mathematics with the necessary funds in the amount of \$2,166.00 to come from budgeted funds for the College of Science - Dr. Neal Wagner. (RBC 400)

OPERATION AND MAINTENANCE OF PHYSICAL PLANTBuilding Maintenance

26. Transfer of Funds:

From: General Services--Wages	\$1,455.82
Grounds Maintenance--Wages	2,500.00
Building Maintenance--Salaries	2,000.00
Custodial Services--Maintenance and Operation	1,000.00
Grounds Maintenance--Maintenance and Operation	2,500.00
To: Wages	3,955.82
Maintenance and Operation	5,500.00

For: Transfer between departments and dissimilar appropriations to allow the Physical Plant to service its needs more effectively.

(RBC 374)

CONTRACT RESEARCH AND SERVICESSchellenger Research Laboratory

27. Appoint Joseph H. Pierluissi as Research Engineer effective June 1 through July 15, 1973, at his nine-months rate of \$14,900.00 as Associate Professor of Electrical Engineering with the necessary funds in the amount of \$2,483.00 to come from budgeted salaries from one or more Government contracts and/or grants. (RBC 387)

28. Reappoint Joseph H. Pierluissi as Research Engineer (1/4 Time) effective July 16 through August 31, 1973, at his full-time nine-months rate of \$14,900.00 as Associate Professor of Electrical Engineering with the necessary funds in the amount of \$620.00 to come from budgeted salaries from one or more Government contracts and/or grants. He will also serve as Associate Professor (3/4 Time) in the Department of Electrical Engineering for the Second Term of the 1973 Summer Session. (RBC 388)

CONTRACT RESEARCH AND SERVICES (CONTINUED)HEW Grant OEG-0-71-2634-(453) - Upward Bound Program - 8th Year

29. Increase the annual rate of Arturo Lazzarin, Associate Director, effective June 1 through August 31, 1973 from \$11,300.00 to \$12,000.00 with the necessary funds in the amount of \$175.02 to come from budgeted salaries for this grant. (RBC 375)

30. Reappoint Arturo Alvarez as Head Counselor effective June 1 through August 31, 1973, and increase his annual rate from \$6,000.00 to \$6,300.00 with the necessary funds in the amount of \$1,575.00 to come from budgeted salaries for this grant. (RBC 376)

31. Reappoint Dean C. DeuPree as Teacher effective June 1 through July 13, 1973, at his annual rate of \$7,200.00 with the necessary funds in the amount of \$851.61 to come from budgeted salaries for this grant. (RBC 394)

HEW Grant OEG-0-73-1-1267-(715) - Teacher Corps Program (8th CYC) 1st Year

32. Reappoint Carlos A. Garcia as Assistant Director effective June 1 through August 31, 1973, at his nine-months rate of \$12,600.00 as Lecturer of Curriculum and Instruction with the necessary funds in the amount of \$4,200.00 to come from budgeted salaries for this grant. (RBC 395)

33. Reappoint Edgar W. Lichtenberger as Director effective June 1 through August 31, 1973, at his nine-months rate of \$13,200.00 as Associate Professor of Curriculum and Instruction with the necessary funds in the amount of \$4,400.00 to come from budgeted salaries for this grant. (RBC 396)

Air Force Contract F41609-72-C-0020 - Effects of Visual Acuity

34. Reappoint James V. Devine as Director effective June 1 through 30, 1973, at his nine-months rate of \$14,000.00 as Associate Professor of Psychology with the necessary funds in the amount of \$1,555.55 to come from budgeted salaries for this contract. (RBC 361)

Spencer Foundation Grant - Cross Cultural Study

35. Appoint Z. Anthony Kruszewski as Co-Director effective June 1 through July 15, 1973, at his nine-months rate of \$14,500.00 as Professor of Political Science with the necessary funds in the amount of \$2,417.00 to come from budgeted salaries for this grant. (RBC 345)

36. Appoint Jacob Ornstein as Co-Director effective June 1 through August 31, 1973, at his nine-months rate of \$16,500.00 as Professor of Linguistics and Modern Languages with the necessary funds in the amount of \$5,500.00 to come from budgeted salaries for this grant. (RBC 346)

NSF Grant GB-36210 - Encoding Mechanisms and Memory Losses

37. Appoint Judith P. Goggin as Research Director effective July 16 through August 31, 1973, at her nine-months rate of \$15,100.00 as Associate Professor of Psychology with the necessary funds in the amount of \$2,517.00 to come from budgeted salaries for this grant. (RBC 347)

TEA Grant CD 071-501 - Teacher Center Project

38. Appoint Ronald V. Kidd as Assistant Professor (1/2 Time) effective June 1 through July 15, 1973, at his full-time nine-months rate of \$11,000.00 as Assistant Professor of Educational Psychology and Guidance with the necessary funds in the amount of \$917.00 to come from budgeted salaries for this grant. He will also serve as Assistant Professor (1/2 Time) in the Department of Educational Psychology and Guidance for the First Term of the 1973 Summer Session. (RBC 355)

39. Reappoint Roberto Reyes as Teacher effective June 1 through August 31, 1973, at his annual rate of \$6,667.00 with the necessary funds in the amount of \$1,667.00 to come from budgeted salaries for this grant. (RBC 356)

40. Reappoint Joe L. Klingstedt as Assistant Professor effective June 1 through August 31, 1973, at his nine-months rate of \$12,000.00 as Assistant Professor of Curriculum and Instruction with the necessary funds in the amount of \$4,000.00 to come from budgeted salaries for this grant. (RBC 357)

41. Reappoint Arthur J. Flores as Lecturer effective July 16 through August 31, 1973, at his nine-months rate of \$10,000.00 as Lecturer in Curriculum and Instruction with the necessary funds in the amount of \$1,667.00 to come from budgeted salaries for this grant. (RBC 358)

CONTRACT RESEARCH AND SERVICES (CONTINUED)Taft Institute - Summer 1973

42. Appoint Philip H. Bethune as Director (1/2 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$9,700.00 as Instructor of Political Science with the necessary funds in the amount of \$1,617.00 to come from budgeted salaries for this grant. (RBC 359)

West Texas Council of Governments 71-DF-933 - Criminal Justice Degree

43. Reappoint Ernest A. Guinn as Assistant Professor (Visiting) effective July 1 through 15, 1973 for the remainder of the First Term of the 1973 Summer Session, at his annual rate of \$18,533.00 with the necessary funds in the amount of \$772.60 to come from budgeted salaries for this contract. (RBC 363)

Environmental Protection Agency Grant 801028 - Treatment of Organic Wastewater

44. Appoint Sachindranarayan Bhaduri as Research Engineer effective June 1 through July 15, 1973, at his nine-months rate of \$14,000.00 as Associate Professor of Mechanical Engineering with the necessary funds in the amount of \$2,333.00 to come from budgeted salaries for this grant. (RBC 381)

45. Reappoint Sachindranarayan Bhaduri as Research Engineer (1/8 Time) effective July 16 through August 31, 1973, at his full-time nine-months rate of \$14,000.00 as Associate Professor of Mechanical Engineering with the necessary funds in the amount of \$292.00 to come from budgeted salaries for this grant. He will also serve as Associate Professor (7/8 Time) in the Department of Mechanical Engineering for the Second Term of the 1973 Summer Session. (RBC 382)

46. Appoint Frank E. Rizzo as Research Engineer (1/20 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$16,600.00 as Professor of Metallurgical Engineering with the necessary funds in the amount of \$277.00 to come from budgeted salaries for this grant. He will also serve as Professor (3/4 Time) in the Department of Metallurgical Engineering for the First Term of the 1973 Summer Session and Professor (1/20 Time) in the Department of Mechanical Engineering for both terms of the 1973 Summer Session. (RBC 383)

47. Appoint Howard G. Applegate as Research Engineer (1/3 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$18,000.00 as Professor of Civil Engineering with the necessary funds in the amount of \$2,000.00 to come from budgeted salaries for this grant. He will also serve as Professor (Part-time) in the Department of Civil Engineering and Professor (Part-time) in the Department of Mechanical Engineering for the 1973 Summer Session. (RBC 384)

48. Appoint Anthony J. Tarquin as Research Engineer effective June 1 through July 15, 1973, at his nine-months rate of \$13,800.00 as Assistant Professor of Civil Engineering with the necessary funds in the amount of \$2,300.00 to come from budgeted salaries for this grant. (RBC 385)

49. Reappoint Anthony J. Tarquin as Research Engineer (1/2 Time) effective July 16 through August 31, 1973, at his full-time nine-months rate of \$13,800.00 as Assistant Professor of Civil Engineering with the necessary funds in the amount of \$1,150.00 to come from budgeted salaries for this grant. He will also serve as Assistant Professor (1/2 Time) in the Department of Mechanical Engineering for the Second Term of the 1973 Summer Session. (RBC 386)

NSF Grant GW-8003 - Cooperative College-School Science Program

50. Appoint Rosemary D. Lyons as Teacher effective June 1 through July 15, 1973, at an annual rate of \$9,733.00 with the necessary funds in the amount of \$1,203.58 to come from budgeted salaries for this grant. (RBC 389)

Public Health Service Grant 5 S06 RR 08012-02 - Biomedical Research Internship Program

51. Change the status of Larry P. Jones from Research Associate (1/2 Time) for the period June 1 through August 31, 1973 to Research Associate (Full-time) effective June 1 through July 15, 1973, at his nine-months rate of \$11,000.00 as Lecturer of Biological Science with no additional funds. (RBC 398)

52. Change the status of Gordon W. Robertstad from Director (Part-time) to Director (1/2 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$17,000.00 as Professor of Biological Sciences with the necessary additional funds in the amount of \$1,000.00 to come from budgeted salaries for this grant. He will also serve as Professor (1/2 Time) in the Department of Biological Sciences for the 1973 Summer Session. (RBC 399)

CONTRACT RESEARCH AND SERVICES (CONTINUED)NCAA 33-3 - National Summer Youth Sports Program

53. Appoint Theodore H. Barks as Boys' Head Coach (Part-time) effective June 4 through July 6, 1973, at his full-time annual rate of \$13,000.00 as Head Track Coach in Intercollegiate Athletics with the necessary funds in the amount of \$698.95 to come from budgeted salaries for this grant. He will also serve as Head Track Coach (Part-time) in Intercollegiate Athletics. (RBC 393)

Phelps Dodge Grant W O Q309A - Transition Metal Complexes

54. Appoint Keith H. Pannell as Director effective June 1 through 30, 1973, at a nine-months rate of \$12,600.00 with the necessary funds in the amount of \$1,400.00 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$14,500.00 as Associate Professor of Chemistry due to the limitations of the grant. (RBC 408)

RESTRICTED CURRENT FUNDSJOSEPHINE CLARDY FOX FUNDInter-American Institute

55. Appoint Robert L. Peterson as Director effective June 1 through August 31, 1973, at his nine-months rate of \$13,500.00 as Associate Professor of Political Science with the necessary funds in the amount of \$4,500.00 to come from the dissimilar appropriation for F.I.C.A., W.C.I. and T.U.C. (RBC 360)

Institute of Oral History

56. Reappoint John H. McNeely as Director (1/2 Time) effective June 1 through August 31, 1973, at his full-time nine-months rate of \$13,800.00 as Professor of History with the necessary funds in the amount of \$2,300.00 to come from budgeted salaries for this department. He will also serve as Professor (1/2 Time) in the Department of History for the 1973 Summer Session. (RBC 410)

OTHER RESTRICTED CURRENT FUNDSCorporation for Public Broadcasting - Mass Communication

57. Reappoint Louis H. Valles as Operations Manager, Radio Station KTEP (7/8 Time) effective May 1 through August 31, 1973, at his full-time annual rate of \$7,200.00 with the necessary funds in the amount of \$2,100.00 to come from budgeted salaries for this grant. He also serves as Operations Manager, Radio Station KTEP (1/8 Time) in the Department of Mass Communication - Radio/Television. (RBC 342)

58. Reappoint Jaime Fraire as Chief Announcer and Assistant to the Manager effective May 1 through August 31, 1973, at his annual rate of \$3,420.00 with the necessary funds in the amount of \$1,140.00 to come from budgeted salaries for this grant. (RBC 343)

59. Change the status of Louis H. Valles from Operations Manager, Radio Station KTEP (7/8 Time) to Operations Manager, Radio Station KTEP (Full-time) effective June 1, 1973, and increase his full-time annual rate from \$7,200.00 to \$9,000.00 with the necessary funds in the amount of \$675.00 to come from budgeted salaries for this grant. (RBC 367)

60. Increase the annual rate of Jaime Fraire, Chief Announcer and Assistant to the Manager, effective June 1, 1973 from \$3,420.00 to \$5,300.00 with the necessary funds in the amount of \$469.98 to come from budgeted salaries for this grant. (RBC 368)

Robert A. Welch Foundation Grant AH-436 - Chemistry Department

61. Appoint Marion L. Ellzey as Research Director effective June 1 through July 31, 1973, at a nine-months rate of \$10,628.00 with the necessary funds in the amount of \$2,361.84 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$13,500.00 as Assistant Professor of Chemistry due to the limitations of the grant. (RBC 377)

Robert A. Welch Foundation Grant AH-546 - Chemistry Department

62. Appoint Keith H. Pannell as Research Director effective July 1 through August 31, 1973, at a nine-months rate of \$10,628.00 with the necessary funds in the amount of \$2,361.84 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$14,500.00 as Associate Professor of Chemistry due to the limitations of the grant. (RBC 378)

Robert A. Welch Foundation Grant AH-461 - Chemistry Department

63. Appoint Cyril Parkanyi as Research Director effective July 16 through August 31, 1973, at a nine-months rate of \$11,250.00 with the necessary funds in the amount of \$1,895.16 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$17,000.00 as Professor of Chemistry due to the limitations of the grant. (RBC 379)

OTHER RESTRICTED CURRENT FUNDS (CONTINUED)Robert A. Welch Foundation Grant AH-284 - Chemistry Department

64. Appoint Michael I. Davis as Research Director effective June 1 through July 31, 1973, at a nine-months rate of \$10,893.00 with the necessary funds in the amount of \$2,420.70 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$17,000.00 as Professor of Chemistry due to the limitations of the grant. (RBC 391)

Robert A. Welch Foundation Grant AH-463 - Chemistry Department

65. Appoint Keith B. Prater as Research Director effective June 1 through July 31, 1973, at a nine-months rate of \$10,628.00 with the necessary funds in the amount of \$2,361.82 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$14,000.00 as Associate Professor of Chemistry due to the limitations of the grant. (RBC 397)

Robert A. Welch Foundation Grant AH-498 - Chemistry Department

66. Appoint Michael P. Eastman as Research Associate effective June 1 through July 31, 1973, at a nine-months rate of \$10,628.00 with the necessary funds in the amount of \$2,361.82 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$12,500.00 as Assistant Professor of Chemistry due to the limitations of the grant. (RBC 404)

Petroleum Research Fund Grant 2315-G2 - Dr. M. Eastman

67. Appoint Michael P. Eastman as Director (1/2 Time) effective August 1 through 31, 1973, at a full-time nine-months rate of \$3,600.00 with the necessary funds in the amount of \$200.00 to come from budgeted salaries for this grant. This rate is less than his nine-months rate of \$12,500.00 as Assistant Professor of Chemistry due to the limitations of the grant. (RBC 407)

AUXILIARY ENTERPRISESIntercollegiate Athletics

68. Change the status of Theodore H. Banks from Head Track Coach (Full-time) to Head Track Coach (Part-time) effective June 4 through July 6, 1973, at his full-time annual rate of \$13,000.00 and lapse to unencumbered salaries \$698.95 budgeted for this position. He will also serve as Boys' Head Coach (Part-time) in NCAA 33-3 - National Summer Youth Sports Program. His appointment as Head Track Coach remains unchanged for the remainder of the fiscal year. (RBC 392)

Cultural Entertainment

69. Accept the resignation of Richard F. Munoz, Graduate Assistant (1/2 Time), effective at noon May 27, 1973 and lapse to unencumbered salaries \$918.37 budgeted for this position. (RBC 402)

Student Association

70. Appoint John A. Klumb as Counselor Intern (1/2 Time) effective June 1 through August 31, 1973, at a full-time annual rate of \$6,588.00 with the necessary funds in the amount of \$823.50 to come from budgeted funds for this department. This rate is less than his full-time nine-months rate of \$5,000.00 as Counselor Intern in Student Counseling Service due to the limitation of funds. (RBC 373)

SERVICE DEPARTMENTSComputation Center

71. Change the status of Dick S. Calkins from Research Consultant (1/2 Time) to Research Consultant (Full-time) and the period of appointment from June 1 through August 31, 1973 to June 1 through July 15, 1973, at his nine-months rate of \$11,500.00 as Assistant Professor of Educational Psychology and Guidance with no additional funds. (RBC 354)

72. Reappoint Dick S. Calkins as Research Consultant effective July 16 through August 15, 1973, at his nine-months rate of \$11,500.00 as Assistant Professor of Educational Psychology and Guidance with the necessary funds in the amount of \$1,277.77 to come from budgeted salaries for this department. (RBC 401)

THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN

Odessa, Texas

August 8, 1973

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
Austin, Texas 79712

Dear Dr. LeMaistre:

The following docket consisting of pages PB-1 through PB-6 is submitted for your approval and presentation to the Board of Regents at their September 14, 1973 meeting.

Sincerely,



B. H. Amstead
President

7

THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN
September 14, 1973 Meeting

USE OF TEXTBOOKS WRITTEN BY FACULTY. In accordance with Chapter III, Section 24 of Part One of the Regents' Rules and Regulations for the Government of The University of Texas, I recommend approval of the use of the following faculty authored books as textbooks for the 1973-74 fiscal year.

<u>Title</u>	<u>Author(s)</u>	<u>Cost to Student</u>	<u>Royalty Per Volume Per Author</u>
* <u>Organizational Management: Concepts & Practice</u>	H. R. Jones & S. R. Michael	Approx. \$12.50	\$.90
* <u>Calculus of a Single Variable</u>	D. F. Hale & M. S. Keener	Approx. \$ 4.80	None
* <u>Multivariate Calculus</u>	D. F. Hale	Approx. \$ 2.40	None
* <u>Anybody can Write- Programmed Instruction in the Writing of an Informal Essay</u>	Robert N. Rothstein	\$ 2.95	\$.10

*Indicates these books have not been used previously at the University.

THE UNIVERSITY OF TEXAS OF THE PERMIAN BASIN
September 14, 1973 Meeting

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

GENERAL ADMINISTRATION:

Office of the Executive Director of Student Services

1. Appoint Mr. Kent Bulkley as Director of Student Life, Office of the Executive Director of Student Life for the period of 7/1/73 - 8/31/73 at a salary rate of \$14,000 for 12 months. Source of funds: Transfer \$2333.34 from Office of the Executive Director of Student Services, Classified Salaries Account. (RBC #85)

Accounting Division

2. Transfer of Funds:
 From: Accounting Division,
 Classified Salaries \$ 3,500
 To: Accounting Division,
 Wages \$ 3,500
 For: Additional funds needed
 for wages.
 (RBC #80)

GENERAL INSTITUTIONAL EXPENSE:

News and Information Service

3. Appoint Mrs. Dorothy Hubbard Powell as Director of News and Information, at an annual salary rate of \$12,500.00 for the period of 6/18/73 - 8/31/73. Source of funds: \$2400 from Emergency Employment Act Grant, Account number 730-6920-0300 and \$134.70 from News and Information Service, Administrative Salaries, Account number 714-6110-0009.
 (RBC #87)

4. Terminate Miss Debra Ratliff as Director of News and Information, News and Information Service at the close of June 18, 1973 at an annual salary rate \$12,000 (RBC #88)

General Institutional Expense

5. Transfer of Funds:
 From: Office of the Dean,
 College of Management, Wages \$ 1,686
 To: General Institutional
 Expense, Consultants
 Including Travel Expense \$ 1,686
 For: Additional funds needed
 for consultants.
 (RBC #52)

RESIDENT INSTRUCTION:

Office of the Dean, College of Management

6. Transfer of Funds:
 From: General Resident
 Instruction Expense,
 Unallocated Faculty
 Salaries \$20,080.40
 To: Office of the Dean,
 College of Management \$20,080.40
 For: Additional funds for
 equipment.
 (RBC #81)

Faculty, College of Management

7. Appoint Dr. John Taylor Sims, Jr. as Associate Professor of Marketing (without tenure) for period 7/1/73 - 8/31/73 at an academic rate of \$18,000. Source of funds: Summer Session Salaries. (RBC #43 Rev.)
8. Appoint Dr. Robert H. McIntire as Professor of Management (without tenure) for the period of 7/1/73 - 8/31/73 at an academic rate of \$18,000 for 9 months. Source of funds: Summer Session Salaries. (RBC # 82)
9. Appoint Dr. Glenn E. Burress as Visiting Professor of Economics (without tenure) for the period of 7/1/73 - 8/31/73 at an academic rate of \$18,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #83)
10. Appoint Mr. Paul E. Hodges as Assistant Professor of Economics (without tenure) for the period of 7/20/73 - 8/31/73 at an academic rate of \$12,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #86)

Faculty, College of Science and Engineering

11. Reappoint Dr. Frederick Curt Haupt as Associate Professor of Chemistry (without tenure), for period of 6/1/73 - 8/31/73 at an academic rate of \$14,500. Source of funds: Summer Session Salaries. (RBC #46)
12. Reappoint Dr. Donald F. Toomey Professor and Chairman, Faculty of Earth Science (without tenure), for period 6/1/73 - 8/31/73 at an academic rate of \$20,000. Source of funds: Summer Session Salaries. (RBC #50)
13. Reappoint Dr. Clyde H. Sprague as Associate Professor of Engineering (without tenure), for period 6/1/73 - 8/31/73 at an academic rate of \$17,500. Source of funds: Summer Session Salaries. (RBC #53)
14. Appoint Dr. George H. Quentin as Associate Professor of Engineering (without tenure), for the period of 6/22/73 - 8/31/73 at an academic rate of \$15,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #64)
15. Appoint Dr. Charlene Wisdom as Assistant Professor of Life Science (without tenure), for the period of 6/19/73 - 8/31/73 at an academic rate of \$12,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #65)
16. Appoint Dr. Horace Bledsoe as Assistant Professor of Physics (without tenure), for the period of 6/19/73 - 8/31/73 at an academic rate of \$12,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #66)
17. Appoint Dr. Douglas F. Hale as Assistant Professor of Mathematics (without tenure), for the period of 6/20/73 - 8/31/73 at an academic rate of \$12,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #67)
18. Appoint Dr. Edwin C. Kettenbrink as Assistant Professor of Earth Science (without tenure), for the period of 6/18/73 - 8/31/73 at an academic rate of \$11,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #68)
19. Appoint Dr. Charles H. Bibart as Assistant Professor of Chemistry (without tenure), for the period of 6/18/73 - 8/31/73 at an academic rate of \$11,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #74)

20. Appoint Dr. Charles O. McKinney as Assistant Professor of Life Science (without tenure), for the period of 6/20/73 - 8/31/73 at an academic rate of \$13,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #75)

21. Reappoint Dr. Edwin B. Kurtz, Professor and Chairman, Faculty of Life Science (without tenure), for period 6/1/73 - 8/31/73 at an academic rate of \$18,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #77)

Faculty, College of Arts and Education

22. Reappoint Dr. John Owen Weddle as Assistant Professor of Literature (without tenure), for period 6/1/73 - 8/31/73 at an academic rate of \$12,000. Source of funds: Summer Session Salaries. (RBC # 47)

23. Reappoint Dr. Burton Robert Carlson as Associate Professor and Chairman, Faculty of Physical Education and Health (without tenure), for period of 6/1/73 - 8/31/73 at an academic rate of \$16,000. Source of funds: Summer Session Salaries. (RBC #48)

24. Reappoint Dr. David W. Sloan as Associate Professor and Chairman, Faculty of Music (without tenure), for period of 6/1/73 - 8/31/73 at an academic rate of \$14,500. Source of funds: Summer Session Salaries. (RBC #49)

25. Reappoint Dr. William A. King as Professor and Chairman, Faculty of Art (without tenure), for period of 6/1/73 - 8/31/73 at an academic rate of \$16,500. Source of funds: Summer Session Salaries. (RBC #51)

26. Appoint Dr. Juris Terauds as Assistant Professor of Health and Physical Education (without tenure), 6/4/73 - 8/31/73, at an academic rate of \$12,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #54)

27. Appoint Dr. Edwin A. Harwood as Professor of Sociology and Chairman, Faculty of Anthropology and Sociology (without tenure), for the period of 6/19/73 - 8/31/73 at an academic rate of \$17,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #57)

28. Appoint Dr. Robert N. Rothstein as Associate Professor of Pedagogical Studies and Mass Communications (without tenure), for the period of 6/21/73 - 8/31/73 at an academic rate of \$13,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #59)

29. Appoint Mr. Wesley Dean Simpson as Associate Professor of Art (without tenure), for the period of 6/21/73 - 8/31/73 at an academic rate of \$14,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #60)

30. Appoint Dr. Roger M. Olien as Associate Professor of History (without tenure), for the period of 6/21/73 - 8/31/73 at an academic rate of \$13,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #61)

31. Appoint Mr. Russell H. Johnson as Assistant Professor of Pedagogical Studies (without tenure), for the period of 6/21/73 - 8/31/73 at an academic rate of \$13,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #62)

32. Appoint Dr. R. Scott Irwin as Associate Professor of Pedagogical Studies (without tenure), for the period of 6/5/73 - 8/31/73 at an academic rate of \$14,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #63)
33. Appoint Mr. James Olson as Instructor of Psychology (without tenure), for the period of 6/17/73 - 8/31/73 at an academic rate of \$10,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #69)
34. Appoint Dr. Thomas L. Dynneson as Assistant Professor of Pedagogical Studies (without tenure), for the period of 6/20/73 - 8/31/73 at an academic rate of \$12,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #70)
35. Appoint Dr. Terryl Joan Anderson as Associate Professor of Pedagogical Studies (without tenure), for the period of 6/21/73 - 8/31/73 at an academic rate of \$13,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #71)
36. Appoint Dr. Robert F. Ihinger as Associate Professor of Pedagogical Studies (without tenure), for the period of 6/22/73 - 8/31/73 at an academic rate of \$15,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #72)
37. Appoint Mr. Grant Peter Ienatsch as Assistant Professor of Pedagogical Studies (without tenure), for the period of 6/20/73 - 8/31/73 at an academic rate of \$12,500 for 9 months. Source of funds: Summer Session Salaries. (RBC #73)
38. Reappoint Dr. Clarence D. Kron as Professor and Chairman, Faculty of Pedagogical Studies (without tenure), for the period of 6/1/73 - 8/31/73 at an academic rate of \$20,000 for 9 months. Source of funds: Summer Session Salaries.
(RBC #79)
39. Appoint Mr. James P. White as Assistant Professor of Creative Writing (without tenure), for the period of 6/26/73 - 8/31/73 at an academic rate of \$11,000 for 9 months. Source of funds: Summer Session Salaries. (RBC #89)

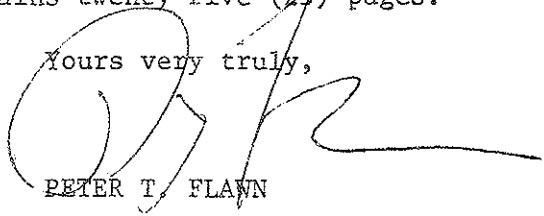
THE UNIVERSITY OF TEXAS AT SAN ANTONIO
Office of the President
August 8, 1973

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Dr. LeMaistre:

The enclosed docket for The University of Texas at San Antonio is submitted for your approval and presentation to the Board of Regents at the next meeting on September 14, 1973. This docket contains twenty-five (25) pages.

Yours very truly,



PETER T. FLAWN

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO

HOLIDAY AND VACATION SCHEDULE FOR CLASSIFIED AND ADMINISTRATIVE EMPLOYEES:

Approval is recommended for the following Holiday and Vacation Schedule for 1973-74:

Holiday Schedule

September 3, 1973	Monday	Labor Day
November 22, 1973	Thursday	Thanksgiving Day
November 23, 1973	Friday	Thanksgiving Holiday
December 24, 1973	Monday	Christmas Holiday
December 25, 1973	Tuesday	Christmas Day
December 26, 1973	Wednesday	Christmas Holiday
December 27, 1973	Thursday	Christmas Holiday
December 28, 1973	Friday	Christmas Holiday
December 31, 1973	Monday	Christmas Holiday
January 1, 1974	Tuesday	New Year's Day
April 11, 1974	Thursday afternoon	Easter Holiday (one-half day)
April 12, 1974	Friday	Good Friday
July 4, 1974	Thursday	Independence Day
August 27, 1974	Tuesday	Lyndon Baines Johnson's Birthday

With the approval of this recommendation the additional one and one-half legal State holidays not observed by The University will be added to the statutory allowance to provide a total of twelve (12) working days annual leave for 1973-74, which has been the practice for a number of years.

The Appropriation Bill also provides that State employees with long term service shall accrue vacation in accordance with the following schedule:

<u>Employees With Total State Employment of</u>	<u>Hours Accrued Per Month</u>	<u>Days Accrued Per Year</u>
Fifteen (15) years but less than twenty (20) years	10	15
Twenty (20) years and over	14	21

Therefore, with the addition of the one and one-half days mentioned above, University employees who have completed fifteen (15) years State employment shall be entitled to sixteen and one-half (16 1/2) working days, and employees who have completed twenty (20) years State employment shall be entitled to twenty-two and one-half (22 1/2) working days annual leave for 1973-74 under the above provisions of the Appropriation Bill.

1973-74 PERSONNEL PAY PLAN: Ratification of the following changes in the pay plan is recommended:

1. Add the following new positions and salary ranges effective September 1, 1973:

<u>Code</u>	<u>Title</u>	<u>Monthly Range</u>	<u>Annual Range</u>
4006	Social Science/Humanities Research Associate IV	\$ 859-1,121	\$10,308-13,452
4007	Social Science/Humanities Research Associate III	752- 981	9,024-11,772
4008	Social Science/Humanities Research Associate II	680- 888	8,160-10,656
4009	Social Science/Humanities Research Associate I	615- 804	7,380- 9,648

1973-74 PERSONNEL PAY PLAN: (continued)

<u>Code</u>	<u>Title</u>	<u>Monthly Range</u>	<u>Annual Range</u>
5060	Architect II	\$1,198-1,567	\$14,376-18,804
5073	Draftsman II	680- 888	8,160-10,656
5074	Draftsman I	556- 727	6,672- 8,724
5248	Cabinetmaker Supervisor	831-1,084	9,972-13,008
5288	Construction Machinery Operator	658- 859	7,896-10,308
5289	Maintenance Man II	658- 859	7,896-10,308
5368	Locksmith	680- 888	8,160-10,656
5459	Driver	440- 575	5,280- 6,900
6161	Food Service Supervisor II	470- 615	5,640- 7,380
6162	Food Service Supervisor I	398- 520	4,776- 6,240
6370	Safety Engineer	859-1,121	10,308-13,452
8320	Art Curator and Educational Director	615- 804	7,380- 9,648
8519	Illustration Assistant II	503- 658	6,036- 7,896
8520	Illustration Assistant I	412- 538	4,944- 6,456
8667	Editorial Assistant	455- 595	5,460- 7,140
8817	Photographer II	703- 918	8,436-11,016
8818	Photographer I	595- 778	7,140- 9,336
9010	Executive Assistant	888-1,159	10,656-13,908
9081	Guide Supervisor	520- 680	6,240- 8,160
9082	Guide	360- 470	4,320- 5,640
9542	Personnel Assistant II	804-1,048	9,648-12,576

2. Delete the following positions and salary ranges effective September 1, 1973:

<u>Code</u>	<u>Title</u>	<u>Monthly Range</u>	<u>Annual Range</u>
3605	Associate Director of Admissions	\$1,198-1,620	\$14,376-19,440
3607	Assistant Director of Admissions	918-1,198	11,016-14,376
3611	Assistant Registrar	918-1,198	11,016-14,376
5009	Assistant Director, Physical Plant	981-1,325	11,772-15,900
5206	Electrician Supervisor	949-1,121	11,388-13,452
6360	Fire Marshall	727- 918	8,724-11,016
8010	Librarian IV	981-1,239	11,772-14,868
8011	Librarian III	918-1,198	11,016-14,376
8012	Librarian II	778- 981	9,336-11,772
8013	Librarian I	636- 831	7,632- 9,972
8110	Training Specialist II	981-1,325	11,772-15,900
8675	Informational Writer III	727- 918	8,724-11,016
9305	Assistant Director, Data Processing	1,239-1,675	14,868-20,100
9505	Assistant Director of Personnel	981-1,239	11,772-14,868
9535	Personnel Representative	918-1,121	11,016-13,452

3. Change the following positions and salary ranges effective September 1, 1973:

<u>Code</u>	<u>Title</u>	<u>From</u>		<u>To</u>	
		<u>Monthly Range</u>	<u>Annual Range</u>	<u>Monthly Range</u>	<u>Annual Range</u>
5290	Maintenance Man I	\$595-778	\$7,140-9,336	\$575-752	\$6,900-9,024
6215	Assistant Building Services Supervisor	636-804	7,632-9,648	636-831	7,632-9,972

LABORATORY FEES: Approval is recommended for the following fees effective September 1, 1973:

<u>Course Number</u>	<u>Course Title</u>	<u>Fee</u>
Biology 580	Population Genetics	\$8.00
Biology 665	Industrial Microbiology	\$8.00
Biology 570	Environmental Physiology	\$8.00
Biology 540	Endocrinology	\$8.00
Biology 641	Microbial Ecology	\$8.00

7

USE OF TEXTBOOKS WRITTEN BY FACULTY: In accordance with Chapter II, Section 24 of Part One of the Regents' Rules and Regulations for the Government of The University of Texas, approval is recommended of use of the following faculty authored book as a textbook for the 1973-74 fiscal year:

<u>Title</u>	<u>Author</u>	<u>Cost to Student</u>	<u>Royalty To Author</u>
Mexican American Artists	Jacinto Quirarte	\$ 12.50	\$ 1.25

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL)
September 14, 1973

20
↑
H

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is requested for the following:

1. Agreement between the Texas A & M Research Foundation and The University of Texas at San Antonio, signed by President Peter T. Flawn, whereby The University of Texas at San Antonio agrees to provide thirty percent of a faculty member's services to supervise an Environmental Protection Agency grant. This agreement is for the period July 1, 1973 through December 31, 1973 and totals \$3,782.47.

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
GRANTS, CONTRACTS, AGREEMENTS (STATE)
September 14, 1973

20 x 17

GRANTS, CONTRACTS AND AGREEMENTS (STATE): Approval is requested for the following:

1. Interagency Cooperation Contract No. IAC(74-75)-005 between The University of Texas at Austin and The University of Texas at San Antonio, signed by Vice President E. M. Mahon, whereby The University of Texas at Austin agrees to furnish stenographic stores supplies, reproducing services, and all other needed supplies and services, as The University of Texas at San Antonio may consider necessary to its operation and which The University of Texas at Austin agrees to provide. This agreement will effectively relieve The University of Texas at San Antonio of the financial burden of providing for distinct and separate service departments on an interim basis and avoid costly allocations of space and personnel for such functions. The contract period is from September 1, 1973 through August 31, 1975. Total amount not to exceed \$20,000.00 per fiscal year.
2. Interagency Cooperation Contract No. IAC(74-75)-007 between The University of Texas at San Antonio and The University of Texas at Arlington, signed by President Peter T. Flawn, whereby The University of Texas Lutcher Center at San Antonio shall provide meeting rooms for conferences and meetings at a time mutually agreeable to both agencies. Contract period is from September 1, 1973 through August 31, 1975. Costs shall be in accordance with the Lutcher Center's schedule of rates effective at date of meeting.
3. Interagency Cooperation Contract No. IAC(74-75)-011 between The University of Texas at San Antonio and Texas A & M University (Texas Transportation Institute), signed by Vice President E. M. Mahon, whereby The University of Texas at San Antonio agrees to make available to Texas A & M University ten percent (10%) of the time of Dr. C. S. Shih for contribution of his professional supervision and involvement in the research project entitled "Systems Approach to Highway Pavement Design and Implementation." This is a renewal of IAC(72-73)-1239. The contract period is from September 1, 1973 through August 31, 1974. Total amount not to exceed \$2,688.09.
4. Interagency Cooperation Contract No. IAC(74-75)-035 between The University of Texas Health Science Center at San Antonio and The University of Texas at San Antonio, signed by Vice President E. M. Mahon, whereby The University of Texas Health Science Center at San Antonio agrees to furnish general stores supplies, duplicating services, and such other needed supplies and/or services as The University of Texas at San Antonio may consider necessary to its operation, and which The University of Texas Health Science Center at San Antonio agrees to provide. This agreement will effectively relieve The University of Texas at San Antonio of the financial burden of providing for distinct and separate service departments on a temporary basis and avoid costly allocations of space and personnel for such functions. The contract period is from September 1, 1973 through August 31, 1975. Total amount not to exceed \$20,000.00 per fiscal year.
5. Interagency Cooperation Contract No. IAC(72-73)-1268 between The University of Texas at Arlington and The University of Texas at San Antonio, signed by Vice President E. M. Mahon, whereby The University of Texas at Arlington provides for rental of 16mm educational motion picture films and other instructional materials, subject to availability of funds. The contract period is from July 5, 1973 through August 31, 1975. Total amount not to exceed \$2,500.00.

GRANTS, CONTRACTS AND AGREEMENTS (STATE): (continued)

6. Interagency Cooperation Contract No. IAC(72-73)-1239 between The University of Texas at San Antonio and Texas A & M University (Texas Transportation Institute), signed by Vice President E. M. Mahon, whereby The University of Texas at San Antonio agrees to make available to Texas A & M University ten percent (10%) of the time of Dr. C. S. Shih for contribution of his professional supervision and involvement in the research project entitled "Systems Approach to Highway Pavement Design and Implementation." The contract period is from July 1, 1973 through August 31, 1973. Total amount not to exceed \$423.30.

847

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)
September 14, 1973

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL): Approval is requested for the following:

U. S. Department of Interior
National Park Service
Harpers Ferry Center

1. Purchase Order Number PX-1100-3-1819 in the amount of \$25,000.00
LBJ Old Ranch
The project is to include the production and installation of silk-screen, photography, and other graphic application. Construction is to be of individual masonite panels in preparation for photo mounting and display fixtures will be included in the work.

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO
RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET
 September 14, 1973

Approval is requested for the following:

GENERAL ADMINISTRATION

Vice President for Fiscal Affairs

1. Accept the resignation of Mr. James T. Hale, III, Business Manager, at an annual salary rate of \$20,000.00, effective July 31, 1973. (RBC 160)

Office of General Services

2. Increase the annual salary rate of Mrs. Virginia M. Worthy, Purchasing Agent, from \$13,500.00 to \$14,500.00, effective July 1, 1973. Funds required for this change are to come from Office of General Services, Classified Salaries. (RBC 164)

Office of the Director of Accounting

3. Change the budgetary designation of the Office of the Business Manager to the Office of the Director of Accounting, effective July 16, 1973. (RBC 161)
4. Create a new position of Director of Accounting at an annual salary rate of \$18,500, and appoint Mr. Joe A. Powell to that position effective July 16, 1973. Funds needed, in the amount of \$2,337.33, are to be transferred from Unallocated - Including Special Equipment. (RBC 162)
5. Create a new position of Assistant Director of Accounting at an annual salary rate of \$13,500.00, and change the status of Mrs. Barbara J. Ricks from Accountant II at an annual salary rate of \$12,180.00 to that position, effective July 16, 1973. Funds needed, in the amount of \$1,705.61, are to come from Unallocated - Including Special Equipment. (RBC 163)
6. Accept the resignation of Mrs. Barbara J. Ricks, Assistant Director of Accounting at an annual salary rate of \$13,500.00 effective at the close of business August 15, 1973. (RBC 173)

RESIDENT INSTRUCTION

College of Business

Division of Management

7. Appoint Dr. William D. Litzinger (initial request for tenure) as Professor and Director, at an annual salary rate of \$29,000.00, effective May 15, 1973. Funds needed, in the amount of \$8,575.24, are to come from Unallocated Faculty Salaries account. (RBC 127)

College of Fine and Applied Arts

Division of Art and Design

8. Transfer \$1,072.80 from College of Fine and Applied Arts, Unallocated Classified Salaries account to Division of Art and Design Classified Salaries to provide funds needed to fill a new classified position. (RBC 159)
9. Appoint Dr. Danuta Batorska (without tenure) as Assistant Professor at an academic salary rate of \$14,000.00, effective July 16, 1973 through August 31, 1973. Funds needed, in the amount of \$2,333.33, are to come from Unallocated Faculty Salaries account. (RBC 166)

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET: (continued)RESIDENT INSTRUCTIONCollege of Humanities and Social SciencesDivision of English Language, Literatures, and Linguistics

10. Appoint Dr. Curtis W. Hayes (initial request for tenure) as Associate Professor, at an academic salary rate of \$15,500.00 for nine months, effective July 16, 1973. Funds needed, in the amount of \$2,583.33, are to come from Unallocated Faculty Salaries - Summer School. (Revised RBC 131a)

Division of Foreign Languages, Literatures and Linguistics

11. Appoint Dr. Frank Pino, Jr. (non-tenure) as Associate Professor at an academic salary rate of \$13,000.00 for nine months, effective July 16, 1973. Funds needed in the amount of \$2,166.67, are to come from Unallocated Faculty Salaries - Summer School. (Revised RBC 78)

Division of Social Sciences

12. Appoint Mr. Thomas R. Hester (non-tenure) as Assistant Professor, at an academic salary rate of \$11,000.00 for nine months, effective July 16, 1973. Funds needed in the amount of \$1,833.33, are to come from Unallocated Faculty Salaries - Summer School. (Revised RBC 43)
13. Appoint Mr. Neil E. Lindley (without tenure) as Lecturer (without salary), effective August 1, 1973. Mr. Lindley is also appointed as Coordinator of Special Programs, Office of the Dean, Division of Continuing Education, at an annual salary rate of \$18,000.00. (RBC 168)

College of Multidisciplinary StudiesDivision of Advanced Studies in Education

14. Appoint Dr. William A. Myers (without tenure) as Visiting Associate Professor, at an academic salary rate of \$16,000.00 for nine months, effective June 1, 1973 through July 15, 1973. Funds needed in the amount of \$2,666.67, are to come from Unallocated Faculty Salaries. (RBC 150)
15. Reappoint Dr. James M. Seals (without tenure) as Visiting Associate Professor, at an academic salary rate of \$14,400.00 for nine months, effective July 16, 1973 through August 31, 1973. Funds needed, in the amount of \$2,400.00, are to come from Unallocated Faculty Salaries. (RBC 135)
16. Change the official budgetary designation of the Division of Advanced Studies in Education to the Division of Education, effective August 1, 1973. (RBC 174)
17. Transfer Dr. Dewey D. Davis (non-tenure) Professor, at an annual salary rate of \$24,600.00, from Division of Certificate Programs in Education, to Division of Education. The funds necessary to effect this transfer are to be transferred from Division of Certificate Programs in Education, Faculty Salaries to the Division of Education, Faculty Salaries. (RBC 177)

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET: (continued)RESIDENT INSTRUCTIONCollege of Multidisciplinary Studies (continued)Division of Bicultural-Bilingual Studies

18. Appoint Dr. Albar Pena (initial request for tenure) as Professor and Director, at an annual salary rate of \$26,000.00, effective June 1, 1973. Funds needed, in the amount of \$6,500.00, are to come from Unallocated Faculty Salaries and Unallocated Faculty Salaries - Summer School. (RBC 136)

Division of Environmental Studies

19. Transfer \$1,238.00 from College of Multidisciplinary Studies - Unallocated Classified Salaries to Division of Environmental Studies to provide funds needed for filling new classified position. (RBC 149)
20. Appoint Dr. John Fletcher (without tenure) as Lecturer, at an academic salary rate of \$7,200.00, effective July 16, 1973, through August 31, 1973. Funds needed, in the amount of \$1,200.00, are to come from Unallocated Faculty Salaries. (RBC 165)
21. Appoint Dr. Berry Sutherland (non-tenure) as Assistant Professor (without salary), effective July 16, 1973. Dr. Sutherland also serves as Assistant Professor at an academic salary rate of \$13,500.00 for nine months, in the Division of Advanced Studies in Education. (RBC 172)

Office of the Dean

22. Change the status of Dr. Milo T. Kearney (tenure) from Professor and Director of the Division of Certificate Programs in Education, at an academic salary rate of \$18,000.00 for nine months to Assistant Dean for Certification and Placement, Office of the Dean, effective August 1, 1973. Dr. Kearney will serve as Professor (tenure) in the Division of Education. Funds required for this change to be transferred from the Division of Certificate Programs in Education, Faculty Salaries to the Office of the Dean, Administrative and Professional Salaries. (RBC 175)
23. The Division of Certificate Programs in Education is being abolished. Transfer funds in the Division (\$447.00 Classified Salaries, and \$896.06 Maintenance and Operation) to Office of the Dean (\$447.00 Classified Salaries, \$864.43 Maintenance and Operation, \$31.63 Travel). (RBC 176)

Division of Continuing Education

24. Appoint Mr. Neil E. Lindley as Coordinator of Special Programs, Office of the Dean, at an annual salary rate of \$18,000.00, effective August 1, 1973. Funds needed, in the amount of \$1,500.00 are to come from Unallocated - Including Special Equipment. Mr. Lindley is also appointed (without salary) as Lecturer (without tenure), College of Humanities and Social Sciences, Division of Social Sciences. (RBC 167)

College of Sciences and MathematicsDivision of Mathematics and Systems Design

25. Grant a leave of absence (without salary) to Dr. William B. Gearhart (tenure), Associate Professor at an academic salary rate of \$15,000.00 for nine months, effective at the close of business July 15, 1973. Transfer unused Faculty Salaries in the amount of \$2,516.67 to Unallocated Faculty Salaries. (RBC 170)

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET: (continued)RESIDENT INSTRUCTIONCollege of Sciences and Mathematics (continued)Division of Mathematics and System Design

26. Appoint Mr. Thomas Woteki (without tenure) as Instructor, at an academic salary rate of \$11,500.00, effective July 16, 1973 through August 31, 1973. Funds needed, in the amount of \$1,916.67, are to come from Unallocated Faculty Salaries. (RBC 154)

Division of Physical Sciences

27. Appoint Dr. Philip L. Stotter (without tenure) as Assistant Professor (75% of time), at an academic salary rate of \$16,000.00, effective July 16, 1973 through August 31, 1973. Funds needed, in the amount of \$2,000.00, are to come from Unallocated Faculty Salaries - Summer School. (RBC 169)

LIBRARY

28. Appoint Mrs. Margaret A. Joseph as Reference Librarian, at an annual salary rate of \$12,000.00, effective June 15, 1973. Funds needed in the amount of \$2,533.30, are provided for in the Administrative and Professional Salaries. (Revised RBC 142)

BUDGET TRANSFERSTransfer of Funds

29. Amount of Transfer: \$163,397.81

From:	College of Business	
	Unallocated Classified Salaries	\$ 729.33
	Unallocated Maintenance and Operation	15,000.00
	Unallocated Equipment	12,000.00
	Unallocated Travel	2,000.00
	College of Fine and Applied Arts	
	Unallocated Classified Salaries	5,816.74
	Unallocated Maintenance and Operation	5,000.00
	Unallocated Travel	1,000.00
	College of Humanities and Social Sciences	
	Unallocated Classified Salaries	7,100.00
	Unallocated Maintenance and Operation	5,000.00
	Unallocated Travel	2,000.00
	College of Multidisciplinary Studies	
	Unallocated Classified Salaries	909.38
	Unallocated Maintenance and Operation	7,000.00
	Unallocated Travel	250.00
	College of Sciences and Mathematics	
	Unallocated Classified Salaries	39,592.36
	Unallocated Equipment	39,000.00
	Unallocated Travel	1,000.00
	Computer Development and Training	20,000.00
To:	College of Fine and Applied Arts	
	Division of Art and Design	
	Maintenance and Operation	\$ 300.00
	Office of the Dean	
	Travel	800.00
	College of Sciences and Mathematics	
	Division of Earth and Life Sciences	
	Maintenance and Operation	1,000.00
	Office of the Dean	
	Maintenance and Operation	5,000.00
	Travel	500.00

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET: (continued)BUDGET TRANSFERSTransfer of Funds

29. To: (continued)

Library	
Travel	1,000.00
Books, Periodicals and Bindings	10,000.00
Physical Plant (General Services)	
Maintenance and Operation	4,000.00
Physical Plant (Building Maintenance)	
Wages	500.00
Office of the Director of Accounting	
Maintenance and Operation	3,000.00
Office of General Services	
Maintenance and Operation	4,000.00
Unallocated - Including Special Equipment	133,297.81

For: To provide the funds necessary to enable various departments to meet their operational requirements and to lapse unused funds into an unallocated account for future budgetary authorization and subsequent allocation. (RBC 171)

30. Amount of Transfer: \$460,190.31

From: Unallocated - Including Special Equipment	\$100,190.31
Library	
Administrative and Professional Salaries	5,000.00
College of Business,	
Unallocated Classified Salaries	10,000.00
College of Fine and Applied Arts	
Unallocated Equipment	45,000.00
College of Humanities and Social Sciences	
Unallocated Classified Salaries	10,000.00
Unallocated Equipment	20,000.00
College of Multidisciplinary Studies	
Unallocated Classified Salaries	15,000.00
Unallocated Equipment	20,000.00
College of Sciences and Mathematics	
Unallocated Equipment	100,000.00
Library	
Administrative and Professional Salaries	60,000.00
Physical Plant (Building Maintenance)	
Equipment	75,000.00
To: Office of the Business Manager	
Maintenance and Operation	\$ 5,000.00
Office of General Services	
Maintenance and Operation	5,000.00
Personnel Office	
Classified Salaries	1,895.00
Office of Admissions	
Maintenance and Operation	20,000.00
College of Fine and Applied Arts	
Office of the Dean	
Maintenance and Operation	2,000.00
College of Multidisciplinary Studies	
Office of the Dean	
Maintenance and Operation	2,000.00
Telephone Central Office	
Maintenance and Operation	50,000.00
Consultants and Conferences	
Maintenance and Operation	5,000.00

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET: (continued)BUDGET TRANSFERSTransfer of Funds

30. To: (continued)

Campus Security	
Classified Salaries	\$ 6,121.18
Library	
Classified Salaries	5,000.00
Office of Instructional Services	
Classified Salaries	3,174.13
Unallocated - Including Special Equipment	355,000.00

For: To provide the funds necessary to enable various departments to meet their operational requirements and to lapse unused funds into an unallocated account for future budgetary authorization and subsequent allocation. (RBC 151, RBC 152, RBC 155, RBC 156, RBC 157, and RBC 158)

31. Amount of Transfer: \$1,579.10

From: <u>Lutcher Center - Interagency Contract</u>	\$ 1,579.10
To: Lutcher Center, Salaries	\$ 289.59
Lutcher Center, Maintenance and Operation	1,289.51

For: To transfer funds from Interagency Contract account to Maintenance and Operation and Salaries accounts for the remainder of the year. Salaries, utilities, telephone and landscaping expenses have exceeded original estimates. (RBC-LC-8)

Misc.

SERVICE DEPARTMENTSLutcher Center

32. ESTIMATED INCOME:

Lutcher Center Services	
Credit for Lutcher Center Services	\$ 1,500.00

BUDGETED EXPENDITURES:

Lutcher Center Services	
Purchase of Materials for Resale	\$ 1,500.00

To establish a Service Department budget for Lutcher Center Services to record estimated income and provide funds for operation during the balance of the 1972-73 fiscal year. (RBC 143)

G373
File

GRADUATE SCHOOL CATALOG Approval is requested of the following addendum
to the 1973-74 Graduate Catalog.

THE UNIVERSITY OF TEXAS AT SAN ANTONIO

ADDENDUM TO GRADUATE CATALOG 1973-74

CONTENTS	BOARD OF REGENTS
	PRINCIPAL ACADEMIC AND ADMINISTRATIVE OFFICERS
	STATEMENT ON ACCREDITATION
	FEES AND DEPOSITS
	INSTITUTIONAL POLICIES CONCERNING STUDENTS
	STUDENT HEALTH SERVICES
	DEGREE REQUIREMENTS FOR MS IN BIOLOGY
	REVISIONS IN DEGREE REQUIREMENTS
	MA in English
	MA in Education
	MS in Mathematics and System Design
	NEW COURSES
	REVISIONS IN COURSE LISTINGS

BOARD OF REGENTS

A. G. McNeese, Jr., Chairman

Dan C. Williams, Vice-Chairman

Betty Anne Thedford, Secretary

TERMS EXPIRE JANUARY, 1975

Frank C. Erwin, Jr.	Austin
Jenkins Garrett	Fort Worth
Dan C. Williams	Dallas

TERMS EXPIRE JANUARY, 1977

Mrs. Lyndon B. Johnson	Stonewall
A. G. McNeese, Jr.	Houston
Joe T. Nelson, M. D.	Weatherford

TERMS EXPIRE JANUARY, 1979

James E. Bauerle, D. D. S. San Antonio
Edward Clark Austin
Allan Shivers Austin

P R I N C I P A L A C A D E M I C A N D
A D M I N I S T R A T I V E O F F I C E R S

Charles A. LeMaistre Chancellor
Everitt Donald Walker Deputy Chancellor
for Administration
James W. Wagener Assistant Vice-Chancellor
Peter T. Flawn President
Kenneth H. Ashworth Executive Vice President
Everitt M. Mahon Vice President for Business Affairs
Beverly J. Gibbs Assistant to the President for
Academic Affairs
Richard E. W. Adams Dean, College of Humanities and
Social Sciences
E. Douglas Hodo Dean, College of Business
William C. Lindley Dean, Division of
Continuing Education
Joseph Michel Dean, College of
Multidisciplinary Studies
Jacinto Quirarte Dean, College of Fine and
Applied Arts
Bernard P. Sagik Dean, College of
Sciences and Mathematics
Dora G. Grossenbacher Dean of Students
Michael F. Kelly Director of Libraries
Richard L. Lewis Director of Admissions and Registrar

S T A T E M E N T O N A C C R E D I T A T I O N

On July 1, 1973, The University of Texas at San Antonio was classified by the Southern Association of Colleges and Schools as a Candidate for Accreditation. Since 1971, UT San Antonio has been classified as a Correspondent by the Southern Association. With this new classification there should be no difficulty in the transfer of credits from UT San Antonio to other colleges and universities. Under Southern Association policy, UTSA is eligible for membership in the Association in the spring in which its first class is graduated.

F E E S A N D D E P O S I T S

Fees effective for the 1973 fall semester will be as follows:

1. Required Student Services Fees--\$2.00 per semester hour for each regular semester; \$1.00 per semester hour for each summer session. (Maximum of \$30.00 for each regular semester or entire summer).
2. Laboratory Fees--

BIOL 580 Population Genetics	\$8.00
BIOL 665 Industrial Microbiology	8.00
BIOL 570 Environmental Physiology	8.00
BIOL 641 Microbial Ecology	8.00
BIOL 540 Endocrinology	8.00

All other fees described on pages 22 and 23 of the Graduate Catalog will remain unchanged.

A property deposit of \$10.00 will be required to be maintained by all students registering in the fall 1973 semester and thereafter.

There will be no change in the tuition charges as set out in the Graduate Catalog on page 21.

I N S T I T U T I O N A L P O L I C I E S

C O N C E R N I N G S T U D E N T S

All students of The University of Texas at San Antonio are subject to the rules and regulations governing student discipline and conduct as set out in the Rules and Regulations of the Board of Regents of The University of Texas System.

The Regent's Rules have full force and effect as concern all UTSA students. These rules may be consulted at the following locations on the campus at UTSA:

Office of the Dean of Students

The University Library

Offices of all Deans

Offices of all Vice Presidents

Office of the President

A student at the university neither loses the rights nor escapes the responsibilities of citizenship. He or she is expected to obey both the penal and civil statutes of this state and the federal government and the

Rules and Regulations of the Board of Regents and the University.

S T U D E N T H E A L T H S E R V I C E S

The University will provide no on-campus medical care while located at the Koger Executive Center at Babcock Road and Loop 410. A first aid room, however, is located in the Goliad Building, Room 134, 4203 Woodcock, which will be used solely as a holding facility and pick up point until arrangements can be made to transport a student to his home or to a doctor's office.

In case of accident or illness, please call the Office of the Dean of Students, extension 301 or 302, so that the first aid room can be made available. If the Dean of Students cannot be reached, call Mr. Chavez, University Police Chief, on 307. No regular attendant will be on duty at the first aid room.

Students are advised to carry health and accident insurance. Out of town students should have documents to verify insurance coverage to avoid possible delays in obtaining medical treatment.

D E G R E E R E Q U I R E M E N T S F O R
M S I N B I O L O G Y

COLLEGE OF SCIENCES AND MATHEMATICS: Master of Science Degree in Biology
(authorized degree program to be implemented fall 1973)

Statement of Degree Requirements: All candidates for the degree will be required, in addition to the General Regulations for the Master's Degree, to complete successfully a total of 36 semester hours. Should the student elect to write a thesis, six hours of this number will be in BIOL 691, Master's Thesis. If the student does not write a thesis, three hours of the total of 36 semester hours required will be in BIOL 630, Special Problems: Selected Individual Research Topics.

R E V I S I O N S I N D E G R E E
R E Q U I R E M E N T S

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES: Master of Arts Degree in English

Revised Degree Requirements: Add ENSL 561 (Teaching English as a Second Language) to the Degree Requirements, Option I (p. 60). (The course was inadvertently omitted from the listing of courses in Option I.)

COLLEGE OF MULTIDISCIPLINARY STUDIES: Master of Arts Degree in Education

Revised Statement of Degree Requirements (to supersede information from "Degree Requirements," p. 80 to, but not including, "Master of Arts Degree in Bicultural-Bilingual Studies," p. 84): All degree candidates in Education are required to have the following experiences:

- 1) Research Methods in Education (EDUC 530)
- 2) Values and Their Relationship to Education (EDUC 581 or EDUC 532)
- 3) Learning Psychology (EDUC 561, EDUC 565, or ECED 563)
- 4) Curriculum Development (any course with a CURR prefix)

In addition all students are required to have at least 6 hours in one of the 5 Education concentrations and up to 18 hours of elective for Plan II or 6 hours of electives for Plan I (Thesis option).

COLLEGE OF SCIENCES AND MATHEMATICS: Master of Science Degree in Mathematics and System Design

Revised Statement of Degree Requirements (to supersede information listed under "Degree Requirements" on pp. 107-108): All candidates for the degree will, in addition to the General Regulations for the Master's Degree, be required to successfully complete 36 semester hours of credit chosen from within the offerings of the Division of Mathematics and Systems Design. These 36 hours will be subject to the following conditions:

- 1) A minimum of 18 hours must be chosen from non-foundation courses (listed on pp. 106-107) within the Division of Mathematics and Systems Design.
- 2) A 3-hour seminar is required of each student in the Master's program. These seminars will be arranged to suit the individual programs of the students.
- 3) With the approval of the student's faculty advisory committee 6 semester hours chosen from within the foundation courses may be included in the degree program.

NEW COURSES

COLLEGE OF BUSINESS

Division of Accounting and Business Data Systems

ACCT 571 ADVANCED PROBLEMS IN AUDITING

A study of current literatures on auditing standards, reliability of evidential matter, special reports, reports of not-for-profit organizations and reports to regulatory agencies.

Prerequisite: undergraduate course in auditing or consent of the instructor.

Credit: 3 semester hours.

Division of Management

MGMT 573 INDUSTRIAL RELATIONS

An analysis of collective bargaining systems in organizations. Emphasis placed on the roles of management, unions, and government in collective bargaining and agreement administration.

Credit: 3 semester hours.

COLLEGE OF FINE AND APPLIED ARTS

Division of Art and Design

ART 534 BAROQUE ART AND ARCHITECTURE OF SOUTHERN AND NORTHERN EUROPE

A study of Seventeenth Century painting, sculpture, and architecture in Italy, Spain, France, Holland, and Belgium. A course stressing the development of the Baroque style in Rome where it reached its fullest expression in all artistic media and from where its influence spread throughout southern and northern Europe.

Credit: 3 semester hours.

COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Division of Social Sciences

ANTH 610, 620, 630 SPECIAL PROBLEMS

May be repeated but not more than 6 hours will apply to a Master's degree. All work required for credit must be submitted to the instructor two weeks prior to the final examination period and must be completed no later than one year from the date of enrollment in the course.

Prerequisite: consent of instructor.

Credit: 1, 2, 3 semester hours (respectively).

GEOG 610, 620, 630 SPECIAL PROBLEMS

May be repeated but not more than 6 hours will apply to a Master's degree. All work required for credit must be submitted to the instructor two weeks prior to the final examination period and must be completed no later than one year from the date of enrollment in the course.

Prerequisite: consent of instructor.

Credit: 1, 2, 3 semester hours (respectively).

HIST 610, 620, 630 SPECIAL PROBLEMS

May be repeated but not more than 6 hours will apply to a Master's degree. All work required for credit must be submitted to the instructor two weeks prior to the final examination period and must be completed no later than one year from the date of enrollment in the course.

Prerequisite: consent of instructor.

Credit: 1, 2, 3 semester hours (respectively).

SOC 610, 620, 630 SPECIAL PROBLEMS

May be repeated but not more than 6 hours will apply to a Master's degree. All work required for credit must be submitted to the instructor two weeks prior to the final examination period and must be completed no later than one year from the date of enrollment in the course.

Prerequisite: consent of instructor.

Credit: 1, 2, 3 semester hours (respectively).

COLLEGE OF MULTIDISCIPLINARY STUDIES

Division of Education

EDMG 530 GENERAL SCHOOL ADMINISTRATION

The roles, tasks and problems of district and building level administrators; interrelationships of modern school systems and their relationship to local, state, and federal government.

Prerequisite: one year of teaching experience.

Credit: 3 semester hours.

EDMG 535 THE PRINCIPALSHIP

Analysis of the principal's role as he interacts with his various referent groups. Special emphasis on behavior. Applicable to elementary and secondary administration. Prerequisite: one year teaching experience. Credit: 3 semester hours.

EDUC 591 PRINCIPLES AND TECHNIQUES OF EVALUATION

Study of the role of evaluation, development of instruments for assessing the products of learning and the techniques for interpreting and communicating evaluation results.

- A Elementary
- B Secondary
- C Higher Education

Credit: 3 semester hours

EDUC 660 THE EXCEPTIONAL CHILD IN THE SCHOOL

Study of children with unusual educational problems: educable and trainable mentally retarded, cerebral palsied, gifted, learning disabled; educational strategies for facilitating their learning; field experiences. Credit: 3 semester hours.

Division of Bicultural-Bilingual Studies

BCBL 577 TESTING AND EVALUATION IN BILINGUAL EDUCATION

Test validity and interpretation of scores; construction of appropriate tests and rating scales to measure bilingual knowledge, skills and attitudes; application and adaptation of standardized instruments.

Prerequisite: consent of instructor.

Credit: 3 semester hours.

COLLEGE OF SCIENCES AND MATHEMATICS

Division of Earth and Life Sciences

BIOL 521 COMPARATIVE PHYSIOLOGY OF VERTEBRATE REPRODUCTION

A detailed comparative study of the mechanism of vertebrate reproduction, environmental factors which affect reproduction.

Prerequisite: a course in endocrinology.

Credit: 2 semester hours.

BIOL 530 SOCIETY, ETHICS AND THE LIFE SCIENCES

An examination of the ethical and social implications of studies in those areas of the life sciences which affect public policy or action, i.e., incentives to slow population growth; behavioral control by brain surgery; definitions of death for organ donors.

Prerequisite: college biology or consent of instructor.

Credit: 3 semester hours.

BIOL 532 DRUGS: THEIR SOCIAL IMPLICATIONS, ACTIONS AND EFFECTS

A study of the behavioral effects and chemical actions of drugs in society. Lecture and demonstration.

Prerequisite: organic chemistry and biology or consent of instructor.

Credit: 3 semester hours.

BIOL 534 THE PHYSIOLOGY OF AGGRESSION

This course is designed to deal with the neurological factors of aggressive behavior. It will include environmental causes of aggression, the effects of drugs and the control of aggression, as well as the role of aggression in modern society. Emphasis will be placed on the elucidation of behavioral mechanisms and the evaluation of experimental design in behavior research.

Prerequisite: physiology or consent of instructor.

Credit: 3 semester hours.

BIOL 535 HEREDITY, EVOLUTION AND SOCIETY

This is a study of variation among individuals, fundamental aspects of evolutionary change and their relation to human thought, experience and affairs. Topics such as human cultural evolution, diversity, mating systems, management of human resources and social issues in genetics will be considered. This course is designed for the non-biology major. It is intended specifically for majors in the social sciences, including education, and will provide strength in genetics and evolution for such student.

Prerequisite: college biology or consent of instructor.

Credit: 3 semester hours.

BIOL 536 SOCIETAL IMPLICATIONS OF MODERN BIOLOGICAL RESEARCH

Current biological research will be studied in order to enable the student to evaluate its impact on existing social structures and mores, i.e., genetic engineering; in vitro embryogenesis; transplantation immunity.

Prerequisite: college biology or consent of instructor.

Credit: 3 semester hours.

BIOL 538 TOPICS IN MODERN BIOLOGY: A GRADUATE COURSE FOR THE NON-BIOLOGIST

An in-depth survey of the more pertinent areas of biological research and their relationships to modern man. Topics to be covered will include: behavior control and neurophysiology mechanism of directing inheritance, regeneration.

Prerequisite: graduate standing or consent of instructor.

Credit: 3 semester hours.

BIOL 539 ENVIRONMENTAL AND POPULATION BIOLOGY

The role of the environment in population regulation and control. To include topics such as environmental cycles of the past and subsequent population changes, human alterations of the environment and their consequences.

Prerequisite: graduate standing or consent of instructor.

Credit: 3 semester hours.

BIOL 540 ENDOCRINOLOGY

A consideration of the physiological effects of hormones on the organism in health and disease, together with a study of the gross and microscopic morphology of the glands of internal secretion.

Prerequisite: a course in vertebrate Physiology.

Credit: 4 semester hours.

BIOL 541 COMPARATIVE VERTEBRATE PHYSIOLOGY

Comparative analysis of physiological mechanisms among vertebrates.

Prerequisite: a course in physiology and a course in invertebrate zoology.

Credit: 4 semester hours.

BIOL 570 ENVIRONMENTAL PHYSIOLOGY

Lectures, reports and laboratory work on the physiological responses to heat, cold, light, social stimuli, and atmospheric pressure in the vertebrate organisms.

Prerequisite: a course in physiology.

Credit: 3 semester hours.

BIOL 580 POPULATION GENETICS

An evolutionary approach to the study of the genetic system. Mutant and chromosomal variability, homologies, polymorphism, hybridization, heterosis.

Prerequisite: a course in introductory genetics.

Credit: 3 semester hours.

BIOL 582 BIOLOGY OF PARASITISM

A study of animal parasites with special emphasis on the physiology of host-parasite interactions.

Prerequisite: a course in parasitology or consent of instructor.

Credit: 3 semester hours.

BIOL 610, 620, 630 SPECIAL PROBLEMS

May be repeated but not more than 6 hours will apply to a Master's degree. All work required for credit must be submitted to the instructor two weeks prior to the final examination period and must be completed no later than one year from the date of enrollment in the course.

Prerequisite: consent of instructor.

Credit: 1, 2, 3 semester hours (respectively).

BIOL 641 MICROBIAL ECOLOGY

A study of the mutual relationships between microorganisms and their environment, especially natural habitats of microorganisms (including normal human flora and pathogens), commensalism, parasitism, and opportunism in various microbial species.

Prerequisite: a course in microbiology or consent of instructor.

Credit: 4 semester hours.

BIOL 660 CELLULAR AND MOLECULAR BIOLOGY

Molecular organization and function of cells and subcellular units, regulation of metabolism, chromosome structure, and active transport.

Prerequisites: a course in biology and organic chemistry or consent of instructor.

Credit: 3 semester hours.

BIOL 665 INDUSTRIAL MICROBIOLOGY

A study of fermentations of industrial importance, food processing, and quality control.

Prerequisite: a course in introductory microbiology or consent of instructor.

Credit: 3 semester hours.

BIOL 675 RADIATION BIOLOGY

Interactions of ionizing ultraviolet and visible radiations with matter, biological effects. Cellular repair of radiation damage. Biological photo-receptors.

Prerequisites: a course in biology, in organic chemistry, and in physics or consent of instructor.

Credit: 3 semester hours.

BIOL 691 MASTER'S THESIS

May be repeated for credit but not more than 6 hours will apply to the Master's degree. Permission of the instructor is required. Enrollment in BIOL 691 is required each term the thesis is in progress.

Credit: 3 semester hours.

Division of Mathematics and Systems Design

MATH 537 APPLIED STATISTICS

A course designed specifically for non-mathematics majors. Material from the biological, social and behavioral sciences, as well as from business and economics, will be used. Topics to be covered will include: the role of statistics in research; the use of parametric versus non-parametric methods; hypothesis testing, estimation and confidence intervals; Chi-square methods in regression, correlation, sample surveys, and elementary design of experiments; introduction to methods of analyzing data from experiments and surveys; probability and distribution functions.

Prerequisite: graduate standing or consent of instructor.

Credit: 3 semester hours.

Division of Physical Sciences

PHSC 531 FUTURE ENERGY SOURCES

Introduction to the basic concept of energy, its different forms, and applications. The purpose of this course is to give an orientation, based on solid scientific ground, to the present and expected world situation with regard to fuels and other sources of energy such as solar radiation and geothermal sources.

Prerequisite: graduate standing or consent of instructor.

Credit: 3 semester hours.

PHSC 533 CHEMICAL SYNTHESIS OF BIOLOGICALLY IMPORTANT MOLECULES

An examination of possible approaches to the laboratory synthesis of natural products of biological significance such as steroids, quinine, insect juvenile hormones, etc.

Prerequisite: organic chemistry.

Credit: 3 semester hours.

PHSC 536 PHYSICS FOR BIOLOGY AND MEDICAL STUDENTS

Detailed treatment of principles most applicable to biology and medicine; mechanics, fluid flow, basic properties of gases and liquids; heat transfer, simple circuits, bio-membranes, acoustics, optics.

Prerequisites: general physics, college algebra.

Credit: 3 semester hours.

PHSC 537 THE CHEMICAL ENVIRONMENT

A study of natural and industrial chemical reactions and their effects on the environment.

Prerequisite: organic chemistry or consent of instructor.

Credit: 3 semester hours

PHSC 538 CHEMISTRY OF INDUSTRIAL WASTE MANAGEMENT

The study of current practices in solid, liquid and gas treatment and disposal.

Prerequisite: a course in organic chemistry or consent of instructor.

Credit: 3 semester hours.

REVISIONS IN COURSELISTINGS

COLLEGE OF SCIENCES AND MATHEMATICS

Division of Earth and Life Sciences

BIOL 537 RECENT DEVELOPMENTS IN LIFE SCIENCE

Selected topics of current research interest in the life sciences will be presented both by persons active in these fields and by students.

Prerequisite: graduate standing or consent of instructor.

Credit: 3 semester hours.

Division of Mathematics and Systems Design

MATH 571A THEORY OF FUNCTIONS OF A COMPLEX VARIABLE

Complex integration, Cauchy's theorem, and calculus of residues.

Prerequisite: MATH 531, or the equivalent.

Credit: 3 semester hours.

MATH 571B THEORY OF FUNCTIONS OF A COMPLEX VARIABLE

Power series, infinite products, entire functions, Picard's theorem, Riemann mapping theorem.

Prerequisite: MATH 531, or the equivalent.

Credit: 3 semester hours.

MATH 590 APPLIED ALGEBRA

Ideas and techniques of modern algebra applied to the area of computer science.

Prerequisite: MATH 533.

Credit: 3 semester hours.

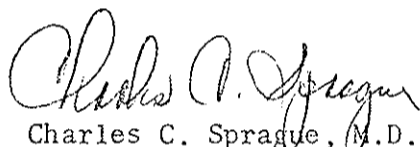
THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
5323 Harry Hines Boulevard, Dallas, Texas 75235

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
Austin, Texas 78712

Dear Dr. LeMaistre:

The following docket consisting of 241 pages for The University of Texas Health Science Center at Dallas is submitted for your approval and presentation to the Board of Regents at their next meeting on September 14, 1973.

Respectfully submitted,


Charles C. Sprague, M.D.
President

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

TRAVELDALLAS HEALTH SCIENCE CENTER

1. Anthony J. Monoz, Patrolman, University Police, to travel to the University of Texas Police Academy in Austin to attend training session from July 9, 1973 to September 19, 1973; expenses will be paid by the University Police Department.

DALLAS MEDICAL SCHOOL

2. Dr. Tracy Linn, Assistant Professor, Department of Biochemistry, to travel to Stockholm, Sweden, to attend a meeting of the Ninth International Congress of Biochemistry, from June 16, 1973 to July 15, 1973; travel expenses to be paid by the Robert A. Welch Foundation and the Southwestern Medical Foundation.

3. Dr. Jurgen Werringloer, Visiting Assistant Professor, Department of Biochemistry, to travel to Stockholm, Sweden, to attend a meeting of the Ninth International Congress of Biochemistry and a Satellite Symposium, from June 26, 1973 to July 23, 1973; travel expenses to be paid by the McDermott Foundation.

4. Dr. William A. Pettinger, Associate Professor of Pharmacology and Internal Medicine, Department of Pharmacology and Department of Internal Medicine, to travel to New York, Norwich, New Jersey, Montreal, Kalamazoo for the purpose of administrative travel to obtain funds for research support from June 29, 1973 to July 27, 1973; expenses to be paid by Hoffmann-La Roche.

5. Dr. Kenneth C. Haltalin, Associate Professor, Department of Pediatrics, to travel to Saigon, South Vietnam and Washington, D.C., for a tour of duty with AMA Education Project and to attend a meeting of Infectious Diseases Society of America and ICAAC and present papers; expenses to be paid by Various Donors.

6. Dr. Peggy Ann Sartain, Assistant Professor of Pediatrics, to travel to Saigon for a tour of duty with the Medical Education Project at the University of Saigon (AMA) from September 14, 1973 to November 19, 1973; expenses will be paid by the American Medical Association.

ADDITIONAL CLASSIFICATIONS FOR THE 1972-73 PERSONNEL PAY PLAN. Approval is requested for the following:

<u>Code</u>	<u>Title</u>	<u>Monthly Range</u>	<u>Annual Range</u>
6369	Safety Coordinator	\$1,015-1,335	\$12,180-16,020
8455	Television and Electronic Control Technician	662- 854	7,944-10,248
9313	Manager, Software Systems Programming	1,121-1,495	13,452-17,940
9314	Manager, Operations and Services	1,015-1,335	12,180-16,020
9316	Manager, System Analyst Services	1,175-1,575	14,100-18,900
9362	Magnetic Tape Librarian	447- 603	5,364- 7,236

REVISION FOR THE 1973-74 PERSONNEL PAY PLAN. Approval is requested for the following:

<u>Code</u>	<u>Title</u>	<u>Approved Range</u>	<u>Requested Range</u>
6369	Safety Coordinator	\$10,248-13,452	\$12,180-16,020

GIFTS

D + F

DALLAS HEALTH SCIENCE CENTER

	<u>Donor</u>	<u>Amount</u>
* 1.	National Chemsearch P. O. Box 2170 Irving, Texas 75060	
	<u>Purpose and Condition.</u> Gift of chemical merchandise valued at \$5,000.00.	\$5,000.00

DALLAS MEDICAL SCHOOL

2.	Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	
	<u>Purpose and Condition.</u> Support for a program entitled "Implementation of Computer-Based Instruction Programs in Clinical Medicine" under the direction of Fred L. Christen, Ph.D., Department of Instructional Communications.	\$15,996.00
3.	Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	
	<u>Purpose and Condition.</u> Support for the Human Growth and Development Program under the direction of Heinz Eichenwald, M.D., Department of Pediatrics.	\$42,000.00
4.	Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	
	<u>Purpose and Condition.</u> Support for construction of additional space for the anesthesiology laboratories of Dr. M. T. Jenkins at Parkland Memorial Hospital.	\$100,000.00
5.	Southwestern Medical Foundation 333 Medical Arts Building Dallas, Texas 75201	
	<u>Purpose and Condition.</u> Support for Chilton Research Fellows in the Department of Biochemistry under the direction of Dr. Ronald Estabrook.	\$11,000.00

* Original Letter Not Received

GIFTS - continued

DALLAS MEDICAL SCHOOL

<u>Donor</u>	<u>Amount</u>
6. The Lilly Research Laboratories Indianapolis, Indiana 46206	
<u>Purpose and Condition.</u> Support for research under the direction of Donald W. Seldin, M.D., Department of Internal Medicine.	\$15,000.00
7. Schering Corporation 60 Orange Street Bloomfield, N.J. 07003	
<u>Purpose and Condition.</u> Support for a fellow in the area of Infectious Diseases for the period July 1973 through July 1974 under the direction of George McCracken, M.D., Department of Pediatrics.	\$6,000.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL)DALLAS HEALTH SCIENCE CENTER

8. Lease agreement whereby the University of Texas Health Science Center at Dallas on behalf of the Children and Youth Project leases from the Housing Authority of the City of Dallas Apartment No. 2850, 2850 Pueblo and Apartment No. 2849, 2852 Pueblo, Project Tex 9-11A, George Loving Place, Dallas, Texas effective July 1, 1973 for a continuing period of time subject to the right of cancellation by either party, for the purpose of operating a health clinic for children living in the George Loving Place, at the rental rate of \$50.00 per month for each apartment.

9. Lease agreement whereby the University of Texas Health Science Center at Dallas leases from Stemmons Towers Company of Dallas, Texas approximately 926 square feet situated at Suite 911, Stemmons Tower North, 2700 Stemmons Expressway, Dallas, Texas for a 10 1/2 month period commencing September 1, 1973 and ending July 14, 1974 at the rental rate of \$463.00 per month for use as administrative offices.

DALLAS MEDICAL SCHOOL

10. Lease agreement whereby the University of Texas Southwestern Medical School extends its lease with the 2600 Stemmons Freeway Company for 2020 square feet situated at Suite 107 - 2600 Stemmons Freeway, Dallas, for an additional three to four month period after the June 30, 1973 expiration date or through September 30, 1973 or October 31, 1973 at the same rental rate of \$765.00 per month.

11. Lease agreement whereby UT Southwestern Medical School in Dallas leases for the Departments of Pathology and Psychology from the 2600 Stemmons Freeway Company of Dallas approximately 2175 square feet of space located at 2600 Stemmons Freeway, Suites 200 and 202, Dallas, Texas, for a 12-month period beginning September 1, 1973 through August 31, 1974, at the rental rate of \$950.00 per month for use as office and laboratory space.

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

12. Lease agreement whereby UT Southwestern Medical School in Dallas leases for the Department of Psychology from the 2600 Stemmons Freeway Company of Dallas, approximately 2820 square feet of space located at 2600 Stemmons Freeway, Suite 111, Dallas, Texas, for a 12-month period beginning September 1, 1973 through August 31, 1974, at the rental rate of \$949.00 per month for use as office space.

Abbott Laboratories
North Chicago, Illinois 60064

13. Research Grant
"Crystalline Amino Acid." Metabolic study of patients whose entire nutrition is intravenous amino acid solution.
P. William Curreri, M.D., Department of Surgery
\$8,088.96

American Cancer Society, Inc.
219 East 42nd Street
New York, New York 10017

14. Research Grant #NP-128E
"Regulation of Mitochondrial Electron Transport and Oxidative Phosphorylation." A continuation grant. A mitochondrial study.
Ronald A. Butow, Ph. D., Department of Biochemistry
July 1, 1973 through June 30, 1974
\$42,196.00

American Heart Association, Inc.
44 East 23rd Street
New York, N.Y. 10010

15. Teaching Scholar Supply Allowance
Support in the amount of \$1,000.00 for Charles B. Mullins, M.D., Department of Internal Medicine, for activities as a teaching scholar of the American Heart Association for a one-year period commencing July 1, 1973.

American Heart Association
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766

16. Research Grant
"Regulation of Cholesterol Synthesis by Cyclic AMP." Study of regulation of blood cholesterol.
Philip Raskin, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$7,500.00

17. Research Grant
"Autoregulation and Sodium Reabsorption in Edema States."
Study of the normal inter-relationship between the various aspects of kidney function and salt excretion in an attempt to elucidate the mechanisms that are operative during health to prevent the excess accumulation of salt and water.
Arnold H. Israelit, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$7,500.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

American Heart Association
 Texas Affiliate, Inc.
 P. O. Box 9928
 Austin, Texas 78766

18. Research Grant
"An Abnormality of Renin Release in the SH Rat." Study of spontaneous hypertension in a strain of rats.
 William A. Pettinger, M.D., Department of Pharmacology
 July 1, 1973 through June 30, 1974
 \$6,500.00
19. Research Grant
"Studies of Coronary Insufficiency in Awake, Intact Dogs." Physiological effect of mannitol on ventricular function.
 James T. Willerson, M.D., Department of Internal Medicine
 July 1, 1973 through June 30, 1974
 \$8,800.00
20. Research Grant
"MI/Anti-Arrhythmic Drugs/Regional Coronary Blood Flow." A drug study.
 H. Fred Downey, Ph.D., Department of Physiology
 July 1, 1973 through June 30, 1974
 \$7,500.00
21. Research Grant
"Dielectric Studies of Heart Muscle Proteins." Study of the molecular mechanism whereby energy is made available by metabolism in heart muscle and is utilized for mechanical work during contraction.
 Robert M. Dowben, M.D., Department of Physiology
 July 1, 1973 through June 30, 1974
 \$7,040.00
22. Research Grant
"Myocardial Function in Acidosis." Study of the effect of intracellular acidosis and oxygen deprivation compared in terms of ventricular performance, biochemical reactions, and acid hydrolytic enzyme activity.
 Jesus A. Bianco, M.D., Department of Internal Medicine
 July 1, 1973 through June 30, 1974
 \$6,500.00
23. Research Grant
"Hormonal Control of Cardiac Proteolytic Enzymes." A continuation grant. An enzyme study.
 Kern Wildenthal, M.D., Ph.D., Department of Physiology
 July 1, 1973 through June 30, 1974
 \$5,720.00
24. Research Grant
"Regional Flow: Beta Blockade in Myocardial Aschemia." A drug study.
 George C. Curry, M.D., Department of Radiology
 July 1, 1973 through June 30, 1974
 \$6,500.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

American Heart Association
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766

25. Research Grant
"Hemo-dynamics of Acute Volume Loading." Study in the conscious dog of the mechanisms by which heart rate and stroke volume are augmented during acute volume loading.
Lawrence D. Horwitz, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$5,500.00
26. Research Grant
"Determinants of LV Shape After Aortic Regurgitation."
Study of left ventricular size and shape determinants.
Stephen J. Leshin, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$3,850.00
27. Research Grant
"Localization of CO With Intraaortic Counterpulsation."
A study to determine the effect on and the persistence of coronary circulation and cardiac output during and after counterpulsation.
John T. Watson, Ph.D., Department of Surgery
July 1, 1973 through June 30, 1974
\$5,000.00
28. Research Grant
"The Role of the Parasympathetics in Exercise." Study of the influence of parasympathetic innervation on the cardiovascular response to exercise in animals.
James M. Atkins, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$4,500.00
29. Research Grant
"Myosin Synthesis in Cultured Heart Cells." A study of mRNA in the formation of Myosin.
Arthur Peter Bollon, Ph.D., Department of Biochemistry
July 1, 1973 through June 30, 1974
\$5,500.00
30. Research Grant
"Paraprotein Immunoglobulins with Antibody Activity."
Study of monoclonal immunoglobulins.
Marvin J. Stone, M.D., Department of Internal Medicine
July 1, 197~~3~~³ through June 30, 197~~3~~⁴
\$4,500.00

Calbiochem
P. O. Box 12087
San Diego, California 92112

31. Research Grant
"Double-Blind Study of Azaribine in Psoriasis."
James H. Herndon, M.D., Department of Internal Medicine
\$2,000.00 additional support

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

Chemisch-pharmazeutische Fabrik
Germany

32. Research Grant
"Screening and Testing of New Pharmacologic Agents for Glucagon Suppressing Activity in Experimental Animals." Studies of glucagon in animals.
Roger H. Unger, M.D., Department of Internal Medicine
\$7,992.00

The Children's Development Center
3131 North Pearl
Dallas, Texas 75201

33. Award in the amount of \$4,000.00 for continued support of training in clinical psychology for a one-year period commencing September 1, 1973, under the direction of Maurice Korman, M.D., Department of Psychiatry.

CIBA-GEIGY
Summit, New Jersey 07901

34. Support in the amount of \$8,000.00 for diabetes research under the direction of Roger H. Unger, M.D., Department of Internal Medicine.
- * 35. Research Grant
"Protocol 15 - Evaluation of Cephacetrile Phase III Study."
Alan K. Pierce, M.D., Department of Internal Medicine
\$5,940.00 additional support

Eaton Laboratories
13-27 Eaton Avenue
Norwich, New York 13815

36. Support for the following programs:
(a) Urology Resident Fellowship in the amount of \$1,200.00 under the direction of Paul Peters, M.D., Department of Surgery,
(b) Summer Urology Fellowship in the amount of \$1,050.00 under the direction of Paul Peters, M.D., Department of Surgery, and
(c) Summer Plastic Surgery Fellowship in the amount of \$900.00 under the direction of K. E. Salyer, M.D., Department of Surgery.

Hillcrest Foundation, Trust Department
First National Bank in Dallas
P. O. Box 6031
Dallas, Texas 75222

37. Training Grant
Funds in the amount of \$40,000 to be used to support two cardiology trainees for two years beginning July 1, 1974 under the direction of Charles B. Mullins, M.D., Department of Internal Medicine.

* Original Award Letter Not Received

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

Hoechst Pharmaceuticals, Inc.
Route 202 206 North
Somerville, New Jersey 08876

38. Research Grant
"The Effect of 20mg Furosemide in Patients with Congestive Heart Failure." A drug study.
William Shapiro, M.D., Department of Internal Medicine
\$17,600.00
39. Research Grant
"Furosemide or Hydrochlorothiazide in Combination with Guanethidine in Treating Patients with Moderate to Severe Essential Hypertension." A drug study.
Norman M. Kaplan, M.D., and David C. Kem, M.D., Department of Internal Medicine.
\$21,780.00

Hoffmann-La Roche, Inc.
8 South Michigan Avenue
Chicago, Illinois 60603

40. Research Grant
"Drug R07-2588 in Chronic Chest Disease." Transfer of drug study and funds from Barnes Hospital, St. Louis, Missouri.
Paul Southern, Jr., M.D., Department of Pathology
\$6,734.83
41. Research Grant
"Sulfamethoxazole-Trimethoprim (BactrimTM) Combination Versus Ampicillin in the Treatment of Chronic Urinary Tract Infections." Transfer of drug study and funds from Barnes Hospital, St. Louis, Missouri.
Paul Southern, Jr., M.D., Department of Pathology
\$4,970.00
42. Research Grant
"The Diuretic Effect of Ro 10-6338 Versus Furosemide in Renal Edema (Double-Blind Crossover)." A drug study.
Martin G. White, M.D., Department of Internal Medicine
\$44,480.00

The Lilly Research Laboratories
Indianapolis, Indiana 46206

43. Research Grant No. 233/5295C/09
"Erythromycin vs Erythromycin and 3 Sulfa in the Treatment of Acute Otitis Media in Infants and Children." Comparative trail of two regimens in pediatric otitis media.
Jorge E. Howard, M.D., Department of Pediatrics
\$32,730.00

McNeil Laboratories, Inc.
Camp Hill Road
Fort Washington, Pa. 19034

44. Research Grant
"Aberel Study for Steroid-Induced Papular Acne." Study of a material designed to control acne.
James H. Herndon, Jr., M.D., Department of Internal Medicine
\$2,000.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

National Science Foundation
Washington, D.C. 20550

45. Research Grant GB-30775X2
"Studies on Inapparent and Latent Viral Infections: Studies on Temperature-Induced Alterations in Animal Viruses." A continuation grant.
Jonathan W. Uhr, M.D., Department of Microbiology
\$24,400.00

The Ohio State University Research Foundation
1314 Kenner Road
Columbus, Ohio 43212

46. Sub-Contract under Research Foundation Project No. 3494-A1; Modification #2
"Study of Toxic and Teratogenic Effects of GRAS Substances Injected into Chicken Embryo." Modification extends the period of performance to November 30, 1973 with no additional funds.
John A. Shaddock, D.V.M., Ph.D., Department of Comparative Pathology and Animal Resources Center

Phizer Laboratories Division
235 East 42nd Street
New York, N.Y. 10017

47. Research Grant
"Comparison of Doxycycline and Tetracycline and Their Possible Effect on Muscle Protein Synthesis." A drug study.
James P. Knochel, M.D., Department of Internal Medicine
\$32,857.00

The Proctor & Gamble Company
Miami Valley Laboratories
P. O. Box 39175
Cincinnati, Ohio 45239

48. Research Grant
"Effect of Disodium Etidoonate on the Urinary Activity Product and Formulation of Brushite in Chronic Stone Formers (IND 4771)." A continuation grant. A drug study.
Charles Y.C. Pak, M.D., Department of Internal Medicine
\$10,000.00

Sterling - Winthrop Research Institute
Rensselaer, New York 12144

49. Research Grant
"Research on Aspirin and Related Compounds."
Ivan Danhof, M.D., Department of Physiology
April 1, 1973 through March 31, 1974
\$20,000 additional support

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

DALLAS MEDICAL SCHOOL - continued

The University of Alabama in Birmingham
1919 Seventh Avenue South
Birmingham, Alabama 35233

50. Sub-Contract NIH-NIAID-72-2532-UAB whereby the University of Texas Southwestern Medical School agrees to furnish for the Board of Trustees of the University of Alabama data and materials for "A Collaborative Study of IDU and Ara-A in Herpesvirus hominis Infections" to be sent to the National Institute of Allergy and Infectious Diseases during the period June 20, 1973 through June 26, 1973, under the direction of James P. Luby, M.D., Department of Internal Medicine for remuneration in the amount of \$15,000.00.

The Upjohn Company
Kalamazoo, Michigan 49001

51. Research Grant
"Studies on the Use of Orinase."
Roger Unger, M.D., Department of Internal Medicine
\$2,500.00 additional support
52. Additional support in the amount of \$3,000.00 for long term metabolic studies in diabetes under the direction of Leonard L. Madison, M.D., Department of Internal Medicine.
53. Research Grant
Additional support for the evaluation of U-10,858, Protocol 703. A drug study.
William Pettinger, M.D., Department of Pharmacology
\$2,400.00

GRANTS, CONTRACTS AND AGREEMENTS (OTHER)DALLAS MEDICAL SCHOOL

* 54. Agreement whereby the Dallas Medical School will furnish the Dallas Independent School District one graduate student in psychology, two or more days a week, to serve as a psychoeducational consultant trainee during the period September 1, 1972 through August 31, 1973 for the sum of \$4,000.00 which shall be payable on a quarterly basis and under no circumstances shall exceed \$1,000.00 per quarter.

55. Agreement whereby the University of Texas Southwestern Medical School, Division of Psychology, will continue the contractual arrangement for Psychological Services with the Texas Scottish Rite Hospital for Crippled Children, Dallas, Texas, for the period October 1, 1973 through September 30, 1974 under the direction of Dr. Maurice Korman and Dr. Martin Gluck, Department of Psychiatry, for remuneration of \$4,000.00.

56. Contract whereby the University of Texas Southwestern Medical School agrees to furnish for the City of Dallas, Dallas County, Texas, tuberculosis clinic and control services including physicians' services whereby individuals may be screened for tuberculosis followed by either hospitalization or outpatient treatment as medically or epidemiologically indicated for remuneration in the amount of \$44,000.00 annually commencing July 1, 1973 payable on a quarterly basis with all necessary equipment furnished; contract shall automatically be renewed annually unless terminated by either party by giving a ninety-day notice in writing to the other party; services shall be directed by Waldemar G. Johanson, Jr., M.D., Department of Internal Medicine.

* Original Contract Not Received

D
4

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

FEDERAL CONTRACTS AND GRANTS

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

DALLAS ALLIED HEALTH SCIENCES SCHOOL

Department of Health, Education and Welfare
Public Health Service

1. Training Grant 44-P-30064/6-09
"Teaching Grant and Traineeships in Rehabilitation Medicine."
A continuation grant.
Phala A. Helm, M.D., Department of Physical Medicine and
Rehabilitation
July 1, 1973 through June 30, 1974
\$15,689.00
Dallas County
2. Training Grant 44-P-30159/6-02
"Work-Study Program in Rehabilitation in Counseling." A
continuation grant.
Donald A. Pool, Ph.D., Chairman, Department of Rehabilitation
Sciences
July 1, 1973 through June 30, 1974
\$19,955.00
Dallas County

Department of Health, Education and Welfare
Office of Education

- ** 3. Grant No. 848130
Award for the School of Allied Health Sciences student
financial aid programs as follows: Supplemental Education
Opportunity Grants Program - \$693.00, College Work-Study
Program - \$2,876.00, National Direct Student Loan Program -
\$13,127.00; administration of these funds will be under the
direction of John W. Schermerhorn, Ph.D., Dean, Dallas Allied
Health Sciences School, for the period July 1, 1973 through
June 30, 1974.

DALLAS MEDICAL SCHOOL

Department of Health, Education and Welfare
Office of Education

- * 4. Grant No. 848130
** "National Direct Student Loan Program."
Charles C. Sprague, President
July 1, 1973 through June 30, 1974
\$17,407.00
Dallas County
5. Grant 5 E03 PE00174-08
"Health Professions Capitation Grant Program."
F. Douglas Lawrason, Acting Dean
July 1, 1973 through June 30, 1974
\$1,018,584.00
Dallas County

* Original Award Letter Not Received
** Letter of Transmittal Not Received

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service

6. Research Grant 2 PO1 AM09989-08
"Immunologic and Other Aspects of the Rheumatic Diseases."
Study of etiology and pathogenesis of the connective tissue diseases.
September 1, 1972 through August 31, 1973
\$59,129.00
Dallas County
7. Research grant 5 RO1 AM02700-15
"The Glucoregulatory Peptide Hormones." Budget Revision.
Roger H. Unger, M.D., Department of Internal Medicine
January 1, 1973 through December 31, 1973
Reduction in budget from \$44,365.00 to \$38,846.00
Dallas County
8. Research grant 2 RO1 GM19090-02
"Mechanisms of Bioenergetic Reactions." A continuation grant.
Study of mitochondrial replications in yeast-energy transport mechanisms.
Ronald A. Butow, Ph.D., Department of Biochemistry
June 1, 1973 through May 31, 1974
\$26,011.00
Dallas County
9. Training Grant 5 TO1 AM05490-09
"Graduate Training in Gastroenterology and Liver Disease."
A continuation grant.
John S. Fordtran, M.D., Department of Internal Medicine
July 1, 1973 through June 30, 1974
\$88,149.00
Dallas County
10. Contract No. FDA 72-312, Modification No. 4
"Comparative Pharmacologic Evaluation of Antibiotic-Induced Adverse Drug Interaction." Modification to extend the expiration date to June 28, 1974.
H. R. Adams, Ph.D., D.V.M., Department of Pharmacology
\$91,652.00 additional funds
Dallas County
11. Training Grant 5 TO1 MH06777-16
"Clinical Psychology." A continuation grant. A program which emphasizes the broad professional preparation of clinical psychologists.
July 1, 1973 through June 30, 1974
\$18,950.00
Dallas County
12. Research Grant 5 RO1 AM03612-14
"Thyroid Function and Iodine Metabolism." Revised grant.
Alvin M. Taurog, Ph.D., Department of Pharmacology
December 1, 1972 through November 30, 1973
\$489.00 additional funds
Dallas County

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service

13. Training Grant 5 TO1 AM05154-15
"Training Grant in Basic and Clinical Immunology." Revised grant.
 Morris Ziff, M.D., Department of Internal Medicine
 July 1, 1972 through March 31, 1974
 No new funds involved
 Dallas County
14. Training Grant 2 TO1 AM05154-16
"Training in Basic and Clinical Immunology." Training grant in immunology in rheumatoid diseases.
 Morris Ziff, M.D., Department of Internal Medicine
 July 1, 1973 through June 30, 1974
 \$42,179.00
 Dallas County
15. Training Grant 5 TO1 CA05200-07
"Metabolism Training Grant." Training of post-doctoral types in research in metabolism, especially as related to malignancy.
 Marvin D. Siperstein, M.D., Department of Internal Medicine
 July 1, 1973 through June 30, 1974
 \$11,181.00
 Dallas County
- * 16. Research Grant 5 RO1 HL13625-04
"Radionuclide Study of Regional Myocardial Blood Flow." A continuation grant.
 Frederick J. Bonte, M.D., Department of Radiology
 June 1, 1973 through May 31, 1974
 \$32,969.00
 Dallas County
17. Training Grant 2 TO1 HL05812-06
"Cardiopulmonary Physiology and Pathophysiology." Graduate research training in cardiopulmonary physiology.
 Robert L. Johnson, Jr., M.D., Department of Internal Medicine
 July 1, 1973 through June 30, 1974
 \$174,384.00
 Dallas County
18. Training Grant 5 TO1 MH06528-17
"Psychiatry - Basic Residency." A continuation grant. Basic instruction at residency level.
 Asa W. DeLoach, M.D., Department of Psychiatry
 July 1, 1973 through June 30, 1974
 \$172,019.00
 Dallas County
19. Contract No. NIH-NHLI-72-2954-B (NO1-HL-2-2954-B) Modification No. 2
"Studies in Sickle Cell Disease." This supplemental agreement changes the expiration date from June 27, 1973 to June 27, 1974 and revises the total of the allowable cost so that it shall not exceed \$126,539.00 (\$51,539.00 additional funds).
 Michael R. Waterman, Ph.D. and G. Larry Cottam, Ph.D., Department of Biochemistry
 Dallas County

* Original Award Letter Not Received

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service

20. Contract No. NO1 CP 33362
"Studies on Polycyclic Hydrocarbon Metabolism in the Respiratory Tract." Basic studies of potential carcinogenic and pulmonary hydroxylating enzymes.
 R. W. Estabrook, Ph.D., Department of Biochemistry
 June 20, 1973 through December 19, 1974
 \$146,545.00
 Dallas County
21. Contract No. NO1-LM-3-4720
"Medical Illustration Services." Purpose is to develop and prepare teaching materials for the National Library of Medicine.
 William A. Osburn, M.M.A., Department of Medical Art and Visual Education
 June 1, 1973 through May 31, 1974
 \$13,955.00
 Dallas County
22. Research Grant 7 RO1 GM20947-01
"Structure and Function of B-Galactosidase from E Coli."
 Revised award period with an extension of the project period to May 31, 1975 with additional support recommended.
 Dobrivoje Marinkovic, Ph.D., Department of Pharmacology
 Dallas County
23. Training Grant 5 TO1 MH10856-07
"Child Psychiatry." A continuation grant.
 Asa W. DeLoach, M.D., Department of Psychiatry
 July 1, 1973 through June 30, 1974
 \$73,041.00
 Dallas County
24. Training Grant 5 TO1 AM05028-18
"Diabetes Renal and Metabolic Disorders."
 Donald W. Seldin, M.D., Department of Internal Medicine
 July 1, 1973 through June 30, 1974
 \$76,022.00
 Dallas County
25. Research Grant 3 P17 HL14187-03S1
"University of Texas Center for Lung Research in Dallas."
 A supplemental award.
 Sami Said, M.D., Department of Internal Medicine
 June 25, 1973 through November 30, 1973
 \$131,059.00
 Dallas County
26. Research Grant 1 RO1 HL15884-01
"Organ Distribution of CO with IA Counterpulsation." Study of distribution of circulation in animals by means of balloon counterpulsation.
 John T. Watson, Ph.D., Department of Surgery
 June 20, 1973 through May 31, 1974
 \$25,000.00
 Dallas County

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service

27. Training Grant 5 D08 PE00026-05
"Health Professions Special Project Grant Program."
Charles C. Sprague, M.D., President
July 1, 1973 through June 30, 1974
\$107,091.00
Dallas County

28. Research Grant 1 RO1 ES01028-01
"Role of Air Pollutants in Airborne Infection."
Paul M. Southern, Jr., M.D., Department of Pathology
June 29, 1973 through May 31, 1974
\$31,623.00
Dallas County

29. Research Grant 1 RO1 HD-07707-01
"Pediatric Parenteral Alimentation: Metabolic Studies." A
study of carbohydrate/protein regulation in infants.
Charles E. Mize, M.D., Ph.D., Department of Pediatrics
June 29, 1973 through May 31, 1974
\$36,724.00
Dallas County

30. Research Grant 5 RO1 CA11113-05
"Tumor Inhibitory Enzymes." A revised award.
Morton D. Prager, Ph.D., Department of Surgery
February 1, 1973 through January 31, 1974
\$4,473.00 additional funds
Dallas County

31. Research Grant 5 RO1 AM13757-16
"Splanchnic Hemodynamics and Splanchnic Metabolism." A
revised award.
Burton Combes, M.D., Department of Internal Medicine
December 1, 1972 through November 30, 1973
\$1,912.00 additional funds
Dallas County

32. Contract No. NIH-NHLI-72-2947 (NO1 HL-22947), Modification
No. 1
"Protecting Ischemic Myocardium Minimizing Infarct Size, and
Enhancing Myocardial Repair." This supplemental agreement
extends the project to June 27, 1974 with additional funds
in the amount of \$43,832.00.
J. T. Willerson, M.D., Department of Internal Medicine
Dallas County

33. Research Grant MCT-002000-07-0
"Diagnostic and Evaluation Center for M.R. Children."
Doman K. Keele, M.D., Department of Pediatrics
July 1, 1973 through June 30, 1974
\$223,329.00
Dallas County

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service

34. Research Grant 2 R01 CA13296-02
"Selective Activation of Pyrimidine Antimetabolites." A drug study.
Lon E. Rogers, M.D., Department of Pediatrics
June 30, 1973 through September 30, 1974
\$12,676.00
Dallas County
- * 35. Research Grant 5 R01 AM16188-02
"Role of Cysteine Residues in Hemoglobins A, F, and S." A continuation grant. Study of the basic chemistry of the structure of hemoglobin.
Michael R. Waterman, Ph.D., Department of Biochemistry
June 1, 1973 through May 31, 1974
\$15,460.00
Dallas County
36. Training Grant 5 T01 GM01733-07
"Surgery." Revised award.
George T. Shires, M.D., Department of Surgery
July 1, 1973 through June 30, 1974
\$8,424.00 additional funds
Dallas County
37. Contract No. HSM 21-72-543, Modification No. 3
"Statistically Valid Comparison of Ophthalmoscopy Teaching Methods." This supplemental agreement changes the expiration date from June 28, 1973 to September 1, 1973
John R. Lynn, M.D., Department of Ophthalmology
No additional funds involved
Dallas County
38. I.D. Number 1 7 53 9014 03 1
"Health Professions Scholarship and Health Professions Student Loan Programs."
Frank Cullum, Student Financial Aid Officer
Loan - July 1, 1973 through June 30, 1974 - \$162,540.00
Sch. - July 1, 1973 through June 30, 1975 - \$ 43,195.00
\$205,735.00
Dallas County
39. Career Award - Research Career Program 4 KO6 AM15276-11
"Biosynthesis and Mechanism of Action of Thyroxine." A continuation grant. Basic study of Thyroxine.
Alvin Taurog, M.D., Department of Pharmacology
July 1, 1973 through June 30, 1974
\$27,758.00
Dallas County
40. Research Grant 5 R01 GM19258-02
"Regulation of Gene Expression by Sex Hormones." A continuation grant. Study of sex hormones on genes.
Joseph L. Goldstein, M.D., Department of Internal Medicine
August 1, 1973 through July 31, 1974
\$34,000.00
Dallas County

* Original Award Letter Not Received

FEDERAL CONTRACTS AND GRANTS - continued

DALLAS MEDICAL SCHOOL - continued

Department of Health, Education and Welfare
Public Health Service

41. Training Grant 5 T01 CA05136-12
"Graduate Training in Radiation Biology and Radiological Physics."
A continuation grant.
Frederick J. Bonte, M.D., Department of Radiology
July 1, 1973 through June 30, 1974
\$37,047.00
Dallas County

Veterans Administration

42. Contract No. V549P-555 whereby the University of Texas Southwestern Medical School agrees to provide three FTE anesthesiologists to the Veterans Administration Hospital, Dallas, Texas, under the direction of M.T. Jenkins, M.D., Department of Anesthesiology, for an additional six-month period from July 1, 1973 through December 31, 1973 with the same terms and conditions as stated in the original contract.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

AMENDMENTS TO THE 1972-73 OPERATING BUDGET

BOARD OF REGENTS MEETING - SEPTEMBER 14, 1973

DALLAS HEALTH SCIENCE CENTEROffice of Business Affairs

1. Transfer funds in the amount of \$3,045.00 from Unallocated Classified Salaries to Office of Business Affairs Classified Salaries to provide additional funds for classified personnel. (RBC No. 344)

Office of the Business Manager

2. Transfer funds in the amount of \$3,249.99 from Unallocated Classified Salaries to Office of the Business Manager Administrative and Professional Salaries and appoint Frank Henry Cullum, Director of Student Financial Aid, effective June 1, 1973, at an annual salary rate of \$13,000 payable from Office of the Business Manager budget. (RBC No. 343)

Instructional Communications

3. Change the status of Fred L. Christen (non-tenure), effective May 1, 1973 as follows:

From: Director and Associate Professor of Instructional Communications at an annual salary rate of \$26,000 payable from USPHS 5 EO3 PE-00174

To: Associate Professor and Director of Instructional Communications and Acting Director of North Texas Regional Computer Center at an annual salary rate of \$28,000 payable \$26,000 from USPHS 5 EO3 PE-00174 and \$2,000 from North Texas Regional Computer Center Revolving Fund. (RBC No. 346)

Medical Computing Resources Center

4. Accept the resignation of Cliff W. Hemming, Jr. (non-tenure), Assistant Professor in Computer Science, effective June 11, 1973. Dr. Hemming is budgeted at an annual salary rate of \$17,000 payable \$9,500 from Medical Computing Resources center budget and \$7,500 from USPHS 5 P17 HE-14187. (RBC No. 332)

Library

5. Appoint John Alvin Murphey, Jr., Assistant Director of Regional Medical Library Program, effective June 1, 1973, at an annual salary rate of \$14,500 payable from NIH 71-4710. (RBC No. 354)

University Police

6. Transfer funds in the amount of \$900 from Unallocated Maintenance and Operation to University Police, Travel. These additional funds are needed to pay travel expenses for personnel who will be required to attend the Police Academy in Austin during this fiscal year. (RBC No. 347)

Kidney Transplantation Unit

7. Transfer funds in the amount of \$4,166.66 from Unallocated Classified Salaries to Kidney Transplantation Unit Administrative and Professional Salaries and appoint Dewey L. Long (non-tenure), Assistant Professor of Internal Medicine, effective July 1, 1973, at an annual salary rate of \$25,000 payable from Kidney Transplantation Unit budget. (RBC No. 383)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS HEALTH SCIENCE CENTER - continuedNorth Texas Regional Computer Center

8. Accept the resignation of Clair W. Goldsmith (non-tenure), Acting Director, North Texas Regional Computer Center, and Assistant Professor of Computer Science, effective June 25, 1973. Dr. Goldsmith is budgeted at an annual salary rate of \$18,000 payable from North Texas Regional Computer Center Revolving Fund budget. (RBC No. 331)

Various

9. Transfer funds in the amount of \$23,300 as follows:

From: Office of Personnel, Classified Salaries	\$ 9,000
Office of Accounting, Classified Salaries	5,000
Office of Central Data Processing, Classified Salaries	9,300
	<u>\$23,300</u>
To: Unallocated Maintenance and Operation (RBC No. 359)	<u>\$23,300</u>

10. Transfer funds in the amount of \$23,300 from Unallocated Maintenance and Operation to the following accounts to meet unanticipated operating requirements and to replace equipment:

To: Office of Business Affairs, Maintenance & Operation	\$ 2,800
Office of Business Affairs, Equipment	1,100
Office of the Business Manager, Equipment	700
Office of the Budget Officer, Maintenance & Operation	2,000
Office of the Budget Officer, Equipment	1,700
Office of Accounting, Maintenance & Operation	4,000
Office of Accounting, Equipment	3,800
Office of the Purchasing Agent, Maintenance & Operation	4,000
Office of the Purchasing Agent, Equipment	1,400
Receiving, Maintenance & Operation	600
Receiving, Equipment	1,200
(RBC No. 360)	<u>\$23,300</u>

DALLAS MEDICAL SCHOOLOffice of the Dean

1. Accept the resignation of F. Douglas Lawrason (tenure), Associate Dean for Academic Affairs, Dallas Medical School, and Professor of Internal Medicine, effective June 30, 1973. Dr. Lawrason is budgeted at an annual salary rate of \$42,600 payable \$37,600 from Office of the President budget and \$5,000 from Southwestern Medical Foundation. (RBC No. 377)

Anesthesiology

2. Accept the resignation of Vayden F. Stanley (non-tenure), Assistant Professor, effective June 15, 1973. Dr. Stanley is budgeted at an annual salary rate of \$25,000 payable from Scottish Rite Hospital. (RBC No. 330)

3. Reappoint Jonathan H. Williams (non-tenure), Visiting Assistant Professor, for the period June 1, 1973 thru July 2, 1973, at an annual salary rate of \$15,000 payable from Children's Medical Center. (RBC No. 337)

Biophysics

4. Transfer funds in the amount of \$1,808.61 from Unallocated Classified Salaries to Biophysics Classified Salaries to provide additional funds for classified personnel. (RBC No. 340)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET

DALLAS MEDICAL SCHOOL - continuedBiochemistry

5. Appoint John L. McCarthy (non-tenure), Visiting Professor, for the period June 11, 1973 thru August 10, 1973, at an annual salary rate of \$24,000 payable from USPHS 5 P11 GM-16488. (RBC No. 357)

6. Transfer funds in the amount of \$2,666.66 from Unallocated Faculty Salaries to Biochemistry Teaching Salaries and change the source of salary of Bettie Sue Masters (tenure), Associate Professor, effective July 1, 1973, as follows:

From: An annual salary rate of \$19,000 payable \$3,000 from Biochemistry budget and \$16,000 paid direct by American Heart Association

To: An annual salary rate of \$19,000 payable from Biochemistry budget. (RBC No. 368)

7. Appoint Brenda Walker Griffin (non-tenure), Instructor, effective May 1, 1973, at an annual salary rate of \$12,000 payable from USPHS 5 P11 GM-16488. (RBC No. 335)

8. Accept the resignation of Carolyn Walker (non-tenure), Teaching Assistant, effective June 30, 1973. Dr. Walker is budgeted at an annual salary rate of \$8,000 payable from Biochemistry budget. (RBC No. 373)

9. Transfer funds in the amount of \$2,500 from Unallocated Maintenance and Operation as follows: \$1,500 to Biochemistry, Maintenance and Operation and \$1,000 to Obstetrics and Gynecology, Maintenance and Operation to provide funds for unanticipated expenses of student teaching materials. (RBC No. 367)

Cell Biology

10. Transfer funds in the amount of \$166.66 from Unallocated Faculty Salaries to Dallas Allied Health Sciences School, Administration Teaching Salaries, and change the status of Grover C. Ericson (non-tenure), effective July 1, 1973, as follows:

From: Assistant Professor of Cell Biology at an annual salary rate of \$15,000 payable from Cell Biology budget

To: Assistant Professor of Cell Biology and Health Care Sciences at an annual salary rate of \$16,000 payable \$15,000 from Cell Biology budget and \$1,000 from Dallas Allied Health Sciences School, Administration budget. (RBC No. 356)

Internal Medicine

11. Change status of Sami I. Said (non-tenure), effective June 1, 1973, as follows:

From: Professor of Internal Medicine

To: Professor of Internal Medicine and Pharmacology, with no change in salary.

Dr. Said is budgeted at an annual salary rate of \$33,737 payable \$477 from Internal Medicine budget and \$33,260 paid direct by Dallas VA Hospital. (RBC No. 371)

12. Appoint Klaus H. Hierholzer (non-tenure), Visiting Professor, effective June 1, 1973, at an annual salary rate of \$19,200 payable from USPHS 2 P01 HL-11662. (RBC No. 352)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET

DALLAS MEDICAL SCHOOL - continuedInternal Medicine - continued

13. Transfer funds in the amount of \$3,833.34 from Unallocated Faculty Salaries to Internal Medicine Teaching Salaries and change the source of salary of Spencer Shropshire, Jr. (non-tenure), Assistant Professor of Internal Medicine and Director of Student Health Service, effective July 1, 1973, as follows:

From: An annual salary rate of \$23,000 payable from USPHS 5 D08 ME-00026

To: An annual salary rate of \$23,000 payable from Internal Medicine Budget. (RBC No. 376)

14. Appoint David Woodrow Bilheimer (non-tenure), Assistant Professor, effective July 1, 1973, at an annual salary rate of \$25,000 payable \$11,000 from Upjohn Education - Research Fund, \$4,000 from Damon Runyon Memorial Fund, and \$10,000 from USPHS 5 TO1 CA-05200. (RBC No. 364)

15. Change the status of Michael S. Brown (non-tenure), effective July 1, 1973, as follows:

From: Instructor at an annual salary rate of \$13,900 payable \$4,000 from USPHS 5 EO3 PE-00174 and \$9,900 from USPHS 5 TO1 AM-05490

To: Assistant Professor at an annual salary rate of \$24,000 payable \$4,000 from USPHS 5 EO3 PE-00174, \$10,000 from USPHS 5 TO1 AM-05490 and \$10,000 from Various Donors. (RBC No. 363)

16. Appoint Patrick C. Walsh (non-tenure), Visiting Assistant Professor of Internal Medicine and Surgery, effective July 1, 1973, at an annual salary rate of \$20,000 payable from USPHS 5 TO1 CA-05200. (RBC No. 372)

17. Change the status of Joseph D. Goldstrich (non-tenure), Instructor, effective July 1, 1973 as follows:

From: Instructor at an annual salary rate of \$23,424 paid direct by Dallas VA Hospital

To: Clinical Instructor, without salary. (RBC No. 333)

Microbiology

18. Transfer funds in the amount of \$4,833.34 from Unallocated Faculty Salaries to Microbiology Teaching Salaries and appoint John R. Kettman, Jr. (non-tenure), Assistant Professor, effective June 4, 1973, at an annual salary rate of \$20,000 payable from Microbiology budget. (RBC No. 351)

Neurology

19. Transfer funds in the amount of \$3,333.34 from Unallocated Faculty Salaries to Neurology Teaching Salaries and appoint Kenneth Allen Gaddis (non-tenure), Instructor, effective July 1, 1973, at an annual salary rate of \$20,000 payable from Neurology budget. (RBC No. 348)

Obstetrics and Gynecology

20. Transfer funds in the amount of \$3,666.66 from Unallocated Faculty Salaries to Obstetrics and Gynecology Teaching Salaries and appoint James D. Madden (non-tenure), Assistant Professor, effective July 1, 1973, at an annual salary rate of \$25,000 payable \$22,000 from Obstetrics and Gynecology budget and \$3,000 from USPHS 06-H-000-074. (RBC No. 382)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedOphthalmology

21. Accept the resignation of John R. Welch (non-tenure), Instructor, effective July 17, 1973. Dr. Welch is budgeted at an annual salary rate of \$20,000 payable from Ophthalmology budget. (RBC No. 379)

Pathology

22. Grant leave of absence without pay to Bruce D. Fallis (tenure), Professor, for the period August 2, 1973 thru August 13, 1973. Dr. Fallis is budgeted at an annual salary rate of \$32,000 payable \$29,000 from Pathology budget and \$3,000 from Parkland Memorial Hospital. (RBC No. 308)

23. Transfer funds in the amount of \$1,666.66 from Unallocated Faculty Salaries to Pathology Teaching Salaries and appoint Francis Donald McGovern, Jr. (non-tenure), Assistant Professor, effective July 1, 1973, at an annual salary rate of \$24,000 payable \$10,000 from Pathology budget and \$14,000 from Parkland Memorial Hospital. (RBC No. 329)

24. Accept the resignation of W. Thomas Sparrow (non-tenure), Assistant Professor, effective July 27, 1973. Dr. Sparrow is budgeted at an annual salary rate of \$24,000 payable \$20,000 from Pathology budget and \$4,000 from Parkland Memorial Hospital. (RBC No. 374)

25. Accept the resignation of Clifton R. Daniel (non-tenure), Instructor, effective July 13, 1973. Dr. Daniel is budgeted at an annual salary rate of \$13,500 payable from Pathology budget. (RBC No. 338)

26. Appoint Robert Earl Karper III (non-tenure), Instructor, effective July 1, 1973, at an annual salary rate of \$18,000 payable from Parkland Memorial Hospital. (RBC No. 355)

Pediatrics

27. Change the source of salary of John D. Nelson (tenure), Professor for the period June 1, 1973 thru July 13, 1973, as follows:

From: An annual salary rate of \$30,000 payable from Pediatrics budget

To: An annual salary rate of \$30,000 payable from American Medical Association Contract.

Dr. Nelson's salary source will revert to Pediatrics budget effective July 14, 1973. (RBC No. 345)

28. Transfer funds in the amount of \$3,833.32 from Unallocated Faculty Salaries as follows: \$3,666.66 to Pediatrics Teaching Salaries, and \$166.66 to Obstetrics and Gynecology Teaching Salaries and appoint Charles R. Rosenfeld (non-tenure), Assistant Professor of Pediatrics and Obstetrics and Gynecology, effective July 1, 1973, at an annual salary rate of \$23,000 payable \$22,000 from Pediatrics budget and \$1,000 from Obstetrics and Gynecology budget. (RBC No. 362)

29. Appoint Wanda Lee Dodson (non-tenure), Assistant Professor, effective June 1, 1973 at an annual salary rate of \$14,400 payable from American Medical Association Contract. Dr. Dodson will also receive a 25% overseas differential at an annual rate of \$3,600 payable from American Medical Association Contract. (RBC No. 353)

30. Appoint W. Pennock Laird (non-tenure), Assistant Professor, 70% time, effective July 1, 1973, at an annual salary rate of \$20,500 payable from the Departmental Trust Fund. (RBC No. 384)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedPediatrics - continued

31. Accept the resignation of Mary Logan (non-tenure), Instructor, effective May 31, 1973. Dr. Logan is budgeted at an annual salary rate of \$15,015 payable from USPHS 12 HS-328. (RBC No. 370)

Pharmacology

32. Transfer funds in the amount of \$9,462.41 from Unallocated Faculty Salaries to Pharmacology Teaching Salaries and appoint Ervin G. Erdoes (tenure), Professor of Pharmacology and Internal Medicine, effective May 15, 1973, at an annual salary rate of \$32,000 payable from Pharmacology budget. (RBC No. 322)

33. Transfer funds in the amount of \$3,999.99 from Unallocated Faculty Salaries to Pharmacology Teaching Salaries and appoint Dobrivoje Marinkovic (non-tenure), Assistant Professor, effective June 1, 1973, at an annual salary rate of \$16,000 payable from Pharmacology budget. (RBC No. 341)

34. Transfer funds in the amount of \$2,082.00 from Unallocated Classified Salaries to Pharmacology Classified Salaries to provide additional funds for classified personnel. (RBC No. 375)

Physiology

35. Accept the resignation of Raul Orias (non-tenure), Assistant Professor, effective July 31, 1973. Dr. Orias is budgeted at an annual salary rate of \$16,000 payable from Physiology budget. (RBC No. 365)

36. Transfer funds in the amount of \$3,291.63 from Unallocated Faculty Salaries to Physiology Teaching Salaries and appoint John Paul Reeves (non-tenure), Assistant Professor, effective June 12, 1973, at an annual salary rate of \$15,000 payable from Physiology budget. (RBC No. 361)

Psychiatry

37. Transfer funds in the amount of \$2,500 from Unallocated Faculty Salaries to Psychiatry Teaching Salaries and appoint V. Frank Cody (non-tenure), Instructor, effective July 1, 1973, at an annual salary rate of \$20,000 payable \$15,000 from Psychiatry budget and \$5,000 from USPHS 5 T01 MH-06528. (RBC No. 380)

38. Transfer funds in the amount of \$3,333.34 from Unallocated Faculty Salaries to Psychiatry Teaching Salaries and appoint R. Sanford Kiser (non-tenure), Instructor, effective July 1, 1973, at an annual salary rate of \$20,000 payable from Psychiatry budget. (RBC No. 334)

Radiology

39. Accept the resignation of F. Kathryn Edwards (non-tenure), Associate Professor, effective June 30, 1973. Dr. Edwards is budgeted at an annual salary rate of \$27,000 payable from Children's Medical Center. (RBC No. 350)

40. Accept the resignation of Valerie A. Sheehan (non-tenure), Assistant Professor, effective June 30, 1973. Dr. Sheehan is budgeted at an annual salary rate of \$25,000 payable \$5,000 from Parkland Memorial Hospital and \$20,000 from USPHS 1 A15 PE-00034. (RBC No. 336)

41. Appoint Kenneth W. Bull (non-tenure), Instructor, effective June 1, 1973, at an annual salary rate of \$13,500 payable from Parkland Memorial Hospital. (RBC No. 358)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS MEDICAL SCHOOL - continuedRadiology - continued

42. Appoint Robert C. Murry, Jr. (non-tenure), Instructor, effective July 1, 1973, at an annual salary rate of \$13,500 payable from Parkland Memorial Hospital. (RBC No. 339)

Surgery

43. Change the status of Henry M. Carder (non-tenure), effective July 1, 1973, as follows:

From: Assistant Professor of Otolaryngology at an annual salary rate of \$22,000 payable from Surgery budget

To: Associate Professor and Chairman of Division of Otolaryngology at an annual salary rate of \$32,000 payable \$22,000 from Surgery budget and \$10,000 from USPHS 5 TO1 NS-05600. (RBC No. 386)

44. Change the status of Jack P. Gunter (tenure), effective July 1, 1973, as follows:

From: Associate Professor and Chairman of Division of Otolaryngology

To: Associate Professor of Otolaryngology, with no change in salary.

Dr. Gunter is budgeted at an annual salary rate of \$27,000 payable from Surgery budget. (RBC No. 387)

45. Transfer funds in the amount of \$4,166.66 from Unallocated Faculty Salaries to Surgery Teaching Salaries and appoint Claude V. DeShazo (non-tenure), Assistant Professor, effective July 1, 1973, at an annual salary rate of \$25,000 payable from Surgery budget. (RBC No. 369)

46. Transfer funds in the amount of \$4,166.66 from Unallocated Faculty Salaries to Surgery Teaching Salaries and appoint David M. Heimbach (non-tenure), Assistant Professor, effective July 1, 1973, at an annual salary rate of \$25,000 payable from Surgery budget. (RBC No. 378)

47. Transfer funds in the amount of \$4,583.33 from Unallocated Faculty Salaries to Surgery Teaching Salaries and appoint Joel H. Horovitz (non-tenure), Assistant Professor, effective June 25, 1973, at an annual salary rate of \$25,000 from Surgery budget. (RBC No. 366)

48. Accept the resignation of Lewis M. Flint, Jr. (non-tenure), Research Instructor, effective June 30, 1973. Dr. Flint is budgeted at an annual salary rate of \$17,800 payable \$4,800 from Departmental Trust Fund and \$13,000 paid direct by an NIH Fellowship. (RBC No. 349)

Medical Art and Visual Education

49. Transfer funds in the amount of \$549.99 from Unallocated Faculty Salaries to Medical Art and Visual Education Teaching Salaries and change the status of William M. Wim (non-tenure), effective June 1, 1973, as follows:

From: Assistant Professor at an annual salary rate of \$14,700 payable from Medical Art and Visual Education budget

To: Assistant Professor and Vice-Chairman of Medical Art and Visual Education at an annual salary rate of \$16,900 payable from Medical Art and Visual Education budget. (RBC No. 342)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continued

DALLAS G.S.B.S.

1. Transfer funds in the amount of \$3,999.99 from Unallocated Faculty Salaries to Office of Graduate Studies Administrative and Professional Salaries and change the status of Ronald W. Estabrook (tenure), effective June 1, 1973, as follows:

From: Virginia Lazenby O'Hara Professor and Chairman at an annual salary rate of \$40,000 payable \$29,000 from Biochemistry budget, \$7,000 from Virginia Lazenby O'Hara Fund, and \$4,000 from Southwestern Medical Foundation

To: Dean, Dallas G.S.B.S., and Virginia Lazenby O'Hara Professor and Chairman of Biochemistry at an annual salary rate of \$42,500 payable \$15,500 from Biochemistry budget, \$16,000 from Office of Graduate Studies budget, \$7,000 from Virginia Lazenby O'Hara Fund and \$4,000 from Southwestern Medical Foundation. (RBC No. 321)

DALLAS SOUTHWESTERN MEDICAL SCHOOL BULLETIN

1. Please approve the attached 1973-1974 Dallas Southwestern Medical School Bulletin (Pages HD-27 through HD-128) which has been presented in its entirety due to major revisions.

DALLAS GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

1. Please approve the attached 1973-1974 Dallas Graduate School of Biomedical Sciences Bulletin (Pages HD-129 through HD-241) which has been presented in its entirety as the first bulletin published by the Graduate School.

M. F. Hill
M. Hill

SOUTHWESTERN MEDICAL SCHOOL
The University of Texas Health Science Center at Dallas
Bulletin for 1973-1974

5323 Harry Hines Boulevard, Dallas, Texas 75235

SOUTHWESTERN MEDICAL SCHOOL
 THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
 BULLETIN - 1973-1974

THE UNIVERSITY OF TEXAS SYSTEM BOARD OF REGENTS

Officers

A.G. McNeese, Jr., Chairman
 Dan C. Williams, Vice Chairman
 Betty Anne Thedford, Secretary

Members

Terms expire January 1975

Frank C. Erwin, Jr.	Austin
Jenkins Garrett	Fort Worth
Dan C. Williams	Dallas

Terms expire January 1977

Mrs. Lyndon B. Johnson	Stonewall
A.G. McNeese, Jr.	Houston
Joe T. Nelson, M.D.	Weatherford

Terms expire January 1979

James E. Bauerle, D.D.S.	San Antonio
Edward Clark	Austin
Allan Shivers	Austin

Standing Committees*

System Administration: Williams, Chairman
 Academic and Developmental Affairs: Mrs. Johnson, Chairman
 Buildings and Grounds: Erwin, Chairman
 Land and Investment: Garrett, Chairman
 Medical Affairs: Nelson, Chairman
 Board for Lease of University Lands: State Land Commissioner
 Bob Armstrong (ex officio), Chairman; Garrett, Vice
 Chairman; Williams

*All members of the Board constitute each committee.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

ADMINISTRATIVE OFFICERS

- Charles A. LeMaistre, B.A., M.D.
Chancellor, The University of Texas
System, Austin
- William H. Knisely, Ph.B., B.S., M.S., Ph.D.
Vice-Chancellor for Health Affairs, The
University of Texas System, Austin
- Charles C. Sprague, B.B.A., B.S., M.D.
President, The University of Texas
Health Science Center at Dallas
- Julius E. Weeks, B.S., L.L.B.
Vice-President for Business Affairs
The University of Texas Health Science
Center at Dallas
- Bill F. Jones, B.S., B.A., M.S.
Executive Assistant to the President,
The University of Texas Health Science
Center at Dallas
- Frederick J. Bonte, B.S., M.D.
Dean, Southwestern Medical School
- George J. Race, M.D., M.S., Ph.D.
Associate Dean for Continuing Education,
Southwestern Medical School
- Charles B. McCall, M.D.
Associate Dean for Clinical Programs and
Director of the Office of Grants Management
and Development, Southwestern Medical School
- Bryan Williams Jr., M.D.
Associate Dean for Student Affairs,
Southwestern Medical School
- J. Wesley Norred Jr., B.A.
Director of Student Services, The University
of Texas Health Science Center at Dallas
- Anne Rucker, B.A.
Registrar, The University of Texas Health
Science Center at Dallas
- Robert G. Fenley
Director of Medical Information, The
University of Texas Health Science Center
at Dallas
- Johnnie L. Reynolds, B.S.
Director of Personnel, The University of
Texas Health Science Center at Dallas
- Fred L. Christen, M.A., Ph.D.
Director of Instructional Communications,
The University of Texas Health Science
Center at Dallas
- Donald D. Hendricks, A.B., A.M.I.S., Ph.D.
Director of the Library and South Central
Regional Medical Library Program, The
University of Texas Health Science Center
at Dallas
- Hollis R. Smith, B.B.A.
Business Manager, The University of Texas
Health Science Center at Dallas
- James F. Cooper
Director of Physical Plant, The University
of Texas Health Science Center at Dallas

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

MEDICAL STUDENT CALENDAR 1973-1974

1973

June-August	Senior Summer Electives for 1973-74
June 18-August 31	Senior Surgery Summer Block for 1973-74
June 18-August 17	Junior Obstetrics-Gyn. Summer Block for 1973-74
August 27	Registration for Juniors 8 a.m.; 1st Quarter starts 1 p.m.
September 3	Labor Day Holiday
September 4	Seniors & Sophomores register 8:30-11 a.m.; both start classes 1 p.m. Freshman Dallas Day 10:00 a.m.-3 p.m.
September 4-30	Senior 1st month
September 5	Freshmen register 8-11 a.m.; Orientation 1 p.m.
September 6	Freshman classes start 8 a.m.
September 28	Sophomore Phase I ends
October 1	Sophomore Phase II begins
October 1-28	Senior 2nd month
October 28-29	Junior 1st Quarter ends; 2nd begins
October 29- November 21	Senior 3rd month; assign- ments end 5 p.m.; 1st 3- month term ends
November 9-12	Sophomore Phase II ends; III begins
November 21-26	Thanksgiving Holidays begin 5 p.m. all classes resume 8 a.m.
November 26- December 2	Senior Fall Recess
December 14	Freshman Phase I ends
December 3-21	Senior 2nd term begins; 4th month ends 5 p.m.
December 17	Freshman Phase II begins

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

MEDICAL STUDENT CALENDAR 1973-1974 Cont'd

December 21	Winter holidays begin 5 p.m., all classes
1974	
January 7	All classes resume 8 a.m.
January 7- February 3	Senior 5th month
January 13	Junior 2nd Quarter ends
January 14-20	Junior review and examinations
January 21	Junior 3rd Quarter begins
February 4- March 3	Senior 6th month; 2nd term ends
February 8-11	Freshman Phase II ends; III begins
February 15-18	Sophomore Phase III ends; IV begins
March 4-24	Senior 3rd term begins; 7th month
March 25	Senior 8th month begins
March 25-31	Junior Spring Vacation
April 1	Junior 4th Quarter begins 8 a.m.
April 8-15	Senior Spring Vacation
April 16-17	Senior National Board Exam, Part II
April 13-22	Spring vacation for Freshmen & Sophomores; classes resume 8 a.m.
April 18-28	Senior classes resume; 8th month ends
April 29	Senior 9th month begins
May 10-13	Freshman Phase III ends; IV begins
May 24	Senior 9th month and assignments end 5 p.m.; Sophomore Phase IV ends
May 27-31	Sophomore last course examinations
May 27	Graduation Exercises 8 p.m.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

MEDICAL STUDENT CALENDAR 1973-1974 Cont'd

May 31	Freshman year ends
June 2	Junior assignments end
June 3-7	Junior review and exams; year ends
June 11-12	National Board Exam, Part I required for Sophomores; year ends
June 10-12	Texas State Medical Board Exams (optional)
June 17- August 30	Summer Term Juniors & Seniors

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

The information in this bulletin is as accurate as was possible to attain at the time of publication. The provisions are subject to change without notice and do not constitute an irrevocable contract between any applicant for admission or student and Southwestern Medical School of The University of Texas Health Science Center at Dallas. The School is not responsible for any misrepresentation of its requirements or provisions that might arise as a result of errors in the preparation of this bulletin.

It is the policy of Southwestern Medical School to ensure equal employment opportunity to all individuals in a positive program of non-discrimination in all areas of employment--recruitment, hiring, training, assignment, promotion, use of facilities and privileges without regard to race, sex, creed, color, age or national origin--and to assure that qualified applicants will be employed. All employees are judged by the same standards of job performance and qualifications regardless of sex, race, color, age, creed or national origin.

The School gives careful consideration to all available information about each applicant for admission and accepts those who are best qualified without regard to race, color, sex, creed or national origin.

TABLE OF CONTENTSGENERAL INFORMATION

The University of Texas Health Science
Center at Dallas
Expansion and Growth
Southwestern Medical School
Medical Faculty
Purpose
Facilities and Services
Buildings
The Florence Bioinformation Center
Medical Computing Resources Center
Animal Resources Center
Student Health Service
Affiliated Institutions
Special Gifts, Professorships and Lectureships

STUDENT INFORMATION

Admission to the Medical Curriculum
Requirements
Residence
Other Considerations
Specific Courses
General Recommendations
Transfers From Other Medical Schools
Application Procedure
Expenses
Fees and Deposits
Registration and Tuition Fee
Property Deposit
Visitor's Fee
Laboratory Fee
Hospitalization
Student Health Service Fee
National Board Examinations
Student Union Fee
Refund of the Registration and Tuition Fee
Exemption of Ex-Servicemen
Payment of Fees for Handicapped Students
Other Expenses
Microscopes
Books and Equipment
Living Arrangements
Campus Parking
Financial Aid
Loan Funds
Scholarships, Fellowships and Special Funds
Merit Scholarships
Alumni Association Scholarships
John P. Sheehan Memorial Fund
The St. Paul General Practice Scholarship
Other Scholarships and Fellowships
Organizations
Student American Medical Association
Alpha Omega Alpha
Sigma Xi
Christian Medical Society
The Alumni Association

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

TABLE OF CONTENTS Cont'd

Awards

- The Ho Din
- Dallas-Fort Worth Obstetric-Gynecology Society Award

THE MEDICAL CURRICULUM

Degree of Doctor of Medicine

- Course of Study
- Special Students
- The Honor System
- Grades and Promotions
- Dropped or Incomplete Course Work
- Outside Work
- Withdrawal
- Medical Studies in Other Schools
- Transcripts
- Board Examinations
- Combined Medical and Graduate Programs
- Schedule of Courses, Hours, Units for Each Year

First-Year Medicine

- Medical Biochemistry
- Biology of Cells and Tissues
- Human Genetics
- Immunology
- Psychiatry
- Gross Anatomy
- Medical Physiology
- Neurobiology
- Endocrinology and Human Reproduction

Second-Year Medicine

- Introduction to Disease
- Medical Microbiology
- Anatomic and Clinical Pathology
- Pharmacology
- Psychiatry

Third-Year Medicine

- Internal Medicine: Clerkship and Lectures
 - Inpatient Clerkship
 - Medicine Lecture Series
- Obstetrics and Gynecology: Clerkship and Lectures
- Pediatrics
 - Hospital Wards
 - Outpatient Clinic

Fourth-Year Medicine

- Surgery: Clerkship and Lectures
- Psychiatry Clerkship
- Electives
 - Anesthesiology
 - Internal Medicine
 - Medical Computer Science
 - Neurology
 - Pathology
 - Pediatrics
 - Pharmacology
 - Physical Medicine and Rehabilitation
 - Psychiatry
 - Radiology
 - Surgery
 - Oncology

The Continuing Education Program

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

TABLE OF CONTENTS Cont'd

Post-Doctoral Fellowships

THE MEDICAL FACULTY

Anesthesiology
 Biochemistry
 Cell Biology
 Community Medicine & Environmental Health
 Internal Medicine
 Dermatology
 Medical Genetics
 Preventive Medicine & Public Health
 Microbiology
 Neurology
 Obstetrics and Gynecology
 Ophthalmology
 Pathology
 Pediatrics
 Pharmacology
 Physical Medicine & Rehabilitation
 Vocational Rehabilitation
 Physiology
 Psychiatry
 Psychology
 Radiology
 Surgery
 Colon and Rectal Surgery
 Neurosurgery
 Oral Surgery
 Orthopedic Surgery
 Otolaryngology
 Pediatric Surgery
 Plastic Surgery
 Thoracic & Cardiovascular Surgery
 Urology
 Animal Resources Center
 Instructional Communications
 Audiovisual and Television Services
 Medical Illustration Services
 Library
 Medical Computing Resources Center
 Student Health Service

DEGREES CONFERRED, 1973STATISTICAL SUMMARIESAPPENDIX

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATIONTHE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

Since its formation in makeshift quarters in 1943, Southwestern Medical School has grown from a small wartime medical college into The University of Texas Health Science Center at Dallas, a multi-faceted academic institution of nationally recognized excellence in the education of physicians, medical scientists and health-care personnel. The Center's faculty has achieved eminence for its teaching programs and research, and its students have placed consistently at the top of national rankings.

Under the leadership of the late Dr. Edward H. Cary, a group of prominent Dallasites organized Southwestern Medical Foundation in 1939 to promote medical education and research in Dallas and the region. When Baylor University elected to move its school of medicine from Dallas to Houston, the Foundation formally founded Southwestern Medical College as the 68th medical school in the United States. Despite problems of wartime shortages, the school began classes on July 1, 1943, with some former Baylor faculty and students who stayed in Dallas. Borrowing equipment and using public school classrooms, Southwestern managed to grant Doctor of Medicine degrees nine months later to its first 61 graduates. The School's first "permanent" home was in pre-fabricated shacks behind old Parkland Hospital on Dallas' Maple Avenue.

When a new state medical school was proposed after World War II, leaders of Southwestern Medical Foundation offered the college's equipment, library and certain restricted funds to The University of Texas, provided the University would locate its new medical branch in Dallas. The Board of Regents accepted this offer by the Foundation and in 1949 the college became Southwestern Medical School of The University of Texas. In 1954 the name was changed to The University of Texas Southwestern Medical School at Dallas. The present campus site was occupied in 1955 with completion of E.H. Cary Hall, adjacent to Dallas' new Parkland Memorial Hospital on Harry Hines Blvd.

Expansion and Growth

In November, 1972, the name and scope of the medical school was changed with its reorganization into The University of Texas Health Science Center at Dallas--made up of Southwestern Medical School, the Graduate School of Biomedical Sciences and the School of Allied Health Sciences. Approval by the Board of Regents of the concept of a Health Science Center gave recognition to the presence of a diversified educational and research program to provide a spectrum of well-prepared medical practitioners, biomedical scientists and health-care professionals, and prepared for the continued growth of the separate medical, graduate and undergraduate components.

The Health Science Center presently is in the midst of a dramatic expansion of its physical facilities. In

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

a little over a year, improvements valued at more than \$40 million will be completed on the scenic Northwest Dallas campus to accommodate doubling of annual enrolling medical classes from 105 to 200, as well as help provide for commensurate growth of the graduate and allied health sciences programs.

The expansion program and creation of the Health Science Center represents major strides toward realization of goals set earlier by President Charles C. Sprague for the institution to become a broad-gauged interdisciplinary life sciences campus embracing a medley of medical and scientific expertise, interacting creatively on problems bearing on the health and well-being of man.

SOUTHWESTERN MEDICAL SCHOOL

As expansion of physical facilities proceeds toward completion, Southwestern Medical School is accelerating its programs of teaching and research while maintaining the excellence of these programs for which the school has become nationally known.

Southwestern Medical School enrolled 150 first-year students for Fall, 1973, moving within sight of its ultimate enrollment goal. The following year, 200 new students are due to be admitted, thus bringing the school's annual entering classes to the level set when the current Phase One expansion program was planned. By Fall, 1978, the full enrollment capacity of 800 medical students is scheduled to be reached.

By Fall of 1974 all Phase One building projects are due to be finished, providing the medical school a new physical setting of spectacular beauty and functionality. Financed by federal, state and private funds, these new structures include the Florence Bioinformation Center, to house a 200,000-volume library, computer and instructional communications facilities; a Basic Sciences teaching building; a 1,200-seat auditorium and cafeteria; a 12-story academic-administration building, and an interconnecting elevated plaza containing four large lecture halls. Other recent additions include a new Basic Sciences Research Building, Ophthalmology Building and addition to Cary Basic Sciences Hall. Scheduled for early construction is an elevated parking structure, and later, in Phase Two of the expansion program, a new clinical science building--animal facility will be built. Simultaneously with medical school construction, an expansion of Parkland Memorial Hospital is being completed to bring bed capacity to almost 900 and add to service areas.

Medical Faculty

The faculty of Southwestern Medical School has assumed a position of leadership among the nation's eminent medical societies and publications. Twenty full-time faculty members head or have headed national professional societies or organizations in the past seven years. Thirty full-time faculty members are or have been chairmen of

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

important national and international medical committees in that time. And, as a third indicator of professional stature, 13 faculty members are either editors or members of editorial boards of important medical and scientific journals.

Excellence of faculty-conducted research is reflected in the large number of publications by teaching staff members in professional journals. And the high degree of teaching effectiveness is demonstrated in the continuing academic attainments of Southwestern's students, who consistently place at or near the top rank in national competitive examinations.

PURPOSE

The purpose of the teaching program at Southwestern is to produce physicians who will be inspired to maintain lifelong medical scholarship and who will apply the knowledge gained in a responsible and sympathetic way to the care of patients.

The faculty and staff at Southwestern are keenly aware of the responsibility of the institution to serve the people not only in producing physicians of excellence and humanity, but to acquire new knowledge as well. By far the majority of Southwestern graduates will eventually practice medicine. However, for those students wishing to have a career in teaching and research, opportunities are provided to develop these interests.

In designing the curriculum there have been no fixed preset career goals set for the individual students other than the encouragement of excellence in academic pursuits and development of compassion in the care of the sick. The teaching sequence designed to provide opportunity for the student to find himself within the various medical disciplines--where his talents and interests lie--and to develop these talents and interests to the fullest extent. The curriculum is in review in continuum by a committee composed of faculty members appointed by the dean and student representatives selected from each class.

FACILITIES AND SERVICESBuildings

Classrooms, student laboratories, faculty offices and research facilities, administrative and business offices are provided in a modern educational plant now undergoing extensive expansion.

The Edward H. Cary Basic Science Hall, which was the school's first permanent building, is the primary academic "home" for first and second-year medical students. Containing 104,238 gross square feet on

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

five levels, it will become part of clinical department facilities upon completion of the new Basic Sciences Teaching Building.

The nine-level Karl Hoblitzelle Clinical Science Center houses departmental facilities for Radiology, Microbiology, Internal Medicine, Pediatrics, Obstetrics and Gynecology, Surgery, Medical Illustration Services, Student Health Center and animal quarters. The building contains 120,978 gross square feet.

The Dan Danciger Research Center, with 94,645 gross square feet on nine levels, connects the medical school plant with Parkland Memorial Hospital. Danciger contains Cardiopulmonary laboratories and other facilities of Internal Medicine, as well as other departments including Surgery, Pediatrics, Anesthesiology, Psychiatry, Pathology and Physical Medicine and Rehabilitation, and the Bioengineering Laboratory.

The \$7.3 million, five-level Basic Sciences Research Center, the first major project of the Medical School's Phase One expansion program, is occupied by the Departments of Biochemistry, Pharmacology, Physiology and Cell Biology.

The Skillern Student Union, with 8,144 square feet, provides lounge and recreation space for the entertainment and relaxation of students in modern surroundings. Offices of the Registrar, Student Affairs and Alumni Affairs also are housed there pending completion of the academic-administration building.

The Florence Bioinformation Center

The Florence Bioinformation Center, created to bring together units dealing primarily with information and its utilization, includes the Library, the Office of Instructional Communications and the Medical Computing Resources Center.

The Library, organized in 1943 when Southwestern Medical School was founded, now contains more than 200,000 volumes. Around 2,500 serials and journals are currently received, and between 8,000 and 9,000 new books and bound journals are being added to the collection each year. The Library has a growing collection of slides, audiotapes and films, and cooperates with the Office of Instructional Communications to provide the best materials and equipment. Trained personnel provide searches of the computer data bases provided by the National Library of Medicine. The Library is now located in the Cary building, but will move to the Florence Bioinformation Center when it is completed in 1974.

The Library has taken its place in regional and national cooperative and communications networks in order to speed interlibrary loan service to patrons

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

and to facilitate the exchange of information within the larger health science community. Courtesy cards, enabling students to obtain materials from area colleges and universities, are available from the Library administration office.

The Office of Instructional Communications is a rapidly developing unit whose goal is increased effectiveness of health science education. This unit includes medical illustration, television and audiovisual services. It produces programmed learning materials and also plans and researches computer-assisted instruction; it designs, selects and tests instructional equipment. It maintains television facilities by which closed-circuit presentations are made throughout the Health Science Center and its affiliated hospitals, and which are also linked to the TAGER television network. This network provides major universities and industries in the North Texas area with regularly scheduled graduate lectures and courses. Production and administration are also provided for the Dallas Area Hospital Television System which conducts daily television programming to meet the training needs of its member hospitals.

The medical illustration section produces a wide array of audiovisual materials. It functions both as a service department for research and education, and as an instructional department in teaching techniques of audiovisual production and display to special students. It provides drawings and paintings of medical procedures and subjects, produces graphic design for all media, provides a broad range of photographic services including still, microscopic, and motion picture films, three-dimensional models and sculptures, along with preparation of exhibits and displays.

Medical Computing Resources Center

The facilities and personnel of the Medical Computing Resources Center (MCRC) provide consultation and service in the areas of scientific applications, real-time laboratory support, operations research and data base management systems, computer-assisted instruction, clinical information systems, text processing and computer graphics. In addition to consultation in computer services, the Center provides systems analysis, programming, and data entry.

Available computing facilities include the North Texas Regional Computer Center (NTRCC) with its IBM 370/155 computer (1 megabyte) and the Medical Computing Resources Center installation. The MCRC has a Digital Equipment Corporation DECSYSTEM-10 computer which acts as a remote-job-entry terminal to the NTRCC, provides for interactive on-line clinical information systems and, with a PDP-11/45 associated computer, provides a central facility for real-time computing activities. Both the IBM 370/155 and the DECSYSTEM-10 computers provide for support of interactive hard copy and cathode-ray-tube displays.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

The MCRC is the major laboratory for the Department of Medical Computer Science. For courses relative to medical computer science and information systems, see the listing for the Department of Medical Computer Science.

Animal Resources Center

The Animal Resources Center (ARC) is responsible for the production, procurement, conditioning, and maintenance of experimental animals, and the health status of these animals throughout the institution. In addition, the ARC provides experimental surgery facilities to support animal research programs.

Faculty and staff are available for consultation and guidance in the selection of animal models for research and teaching and for the sources of specific species and strains.

The ARC is developing courses concerned with experimental techniques, experimental surgical procedures and biological characteristics of laboratory animals and animal models for biomedical research.

Student Health Service

The Student Health Service is established to maintain and promote health among the students of The University of Texas Health Science Center at Dallas.

The benefits of the Health Service, as specified below, become available to students as soon as they have paid their fees to the Business Office and terminate at midnight of the day ending academic session or course, except as provided in the insurance for patients in the hospital on the last day of the session. The benefits of the Student Health Service automatically terminate with the student's withdrawal from school.

Before entering school the student must submit an immunization record specifically including evidence of diphtheria-tetanus and smallpox immunization within the previous ten years, and completion of oral polio vaccine series.

The following services are rendered by the Student Health Service:

1. Every student will be given an examination by members of the staff upon entering medical school.
2. Student Health Service physicians may be consulted during office hours, Monday through Friday from 12-1 p.m. Consultation with other members of the medical staff will be arranged when necessary, or when desired by the student.
3. In case of an emergency:
Emergencies during office hours: Report to the Health Service where care will be provided.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

Emergencies after office hours: Report to the Emergency Room at Parkland Memorial Hospital and be sure to identify yourself as a medical student.

4. Hospitalization will be provided through the purchase by the school for the student of a membership in a special students' group in Blue Cross Blue Shield Varsity Plan. This membership provides semi-private room service in participating hospitals upon approval by Health Service Director. The additional cost of private-room care will be paid individually by the student unless private-room care is ordered by the Health Service.

5. Certain clinical laboratory and other diagnostic pathological examinations will be furnished. They must be approved by Health Service and stamped as such, prior to being done. Failure to receive prior approval will result in the student being liable for ALL charges incurred.

6. Diagnostic X-ray examination will be furnished.

7. All students will be given tuberculin tests each year.

8. Necessary drugs will be furnished without cost to the student when prescribed by a member of the Health Service staff.

The Health Service keeps medical histories and records of all students. Requests for information concerning the physical condition of any student should be addressed to the Director of Student Health Service.

Affiliated Institutions

The excellence of the clinical services at Southwestern is made possible by affiliation with a number of health facilities of quality:

Dallas County Hospital District

The two units of the Dallas County Hospital District, Parkland Memorial Hospital and Woodlawn Hospital, constitute the major teaching units of the medical school. These two hospitals (with over 1,000 beds) offer a variety of clinical services ranging from an out patient clinic to an extremely active emergency service providing an abundance of clinical material available for teaching purposes. Parkland Hospital is contiguous with the medical school, each clinical service at the hospital being on the same floor level with the corresponding service at the medical school providing for a free flow of students and staff between the two institutions.

The internship and residency program is a widely respected and sought after training program which is organized and strongly supported by the medical school. The interns and residents, in turn, serve

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

the medical school and its students with a major teaching function on the wards and in the clinics of the hospital. The quality of the house staff at Parkland and indeed, of all of the affiliated hospitals, is a real strength of the medical school.

Children's Medical Center of Dallas adjoins Parkland Hospital and is a voluntary hospital with 122 beds and a large outpatient clinic serving children and adolescents. The chairman of the Department of Pediatrics at Southwestern serves as the Chief of the Center and coordinates the training program for students and the resident staff.

The Southwestern Institute of Forensic Science is also on the medical center campus and serves as the base for the teaching effort in forensic medicine. It is comprised of the Dallas County Criminal Investigation Laboratory of the Office of the County Medical Examiner.

Baylor University Medical Center is comprised of a general hospital of some 1,125 beds and is the largest of the medical school's affiliated hospitals. The center just east of downtown Dallas possesses sophisticated diagnostic capabilities in both laboratory and X-ray facilities. It has an active teaching program at the house staff and medical student level supported by a number of full-time staff members who are also on the medical school faculty. It is home of the A. Webb Roberts Center for Continuing Education in the Health Sciences, which is operated cooperatively by Baylor and Southwestern under the medical school's continuing education program.

The Dallas Veterans Administration Hospital is another valuable medical school affiliation. It is a general hospital with more than 800 beds and a full range of clinical facilities which are available to the undergraduate and graduate teaching programs. These include medical and surgical services in all major specialty areas, with all training under the direction of the Dean's Committee and supervised by a large fulltime staff augmented by consultants.

Presbyterian Hospital of Dallas with some 500 beds is a new teaching hospital of the medical school. The various clinical services of this hospital are related to the corresponding departments of the medical school.

Methodist Hospital of Dallas supports a cardiopulmonary institute which is operated by faculty members of Southwestern and serves as a training facility for senior students. Various other services of the hospital have teaching connections with the medical school as well.

St. Paul Hospital is a large general hospital with teaching affiliations between the medicine, surgical and obstetric departments.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

John Peter Smith Hospital, a component of the Tarrant County Hospital District, is a site of a new three-year residency training program in Family Practice. This specialty prepares the physician to take care of the medical needs of entire family units, from infants to the aged, and to be able to detect early signs of diseases which should have referral to specialists. A \$120,000 Family Practice Clinic is to be built on adjoining hospital property.

Other health facilities associated with the medical school are the Timberlawn Psychiatric Hospital, the Terrell State Hospital, the Dallas Rehabilitation Institute and the Dallas Child Guidance Clinic as well as the East Texas Chest Hospital.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'dSPECIAL GIFTS, PROFESSORSHIPS AND LECTURESHIPS

The Eugene McDermott Center for Human Growth and Development. A gift by Eugene McDermott has made possible establishment of a Center for Human Growth and Development, including an academic chair, to study the role and structure and function of the human body, with particular emphasis on their relationship to growth and development.

The William Buchanan Professorship in Pediatrics. Southwestern Medical School's first endowed chair was established July 1, 1961, designated as the William Buchanan Professorship in Pediatrics. It honors the memory of the late William Buchanan, and was made possible by an endowment from the Buchanan Foundation of Texas, Texas. The chair is held by Dr. Heinz Eichenwald, chairman of pediatrics.

The Margaret Milam McDermott Chair in Anesthesiology. A gift from Mr. and Mrs. Eugene McDermott to Southwestern Medical Foundation in 1966 enabled establishment of this chair. The first Margaret Milam McDermott Professor of Anesthesiology is Dr. Marion T. Jenkins, chairman of anesthesiology.

The Texas Scottish Rite Professorships. Two Texas Scottish Rite Professorships are made available by the Texas Scottish Rite Hospital for Crippled Children in Dallas. The W.B. Carrell Professor of Orthopedics is Dr. Charles F. Gregory, chairman of orthopedic surgery. The Scottish Rite Professor of Neurology is Dr. David Daly, professor of neurology.

The Gillette Professorship in Obstetrics and Gynecology. Made possible by a gift from Mr. and Mrs. W. Everett DuPuy of Houston and the Fred G. Gillette or Maggie R. Gillette Foundation of Houston, this endowed professorship is held by Dr. Jack Pritchard, professor of obstetrics and gynecology.

The Emma Freeman Professorship for Irradiation Research. This chair is made possible by a gift from the Texas Division of the American Cancer Society. The current Emma Freeman Professor for Irradiation Research is Dr. Mary Esther Gauden, associate professor of radiology.

The Virginia Lazenby O'Hara Professorship in Biochemistry. This professorship for advancement of teaching and research and biochemistry was made possible by a trust fund established with Southwestern Medical Foundation by Mrs. Virginia Lazenby O'Hara. Holder of the chair is Dr. Ronald Estabrook, dean of the Graduate School of Biomedical Sciences and chairman of biochemistry at Southwestern Medical School.

The J.B. Shel mire Professorship in Dermatology. This professorship was made possible by gifts from Miss

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

Olive Shelmire, Mrs. May Shelmire Duncan, Mrs. Nemo Shelmire Wynne and Dr. Bedford Shelmire in memory of their father, Dr. J.B. Shelmire, a longtime member of the medical school's clinical faculty. First holder of the chair is Dr. James H. Herndon, chairman of dermatology.

The William Buchanan Professorship in Internal Medicine. This chair was established by funds from the Buchanan Foundation of Texarkana, Texas and is held by Dr. Donald W. Seldin, professor and chairman of internal medicine.

The Mr. and Mrs. I.G. Bromberg Memorial Visiting Professorship. Established by a gift from Mrs. Essie Bromberg Joseph and Miss Mina Bromberg, this visiting professorship in the Department of Internal Medicine enables inviting an outstanding physician to the campus to lecture, conduct seminars and rounds one week each year.

The Gifford-Hill Memorial Lectureship in Medicine. A grant to the Department of Internal Medicine from the Gifford-Hill companies to bring an outstanding physician to the medical school for one week annually to conduct lectures, rounds and seminars on medical specialties.

The Winans Professorship in Medicine. A gift honoring the late Dr. Henry M. Winans, a longtime medical school faculty member, to Southwestern Medical Foundation underwrites an annual one-week visit by a distinguished physician to participate in teaching and research programs of the school.

S.Z. Levine Visiting Lectureship. A contribution from the Foundation for International Child Health, Inc. makes possible an annual lectureship at the school by an outstanding teacher in pediatrics on international child health.

The Vera and Forrest Lumpkin Surgical Memorial Lectureship. A gift from Mrs. Vera Park Lumpkin provides for an annual visit by a distinguished scientist to participate in the teaching and research programs of the Department of Surgery.

The Morris and Edna Zale Pediatric Lectureship. An annual lectureship by a personality of outstanding calibre to lecture and participate in the programs of the Department of Pediatrics, made possible by a gift from Mr. and Mrs. Leo Fields in honor of Mr. and Mrs. Morris Zale.

Bashour Memorial Lecture. A gift to the Department of Internal Medicine in honor of Dr. and Mrs. Anise Elias Bashour has enabled establishment of a memorial lectureship on cardiovascular and liver diseases.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATIONADMISSION TO THE MEDICAL CURRICULUM

Admission to Southwestern is not a right acquired by meeting the minimum entrance requirements but rather is a privilege proffered to those students who by their native talents, industry and behavior indicate the potential to become physicians of outstanding quality.

A degree is not required for admission. However, no student will be accepted with less than three years of college work (90 semester hours, exclusive of physical education requirements). This is not to discourage applicants who wish to obtain the broader education offered by a degree program but rather to indicate to those students who for some special reason wish to shorten their total education time that one year of college may be omitted.

Prospective medical students may major in fields other than sciences, such as economics, history, sociology and psychology, and the social sciences if their interests are in these areas. The minimum course requirements are listed below.

REQUIREMENTSResidence

The medical and dental schools of The University of Texas are authorized to accept as members of their freshman classes a limited number of non-resident students whose qualifications would place them among the top third of the entering class. No more than 10 per cent such students can be accepted into any freshman class in any UT medical school. Residence in Texas for premedical work only does not satisfy the bona fide residence requirements.

Under non-resident regulations defined by the Texas Legislature, the term "residence" means "domiciled" and the term "resided in" means "domiciled in." The Texas Commission on Higher Education provides uniform interpretations of the statutes, and interested students should consult the Associate Dean for Student Affairs for such interpretations. The detailed regulations governing definition of residency as set forth by the Legislature can be found in Appendix P. 89 of this bulletin. In cases of difficulty in determining residency status, an opinion may be obtained from The University of Texas System legal counsel.

Other Considerations

Most of the cost of modern medical education comes from society and the selection of students for the privilege of the study of medicine is conducted on a competitive basis. This responsibility is delegated to an Admissions Committee which considers not only students' academic performances but also their integrity, industry, and their mental and moral inclinations in admitting them to the school.

STUDENT INFORMATION Cont'd

Because of the protracted time involved in medical school and hospital training, entering students under the age of 30 are usually preferred except under very unusual circumstances.

Men and women are considered for admission on an equal basis. Students from the minorities are encouraged to apply. The Admissions Committee in making its selections considers the student's academic performance in college, the score from the Medical College Admission Test and recommendations from the college pre-medical committee or faculty. A personal interview is required and is initiated by invitation from the Admissions Committee.

The Admissions Committee does not rely on any mathematical formula which reflects the student's performance in college and on the Medical College Admission Test scores. There are no rigid requirements for admission as to grade-point average or MCAT scores. Rather, each student's performance in these two areas is considered in conjunction with an evaluation of his motivation, personal integrity and ability to communicate.

The Admissions Committee also weighs such factors as extra-curricular activities, the relative difficulty of varying undergraduate curricula, and any time spent in outside employment in the overall evaluation of student acceptability.

In general, to be successful in the competition for available places in the medical school's entering class, an applicant should achieve at least a "B" average, with particular emphasis on required coursework*. Academic prerequisites in five subject areas are listed below:

Specific Courses

1. ENGLISH: One year of college English.
2. BIOLOGY OR ZOOLOGY: Two years, as required for science majors; one year must include formal laboratory work.
3. PHYSICS: One year (normally 8 semester hours including laboratory as offered for science majors).
4. CHEMISTRY: Two years (normally 16 semester hours including laboratory as offered for science majors). This experience should be about equally divided between inorganic and organic chemistry. It should include experience in the laboratory and familiarity with analytic and volumetric techniques.
5. MATHEMATICS: One-half year of college calculus.

The selection of the first year class is solely made by the Admissions Committee. The acceptance of credit rests with the Associate Dean for Student Affairs.

* A "C" average is required in each course area.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'dGeneral Recommendations

The Committee on Admissions recommends to all pre-medical students that they increase their knowledge and understanding of the history, culture and behavior of man by courses in the humanities and social sciences. Students who anticipate a career which includes research in medical science should also plan their curricula to include additional courses which are available only at the undergraduate campus in the following areas: mathematics, physics, chemistry, and the life sciences.

Under certain conditions, medical students are also eligible to pursue studies leading to a graduate degree in a basic medical science. Those interested will need the baccalaureate degree and should also contact the appropriate department at the medical school and the Dean of the Graduate School of Biomedical Sciences as early as possible for any specific requirements.

Transfers From Other Medical Schools

When facilities permit, applications for transfer from second-year students from other accredited medical colleges may be considered. In each case the standing of the school and thoroughness of the courses offered will be appraised carefully and credit allowed accordingly. Advanced standing credit may be accepted only from schools on the approved list of the Association of American Medical Colleges and the Council on Medical Education and Hospitals of the American Medical Association.

Applicants for the third-year class must take Part I of the National Board examination.

Admissions to the second or fourth year class may be granted only under exceptional circumstances. Special examinations covering course work taken elsewhere may be required of any applicant and credit beyond that allowed in the school previously attended will not be granted.

Applicants for transfer can be considered only if they have fulfilled the general premedical scholastic requirements for admission to the first-year class in this school, including satisfactory performance on the Medical College Admission Test. If previous premedical training is fully satisfactory, and if the applicants are in good standing at the medical school previously attended, their applications will be received between October and December 31 for admission the next September. Such applications will be considered by the Admissions Committee as soon as they are complete, including a statement of endorsement from the Dean. The application form should be obtained from the Office of Student Affairs. Complete transcripts of premedical and medical school performance must be submitted with the application.

Application Procedure

Applications for admissions to the first-year class beginning in September of any year must be submitted

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'd

between July 1 and November 30 of the fall preceding the year of desired entrance. In 1969 the Central Application Office was established for The University of Texas System medical and dental schools and one application to this office may serve for any of these branches when so indicated. Application forms should be obtained directly from The University of Texas System, Medical/Dental Application Center, 800 Brazos St., Room 801, Austin, Texas 78701 (Telephone: AC 512/477-6125). The bulletin of Southwestern Medical School of UT Health Science Center can be obtained by direct request of the Office of Student Affairs, 5323 Harry Hines Blvd., Dallas, Texas 75235.

The Medical College Admission Test prepared by the American College Testing program must be taken by the applicant before the Admissions Committee will take final action on the application. The test is offered each spring and fall at premedical college centers. There is a distinct advantage to the applicant who takes the test in May preceding the time of making application. The test is offered also in the fall and this date can serve for the student who needs to repeat the test or who may have taken a major science course in the preceding summer. The scores on this test are appraised in relation to the applicant's scholastic record but, in general, applicants whose scores on this test rate in the lower third of the nationwide performance are not given favorable consideration.

The Admissions Committee is composed of faculty members from both the pre-clinical and clinical sciences as well as an elected representative from each medical school class. The students have status as full committee members.

EXPENSESFees and Deposits

All fees are subject to change without prior publication.

A schedule of application fees for first-year medical students is obtainable from the Central Application Office, University of Texas System, Austin. Upper-class medical applicants are required to pay a filing fee of \$5.00 at the time application is made.

Registration and Tuition Fee (Regular Session)

All fees are payable in full at the time of registration. The tuition for medical students who are Texas residents is \$300.00 for the nine-month school year; tuition for non-Texas resident citizens of the United States is \$900.00 for the same period; and for non-resident citizens of any country other than the U.S.A. the tuition is \$600.00 for the same period.

Property Deposit

A deposit of \$10.00 covers fines, breakage of equipment, loss of books, etc. This amount must be replaced as necessary upon the request of the Director of

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'd

Accounting. The amount of the property deposit remaining in the student's account will be refunded to him upon request at graduation or withdrawal from school. Property deposits which remain unclaimed for a period of four years after the student's last day of attendance shall be forfeited and shall become operative to a scholarship fund for needy and deserving students.

Visitor's Fee

A visitor's fee of \$5.00 a course is required of persons not registered for credit and the visitor must pay the laboratory fee the same as for credit. If the visitor desires to use the library, a non-student library deposit of \$5.00 is required.

Laboratory Fee

Regular medical students taking a medical course pay laboratory fees each year as follows: First Year, \$32.00; Second Year, \$30.00; Third and Fourth Years each, \$24.00.

Hospitalization

All students must have hospitalization insurance. You must provide us with a form that identifies your present insurer or purchase the Hospitalization Policy provided by the University. All information regarding costs, benefits, and requirements will be explained at the time of first enrollment. The Group Health Insurance fees are:

Individual student	\$10.74/mo.	\$ 96.66/9 mo. term
Student and one dependent	\$25.82/mo.	\$232.38/9 mo. term
Student and two or more dependents	\$30.13/mo.	\$271.17/9 mo. term

Student Health Service Fee

All medical students are required to pay a Health Services fee of \$11.34 per nine-month period at time of registration.

National Board Examinations

Second year medical students taking Part I of the National Board Examination and fourth year students taking Part II will each pay a fee of \$25.00. This amount covers the establishment of credit with the National Board Office. If for any reason the student does not register for the examination in Part I or Part II the fee will be refunded.

Student Union Fee

A Student Union Fee of \$10.00 for a nine-month school year is required of all students.

Refund of the Registration and Tuition Fee (Regular Session)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'd

A medical student who officially withdraws from school during the first term is entitled to a refund of two-thirds of the tuition; a student officially withdrawing during the second term is entitled to a refund of one-third of the tuition. No fees other than graduation and tuition fees are refundable. No refund will be made until the expiration of 15 days after the beginning of classes. A check covering all refunds due will be mailed to the address left with the Business Office. No refund will be granted unless applied for within one year after official withdrawal.

Exemption of Ex-Servicemen

Texas residents who were residents of Texas at the time of entry into the military service may be eligible for exemption from tuition and lab fees. These individuals must have been honorably discharged, and not now be eligible for educational benefits provided by the United States Government. Further details regarding these and other exemptions may be obtained from the Business Office.

Payment of Fees for Handicapped Students

The Texas Education Agency through its Vocational Rehabilitation Office, offers payments of tuition and other fees and services to civilian students (normally non-veterans) who have certain physical handicaps, provided the vocational objective selected by the student has been approved by a representative of the division. Application for vocational rehabilitation should be made to the Austin Rehabilitation District Office, 100 1/2 West Tenth Street, Austin, or to the District Rehabilitation Office nearest the student's home.

OTHER EXPENSESMicroscopes

All students are required to provide microscopes for use during the first two years. These microscopes must meet the specifications as set forth by the Department of Cell Biology.

Books and Equipment

The costs of books and equipment essential for a student of medicine are high. A student should take this into account in planning for financial support. For veterans who receive Certificates of Eligibility and Entitlement, a part of these costs will be absorbed through benefits from the Veterans Administration. Approximate costs dependent upon the various curricula, are as follows:

First year.....	\$950.00*
Second year.....	\$200.00
Third year.....	\$125.00
Fourth year.....	\$125.00

* Includes microscope

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'dLiving Arrangements

Southwestern Medical School does not furnish living quarters, and arrangements are the responsibility of each student. The Oak Lawn, Cedar Springs and Lemmon Avenue neighborhoods offer the nearest apartments, but outlying areas may provide less expensive rentals. Estimated monthly living costs range upward from approximately \$150.00 per month.

Campus Parking

Limited parking facilities are available on campus. Any student wishing to park on the campus will be required to obtain a permit and pay a parking and registration fee of \$10.00 for the academic year.

FINANCIAL AIDLoan Funds

The University of Texas Southwestern Medical School is fortunate in having a number of local funds available for students who need financial aid. Applications for loan are submitted to the Office of Student Financial Aid. Local funds, as different from national or state government funds, are for short periods of time and generally carry 3 per cent interest. They are awarded in cases of extreme financial need and repayment usually is expected by August 31 of the year in which the loan is made. Principal funds from which loans are available to qualified medical students are:

Tinsley R. Harrison Loan Funds No. 1 and No. 2; W. Lee Hart Student Loan Fund; Kellog Loan Fund; Montgomery Loan Fund; Student Loan Fund of Southwestern Medical School; Iona K. Young Student Loan Fund; George W. Brackenridge Loan Fund; National Defense Student Loan Fund; Health Professions Student Loan Fund; Texas Opportunity Plan; American Medical Association-Education and Research Foundation Loan Fund; National Institutes of Health Training Grants, and the Johnson Foundation Loan Fund.

Other loan funds administered by the school are:

Medical Center Woman's Club Loan Fund; Loan Funds of Woman's Auxiliary to the Texas Medical Association; Franklin Lindsay Loan Fund; May Owen Loan Fund; S.E. Thompson Loan Fund. Information regarding these funds may be obtained from the Office of Student Financial Aid.

Scholarships, Fellowships and Special Funds

Increasing numbers of scholarships and fellowships have become available and with continued growth of the school it is hoped that the list will continue to lengthen. Information on availability can be obtained from the Office of Student Financial Aid.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'dMerit Scholarships

Each year for a number of years there have been available from legislative appropriations twenty merit scholarships in the amount of \$300.00 each. Five of these are designated for medical students who achieve a scholastic rank within the first five of their class each year.

Alumni Association Scholarships

A number of scholarships in the amount of \$250.00 each are awarded from funds presented by the Alumni Association of The University of Texas Southwestern Medical School.

John P. Sheehan Memorial Fund

This fund has been made available for support of research and study in arthritis and is administered under the direction of a committee.

The St. Paul General Practice Scholarship

Members of the staff of St. Paul Hospital have made available this scholarship of \$500.00 a year to be awarded to a senior student in Southwestern Medical School to be selected by the Dean of the Medical School and the following representatives of St. Paul Hospital: The Administrator, The Chief of Staff, the Director of Medical Education, and the Chief of the General Practice Section.

Other Scholarships and Fellowships

Occasionally special funds are made available for students by firms and individuals. Information regarding such opportunities can be obtained through the Office of Student Financial Aid.

ORGANIZATIONSStudent American Medical Association

The Student American Medical Association is the largest medical student organization in existence, with chapters in eighty-seven of the nation's medical schools, including The University of Texas Southwestern Medical School at Dallas. The basic aims of SAMA are to contribute to the welfare and education of medical students, to advance the profession of medicine, and to prepare its members to meet the social, moral, and ethical obligations of the profession of medicine. SAMA serves as a mechanism whereby students may participate actively in the fields of community and international health, medical education, and in the multitude of complex programs dealing with the rapidly changing trends in medicine. Furthermore, SAMA functions as a school-wide service organization and involves itself with almost all aspects of student life.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'dAlpha Omega Alpha

Gamma Chapter of Texas of Alpha Omega Alpha, national medical honor society, was installed at Southwestern Medical School in November 1950. A small number of students in the upper portions of the junior and senior classes are eligible for election to memberships. Selection is based upon high academic standing, moral character, and promise of future contributions to the field of medicine.

Sigma Xi

The Sigma Xi Club of Southwestern Medical School is a unit of the national honorary scientific society. It has all the privileges of a chapter except the selection of new members to Sigma Xi. Anyone elected by a chapter is eligible for membership in this club. Several lectures a year on varied scientific subjects are sponsored by the club which usually includes on its list of speakers an outstanding scientist selected by the national society.

Christian Medical Society

The Christian Medical Society is an interdenominational fellowship of medical students whose regular meetings are designed to promote an understanding of the responsibility and potentiality of medical practice in the light of Christian purpose and ethics.

The Alumni Association

The Alumni Association of Southwestern Medical School was organized on April 27, 1953, at the Shamrock Hotel in Houston on the occasion of the 100th anniversary of the Texas Medical Association and the 10th anniversary of Southwestern Medical School.

The annual Alumni Banquet and Reunion is held in March during the meeting of the Dallas Southern Clinical Society.

The objectiges of the Alumni Association are the stimulation and maintenance of interest in Southwestern Medical School.

AWARDSThe Ho Din

On May 5, 1943, the trustees of Southwestern Medical Foundation authorized the establishment of an award to symbolize the fundamental concept on which the College was to be based. This award is The Ho Din, which signifies the spirit of human understanding and medical wisdom and constitutes the highest honor which the Foundation can bestow.

On request of the trustees of the Foundation, the faculty of Southwestern Medical School may recommend

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STUDENT INFORMATION Cont'd

not more than two members of each graduating class who, in their opinion, most nearly exemplify the personal attributes which define The Ho Din. The award is based entirely on the recognition of personal qualities embodied in all great physicians and is in no way dependent upon scholastic standing.

This award is accompanied by a cash prize of \$1,000 from the Foundation in tribute to the memory of Dr. Edward H. Cary, who during his lifetime was a primary force in the establishment of the Medical School and the establishment of Dallas as a medical center.

Dallas-Fort Worth Obstetric-Gynecology Society Award

The Dallas-Fort Worth Obstetric-Gynecology Society annually awards a prize to the outstanding senior student in obstetrics and gynecology, upon nomination by the Chairman of the Department of Obstetrics and Gynecology.

THE MEDICAL CURRICULUMDegree of Doctor of Medicine

The degree of Doctor of Medicine is granted by The University of Texas Southwestern Medical School upon satisfactory completion of twelve terms of regular instructional courses of twelve weeks each in the Medical School, ordinarily in four academic sessions. Candidates must (1) be at least 21 years of age at the time the degree is to be awarded, (2) present evidence of good moral character, (3) offer satisfactory evidence of having properly fulfilled all academic requirements of the medical curriculum, and (4) comply with all necessary legal and financial requirements.

Course of Study

The course of study in Southwestern Medical School is designed to prepare self-reliant, sympathetic, and effective physicians. Close correlation between different subjects is promoted, but each field is considered broadly as a university discipline. The relations of teachers and students are expected to be those which naturally would prevail in university graduate work.

Curriculum planning, organization and development is directed by the Curriculum Committee, composed of students and faculty, which considers recommendations from all members of the school. Curriculum alteration has focused upon the development of academic excellence and the generation of a scholarly milieu.

The third and fourth years are divided into blocks and allocated to the departments of medicine, surgery, obstetrics-gynecology, pediatrics and psychiatry. All instruction i.e., clerkships, lectures, conferences, and such, pertaining to these departments is given within its own block of time. In this way, a student assigned to medicine, for example, can devote his entire time to that subject without interruption and is not responsible for any other assignments or examinations.

The exception to this arrangement is a series of trans-departmental courses, primarily lectures, which are presented to the entire class throughout the year.

Didactic instruction is limited to the minimum number of lecturers, group clinics, and demonstrations consistent with satisfactory presentation principles. The bulk of medical knowledge and experience is expected to be gained from individual initiative under guidance in conference, laboratory, clinic, bedside, and library. The instructional staff functions chiefly in a preceptoral and advisory capacity.

Special Students

Application may be made by students of Southwestern Medical School for permission to carry less than the

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

normal course load in the medical curriculum, if circumstances warrant. Admission to such programs is under the jurisdiction of the Associate Dean of Student Affairs.

The Honor System

Examinations and the conduct of students generally are subject to the Honor System. The detailed operations of the Honor System are explained to incoming students and each student is required to sign a pledge to conform thereto.

Grades and Promotions

Departments submit grades for the students to the Office of the Associate Dean for Student Affairs, as preliminary grades whenever deficiencies occur and as final grades at the completion of a course. All grades are reported by the department as whole numbers, with 75 considered the lowest passing grade, except that the symbol "X" denotes a course not completed and the symbol "Q" denotes a course officially dropped with no penalty.

From the grades reported for each year, each student's performance is computed on the basis of a system of qualitative weighting which has been approved by the Faculty Council. In the case of Sophomore medical students, a qualitative weighting of 1.5 equivalent credit units for their overall score on Part I of the National Board Examination will be added to their other course grades in computation of the year's performance following review of the Promotions Committee.

When a student satisfactorily completes the course requirement of an academic session, he is advanced to the next year's class provided there are no reasons to make this procedure unwise. The conduct, attitude, and performance of the student are factors in promotion and whenever any one of these criteria is judged unsatisfactory by the department, the student is notified and the Associate Dean is informed. If the student's performance in conduct, attitude, or scholastic achievement is considered unsatisfactory, he may be required to withdraw from school.

When an academic deficiency (a grade below 75) is incurred, the student is referred to the Promotions Committee for investigation. Immediately thereafter the Promotions Committee makes recommendations to the Dean regarding solution of the student's problem.

A student incurring academic deficiency may, on the basis of the recommendations of the Committee, be asked to withdraw from school, to repeat the year's work, or to remove the deficiency by whatever means the Promotions Committee may propose.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

When the student is allowed to repeat the work of a year or any part thereof, he may be required to achieve any grade level which the Promotions Committee may stipulate.

The Promotions Committee is composed of representatives of each teaching department of the Medical School. Its function is to review all important aspects of each student case referred to it and to make appropriate recommendations to the Dean.

Dropped or Incomplete Course Work

No course may be dropped later than twenty-one calendar days prior to the date of the last regularly scheduled class in the course. A course dropped after this deadline will automatically receive a failing grade. A medical student desiring to drop course work prior to the deadline must receive written approval of the Associate Dean for Student Affairs. A student permitted to drop a course under these conditions will receive a record notation of "Q" as indication that the course was officially dropped.

Subject to the approval of the Associate Dean for Student Affairs, a student may receive an "X" for a course not completed, if the instructor so recommends. The incomplete work must be completed within a time interval prescribed in each instance by the Promotions Committee. If course work is not satisfactorily completed within the time prescribed by the Promotions Committee, a failing grade will be recorded.

Outside Work

The medical curriculum requires the major portion of a student's time and concentration. Some few students find it possible to have outside employment and still maintain a high quality of school work. School assignments and hospital duties cannot be altered to fit a work schedule for an individual. Any student who wishes to seek employment must obtain written approval of the Associate Dean for Student Affairs. Such approval may be given only in those instances where a good quality of student work is demonstrated.

Withdrawal

The Medical School may require students to withdraw who fail to show satisfactory scholastic performance and conduct. It is necessary to consider not only students' grades but also their integrity, their industry, and their mental and moral inclinations in admitting them to school, in advancing them to a higher class, or in requesting them to withdraw from school. It must be clearly understood by every matriculant that the school reserves the right to require the withdrawal of any student at any time prior to graduation if circumstances of a legal, moral, health, social, or academic nature justify this action.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

Any medical student desiring to terminate his enrollment should consult the Associate Dean for Student Affairs in advance of separation. The official procedure involves presentation to the Associate Dean of a written statement of reasons for withdrawal and clearance with the departments in which courses are in progress so that equipment can be accounted for properly. Only in this way can honorable dismissal be recorded and action started on a refund of payment.

Medical Studies in Other Schools

By action of the Board of Regents of The University of Texas, students of Southwestern Medical School are permitted, with the approval of the Dean, to pursue certain parts of their medical studies within the confines of other approved medical schools of this country and abroad, subject to the following conditions:

1. That the student enroll and pay all fees at Southwestern Medical School
2. That the student pay the fees required by the institution of his selection
3. That on completion of study, appropriate credit at Southwestern Medical School be granted provided proof of satisfactory completion of studies in the institution is presented.

Transcripts

A student may secure a transcript of his Southwestern Medical School record at a cost of \$1.00. Request for this official statement should be addressed to the Registrar. Copies of school work transferred to Southwestern Medical School will not be made; it is recommended that such statements be obtained directly from the school concerned.

Board Examinations

All medical students will be required to take Part I and Part II, respectively, of the Examination of the National Board of Medical Examiners. Part I is taken in June after 2nd year; Part II is taken in spring of 4th year. The examination will be administered for credit both with the National Board Office and for this medical school. The overall score on Part I will be considered as equivalent to 1.5 credit units of course work in calculation of the student's performance for the year. Students who receive less than a passing overall score on Part I will be referred to the Promotions Committee for review and action.

Combined Medical and Graduate Programs

There is an ever-increasing demand for medical scientists with advanced training in research and graduate level education in one or more of the basic medical sciences. Qualified students are encouraged to consider programs leading to both an M.D. and a graduate

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

degree. The graduate degree may be at the Master's or the Doctor of Philosophy level.

Admissions must be sought separately to the Medical School and the Graduate School, and admission to one does not guarantee admission to the other. After admission to both schools, there are many patterns in which the combined program may proceed, but the Committee on Graduate Studies of the intended major must give approval. The total time added to the medical curriculum for the additional program is generally a year for the Master's degree or three years for the Ph.D. degree. Proper utilization of summers will somewhat reduce the total time required. For additional information, consult either the Associate Dean for Student Affairs or the Dean of the Graduate School of Biomedical Sciences.

For students desiring to pursue a combined Ph.D.-M.D. program, the federal government makes available to highly qualified applicants a limited number of fellowships for a six-year period. Applicants must apply before the end of the second year of either graduate or medical studies.

Schedule of Courses, Hours, Units for Each Year

The academic year is divided into three or four terms of varying numbers of weeks each. Twelve terms comprise the training course for the degree of Doctor of Medicine. The time allotments for each academic year's work may be noted in tables following. The unit system for the evaluation of courses and hours for promotion is on the clock-hour basis with the following subdivision allowed:

25 clock-hours of instruction or less	no credit
25 to 75 clock-hours	one-half unit of credit
76 to 100 clock-hours	one unit of credit
	additional hours are evaluated on a similar basis.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'dFIRST-YEAR MEDICINE

<u>Course</u>	<u>Clock Hours</u>	<u>Unit Value</u>
Medical Biochemistry	176	2
Cell Biology	132	1.5
*Genetics	45	0.5
*Immunology	45	0.5
Psychiatry	32	0.5
Elements of Gross Anatomy	175	2
Medical Physiology	285	2.5
Neurobiology	96	1
*Endocrinology and Human Reproduction	90	1
Clinical Correlation	23	0
TOTAL	1,099	11.5

The year's schedule will be divided into three terms with emphasis indicated by the clock hours shown for the subjects listed above. Classes are distributed Monday through Friday with either a Wednesday or a Thursday afternoon off each week.

First Term (14 weeks)

Medical Biochemistry
Cell Biology
Genetics
Immunology
Psychiatry
Clinical Correlation

Second Term (6 weeks)

Elements of Gross Anatomy

Third Term (15 weeks)

Physiology
Neurobiology
Endocrinology and Human Reproduction
Clinical Correlation

*The starred units represent interdepartmental programs involving the four participating departmental units in the first year (Biochemistry, Cell Biology, Physiology and Psychiatry).

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'dMedical Biochemistry - 176 hours

This course is designed to introduce students to the fundamental aspects of modern biochemistry as applied to medicine. The course covers topics such as the nature and properties of enzymes; intermediary metabolism of carbohydrates, lipids, amino acids, purines and pyrimidines; biological oxidations, bioenergetics, and the mechanism of action of hormones. The nature and expression of genetic information and the mechanism of protein synthesis are also discussed in detail. Particular emphasis is given to those aspects of biochemistry relevant to medical care such as inborn errors of metabolism, alterations in carbohydrates, amino acid, lipids, porphyrin, and steroid biochemistry, as well as present knowledge of the biochemistry of cancer, drug and alcohol metabolism, and bone and muscle.

Lectures are integrated with small group conferences and a special seminar program designed for those medical students interested in achieving a greater knowledge about some particular area of biochemistry such as clinical chemistry, genetics, hormones, transport, immunochemistry, nutrition, etc. Students wanting laboratory experience will have the opportunity to utilize modern techniques and instrumentation in the conduct of research projects under the supervision and guidance of faculty members.

Biology of Cells and Tissues - 132 hours

A lecture and laboratory course designed as an introduction to the study of cells, organized tissues, and organ systems at levels of the light, phase, and electron microscopes. Emphasis is on structure-function interrelationships between specific cell types in organized tissue systems. The first half of the course covers the functional morphology of cells and their organelles, chemical composition of cellular components and products, cell surfaces and movement, embryonic origin of specific cell types, and a histological and ultrastructural survey of the simple tissues. The second half of the course is devoted to the systematic survey of the histology and functional ultrastructure of the organ systems of the body. Approximately eighty hours of laboratory are devoted to studies in ultrastructure, cytology, and histology, as well as observations on living cells.

Human Genetics - 45 hours

An interdepartmental course given over a ten-day interval midway through the first semester. The first portion of the course deals with basic issues in genetics--classical principles, cytogenetics, and molecular genetics. In the second portion, these areas are evaluated with regard to their impact on clinical medicine: the chromosomally induced congenital syndromes, inborn errors of metabolism, hemoglobinopathies, etc. The remainder of the time is spent on problems in population genetics, genetic counselling and factors influencing

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

mutation rates in man. Laboratory sessions are included where appropriate.

Immunology - 45 hours

An interdepartmental course given over a ten-day interval at the completion of the first semester.

The immune response is treated as a homeostatic protective mechanism. Cellular and humoral immunities are considered with regard to the ontogeny of their precursor cells, and the interactions and transformations that underlie the production of effectors, and the nature of the latter, following exposure to antigenic material. Specific topics covered include the nature of antigens and antibodies and their interaction, complement, immediate and delayed hypersensitivity, isoantigens and autoantigens, tumor immunology, transplantation immunology, immunosuppression by antigen, antibody and drugs. The lectures are integrated with case presentations and laboratory sessions.

Psychiatry - 32 hours

The freshmen psychiatry course incorporates small group discussions and case presentations with lectures on human development, social issues in psychiatry, and the impact of physical illness on mental health.

Gross Anatomy - 175 hours

Students working in groups of six on a rotating schedule, dissect the major structures of the human body. Prosections and demonstration specimens are provided for amplification and clarification. Films which illustrate the anatomy of selected regions of the body are available for repetitive viewing by students. Lectures by staff and members of the clinical faculty stress the more important aspects of anatomy, especially as they are related to the practice of medicine.

The laboratory work is further supplemented by weekly sessions, directed by staff members from the Department of Radiology, in which radiological techniques are used to illustrate parts of the bony skeleton as well as the thoracic and abdominal viscera.

Medical Physiology - 285 hours

This course consists of lectures and laboratory work supplemented by group conferences. The course begins with instruction in the use of standard physiological laboratory apparatus and a consideration of the physiology of biological membranes. This is followed by a more comprehensive study of the physiology of blood, skeletal muscle, circulation, respiration, digestion excretion, water and electrolyte balance and special senses. Emphasis is placed on the practical aspects of human physiology. The laboratory experiments are designed to illustrate important principles of the subject. Close correlation is maintained between laboratory studies and the subject matter of lectures.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

The general purpose of the course is not only to give the student a knowledge of normal physiologic function but to help him acquire the ability to analyze physiologic problems such as may be encountered in disease.

Neurobiology - 96 hours

Neurobiology is given jointly by the Departments of Cell Biology and Physiology. Basic neuroanatomy and neurophysiology are developed in a progressive fashion starting with structure-function of nerve cells. The presentation of reflexes and motor control, of sensory systems and sensory integration illustrate basic principles of nervous system organization. Higher functions, including behavior and sleep, plus topics of direct clinical interest such as EEG and epilepsy, are discussed in relation to this basic material. The structural features of the nervous system are emphasized by laboratory dissection, prosected materials and slides. Demonstrations illustrate neurophysiological techniques and principles. The course material is related to clinical practice via presentation of patients with characteristic disorders of the nervous system. Also participating are the Departments of Neurology, Neurosurgery and Pathology.

Endocrinology and Human Reproduction - 90 hours

This course is designed to give an overview of the structural, functional, and biochemical aspects 1) of the cells and organs of internal secretion and 2) of those tissues which are prime targets of hormones secreted by endocrine tissues. The course consists of an in-depth consideration of hypothalamic, pituitary, thyroid, pancreatic, parathyroid, adrenal, and gonadal function as well as a detailed discussion of such hormonally-dependent exocrine glands as the seminal vesicles, prostate, endometrium, and mammary tissue. Special emphasis is placed on spermiation, ovulation, fertilization, implantation, and pregnancy. The involvement of trophoblastic tissue in trophic hormone secretion, steroidogenesis, and in immunologic reactions is stressed. In addition, human sexuality and the use of anti-fertility agents in the control of population growth is discussed. Approximately half of the course consists of basic material. The remainder is devoted to the presentation, illustration, and discussion of selected clinical cases which exemplify derangement of normal endocrine function.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'dSECOND-YEAR MEDICINE

<u>Course</u>	<u>Clock Hours</u>	<u>Unit Value</u>
Introduction to Disease (Including Public Health and Community Medicine)	368	3.5
Medical Microbiology	144	1.5
Pathology (Including Clinical Pathological Conference)	395	4
Pharmacology	143	1.5
Psychiatry	70	0.5
National Board Examination Part I	0	1.5
TOTAL	<u>1,120</u>	<u>12.5</u>

Introduction to Disease - 368 hours

The purposes of the Introduction to Disease Course are: 1) to introduce students to direct patient contact on a one-patient to one-student basis; 2) to teach students the appropriate methods of eliciting and recording a medical history and performing a complete physical examination; 3) to relate the pathophysiology of diseases to their clinical presentations, and 4) to introduce students to some of the important socioeconomic problems in the delivery of health care. These goals are achieved through lectures, small group seminars, and performance by students of history and physical examinations under faculty supervision. The course is designed to correlate with the other courses taken in the sophomore year so that, insofar as possible, lectures in all courses cover the same organ systems or disease processes simultaneously. The clinical contact portions of the course are participated in by virtually all of the clinical departments, and all of the major hospitals in Dallas are utilized.

Medical Microbiology - 144 hours

The program in Medical Microbiology is designed to familiarize medical students with the fundamentals of etiology, pathogenesis, diagnosis and prevention of infectious diseases. Initially there is a brief introduction to microbiology as a basic science through discussions concerned with microbial physiology and genetics and basic principles of immunology. As the course proceeds the various factors involved in host-parasite interrelationships for specific groups of disease-producing agents including the bacteria, fungi, rickettsia, viruses, and protozoa and helminth parasites are discussed. Immunologic disorders as well as the application of immunological principles to diagnosis and therapy are stressed.

The laboratory exercises are designed to provide the students with an understanding of the principles of diagnostic microbiology and immunology.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

Throughout the course, the presentation of basic medical microbiology will be accompanied by clinical correlates prescribed in collaboration with the faculty teaching Introduction to Disease.

Anatomic and Clinical Pathology - 395 hours

This course is taught throughout most of the second year, during which time both general disease processes and specific diseases of each organ system are covered. Instruction includes lectures, slide projections, and individual laboratory work under supervision of staff members. Each student has a set of microscopic slides of both normal and diseased tissues and has access to color slides of both gross and microscopic lesions. Stress is placed on the general nature of disease, the etiology and pathogenesis of specific diseases, and the clinical results of disease, rather than on details of gross and microscopic structure.

Clinical pathology includes the techniques and interpretations of common laboratory procedures and is taught in conjunction with anatomic pathology. Thus, urinalysis and renal function tests are discussed along with the presentation of renal diseases. Other teaching procedures include attendance at autopsies by small groups of students, demonstrations of recent autopsy and surgical specimens, and clinicopathologic correlation conferences.

Pharmacology - 143 hours

The major purpose of the instruction in pharmacology is to prepare the student for the clinical study of therapeutics by providing him with a knowledge of the manner in which drugs modify functional activity in the organism. After a brief survey of the general principles of pharmacology, the chief work of the course is concerned with experimental pharmacodynamics. Lectures on pharmacological and toxicological properties of some drugs are closely correlated with laboratory work. The relevance of basic pharmacology to clinical applications is stressed.

The teaching personnel of the department include clinical pharmacologists who correlate basic and clinical aspects of the subject. Members of some clinical departments also participate in correlation lectures.

Psychiatry - 70 hours

This course encompasses the theory and practice of psychiatry with lectures and small group discussions covering history, theory, the neuroses, psychoses, affective disorders, personality disorders, disorders of childhood and adolescence, problems of alcohol and drug abuse, psychosomatic disorders, organic and drug therapies, and concepts of community psychiatry. Clinical material is presented in audio-visual format and in direct observation of patient interviews.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'dTHIRD-YEAR MEDICINE

<u>Course</u>	<u>Clock Hours</u>	<u>Unit Value</u>
Medicine (Including Dermatology)	800	8
Obstetrics and Gynecology	400	4
Pediatrics	400	4
Trans-departmental Lectures	120	0
TOTAL	<u>1,720</u>	<u>16</u>

Internal Medicine: Clerkship and Lectures - 800 Hours*

The courses in internal medicine have a trifold function: to develop habits of critical inquiry which will enable the student continuously to seek and evaluate information; to develop in the student an appreciation of disease processes as instances of deranged physiology, and to emphasize the responsibility of the physician to the patient as an individual.

Accordingly, emphasis is placed on small-group teaching at the bedside as well as in seminars. Physiological and clinical data and theory are brought to bear in the elucidation of the patient's problems. Reading in books and journals is encouraged and guided. Didactic lectures are limited largely to orientation clinics of the presentation of new material. Elective courses in the various medical subspecialties are offered to small groups of students, thereby affording the opportunity for more intensive examination of special problems in the chosen area of study. (See section on Electives, Fourth-Year Medicine).

Inpatient Clerkship -- Twenty weeks are spent on the medical wards as clinical clerks: 10 weeks by all students at Parkland Memorial Hospital and 10 weeks at the Dallas Veterans Administration Hospital or one of the other affiliated hospitals. Students are assigned new patients in rotation and perform a comprehensive history and physical examination on each new admission. In addition, progress notes are written by students on their patients, and, when indicated, selected laboratory determinations are performed. Daily ward rounds and conferences concerning patients are held. Also, medical subspecialty conferences which generally are based on a discussion and analysis of a patient are held each afternoon. An X-ray conference is held each week, and clinical clerks are invited to attend a weekly clinical conference presented by medical residents.

Medicine Lecture Series -- Three one-hour lectures for orientation purposes and involving broad general principles in the various areas of internal medicine are given each week during the inpatient clerkship. Medical Grand Rounds, a weekly formal lecture at Parkland Memorial Hospital presented by a distinguished visitor or member of the full-time staff on a

*based on 40-hour week. This does not include additional night work which may average two nights (24 hours) per week.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

particular area of medicine, are open to members of the third-year class.

Obstetrics and Gynecology: Clerkship and Lectures - 400 hours*

A ten-week rotation is provided for third-year students including 72 hours of lectures on Principles of Obstetrics and Gynecology, and a Clinical Clerkship during which time students in small groups work directly with patients. This Clerkship is divided into three separate rotations: 1) Delivery Room, 2) Obstetrics Ward and Clinic, 3) Gynecology Clinic and Emergency Room.

The Delivery Room assignment involves the student in direct care of women in labor, and allows the student to perform deliveries under staff supervision. During the two remaining rotation students are assigned patients which are discussed with faculty members following student work-up. Assignments include routine and complicated ante- and post-partum patients, emergency room patients, and clinic patients.

In addition, students are expected to assist in surgery on selected gynecology cases and on all obstetric patients assigned to them. This course is conducted as a series of clinical exercises which involve the student in direct patient care as a supervised member of the patient-care team.

The course includes six hours per week of correlative conferences, during which time informal discussion occurs between students and faculty members regarding patients in the wards and the clinic. Five hours per week are devoted to Case Conferences in which faculty members present significant cases to the students.

Also included are 12 lectures and demonstrations by the Department of Anesthesiology on basic obstetric anesthesia principles and cardiopulmonary resuscitation.

Pediatrics - 400 hours

Nine-week Pediatric rotation is divided into four and one-half weeks in the hospital ward, and four and one-half weeks in the outpatient department.

Hospital Wards -- Students have four clinical case conferences for discussion of diagnostic and management problems and to emphasize important principles of pediatric care. They participate in ward rounds and in all facets of ward activity. Patients are assigned to students and house staff jointly for complete case-taking and management. In addition, each student has one patient for whom he functions as extern with all the duties and responsibilities of the intern-patient relationship. There is close supervision by the senior resident and faculty.

*40 hours per week

SOUTHWESTERN MEDICAL SCHOOL BULLETIN Cont'd

THE MEDICAL CURRICULUM Cont'd

Outpatient Clinic -- Students take histories and perform physical examinations on several patients daily. He presents the cases to a member of the full-time or clinical faculty for discussion. One day is spent with work-up of a child with mental retardation or learning disability. One-half day is spent in the Denton State School for Retarded Children. Each morning begins with a 30-minute lecture on common outpatient problems.

While in the outpatient department, the student spends several days in the nursery and several days in a neighborhood health clinic. In the nursery the student performs physical examinations on newborn infants; there are conferences for discussions of newborn problems. In the health clinic the student examines patients and is a part of the health care team.

The course in Pediatrics is designed to emphasize principles and concepts of developmental biology, physiologic transition in the newborn and pathophysiology, and to provide experience working with pediatric patients. Ample material is provided for self-study.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'dFOURTH-YEAR MEDICINE

<u>Course</u>	<u>Clock Hours*</u>	<u>Unit Value</u>
Surgery	480	5
Psychiatry	260	2
Electives	800	0
Departmental and Trans- departmental Lectures:	132	0
Clinical Pharmacology		
Community Medicine		
Medical Jurisprudence		
Physical Medicine		
Surgery		
 TOTAL	 <u>1,672</u>	 <u>7</u>

The fourth year consists of elective courses, constituting 800 clock hours or 20 weeks, plus instruction in surgery (480 hours), psychiatry (260 hours), and departmental and trans-departmental lectures (132 hours) -- which include clinical pharmacology, community medicine, medical jurisprudence, physical medicine and surgery.

Surgery: Clerkship and Lectures - 480 hours

Fourth-year surgery consists of clinical clerkships on the wards of Parkland Memorial Hospital and one of the affiliated hospitals plus weekly lectures on all aspects of surgery. During his clerkship the student is afforded an opportunity to participate actively in the diagnosis and therapy of patients suffering from both acute and chronic surgical diseases. The student also attends the outpatient clinic and has the opportunity to assist in the diagnosis and therapy of surgical illness in ambulatory patients. The clerkship is interwoven with teaching ward rounds, clinical conferences symposia, and lectures on all aspects of surgery and its specialties. Correlative instruction is offered in surgical pathology and anatomy as well as surgical physiology.

For a portion of his surgery sequence the student is assigned to the emergency room, where he obtains extensive experience and instruction in diagnosing and aiding in the treatment of every type of surgical emergency. For correlation of therapy and end results, many patients seen in the emergency room are followed in the clinics, or on services, by the same clerk who saw them initially.

*Clock hours include clerkships at 40 hours per week but do not include obligated night service averaging 20 hours per week on each assignment.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'dPsychiatry Clerkship - 260 hours

The senior clerkship in psychiatry consists of four consecutive weeks on the service. Each week includes 7 hours of formal lectures; 30 hours of inpatient, 18 hours of emergency room, and 4 hours of outpatient activities; a field trip to the local state hospital; and 6 hours of supervision. Lectures include pharmacotherapy, psychology, psychotherapy, and community mental health. By working closely with patients under senior staff supervision, the student is given an opportunity to understand the experiential items registered as stress which seem to relate to psychiatric syndromes.

Electives - 800 hours

The elective program is designed, at least in part, to assist the student in arriving at and preparing for a subsequent career choice. Five months during the fourth year of medical school are allocated for electives which must be completed for graduation. Each elective usually lasts one month, but some may be taken in multiples of a month. Many students take more than five months of electives by utilizing the summer after completion of the Junior year.

Over 100 electives are offered. Selection is guided by a faculty committee and by individual counselling. Preceptorships may be arranged for those students interested in family medicine. Elective time may be spent working on a research project. Students may take electives off-campus at recognized medical facilities if approved by the chairman of the relevant department at our institution. Elective subjects are:

Anesthesiology -- Principles of preanesthetic evaluation, premedication, choice of agents and techniques, human clinical pharmacology of anesthetics, support of the unconscious patient, and basics of cardiopulmonary resuscitation.

Internal Medicine -- Calcium-Phosphorus metabolism; clinical cardiology; clinical clerkship in cardiopulmonary intensive care; clinical diagnosis and treatment of pulmonary disease; diseases of the chest and applied pulmonary disease; electrocardiography and clinical auscultation; endocrine, metabolism, and genetics; endocrinology; gastroenterology; hematology; hematology-oncology; adult infectious diseases; introduction to practice of internal medicine; nephrology; pulmonary medicine, diseases, metabolism; pulmonary physiological research; respiratory therapy procedures; rheumatology/dermatology; student internships, wards and coronary care unit.

Medical Computer Science -- Senior medical students are encouraged to take one of the following tutorial electives: Clinical Information Systems; Computers in Medical Research; Real-Time computing; Special Topics in Medical Computer Science.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

Family Practice -- Preceptorship in family practice.

Neurology -- Neurology service; clinical neurology; neurology rotation.

Pathology -- Autopsy review; clinical chemistry; cytopathology; dermatopathology; drug identification/overdose; forensic pathology; immunohematology; infectious diseases--laboratory diagnosis; liver and kidney pathology; obstetrics-gynecology pathology; pediatrics pathology; surgical pathology; toxicology.

Pediatrics -- Childhood development/normal-abnormal; endocrinology and metabolism; hematology; infectious disease; infectious disease research; neonatal pediatrics; pediatric neurology; outpatient pediatric problems; pediatric radiology; renal disease; specialty clinics; pediatric surgery clerkship; pediatric ward externship.

Pharmacology -- Clinical pharmacology; research in basic or clinical pharmacology.

Physical Medicine & Rehabilitation -- Application of principles of rehabilitation medicine in diagnosis and treatment of physical disabilities, including cervical and lumbar radioculopathies, demyelinating diseases, collagen diseases, peripheral neuropathies, amputations, cerebral vascular disease, burns, peripheral nerve injuries and entrapment syndromes, and spinal cord injuries.

Psychiatry -- Clinical psychiatry (child and adolescent); clinical experience in psychiatry; patient care/psychiatric theories.

Radiology -- Diagnostic radiology; nuclear medicine; nuclear radiology.

Surgery -- Antibiotics related to surgery; burns, clinical neurosurgery; clinical surgery (5 offerings); emergency care-trauma; surgical endocrinology-clinical surgery; orthopedic surgery; otolaryngology; applied surgical physiology; plastic and reconstructive surgery; thoracic/cardiovascular surgery; urology clerkship; vascular surgery.

Oncology -- Interdepartmental elective by Committee on Oncology to give student concept of cancer diagnosis, treatment and followup, and the interplay of various disciplines in neoplastic disease.

THE CONTINUING EDUCATION PROGRAM

The postgraduate program of The University of Texas Southwestern Medical School has been combined with the A. Webb Roberts Center for Continuing Education in the Health Sciences of Baylor University Medical Center in Dallas. The program, under the direction of the Associate Dean for Continuing Education in-

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

creates the opportunities for practitioners of medicine to keep abreast of current advances and developments in the health sciences. Courses are planned locally, and in part are conducted by the regular full-time and clinical faculty of the Medical School. In addition, visiting professorships and lecturships have been established in specific fields of medicine and medical practice to attract outstanding authorities in their respective fields.

No specific curriculum credit is offered, but all courses sponsored by the Center count toward Category I of the American Medical Association's Physician's Recognition Award and are recognized as formal hours of continuing education credit for members of the Academy of General Practice.

The continuing education program attempts to act as a central source of information on continuing education in the health sciences. An additional activity is to stimulate and assist, in whatever manner possible, the other health institutions in the area to provide continuing education programs needed by physicians, nurses, and allied health personnel. Seminars are arranged throughout the state, usually at the request of a medical organization such as the Academy of General Practice, or a county or district medical society. These are organized through arrangement with the Associate Dean for Continuing Education. Also, individual courses are prepared and offered by various departments of the Medical School. These characteristically are two and three day sessions limited to a specific field. Intermittent courses meeting once a week, or for protracted periods are presented for physicians within commuting distance. Individual short term courses can be designed for specific individual trainees for periods up to two months.

Refresher courses are also offered to such paramedical groups as medical technologists, social and welfare workers, and dietitians. Such courses are designed to supplement experience with new skills as well as to review previously acquired information.

The internship and residency programs are not considered a part of the postgraduate division. Since Southwestern Medical School does not operate a hospital, all regular hospital training is under the direction of the chiefs of services in the various affiliated hospitals. Information regarding intern and resident training may be obtained from the internship committee of the hospital concerned.

The Continuing Education Office also issues a biweekly report of educational activities for health professionals in the Dallas-Fort Worth area. This Continuing Education Calendar includes events in medicine, nursing, allied health sciences and programs from departments within Southwestern Medical School, as well as programs of other organizations and hospitals.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL CURRICULUM Cont'd

Persons interested in continuing education courses should contact the Associate Dean for Continuing Education at The University of Texas Southwestern Medical School.

POST-DOCTORAL FELLOWSHIPS

The various clinical departments offer post-doctoral fellowships at later stages of training. These fellowships are designed to provide clinical and investigational training in preparation for subspecialty certifying boards or for other subspecialty expertise not subject to board examination but usually prerequisite for academic careers.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTYDEPARTMENT OF
ANESTHESIOLOGY

Margaret Milam McDermott Professor & Chairman
M.T. Jenkins, M.D. (UT Galveston)

Associate Professors

E. Warner Ahlgren, M.D. (Buffalo)
Norman R. James, L.R.C.P.S. (Edinburgh)
P. Prithvi Raj, M.B., B.S. (Mysore, India)

Assistant Professors

James W. Burleson, M.D. (UT Southwestern)
Jo-Allene Horne, M.D. (Bowman Gray)
Edward R. Johnson, M.D. (Northwestern)
Frank T. Kallus, M.D., Ph.D. (UT
Southwestern)
James F. Lee, M.D. (Baylor)
Samuel J. Montgomery, M.B., B.Ch. (Belfast,
Northern Ireland)
Richard E. Morris, M.D. (Oklahoma)
Franklin C. Rembert Jr., M.D. (Louisiana
State)

Visiting Assistant Professors

Vincent H. Bradley, M.B., B. Ch. (Belfast,
Northern Ireland)
Jerome Cotter, M.B., B.S. (London)
K.M. Morrison, M.B., B.S. (Baghdad)

Clinical Associate Professors

Harold B. Crasilneck, Ph.D. (Houston)
Harriette L. Livingston, M.D. (Washington)
Vayden F. Stanley, M.D. (UT Southwestern)

Clinical Assistant Professors

Raymond F. Courtin, L.R.C.P. (St. Thomas)
Ivey E. Lamberth Jr., M.D. (Baylor)
Marvin J. Noble, M.D. (UT Southwestern)
Charles C. Tandy, M.D. (UT Southwestern)
Joe B. Wood, M.D. (Baylor)
Cecil G. Yarbrough, M.D. (Baylor)

Clinical Instructors

Robert A. Hamblen, M.D. (UT Southwestern)
Larry D. Petty, M.D. (UT Southwestern)
H. Don Smith, M.D. (UT Southwestern)

Associates

Virginia R. Allen, M.D. (Northwestern)
Richard D. Ankele, M.D. (UT Galveston)
Jack H. Bankhead, M.D. (Creighton)
William D. Baird, M.D. (UT Galveston)
George P. Beck, M.D. (UT Galveston)
Harold C. Boehning, M.D. (UT Southwestern)
Normand M. Bremner, Ch.B. (Edinburgh)
Donovan Cambell, M.D. (UT Southwestern)
Perry Carroll Jr., M.D. (UT Southwestern)
Philip B. Cochran, M.D. (Ohio State)
Charles A. Cohen, M.D. (Albert Einstein)
Robert L. Cohn, M.D. (UT Southwestern)
Frank Coufal Jr., M.D. (UT Southwestern)
John R. Deen, M.D. (Louisville)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

George E. Emmett, M.D. (UT Southwestern)
 Harold E. Gaspar, M.D. (Oklahoma)
 Monica M. Ginderske, M.D. (Loyola)
 Gordon I. Goldstein, M.D. (Tennessee)
 Jack A. Gray, M.D. (UT Southwestern)
 Emmett W. Greif, M.D. (Baylor)
 Henry C. Guynes, M.D. (Tulane)
 Minor L. Huck, M.D. (Tulane)
 Jackie H. Hunt, M.D. (Tulane)
 Raymond J. Jerome, M.D. (UT Southwestern)
 Charles L. Maimbourg, M.D. (Oklahoma)
 Franz W. Matos, M.D. (Santo Domingo)
 Billy J. McIntosh, Ph.D., M.D. (Chicago,
 Louisville)
 Shirley A. Moore, M.D. (Kentucky)
 James M. Morgan, M.D. (UT Southwestern)
 Donald D. Morrison, M.D. (Chicago)
 Gerald G. Mullikin, M.D. (UT Southwestern)
 Rupert M. Pollard, M.D. (UT Southwestern)
 Louis H. Porter, M.D. (UT Galveston)
 M.K.N. Rao, M.D. (Mysore, India)
 Edward R. Roberts, M.D. (UT Galveston)
 Karl F. Roehrig, M.D. (Colorado)
 Robert Romero, M.D. (National, Mexico)
 Charles M. Sloan, M.D. (UT Southwestern)
 Law Sone Jr., M.D. (Ut Southwestern)
 Martine G. Tirmenstein, M.D. (Tennessee)
 Pedro E. Vidal, M.D. (Santo Domingo)
 Bruns A. Watts Jr., M.D. (UT Galveston)
 John T. Whitley, M.D. (UT Southwestern)
 L.R. Wilson Jr., M.D. (UT Southwestern)
 Robert A. Yearly, M.D. (UT Galveston)

Postdoctoral Fellows

Stanley E. Borum, Paul S. Clayton,
 William R. Engvall, H. Jane Firth, Gary
 W. Miller, John R. Muir, Martha J. Tod,
 Michael J. Sakowski

DEPARTMENT OF
BIOCHEMISTRY

Virginia Lazenby O'Hara Professor and Chairman
 Ronald W. Estabrook, Ph.D. (Rochester)

Emeritus Professor

Herbert C. Tidwell, Ph.D. (Johns Hopkins)

Professors

Walter B. Dempsey, Ph.D. (Michigan)
 John M. Johnston, Ph.D. (Colorado)
 Joseph LoSpalluto, Ph.D. (New York)
 Morton D. Prager, Ph.D. (Purdue)
 Paul A. Srere, Ph.D. (California)
 Donald S. Wiggans, Ph.D. (Illinois)

Associate Professors

Ronald A. Butow, Ph.D. (Cornell)
 G. Larry Cottam, Ph.D. (Michigan)
 Rene Frenkel, Ph.D. (Cornell)
 Louis B. Hersch, Ph.D. (Brandeis)
 Bettie S. Masters, Ph.D. (Duke)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

John D. McGarry, Ph.D. (Manchester)
 Julian A. Peterson, Ph.D. (Michigan)
 Kosaku Uyeda, Ph.D. (California)

Assistant Professors

Gerald R. Faloona, Ph.D. (Florida)
 Tracy C. Linn, Ph.D. (Minneapolis)
 Charles E. Mize, Ph.D. (Johns Hopkins)
 Russell A. Prough, Ph.D. (Oregon State)
 E. Glen Richards, Ph.D. (California)
 Michael R. Waterman, Ph.D. (Oregon)

Research Assistant Professors

Diether Polheim, Ph.D. (Graz, Austria)
 Jurgen Werringloer, Ph.D. (Freiburg,
 W. Germany)
 Kotaro Yamaoka, Ph.D. (Kyushu, Japan)

Instructors

Luean A. Anthony, Ph.D. (Mass. Institute
 of Technology)
 Brenda Griffin, Ph.D. (Duke)
 Fumio Kuma, M.D. (Kyushu, Japan)
 Takashi Matsubara, Ph.D. (Osaka, Japan)

Teaching Associate

Gustavo Martinez-Zedillo, Ph.D. (Mexico
 City)

Adjunct Professors

John J. Banewicz, Ph.D. (Rice)
 Harold A. Jeskey, Ph.D. (Wisconsin)

Adjunct Associate Professor

Edward Biehl, Ph.D. (Pittsburgh)

Adjunct Assistant Professor

Edward Bellion, Ph.D. (Leeds, England)

Research Fellows

Michael Burke, Augustine H. Chuang,
 Roger Johnson, Amal Mukherjee, Candadai
 Ramadoss, Durwood B. Ray

Postdoctoral Fellows

Donald Warpenter, David Finkelstein,
 Marilyn Jorns, Kenneth Valentine

DEPARTMENT OF
 CELL BIOLOGY

Professor and Chairman

Rupert E. Billingham, Ph.D., D.Sc. (Oxford,
 England)

Professors

Charles R. Hackenbrock, Ph.D. (Columbia)
 William H. Knisely, Ph.D. (South Carolina)
 J. Wayne Streilein, M.D. (Pennsylvania)
 Hal T. Weathersby, Ph.D. (Tulane)

Associate Professor

Alan E. Beer, M.D. (Indiana)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Assistant Professors

Richard G.W. Anderson, Ph.D. (Oregon)
 Peter M. Andrews, Ph.D. (Tulane)
 Robert D. Ashworth, Ph.D. (UT Southwestern)
 Robert S. Decker, Ph.D. (Iowa)
 Grover C. Ericson, Ph.D. (Loyola)
 William J. Gonyea, Ph.D. (Chicago)
 Frederick L. Grinnell, Ph.D. (Tufts)
 Vernon K. Miyamoto, Ph.D. (Johns Hopkins)
 Edward J. Moticka, Ph.D. (Illinois)
 William B. Neaves, Ph.D. (Harvard)
 Howard R. Toben, Ph.D. (Ohio State)

Adjunct Emeritus Professor

Charles G. Duncan, M.D. (Vanderbilt)

Research Fellows

Raymond M. Chau, Stephen C. Grebe, Judith
 R. Head

Postdoctoral Fellows

J.S. Cochran, H.H. Kaplan, J.R. Scott

DEPARTMENT OF
INTERNAL MEDICINE

(Including the Divisions of Dermatology,
 Medical Genetics and Preventive Medicine
 & Public Health)

William Buchanan Professor and Chairman

Donald W. Seldin, M.D. (Yale)

Professors

Jack A. Barnett, M.D. (UT Southwestern)
 Fouad A. Bashour, M.D. (American at
 Beirut) Ph.D. (Minnesota)
 Norman W. Carter, M.D. (UT Southwestern)
 John S. Chapman, M.D. (UT Galveston)
 Burton Combes, M.D. (Columbia)
 Walter P. Dempsey, Ph.D. (Michigan)
 John M. Dietschy, M.D. (Washington)
 George A. Edwards, M.D. (UT Southwestern)
 Seymour Eisenberg, M.D. (Bowman Gray)
 Ervin Erdos, M.D. (Munich, Germany)
 John S. Fordtran, M.D. (Tulane)
 Daniel W. Foster, M.D. (UT Southwestern)
 Eugene P. Frenkel, M.D. (Michigan)
 Robert L. Johnson Jr., M.D. (Northwestern)
 Norman M. Kaplan, M.D. (UT Southwestern)
 James P. Knochel, M.D. (Loyola)
 Leonard L. Madison, M.D. (Long Island)
 William F. Miller, M.D. (Western Reserve)
 Jere H. Mitchell, M.D. (UT Southwestern)
 Alan K. Pierce, M.D. (Baylor)
 Sami I. Said, M.D. (Cairo)
 Jay P. Sanford, M.D. (Michigan)
 Holbrooke S. Seltzer, M.D. (Michigan)
 J. Donald Smiley, M.D. (Johns Hopkins)
 Charles C. Sprague, M.D. (UT Galveston)
 Paul A. Srere, Ph.D. (California, Berkeley)
 Ralph Tompsett, M.D. (Cornell)
 Jonathan Uhr, M.D. (New York)
 Roger H. Unger, M.D. (Columbia)
 Jean D. Wilson, M.D. (UT Southwestern)
 Morris Ziff, M.D., Ph.D. (New York)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Associate Professors

C. Gunnar Blomqvist, M.D., Ph.D. (Lund, Sweden)
 Raj K. Goyal, M.D. (Maulana Azard)
 Eric R. Hurd, M.D. (Oklahoma)
 Hugo E. Jasin, M.D. (Buenos Aires)
 Waldemar G. Johanson, M.D. (Minnesota)
 Juha P. Kokko, M.D. (Emory)
 James P. Luby, M.D. (Northwestern)
 J. Denis McGarry, Ph.D. (Manchester)
 Charles B. Mullins, M.D. (UT Southwestern)
 Robert L. North, M.D. (Louisiana State)
 Charles C. Pak, M.D. (Chicago)
 William A. Pettinger, M.D. (Creighton)
 William Shapiro, M.D. (Duke)
 James W. Smith, M.D. (Louisville)
 Paul M. Southern Jr., M.D. (UT Southwestern)
 Pedro Stastny, M.D. (San Marcos)
 J. Wayne Streilein, M.D. (Pennsylvania)
 Kosaku Uyeda, Ph.D. (California, Berkeley)
 C. Kern Wildenthal, M.D. (Baylor) Ph.D. (Cambridge)
 James C. Willerson, M.D. (Baylor)
 Bryan Williams Jr., M.D. (UT Southwestern)

Assistant Professors

James M. Atkins, M.D. (UT Southwestern)
 Frederick A. Bieberdorf, M.D. (UT Southwestern)
 David Bilheimer, M.D. (Pennsylvania)
 Michael S. Brown, M.D. (Pennsylvania)
 James Gilliam, M.D. (Baylor)
 Joseph Goldstein, M.D. (UT Southwestern)
 Celso E. Gomez-Sanchez, M.D. (San Marcos, Peru)
 James H. Herndon Jr., M.D. (UT Southwestern)
 Randall Holmes, M.D., Ph.D. (New York)
 Alan R. Hull, M.D. (Manitoba)
 Arnold H. Israelit, M.D. (Buffalo)
 Stephen J. Jay, M.D. (Indiana)
 Robert L. Johnson, M.D. (Minnesota)
 Stephen Jones, M.D. (Iowa)
 David Kem, M.D. (Columbia)
 Steven J. Leshin, M.D. (Illinois)
 Kirk Lipscomb, M.D. (Louisiana)
 Dewey Long, M.D. (Northwestern)
 Donald S. Mierzwiak, M.D. (St. Louis)
 David Mischelevich, M.D., Ph.D. (Johns Hopkins)
 Ronald C. Prati, M.D. (Florida)
 Philip Raskin, M.D. (Pittsburg)
 K. Joy Robertson, M.D. (UT Southwestern)
 Glen Richards, Ph.D. (California, Berkeley)
 Charles Richardson, M.D. (UT Southwestern)
 J. Edward Rosenthal, M.D. (UT Southwestern)
 Richard G. Sheehan, M.D. (Cornell)
 James W. Shorey, M.D. (Albany)
 Spencer Shropshire, M.D. (UT Southwestern)
 Thomas Smitherman, M.D. (Georgia)
 Marvin J. Stone, M.D. (Chicago)
 Charles O. Walker, M.D. (UT Southwestern)
 Athol J. Ware, M.D. (Sydney, Australia)
 Martin G. White, M.D. (Northwestern)
 James E. Wilson III, M.D. (Tulane)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Visiting Assistant Professors

Masashi Imai, M.D. (Tokyo)
Patrick C. Walsh, M.D. (Case Western
Reserve)

Instructor

Philip Raskin, M.D. (Pittsburg)

Teaching Associates

Mary Jo Harrod, Ph.D. ((UT Southwestern)
Masahiro Ohata, M.D. (Tokyo)

Postdoctoral Fellows

James L. Barnhart, Norma Battles, Jay A. Bianco, Robert M. Blankenship, Roger C. Bone, James Bordelon, Patricia G. Brannan, Raymond F. Burk Jr., Lincoln J. Bynum, Michael S. Donsky, P. Bailey Francis, Edward L. Goodman, Kenneth Gould, James B. Gross, Gary D. Harris, M. Dean Harris, John R. Higgins, Owen B. Holland, Ian Hutton, Hitoshi Ishikawa, M. Tracy Johnson, Roy Kaplan, Theodore A. Keith, Carlos Kier, Claudio Lehmann, Lon D. Lewis, Steven L. Meyer, Thomas F. Parker III, Carlos H. Ramirez-Ronda, Steve Rinner, Moshe Rosenthal, Sheldon E. Schwartz, Gabriel Shapiro, H. Phillips Stall, Jeffrey D. Thorley, Antonios H. Tzamaloukas, James Van Gelder, Pedro Vergne-Marini, Henrik Westergaard, Robert E. Wolf

Research Fellows

Masood Ahmad, Camilo G. Barcenas, Enrique Blasquez, Roger C. Camp, A. Roberto Chacra, Roger D. Christensen, Mark D. Dalton, Richard Dobbs, Abram M. Eisenstein, Jay Elms, William D. English, Thomas J. Fuller, Yoshikuni Fugita, William M. Hensley, Lawrence L. Hoberman, Satoshi Kawamura, Carlos Lavallo, Michael C. Moore, Brij N.S. Myer, Paul E. Parker, James E. Rogers, Hideo Sakurai, Hideo Sasaki, Jack L. Schwade, Hans-Udo Schweikert

Clinical Emeritis Professors

Gilbert E. Brereton, M.D. (Wisconsin)
David W. Carter Jr., M.D. (Johns Hopkins)
Everett C. Fox, M.D. (Baylor)
Tate Miller, M.D. (Vanderbilt)
Milford O. Rouse, M.D. (Baylor)
Jesse Shelmire Sr., M.D. (Columbia)

Clinical Professors

Drury S. Blair, M.D. (Baylor)
Donald S. Brown, M.D. (UT Southwestern)
George H. Carman, M.D. (Cornell)
Howard C. Coggeshall, M.D. (Indiana)
William M. Daily, M.D. (Arkansas)
W.L. Jack Edwards, M.D. (UT Southwestern)
Winfrey W. Goldman, M.D. (UT Southwestern)
Marion J. Greve, M.D. (Harvard)
Thomas H. Harvill, M.D. (UT Galveston)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

E. Russell Hayes, M.D. (Baylor)
 Howard E. Heyer, M.D. (Illinois)
 J. Morris Horn, M.D. (Pennsylvania)
 James B. Howell, M.D. (Baylor)
 Coleman Jacobson, M.D. (Iowa)
 George M. Jones, M.D. (Baylor)
 Jacob S. Krakusin, M.D. (Northwestern)
 Billy B. Oliver, M.D. (UT Southwestern)
 Cecil O. Patterson, M.D. (Baylor)
 John R. Pierce, M.D. (UT Southwestern)
 C. Jack Price, B.A. (Catawba College)
 Arthur G. Schoch, M.D. (UT Galveston)
 Maurice M. Scurry, M.D. (UT Galveston)
 Samuel Shelburne Sr., M.D. (Pennsylvania)
 Elias Strauss, M.D. (Columbia)
 Paul J. Thomas, M.D. (Baylor)
 William O. Tschumy, M.D. (Northwestern)
 Arthur S. Weston, M.D. (Michigan)
 Julius Wolfram, M.D. (Columbia)

Clinical Associate Professors

John B. Allen, M.D. (Northwestern)
 Robert B. Allison, M.D. (UT Southwestern)
 James O. Armstrong, M.D. (Baylor)
 Charles L. Austin, M.D. (UT Southwestern)
 B. Orland Baker, M.D. (UT Southwestern)
 Robert K. Bass, M.D. (Tulane)
 Wallace H. Bassett, M.D. (Baylor)
 John T. Binion, M.D. (UT Southwestern)
 Richard E. Block, M.D. (UT Galveston)
 David M. Bornstein, M.D. (Baylor)
 John G. Brau, M.D. (Baylor)
 Stuart M. Brown, M.D. (Maryland)
 Robert D. Campbell, M.D. (UT Southwestern)
 Robert S. Capper, M.D. (Ohio State)
 Henry F. Carman, M.D. (Baylor)
 John P. Cheek, M.D. (Arkansas)
 Edwin M. Cleveland, M.D. (Baylor)
 Paul W. Cochran, M.D. (UT Galveston)
 Richard L. Eddy, M.D. (Jefferson)
 John P. Fischer, M.D. (Tulane)
 Robert Giles Jr., M.D. (Harvard)
 William A. Godfrey, M.D. (UT Southwestern)
 James E. Goode, M.D. (Tulane)
 Arvel E. Haley, M.D. (Baylor)
 C. Farrell Hamilton, M.D. (St. Louis)
 William O. Hargrove, M.D. (Tulane)
 James H. Herndon, M.D. (Baylor)
 Richard G. Hosford, M.D. (Harvard)
 Richard B. Hunter, M.D. (Louisiana)
 Fred F. Johnston Jr., M.D. (Pennsylvania)
 Arnold H. Kassanoff, M.D. (Tulane)
 John L. Kestel Jr., M.D. (Creighton)
 William L. Kraus, M.D. (Harvard)
 James S. Lowry, M.D. (UT Galveston)
 Morris E. Magers, M.D. (Baylor)
 Porter K. Mason, M.D. (Baylor)
 Benjamin A. Merrick, M.D. (Baylor)
 Daniel E. Polter, M.D. (UT Southwestern)
 Robert K. Portman, M.D. (Baylor)
 Robert J. Potts, M.D. (Buffalo)
 Timothy D. Reedy, M.D. (UT Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Joseph Riddell Jr., M.D. (Baylor)
 Edwin L. Rippy, M.D. (Baylor)
 Albert D. Roberts, M.D. (UT Southwestern)
 Joseph E. Rothschild, M.D. (Baylor)
 R. Neil Schneiderman, M.D. (Northwestern)
 Jack C. Sellman, M.D. (Utah)
 David E. Streitmatter, M.D. (Virginia)
 J. Shirley Sweeney, M.D. (Vanderbilt)
 Bobby L. Temple, M.D. (UT Galveston)
 Russell H. Wilson, M.D. (Minnesota)

Clinical Assistant Professors

Lee J. Alexander, M.D. (Tulane)
 David S. Alkek, M.D. (UT Southwestern)
 Michael J. Anigian, M.D. (St. Louis)
 John S. Bagwell, M.D. (Baylor)
 Herbert A. Bailey, M.D. (UT Southwestern)
 James M. Blain, M.D. (UT Southwestern)
 Bassel N. Blanton, M.D. (UT Galveston)
 James Y. Bradfield, M.D. (UT Galveston)
 Martin S. Buehler, M.D. (Minnesota)
 Anton E. Caroe, M.D. (UT Southwestern)
 Zaven H. Chakmakjian, M.D. (American at
 Beirut)
 Joseph B. Cobb, M.D. (UT Southwestern)
 Paul K. Conner Jr., M.D. (Baylor)
 Chester E. Cook, M.D. (UT Southwestern)
 Robert H. Craig, M.D. (Toronto)
 Ivan E. Cushing Jr., M.D. (UT Southwestern)
 Richard A. Dathe, M.D. (Baylor)
 Joseph Davidson Jr., M.D. (UT Southwestern)
 Tom M. Dees, M.D. (UT Southwestern)
 George T. Devaney, M.D. (UT Southwestern)
 Donald N. Dubrow, M.D. (Jefferson)
 John A. Emmert, M.D. (Baylor)
 Stephen Eppstein, M.D. (UT Southwestern)
 Charles R. Everett, M.D. (Ohio State)
 Maynard F. Ewton, M.D. (Baylor)
 Leonard J. Flohr, M.D. (Virginia)
 Jabez Galt, M.D. (Baylor)
 Frederick Geist, M.D. (Western Reserve)
 Philip Goodman, M.D. (Washington)
 William C. Grater, M.D. (Illinois)
 Albert F. Hendler, M.D. (Harvard)
 Maurice E. Herring, M.D. (UT Galveston)
 William M. Hibbitts, M.D. (Vanderbilt)
 Paxton H. Howard Jr., M.D. (Baylor)
 George A. Hurst, M.D. (UT Southwestern)
 John W. Hyland, M.D. (Washington)
 Charles E. Jarrett, M.D. (Georgia)
 W. Cone Johnson, M.D. (UT Galveston)
 Sarkis J. Kechejian, M.D. (Boston)
 Lee R. Kern, M.D. (UT Galveston)
 Carey King Jr., M.D. (UT Galveston)
 Charles L. Mahaney, M.D. (UT Southwestern)
 Michael M. Markowitz, M.D. (Basel)
 David L. McCaffree, M.D. (Temple)
 Howard McClure Jr., M.D. (Rochester)
 Roberts S. Meador, M.D. (UT Southwestern)
 Matthew H. Metz, M.D. (Baylor)
 Lawrence B. Meyerson, M.D. (Ohio State)
 Henry B. Mobley, M.D. (UT Southwestern)
 Jerome M. Naftalis, M.D. (Seton Hall)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Willaim N. New, M.D. (Oklahoma)
 Thomas Obenchain Jr., M.D. (UT Galveston)
 Joseph C. Ogle, M.D. (Tulane)
 Pedro N. Paez, M.D. (Cordoba National)
 Robert C. Page, M.D. (UT Southwestern)
 Taylor T. Pickett, M.D. (Baylor)
 Murray Pizette, M.D. (New York)
 Joaquin F. Pombo, M.D. (Cartagena)
 Richard J. Puls, M.D. (Washington, St.
 Louis)
 Merrick H. Reese, M.D. (UT Southwestern)
 Harry Renken Jr., M.D. (UT Southwestern)
 William Reynolds Jr., M.D. (Louisville)
 Edward S. Ross, M.D. (Baylor)
 Lige B. Rushing, M.D. (Baylor)
 Joseph T. Sams, M.D. (Cornell)
 William H. Schindel, M.D. (Temple)
 Eugene Schoch Jr., M.D. (UT Galveston)
 George S. Schools, M.D. (Virginia)
 Jesse Shelmire Jr., M.D. (Chicago)
 Louis Shlipak, M.D. (UT Southwestern)
 Charles B. Shuey Jr., M.D. (UT Southwestern)
 Walter N. Skinner, M.D. (UT Southwestern)
 Rolando M. Solis, M.D. (Far Eastern)
 Andrew Stenhouse, M.D. (Otago)
 Martin L. Stephenson, M.D. (Baylor)
 Richard C. Stone, M.D. (Duke)
 Hsi C. Teng, M.D. (St. John's, China)
 F. Warren Tingley Jr., M.D. (Emory)
 E.G. Troutman, M.D. (S. California)
 Frederick Veninga, M.D. (St. Louis)
 Jose Viroslav, M.D. (National Mexico)
 David R. Weakley, M.D. (Johns Hopkins)
 Wilson Weatherford, M.D. (UT Southwestern)
 Ann West, M.D. (Baylor)
 James T. Wheeler, M.D. (Johns Hopkins)
 John W. Wheeler, M.D. (Minnesota)
 Philip Whittlesey, M.D. (UT Southwestern)
 Owen D. Williams, M.D. (UT Southwestern)
 Henry M. Winans Jr., M.D. (Baylor)
 Turner A. Wood, M.D. (Arkansas)
 Buck J. Wynne Jr., M.D. (Washington)

Clinical Instructors

John C. Bagwell, M.D. (Baylor)
 Thomas S. Barnes, M.D. (UT Galveston)
 James F. Biggart, M.D. (Tulane)
 Alan Brodsky, M.D. (Washington, St.
 Louis)
 Franklin L. Casey, M.D. (UT Southwestern)
 Gerald A. Casid, M.D. (Albany)
 William Cheers Jr., M.D. (Duke)
 Don E. Cheatum, M.D. (Washington, St.
 Louis)
 Martin B. Cohen, M.D. (UT Southwestern)
 John A. Collyns, M.D. (Cambridge)
 Leonard J. Comess, M.D. (Northwestern)
 Franklin L. Crawford, M.D. (UT Southwestern)
 John A. Dickinson, M.D. (UT Southwestern)
 Michael M. Ditto, M.D. (UT Southwestern)
 Amado E. Dominquez, M.D. (Havana)
 Samuel Y. Dorfman Jr., M.D. (UT
 Southwestern)
 Francis C. Douglas, M.D. (UT Southwestern)
 Walter P. Dyck, M.D. (Kansas)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Ted L. Edwards Jr., M.D. (UT Southwestern)
 Richard T. Ellington, M.D. (UT Southwestern)
 Allen M. Fain, M.D. (UT Southwestern)
 Stanley Feld, M.D. (New York)
 John W. Fisher, M.D. (Louisiana State)
 E. Nelson Forsyth Jr., M.D. (Baylor)
 Hanes M. Fowler, M.D. (Chicago)
 Stuart A. Frank, M.D. (Tulane)
 Sol J. Freeman, M.D. (Louisiana State)
 Jose A. Garcia, M.D. (Havana)
 Joseph M. Glicksman, M.D. (UT Galveston)
 Joseph D. Goldstritch, M.D. (UT Southwestern)
 C. Leroy Goodman, M.D. (Oklahoma)
 John Grammer, M.D. (UT Southwestern)
 Paul A. Greenberg, M.D. (Missouri)
 Russell F. Griffith, M.D. (UT Galveston)
 Guillermo Guzman, M.D. (Mexico Nacional)
 Elizabeth Haaland, M.D. (Minnesota)
 Max B. Hagedorn, M.D. (Loyola)
 Norwood O. Hill M.D. (Baylor)
 David W. Hines, M.D. (Northwestern)
 Bertram Kahn, M.D. (Louisville)
 Ira Kassanoff, M.D. (UT Southwestern)
 Harold W. Kimmerling, M.D. (Virginia)
 Fernan F. Lara, M.D. (Mexico)
 Jan E. Loudermilk, M.D. (UT Southwestern)
 John S. Marietta, M.D. (Harvard)
 Eugene E. Mason, M.D. (Baylor)
 Stuart A. Mason, M.D. (New York)
 James R. McAlister, M.D. (UT Southwestern)
 Michael L. McCullough, M.D. (UT Southwestern)
 Arch J. McNeill, M.D. (Baylor)
 Ervin R. Miller, M.D. (Baylor)
 Robert Mitz, M.D. (UT Galveston)
 Sterling E. Moore, M.D. (UT Galveston)
 Melvin D. Morgan, M.D. (Louisiana)
 M. Gayle Mullanaz, M.D. (UT Galveston)
 Donald W. Munsell, M.D. (Baylor)
 Joseph B. Murphy, M.D. (Loyola)
 Joseph R. Mussell, M.D. (Temple)
 Richard P. Norgaard, M.D. (UT Southwestern)
 Donald G. Pansegrau, M.D. (Iowa)
 Fred G. Popkess, M.D. (Oklahoma)
 Allan E. Price, M.D. (UT Galveston)
 Paul M. Rattan, M.D. (Baylor)
 Norwin G. Ray, M.D. (UT Galveston)
 Sanford M. Reich, M.D. (Albany)
 Paul L. Richburg, M.D. (UT Southwestern)
 Tom Ray Roberts, M.D. (UT Galveston)
 Herman Rose, M.D. (UT Southwestern)
 William Rosenblatt, M.D. (Baylor)
 Robert E. Rossman, M.D. (UT Galveston)
 Robert A. Scott, M.D. (UT Galveston)
 David S. Shelmire, M.D. (Washington, St.
 Louis)
 Wilma F. Shields, M.D. (Washington, St.
 Louis)
 Joseph Somer, M.D. (UT Southwestern)
 Roy E. Spencer, M.D. (UT Southwestern)
 Richard B. Swint, M.D. (Baylor)
 Riyad A. Taha, M.D. (Beirut, Lebanon)
 Herman Ulevitch, M.D. (Cincinnati)
 Kerfoot P. Walker, M.D. (UT Southwestern)
 John M. Whitfill, M.D. (UT Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Associate

David A. Haymes, M.D. (UT Southwestern)

Assistants

Gordon L. Bilbrey, M.D. (Cincinnati)

Naon J. Harris, M.D. (Arkansas)

Division of
DermatologyJesse B. Shelmire Assistant Professor and Chairman
James H. Herndon Jr., M.D. (UT Southwestern)

Assistant Professor

James N. Gilliam, M.D. (Baylor)

Clinical Emeritus Professors

Everett C. Fox, Ph.G., M.D. (Baylor)

Jesse B. Shelmire Sr., M.D. (Columbia)

Clinical Professors

D. Shelton Blair, M.D. (Baylor)

James B. Howell, M.D. (Baylor)

Coleman Jacobson, M.D. (Iowa)

Arthur G. Schoch, M.D. (UT Galveston)

Clinical Associate Professors

J. Gilmore Buau, M.D. (Baylor)

Stuart M. Brown, M.D. (Maryland)

John P. Cheek, M.D. (Arkansas)

John L. Kestel Jr., M.D. (Creighton)

J. Murray Riddell, M.D. (Baylor)

R. Neal Schneiderman, M.D. (Northwestern)

Clinical Assistant Professors

Lee J. Alexander, M.D. (Johns Hopkins)

David S. Alkek, M.D. (UT Southwestern)

A. Edward Caroe, M.D. (UT Southwestern)

David L. McCaffree, M.D. (Temple)

Lawrence B. Meyerson, M.D. (Ohio)

William N. New, M.D. (Oklahoma)

Eugene Schoch Jr., M.D. (UT Galveston)

J. Bedford Shelmire Jr., M.D. (Chicago)

David R. Weakley, M.D. (Johns Hopkins)

Clinical Instructors

Gerald A. Casid, M.D. (Albany)

John A. Dickinson, M.D. (UT Southwestern)

Hanes M. Fowler, M.D. (Chicago)

Joseph M. Glicksman, M.D. (UT Galveston)

Russell F. Griffith, M.D. (UT Galveston)

C. Leroy Goodman, M.D. (Oklahoma)

Elizabeth Haaland, M.D. (Minnesota)

M. Gayle Mullanax, M.D. (UT Galveston)

Lloyd M. Reedy, D.V.M. (Texas A&M)

Robert E. Rossman, M.D. (UT Galveston)

Robert A. Scott, M.D. (UT Galveston)

David S. Shelmire, M.D. (Washington, St.
Louis)

Richard B. Swint, M.D. (Baylor)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'dDivision of
Medical GeneticsAssistant Professor and
Head of Division
Joseph L. Goldstein, M.D. (UT Southwestern)Fellow
Mary J.E. HarrodDivision of Preventive
Medicine & Public HealthProfessor and Chairman
Jack A. Barnett, M.D. (UT Southwestern)Professor
Jay P. Sanford, M.D. (Michigan)Associate Professors
Waldemar G. Johanson, M.D. (Minnesota)
James W. Smith, M.D. (Louisville)Assistant Professors
Stephen R. Jones, M.D. (Iowa)
James P. Luby, M.D. (Northwestern)
Spencer Shropshire Jr., M.D. (UT Southwestern)DEPARTMENT OF COMMUNITY MEDICINE
& ENVIRONMENTAL HEALTHAssociate Professor and Chairman
Spencer Shropshire Jr., M.D. (UT Southwestern)Assistant Professors
Bill F. Jones, M.S. (Oklahoma)
David J. Pillow, M.S.D. (George Washington)

DEPARTMENT OF MICROBIOLOGY

Professor and Chairman
Jonathan W. Uhr, M.D. (New York)Professors
Richard A. Finkelstein, Ph.D. (UT Austin)
Robert M. Pike, Ph.D. (Brown)Associate Professors
Jan Klein, Ph.D. (Prague)
Eugene D. Rosenblum, Ph.D. (Wisconsin)Assistant Professors
Mary Boesman, Ph.D. (New York)
David A. Hart, Ph.D. (Michigan)
Kathryn V. Holmes, Ph. D. (Rockefeller)
John R. Kettman Jr., Ph.D. (Oregon)
Barbara A. Minschew, Ph.D. (UT Southwestern)
Donald V. Moore, Ph.D. (Rice)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Postdoctoral Fellows

Sarah Anne Goodman, Sim Hee Neoh,
Ulrich Melcher, Mary Sawyer

DEPARTMENT OF
MEDICAL COMPUTER SCIENCE

Assistant Professor and Chairman
David J. Mishelevich, M.D., Ph.D.
(Johns Hopkins)

Instructors

Susan G. Mize, B.A. (Skidmore)
J. Wesley Norred, B.A. (Arizona)
John F. Peters, Ph.D. (Southern Methodist)
Lynn L. Peterson, M.A. (Michigan)

DEPARTMENT OF
NEUROLOGY

Assistant Professor and Acting Chairman
Ralph G. Greenlee Jr., M.D. (Tulane)

Professors

Michael E. Blaw, M.D. (Chicago)
David D. Daly, M.D., Ph.D. (Minneapolis)
Alvin J. North, Ph.D. (Yale)

Associate Professor

Richard R. North, M.D. (Kingston, Ontario)

Assistant Professors

Paul S. Michaelson, M.D. (UT Southwestern)
Josephine Simonson, M.A. (Wisconsin)

Instructors

Lorand Fekete, M.D. (Tirgu Mures, Rumania)
Kenneth A. Gaddis, M.D. (Louisiana State)

Clinical Associate Professor

Leonard R. Carney, M.B., Ch.B. (Scotland)

Clinical Assistant Professors

Donnell F. Johns, Ph.D. (Florida)
Ludlow K. Pence, M.D. (Baylor)

Clinical Instructors

Stuart B. Black, M.D. (Indiana)
John W. Conwell, M.D. (Western Reserve)
Joseph S. Jenike, M.D. (Cincinnati)
Sheff D. Olinger, M.D. (Virginia)

DEPARTMENT OF
OBSTETRICS AND GYNECOLOGY

Professor and Chairman

Paul C. MacDonald, M.D. (UT Southwestern)

Professors

Reuben H. Adams, M.D. (Duke)
John Porter, Ph.D. (Iowa State)
Jack A. Pritchard, M.D. (Western Reserve)
Peggy J. Whalley, M.D. (UT Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Associate Professors

Alan Beer, M.D. (Indiana)
 Uel Crosby, M.D. (UT Southwestern)
 Creighton L. Edwards, M.D. (UT Southwestern)
 Norman F. Gant, M.D. (UT Southwestern)
 Daniel E. Scott, M.D. (UT Southwestern)

Assistant Professors

Duck J. Choi, M.D. (Korea)
 F. Gary Cunningham, M.D. (Louisiana State)
 Johann Duenhoelter, M.D. (Kiel, Germany)
 James A. Hall, M.D. (UT Southwestern)
 Juan Jimenez, M.D. (San Carlos, Guatemala)
 James Madden, M.D. (Stritch)
 Frances Martin, M.D. (UT Galveston)
 Leon Milewich, D.Sc. (Buenos Aires, Argentina)
 Anne Race, M.D. (UT Southwestern)
 Charles Rosenfeld, M.D. (Emory)
 Rigoberto Santos, M.D. (San Carlos, Guatemala)
 James Scott, M.D. (Iowa)
 James Strong, M.D. (Baylor)
 Eugene Van Herrin, M.D. (Georgia)

Instructors

Barbara S. Cambridge, M.Sc. (Atlanta)
 Sandra J. Legan, Ph.D. (Michigan)

Teaching Assistants

John Parker, M.D. (UT Southwestern)
 John Scott, M.D. (Alabama)
 Don Smith Jr., M.D. (UT Galveston)

Research Fellows

J.L. Barnard, M.A. Bayly, B.S. Bojesen,
 B.R. Carr, D.E. Coco, N. Doss, C. Edman,
 T. Fogwell, T. Frank, R. Hahn, A.J. Jacobs,
 T.A. Kahan, M. Kudla, W.S. Livesay, J.R.
 McCauley, J.H. McCubbin, J.B. Miller III,
 B. Price, R.W. Rebar, C.J. Rolle, B.
 Rothschild, I. Rovner, E.M. Schultz, B.
 Schwarz, S. Shormaker, E.H. Silverstein,
 C.R. Stanhope, A. Winters, T.K. Young

Clinical Professors

Frank Council, M.D. (UT Southwestern)
 William P. Devereux, M.D. (UT Galveston)
 James Downs, M.D. (UT Galveston)
 Charles P. Guerriero, M.D. (Louisiana State)
 Donald Harrel, M.D. (Oklahoma)
 Harwin Jamison, M.D. (UT Galveston)
 Herman Kantor, M.D. (Bellevue)
 Oran Prejean, M.D. (Tulane)
 W.K. Strother Jr., M.D. (UT Galveston)
 Jules Vieaux, M.D. (St. Louis)

Clinical Associate Professors

Marvin Gerad, M.D. (New York)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

James Goodson, M.D. (UT Southwestern)
 Hodgie Henderson, M.D. (UT Southwestern)
 E.T. Herndon, M.D. (UT Southwestern)
 J. Russell Jordan, M.D. (Rochester)
 W.G. Langston, M.D. (Baylor)
 Luis Leib, M.D. (UT Southwestern)
 Donald McGuire, M.D. (Michigan)
 E.B. Mendel, M.D. (UT Galveston)
 G.C. Nabors, M.D. (Bowman Gray)
 Pelham Staples, M.D. (Georgia)
 Sheldon Weinstein, M.D. (Pittsburgh)

Clinical Assistant Professors
 Jay Beck, M.D. (UT Southwestern)
 Fred Bone, M.D. (UT Southwestern)
 David Bookout, M.D. (UT Galveston)
 Stanley Boulas, M.D. (Pennsylvania)
 Robert L. Brannon, M.D. (UT Southwestern)
 Edmond Brophy, M.D. (Illinois)
 Robert Cluck, M.D. (UT Southwestern)
 Stephen Cobb, M.D. (Harvard)
 Vanda Davidson, M.D. (Tulane)
 Allan Disraeli, M.D. (Buffalo)
 Warren Dixon, M.D. (Northwestern)
 Robert Dowling Jr., M.D. (Western Reserve)
 Henry Estess, M.D. (UT Galveston)
 Dennis Factor, M.D. (Marquette)
 Donald Fangman, M.D. (Creighton)
 Joseph Godat, M.D. (Missouri)
 Jack B. Griffin, M.D. (Tulane)
 Marianna Hood, M.D. (Tulane)
 Ben Howard, M.D. (UT Southwestern)
 Mary Jennings, M.D. (Columbia)
 Peter J. Julian, M.D. (Buffalo)
 Jack Kamholz, M.D. (Pennsylvania)
 Harold Kaye, M.D. (Colorado)
 Irwin Kerber, M.D. (New York)
 James Knott, M.D. (UT Southwestern)
 Tracy Kobs, M.D. (Oklahoma)
 Maurice Korkmas, M.D. (UT Galveston)
 Robert Kuhne, M.D. (UT Southwestern)
 Michael Kurilecz, M.D. (UT Galveston)
 Kenneth Leggett, M.D. (Baylor)
 Ronal B. Mason, M.D. (UT Southwestern)
 J. Patrick McCarty, M.D. (Marquette)
 James McCullough, M.D. (UT Galveston)
 Bruce Meek, M.D. (Northwestern)
 Ellis Minton, M.D. (Missouri)
 Hugh Murray, M.D. (Tennessee)
 Philip Newell, M.D. (Wayne)
 Graham Pierce, M.D. (UT Southwestern)
 Dudley Powell, M.D. (Rochester)
 Herbert W. Rumsfeld, M.D. (UT Southwestern)
 Richard Sparr, M.D. (UT Southwestern)
 Stacy R. Stephens, M.D. (Johns Hopkins)
 Stuart Stone, M.D. (Iowa)
 W.K. Strother III, M.D. (Duke)
 George Sullivan, M.D. (UT Southwestern)
 Kenneth Talkington, M.D. (UT Southwestern)
 G. Douglas Tatum, M.D. (Tulane)
 Bruce Terrill, M.D. (Baylor)
 Robert M. Todd, M.D. (Tennessee)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Jack L. Turner, M.D. (Tulane)
 Julian Wells, M.D. (UT Galveston)
 Joseph Wilke, M.D. (Louisville)
 J.O. Williams Jr., M.D. (UT
 Southwestern)
 John Woodward, M.D. (Yale)

Clinical Instructors

Roland Black, M.D. (UT Galveston)
 Max Blend, M.D. (Baylor)
 Fred H. Branan, M.D. (Georgia)
 Donald J. Coney, M.D. (UT Galveston)
 Darwin Fielder, M.D. (Tulane)
 Dorothy Finley, M.D. (Duke)
 Milton Husbands Jr., M.D. (UT
 Galveston)
 Richard Martin, M.D. (Baylor)
 Jean Margaret Matheson, M.D.
 (Toronto, Canada)
 Max R. McGinnis, M.D. (Arkansas)
 Frank C. Morrone, M.D. (Georgetown)
 Robert Lee Prince, M.D. (Meharry)
 Bruce Roberts, M.D. (New York-Downstate)
 John Stuart, M.D. (Tennessee)
 Myron Watkins, M.D. (Meharry)

DEPARTMENT OF
OPHTHALMOLOGY

Professor and Chairman

John R. Lynn, M.D. (UT Galveston)

Assistant Professors

Peter R. Bringewald, M.D. (Ohio State)
 Charles W. Israel, M.D. (Southern California)
 William J. Stenstrom, B.S. (Washington)
 Thomas Ray Stevens, M.D. (Wisconsin)

Associate

George W. Tate Jr., M.D. (UT Southwestern)

Clinical Professors

Carroll W. Browning, M.D. (Illinois)
 Kelly L. Cox, M.D. (Baylor)
 Lester H. Quinn, M.D. (Indiana)
 W. Maxwell Thomas, M.D. (UT Galveston)

Clinical Associate Professors

Jerome L. Byers, M.D. (UT Galveston)
 Kenneth Foree, M.D. (UT Southwestern)
 Seymour B. Gostin, M.D. (New York)
 John Lippas, M.D. (Tufts)
 William B. Snyder, M.D. (Vanderbilt)

Clinical Assistant Professors

Dan Brannin, M.D. (Tulane)
 William S. Chambless, M.D. (Oklahoma)
 Jack C. Cooper, M.D. (UT Southwestern)
 James M. Capps, M.D. (Wisconsin)
 Ruby K. Daniel, M.D. (Baylor)
 John E. Eisenlohr, M.D. (UT Southwestern)
 Lawrence O. Gahagan, M.D. (Louisiana State)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Edwin G. Grafton Jr., M.D. (Harvard)
 M. Ray Harrington, M.D. (UT Galveston)
 William S. Harris, M.D. (UT Southwestern)
 Charles B. Key, M.D. (UT Galveston)
 Mary Agnes Lancaster, M.D. (UT Galveston)
 Oscar M. Marchman Jr., M.D. (Baylor)
 Thomas M. McCrory, M.D. (UT Southwestern)
 William L. Phelps, M.D. (Illinois)
 David R. Stager, M.D. (Ohio State)
 Albert Vaiser, M.D. (San Marcos, Peru)

Clinical Instructors

Rufus E. Allen, M.D. (UT Southwestern)
 Robert E. Baker, M.D. (UT Southwestern)
 F. Gene Braun, M.D. (Pittsburgh)
 Donald P. Brotheman, M.D. (UT Galveston)
 Bert C. Bryan, M.D. (Vanderbilt)
 Ronald M. Burnside, M.D. (UT Galveston)
 Allen D. Campbell Jr., M.D. (UT Southwestern)
 Arthur M. Clements, M.D. (Washington, St.
 Louis)
 Jerry B. Cotner, M.D. (Oklahoma)
 John A. Ehrhardt, M.D. (UT Southwestern)
 Jerald Feldman, M.D. (Louisiana State)
 Gordon D. Frank, M.D. (Arkansas)
 George E. Holladay, M.D. (Tennessee)
 William L. Hutton, M.D. (UT Southwestern)
 Ward J. Mahowald, M.D. (North Dakota)
 Albert Meisenbach Jr., M.D. (Washington, St.
 Louis)
 Robert C. Middendorf, M.D. (St. Louis)
 Jerry Conrad McGrew, M.D. (Arkansas)
 Everett A. Moody, M.D. (UT Southwestern)
 Albert Monroe, M.D. (Bern)
 Gordon H. Newman, M.D. (New York)
 Norris L. Newton, M.D. (Oklahoma)
 Paul A. Richter, M.D. (Tulane)
 Bruce Carson Taylor, M.D. (Iowa)
 Jerald L. Tennant, M.D. (UT Southwestern)
 Barry W. Uhr, M.D. (UT Southwestern)
 Elizabeth Vaughan, M.D. (UT Southwestern)
 Thomas P. Wood, M.D. (UT Southwestern)

DEPARTMENT OF
PATHOLOGY

Professor and Chairman

Vernie A. Stenbridge, M.D. (UT Galveston)

Professors

Bruce D. Fallis, M.D. (Washington, St.
 Louis)
 Robert G. Freeman, M.D. (Baylor)
 A. James Gill, M.D. (Duke)
 Arthur G. Grollman, M.D., Ph.D. (Johns
 Hopkins)
 Morton F. Mason, Ph.D. (Duke)
 Philip O'B. Montgomery, M.D. (Columbia)
 Charles S. Petty, M.D. (Harvard)
 Rolland C. Reynolds, M.D. (UT Southwestern)
 Frank Vellios, M.D. (Washington, St. Louis)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Associate Professors

A.B.C. Dowdey, M.D. (UT Galveston)
 Edwin H. Eigenbrodt, M.D. (Chicago)
 L. Ruth Guy, Ph.D. (Stanford)
 Joel B. Kirkpatrick, M.D. (Washington,
 St. Louis)
 Donald V. Moore, Ph.D. (Rice)
 Joseph S. Paul, Ph.D. (New York)
 Robert S. Putnam, M.D. (UT Southwestern)
 John A. Shaddock, D.V.M., Ph.D. (Ohio State)
 Alice L. Smith, M.D. (UT Southwestern)
 Paul M. Southern, M.D. (UT Southwestern)
 Arthur G. Weinberg, M.D. (Western Reserve)

Assistant Professors

W. Manford Gooch III, M.D. (Baylor)
 Charles W. Israel, M.D. (Southern California)
 F. Donald McGovern, M.D. (Indiana)
 Donald V. Moore, Ph.D. (Rice)
 Wm. Thomas Sparrow, M.D. (UT Southwestern)
 William Q. Sturner, M.D. (St. Louis)

Instructors

Vincent J.M. DiMaio, M.D. (New York)
 James C. Garriott, Ph.D. (Indiana)
 Robert E. Karper, M.D. (UT Southwestern)
 Faye G. Spruill, M.D. (Mississippi)
 Irving C. Stone, Ph.D. (George Washington)

Clinical Professors

Charles T. Ashworth, M.D. (Baylor)
 John Childers, M.D. (UT Galveston)
 Gwendolyn Crass, M.D. (UT Galveston)
 Anthony D'Agostino, M.D. (Buffalo)
 John L. Goforth, M.D. (Johns Hopkins)
 Mervin H. Grossman, M.D. (Tennessee)
 Joseph M. Hill, M.D. (Buffalo)
 William B. Kingsley, M.D. (Temple)
 Fred S. Preuss, M.D. (Berne)
 George J. Race, M.D. (UT Southwestern)
 Ph.D. (Baylor)

Clinical Associate Professors

Thomas H. Capers, M.D. (UT Galveston)
 Marcelo Garza Jr., M.D. (UT Galveston)
 Edwin Jenevein Jr., M.D. (Louisiana State)
 Thomas McConnell, M.D. (UT Southwestern)
 Gerard Noteboom, M.D. (Leiden)
 Robert R. Rember, M.D. (Colorado)
 Marvine Weatherby, M.D. (UT Galveston)

Clinical Assistant Professors

Julio E. Acevedo, M.D. (Bogota, Columbia)
 T.E. Adams, M.D. (Louisiana State)
 William Crofford Jr., M.D. (UT Galveston)
 J. Robert Daniel, M.D. (UT Southwestern)
 Julius M. Gilbert, M.D. (UT Southwestern)
 Curtis Hoskins, M.D. (UT Southwestern)
 Dudley D. Jones, M.D. (UT Southwestern)
 James B. Ketchersid, M.D. (UT Southwestern)
 Eufrozyna Kozlowski, M.D. (Germany)
 Joseph F. Lawrence, M.D. (UT Southwestern)
 H. R. McDaniel, M.D. (UT Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

H. Richard Pascoe, M.D. (Northwestern)
 Marie L. Shaw, M.D. (UT Southwestern)
 Van Q. Telford, M.D. (UT Southwestern)
 Harold H. Varon, M.D. (Chicago)

Lecturers

F. Lamont Jennings, M.D. (Louisiana State)
 Henry C. McGill Jr., M.D. (Vanderbilt)
 William O. Russell, M.D. (Stanford)
 Frank M. Townsend, M.D. (Tulane)

Postdoctoral Fellows

David G. Beddow, Judith H. Cook, Charles R. Cramer, Wm. Thomas Dickey, David F. Eanes, W. Jon Esber, Helen M. Graham, James E. Helgeson, Bruce A. Hurt, Benjamin P. Love, Mary G. Mauldin, Lawrence J. Minette, Dean Neimeyer, John H. Scott, G. Merrill Shore, Boyd E. Smith, Michael J. Waldron, S. Beck Weathers, Ross Zumwalt

DEPARTMENT OF
PEDIATRICS

William Buchanan Professor and Chairman
 Heinz F. Eichenwald, M.D. (Cornell)

Professors

Michael E. Blaw, M.D. (Chicago)
 Joann M. Cornet, M.D. (Western Reserve)
 Guido Currarino, M.D. (Genoa, Italy)
 Gladys J. Fashena, M.D. (Cornell)
 Chester W. Fink, M.D. (Duke)
 Jorge E. Howard Sr., M.D. (Chile)
 John D. Nelson, M.D. (Minnesota)
 Jo Anne Whitaker, M.D. (Bowman Gray)
 Howard G. Worthen, M.D. (Northwestern)
 Ph.D. (Minnesota)

Associate Professors

Kenneth C. Haltalin, M.D. (British Columbia, Canada)
 Jacob L. Kay, M.D. (Baylor)
 Doman K. Keele, M.D. (UT Southwestern)
 James F. Marks, M.D. (Harvard)
 George H. McCracken, M.D. (Cornell)
 William W. Miller, M.D. (Pennsylvania)
 Thomas D. Moore, M.D. (Oklahoma)
 Ekkehard W. Reimold, M.D. (Heidelberg, Germany)
 Aruthur G. Weinberg, M.D. (Western Reserve)

Assistant Professors

Robert Estes, Ph.D. (Iowa)
 David E. Fixler, M.D. (Chicago)
 Peggy C. Fry, Ph.D. (Nebraska)
 Ray W. Gilbert, Ph.D. (Houston)
 Jo Allene Horne, M.D. (Bowman Gray)
 Raleigh J. Huizinga, Ph.D. (Arizona)
 Paul A. La Porte, M.D. (Iowa)
 Charles E. Mize, Ph.D., M.D. (Johns Hopkins)
 Lon E. Rogers, M.D. (UT Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Charles Rosenfeld, M.D. (Emory)
 Peggy Sartain, M.D. (UT Galveston)
 Harriett Stambaugh, M.S. (Boston)
 Amy Talbot, Ph.D. (Houston)

Instructors

Richard Adams, M.D. (Louisiana)
 Pearl Boggs
 Dieter E. Gaupp, M.S.W. (UT Austin)

Mary Logan, B.A. (Arizona)
 Frank D. Ohler, Ph.D. (South Carolina)
 Paul S. Potter, M.S.W. (Michigan)

Assistants

Carol A. Hickey, M.D. (Ohio State)
 Nancy Bray, M.Ed. (East Texas)

Clinical Emeritus Professors

May Agnes Hopkins, M.D. (UT Galveston)
 Percy E. Luecke Sr., M.D. (UT Galveston)

Clinical Professors

Anthony L. Alfieri, M.D. (Louisiana)
 John L. Baskin, M.D. (UT Galveston)
 Salmon R. Halpern, M.D. (Colorado)
 Herman O. Krempin, M.D. (UT Galveston)
 Robert L. Moore, M.D. (Johns Hopkins)
 S. Halcuit Moore, M.D. (Harvard)
 Floyd A. Norman, M.D. (UT Galveston)

Clinical Associate Professors

George R. Branch, M.D. (UT Galveston)
 Sergio Fantony, M.D. (Havana, Cuba)
 Martha H. Hale, M.D. (Baylor)
 William C. Hawkins, M.D. (Duke)
 M. Dean Jacoby, M.D. (Wayne)
 Alvis F. Johnson, M.D. (UT Galveston)
 Hugo Klint, M.D. (UT Galveston)
 Robert I. Kramer, M.D. (Tufts)
 Percy E. Luecke Jr., M.D. (Washington)
 Ben C. McCarley, M.D. (Duke)
 Logan Mewhinney, M.D. (UT Galveston)
 Thomas P. Murphy, M.D. (UT Southwestern)
 Frank C. Payne, M.D. (UT Southwestern)
 Milam B. Pharo, M.D. (Tulane)
 Patrick Rose, M.D. (UT Southwestern)
 Melvin G. Russell, M.D. (UT Southwestern)
 William A. Sellars, M.D. (UT Southwestern)
 John S. Terrell, M.D. (Pennsylvania)
 Kathryn Willis, M.D. (UT Southwestern)

Clinical Assistant Professors

Ruth I. Allen, M.D. (UT Galveston)
 James A. Ball, M.D. (UT Galveston)
 Richard D. Bates, M.D. (UT Southwestern)
 Albert Blakes, M.D. (UT Galveston)
 Robert C. Bondy Jr., M.D. (UT Southwestern)
 Milton Cardwell, M.D. (UT Southwestern)
 Delores M. Carruth, M.D. (UT Southwestern)
 H. Norman Chandler, M.D. (Oklahoma)
 William D. Crane, M.D. (UT Southwestern)
 E. Samuel Cunningham, M.D. (UT Galveston)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

William B. Dean, M.D. (Baylor)
 Ben W. Denny, M.D. (Tulane)
 James S. Farnsworth, M.S. (Washington,
 St. Louis)
 John W. Griffin, M.D. (Baylor)
 Ernest R. Hollobough, M.D. (Cincinnati)
 Samuel L. Hunt, M.D. (UT Galveston)
 Richard B. Johnson, M.D. (Oklahoma)
 William B. Johnson, M.D. (Georgia)
 Kem Kelly, M.D. (Oklahoma)
 Glen V. Leland, M.D. (Tulane)
 George J. Liebes, M.D. (UT Galveston)
 Gary C. Morchower, M.D. (Tulane)
 Joseph G. Roach, M.D. (UT Southwestern)
 Elaine P. Schoelzel, M.D. (Colorado)
 Doris V. Spegal, M.D. (Louisville)
 Joel B. Steinberg, M.D. (Tulane)
 Nancy R. white, M.D. (UT Southwestern)
 Joan Windmiller, M.D. (UT Southwestern)
 A. Gordon Worsham, M.D. (Arkansas)

Clinical Instructors

Walter W. Barret, M.D. (Tennessee)
 Munir Bishara, M.D. (Beirut, Lebanon)
 James Boger, M.D. (UT Galveston)
 Truett C. Boles, M.D. (UT Galveston)
 George Brasher, M.D. (Tennessee)
 Theron E. Brooks III, M.D. (UT
 Southwestern)
 Souren Chakmakjian, M.D. (Beirut, Lebanon)
 Mollie A. Combes, M.D. (Columbia)
 Marcia Craig, M.D. (UT Southwestern)
 Peirre G. Craig, N.D. (Haiti)
 Frances B. Crane, M.D. (Oklahoma)
 Malcolm D. Davidson, M.D. (New York State)
 Anthony DeHaro, M.D. (Baylor)
 Ben F. Dildy, M.D. (UT Southwestern)
 Willaim R. Fackler, M.D. (Cornell)
 Ross L. Finkelman, M.D. (Ohio)
 Francis M. Gilbert, M.D. (Baylor)
 Jack T. Gilmore, M.D. (Baylor)
 Willis M. Gooch, M.D. (Baylor)
 Gerson Gran, M.D. (Havana, Cuba)
 Larry Gray, M.D. (Ohio)
 Carlton E. Hardy, M.D. (UT Southwestern)
 Joseph G. Holt, M.D. (UT Galveston)
 Jerry Hutton, Ph.D. (Houston)
 Wendell A. Jones, M.D. (UT Southwestern)
 Marjorie Keele, M.D. (UT Southwestern)
 Shirley J. Kindberg, M.D. (Baylor)
 Conrad J. Krafft, M.D. (Illinois)
 Aaron L. Kreisler, M.D. (UT Galveston)
 Frances P. Lankford, M.D. (UT Galveston)
 William M. Lovejoy, M.D. (Tennessee)
 Billie MacAnally, M.D. (Louisiana)
 James M. McKinney, M.D. (UT Galveston)
 Alan N. Miller, M.D. (UT Southwestern)
 Hugh L. Moore III, M.D. (UT Southwestern)
 Neil R. Morrow, M.D. (Pittsburgh)
 Donald K. Nelms, M.D. (North Carolina)
 Donna J. Parks, M.D. (UT Southwestern)
 Larry H. Patton, M.D. (Tennessee)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Joseph Pflanzner, M.D. (Louvain, Belgium)
 Joe Caro Piranio, M.D. (Tulane)
 Alice Pita, M.D. (Chicago)
 Robert K. Portman, M.D. (UT Southwestern)
 Renate M. Reimold, M.D. (Berlin)
 Florencio Roig, M.D. (Havana, Cuba)
 Michael F. Romaine, Ph.D. (Pennsylvania)
 Carter F. Rubane, M.D. (Tulane)
 Roger O. Schorlemer, M.D. (UT Southwestern)
 Allen T. Segal, M.D. (UT Southwestern)
 James E. Speier, M.D. (Cincinnati)
 Irene Stayer, M.D. (Warsaw)
 Gerschon Suster, M.D. (Antioquia)
 Dave Tobolowsky, M.D. (UT Southwestern)
 David C. Usrey, M.D. (UT Southwestern)
 Thomas W. Wilson, M.D. (Chicago)

Assistants

Ona Mae Austin, M.D. (Baylor)
 William Hayden, M.D. (Northwestern)
 Jorge B. Howard Jr., M.D. (Chile)
 Bennie C. Slaughter, M.D. (Virginia)

Postdoctoral Fellows

Norma Battles, Audrey J. Bednarz, J. Martin
 Kaplan, George A. Monroe, Donald L. Randall,
 Raul C. Rudoy, Elliott R. Shindler, H. David
 Wilson

DEPARTMENT OF
PHARMACOLOGY

Professor and Chairman
 Andres Goth, M.D. (Chile)

Professors

Parkhurst A. Shore, Ph.D. (Georgetown)
 Alvin Taurog, Ph.D. (California, Berkeley)
 Ervin G. Erdos, M.D. (Munich, Germany)

Associate Professors

Wesley G. Clark, Ph.D. (Utah)
 William A. Pettinger, M.D. (Creighton)
 George B. Weiss, Ph.D. (Vanderbilt)

Assistant Professors

H. Richard Adams, D.V.M., Ph.D.
 (Pittsburgh)
 Roy L. Dorris, Ph.D. (Vanderbilt)
 Antonio Giachetti, Ph.D. (Milano, Italy)
 Franklin R. Goodman, Ph.D. (Virginia)
 Dobrivoje Marinkovic, Ph.D. (Belgrade,
 Yugoslavia)

Instructors

Helen E. Mitchell, M.D. (Washington,
 St. Louis)

Clinical and Adjunct Professors

Sami I. Said, M.D. (Cairo, Egypt)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Clinical and Adjunct Assistant Professors

James Holman, M.D. (UT Southwestern)
Olfeo J. Lorenzetti, Ph.D. (Ohio State)

Clinical and Adjunct Instructors

Gregory G. Dimijian, M.D. (Cornell)
Clark C. Watts, M.D. (UT Southwestern)
James C. Garriott, Ph.D. (Indiana)

Postdoctoral Fellows

Arpad Gecse, Genichiro Oshima, Garcilaso Fiesco

DEPARTMENT OF

PHYSICAL MEDICINE AND

REHABILITATION

(Including the Division of Vocational
Rehabilitation)

Assistant Professor and Acting Chairman

Phala A. Helm, M.D. (UT Southwestern)

Professor

Harry J. Parker, Ph.D. (Northwestern)

Assistant Professors

G. Fred Cromes Jr., Ph.D. (Texas Tech)
E. Ralph Johnson, M.D. (Kansas)
Donald A. Pool, Ph.D. (UT Austin)
Margarita Solis, M.D. (Manila)

Instructor

Peggy Moore, M.A. (New Mexico)

Clinical Professor

Edward M. Krusen, M.D. (Pennsylvania)

Clinical Assistant Professors

Alfredo Bacani, M.D. (Santo Tomas)
James W. Caldwell, M.D. (UT Southwestern)
Kenneth Cole Jr., M.D. (Johns Hopkins)
Jewel S. Daughety, M.D. (UT Southwestern)
Billy B. Hoover, M.D. (Tennessee)

Division of

Vocational Rehabilitation

Assistant Professor and Chairman

G. Fred Cromes Jr., Ph.D. (Texas Tech)

Assistant Professor

Donald A. Pool, Ph.D. (UT Austin)

Instructor

Peggy Moore, M.A. (New Mexico)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'dDEPARTMENT OF
PHYSIOLOGY

Professor and Chairman
Samuel M. McCann, M.D. (Pennsylvania)

Emeritus Professor
Robert W. Lackey, Ph.D. (UT Austin)

Professors
Robert M. Dowben, M.D. (Chicago)
Jere H. Mitchell, M.D. (UT Southwestern)
John C. Porter, Ph.D. (Iowa)
John C. Vanatta, M.D. (Indiana)

Associate Professors
C. Gunnar Blomqvist, M.D. (Lund)
Ph.D. (Karolinska)
Ivan E. Danhof, Ph.D. (Illinois) M.D.
(UT Southwestern)
Ladislav Krulich, Md., Ph.D. (Prague,
Czech)
C. Kern Wildenthal, M.D. (UT Southwestern)
Ph.D. (Cambridge)

Visiting Associate Professors
Robert Damrauer, Ph.D. (Mass. Institute
of Technology)
C. Libertun, M.D., Ph.D. (Buenos Aires,
Argentina)

Assistant Professors
Keith J. Cooper, Ph.D. (Nottingham,
England)
H. Fred Downey, Ph.D. (Illinois)
C. Peter Fawcett, Ph.D. (Newcastle,
England)
Robert M. Lebovitz, Ph.D. (California)
James M. Lipton, Ph.D. (Colorado)
Robert L. Moss, Ph.D. (Claremont,
California)
John P. Reeves, Ph.D. (Mass. Institute
of Technology)
Verney L. Sallee, Ph.D. (New Mexico)
Gordon H. Templeton, Ph.D. (UT Southwestern)

Instructors
Pavel Illner, M.D. (Prague, Czech)
David A. Monner, Ph.D. (Oregon)
John T. Watson, Ph.D. (UT Southwestern)

Adjunct Professors
George Moushegian, Ph.D. (UT Austin)
Frank J. Palas, Ph.D. (Oklahoma)

Adjunct Associate Professors
David H. Anderson, Ph.D. (Duke)
Bright A. Lowry, Ph.D. (Chicago)

Adjunct Instructor
Stuart A. Bergman, M.D. (UT Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Postdoctoral Fellows

J.E. Aschenbrenner, N. Ben-Jonathan,
 L.A. Bruce, R.A.C. DeVries, P.G.
 Harms, E. Hefco, H. Nakano, S.R.
 Ojeda, C.M. Oliver, P.E. Parker, J.E.
 Wheaton, G.A. Zeballos

DEPARTMENT OF PSYCHIATRY

(Including the Division of Psychology)

Professor and Interim Chairman

Asa W. DeLoach, M.D. (Georgia)

Professors

Maurice Korman, Ph.D. (Minnesota)
 Alvin J. North, Ph.D. (Yale)
 Harry J. Parker, Ph.D. (Northwestern)

Associate Professors

Bruce H. Beard, M.D. (UT Galveston)
 Martin R. Gluck, Ph.D. (Pittsburgh)
 Donald A. Pool, Ph.D. (UT Austin)

Assistant Professors

David R. Baker, M.D. (UT Southwestern)
 Margaret Beckner, M.S.S. (Smith)
 Imogene Bramhall, M.S.W. (Tulane)
 Eugene R. Bumpass, M.D. (UT Southwestern)
 Dorothy Clement, M.S.S.W. (UT Austin)
 George F. Cromes Jr., Ph.D. (Texas Tech)
 Robert N. Dain, Ph.D. (UT Austin)
 Judith H. Forgotson, M.D. (Rochester)
 Ray W. Gilbert, Ph.D. (Houston)
 John L. Hall, M.D. (UT Southwestern)
 Raleigh J. Huizinga, Ph.D. (Arizona)
 JoAnne Kimberlin, M.S.S.W. (UT Austin)
 James M. Lipton, Ph.D. (Colorado)
 Daniel L. Logan, Ph.D. (Arizona)
 Robert Lovitt, Ph.D. (Louisiana State)
 Paul S. McCollum, Ph.D. (Texas Tech)
 Amy Talbot, Ph.D. (Houston)
 Kenneth Wiggins, M.D. (UT Southwestern)

Instructors

V. Frank Cody, M.D. (UT Galveston)
 Mahmoud El-Din, M.S.W. (Wayne State)
 Sydney Farrier, M.S.S.W. (UT Arlington)
 Royanna Just, M.S.S.W. (UT Austin)
 R. Sanford Kiser, M.D. (UT Southwestern)
 Frank Ohler, Ph.D. (South Carolina)
 William M. Pederson, M.D. (UT Southwestern)
 Marc Sheinbein, Ph.D. (Tennessee)
 Frank Trimboli, Ph.D. (Ohio)

Clinical Professors

Howard M. Burkett, M.D. (Michigan)
 Luis M. Cowley, M.D. (Havana, Cuba)
 Merlan DeBolt, M.D. (Iowa)
 Fred H. Davis, M.D. (Toronto, Canada)
 Robert H. Dovenmuehle, M.D. (St. Louis)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Robert Glen, M.D. (Stanford)
 Robert T. Long, M.D. (Columbia)
 Carmen Michael, Ph.D. (Western Reserve)
 Don P. Morris, M.D. (Yale)
 Clarence R. Parker, M.D. (UT Southwestern)
 James K. Peden, M.D. (Baylor)
 Jack R. Strange, Ph.D. (Johns Hopkins)
 Perry C. Talkington, M.D. (Baylor)
 Steven Weisz, M.D. (Berlin)

Clinical Associate Professors

William R. Beavers, M.D. (UT Southwestern)
 Stanley Blumberg, Ph.D. (Northwestern)
 Henry L. Burks, M.D. (Duke)
 Lawrence Claman, M.D. (Pennsylvania)
 Harold B. Crasilneck, Ph.D. (Houston)
 Burton C. Einspruch, M.D. (UT Southwestern)
 John H. Gladfelter, Ph.D. (Houston)
 Clarence S. Hoekstra, M.D. (Nebraska)
 Isham Kimbell Jr., M.D. (Lewisville)
 Jerry L. Lewis, M.D. (UT Southwestern)
 Jack Martin, M.D. (Vanderbilt)
 John C. Montgomery, M.D. (Baylor)
 Grady Niblo Jr., M.D. (UT Galveston)
 Claude Nichols, M.D. (Baylor)
 George I. Nicolaou, M.D. (UT Galveston)
 William Shelton, M.D. (Washington,
 St. Louis)
 Robert W. Webb, M.D. (Tulane)
 Myron Weiner, M.D. (Tulane)

Clinical Assistant Professors

Eugene L. Aten, M.D. (Nebraska)
 Manuel Balbona, Ph.D. (Texas Christian)
 Webster Blocker, M.D. (UT Southwestern)
 Doyle I. Carson, M.D. (UT Southwestern)
 Paul Chessmore, Ph.D. (Catholic University)
 Harold B. Crasilneck, Ph.D. (Houston)
 Rhoda S. Frenkel, M.D. (Michigan)
 Irwin Gadol, Ph.D. (Louisiana State)
 L. Arden Gifford, M.D. (UT Southwestern)
 Donald W. Giller, Ph.D. (UT Austin)
 James P. Grigson, M.D. (UT Southwestern)
 James A. Hall, M.D. (UT Southwestern)
 Frances T. Harrington, M.D. (St. Louis)
 Robert J. Herbert, M.D. (Columbia)
 Austin J. Jernigan, Ph.D. (Kentucky)
 Larry R. Kimsey, M.D. (UT Southwestern)
 Juanita F. Kirby, M.D. (UT Southwestern)
 Joseph L. Knapp, M.D. (Illinois)
 Joseph S. Kugler, M.D. (Colorado)
 David Lipsher, Ph.D. (Stanford)
 Ferald D. Mauk, M.D. (Nebraska)
 James S. May, A.M. (Chicago)
 Philip McGuire Jr., M.D. (Northwestern)
 Leo A. McCandlish, Ph.D. (Loyola)
 William T. Moore, M.D. (UT Galveston)
 John R. Price, Ph.D. (Houston)
 Jack E. Ponder, M.D. (Tulane)
 Martin S. Posner, M.D. (New York)
 John H. Reitmann, M.D. (Minnesota)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Ann Race, M.D. (UT Southwestern)
 Jean L. Roberts, M.D. (Wisconsin)
 Gerald A. Schneider, M.D. (George
 Washington)
 William P. Shelton, M.D. (Washington,
 St. Louis)
 Stanley L. Seaton, M.D. (UT Southwestern)
 Charles L. Smith, M.D. (Pittsburgh)
 Robert M. Souda, M.D. (Oklahoma)
 Jackson Speegle, M.D. (UT Austin)
 Kenneth R. Timken, M.D. (UT Southwestern)
 Anita Titone, M.S.W. (Louisiana State)
 Larry E. Tripp, M.D. (Colorado)
 James D. Uloth, M.D. (UT Galveston)

Clinical Instructors

Constance Adler, Ph.D. (Chicago)
 James W. Black, M.D. (UT Southwestern)
 Robert L. Brien, M.D. (UT Southwestern)
 J. Martin Brown, Ph.D. (UT Southwestern)
 Patrick Buchanan, M.D. (UT Galveston)
 Patricia Bujard, Ph.D. (Ohio State)
 Judith R. Burroughs, Ph.D. (Vanderbilt)
 Allen J. Cahill, M.D. (Loyola)
 Henry L. Charles, M.D. (Indiana)
 Frank Crumley, M.D. (UT Galveston)
 Horace A. DeFord, M.D. (UT Galveston)
 Gregory G. Dimijian, M.D. (Cornell)
 Irvin A. Ebaugh Jr., M.D. (UT Galveston)
 Ila L. Eichelberger, M.S.W. (Denver)
 Diane Fagelman, M.D. (Wayne State)
 E. Clay Griffith, M.D. (UT Southwestern)
 Robert H. Hodge, M.D. (Tulane)
 Frances C. Houck, M.A. (Southern
 Methodist)
 Delbert Hughes, M.D. (Baylor)
 Waunell M. Hughes, M.D. (Baylor)
 Ronald E. Johnstone, M.S.W. (Kansas)
 Joseph W. King, M.D. (UT Southwestern)
 Charles R. Lett, M.D. (Meharry)
 Ray K. McNamara, Ph.D. (Oklahoma)
 Margaret Moulton, M.Sc. (Western Missouri)
 Dan A. Myers, M.D. (Baylor)
 Sam E. Neely, M.D. (Oklahoma)
 Walter E. Penk, Ph.D. (Houston)
 Jose A. Pleitez, M.D. (San Carlos,
 Guatamala)
 F. Curtis Reese, M.D. (UT Southwestern)
 Carl E. Renfro, M.D. (UT Galveston)
 Glen W. Rollins, M.S.W. (UT Austin)
 Edith Rossi, M.D. (Tigru-Muresroman,
 Rumania)
 Herbert Shore, Ed.D. (North Texas)
 Belvin A. Simmons, M.D. (UT Southwestern)
 Charles M. Smith, M.D. (Pittsburgh)
 S.A. Somadevilla, Ph.D. (Texas Tech)
 K. Steven Staneff, M.D., C.S. (Mainz,
 Germany)
 Betty J. Synar, M.S.S. (Smith)
 Douglas E. Torrie, M.S.W. (Washington)
 Edward W. Tuthill Jr., M.D. (UT Galveston)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Opal H. White, D.N. Sc. (Boston)
 Agnes V. Whitley, M.D. (Florida)
 Frank Wiman, M.S.S.W. (UT Austin)
 Thomas A. Woods, M.D. (UT Southwestern)
 Richard D. Yentis, M.D. (Pennsylvania)

Postdoctoral Fellows

Silvestre Aguilar, Mark Blotcky, Michael Brophy, Violeta del Castillo, Manuel Farina, Juan Font, Guillermo Gregoratti, Irving Humphrey, James L. Knoll, Raymond E. Liverman, Talat Mahmood, Marta Menendez, Hla Myint, Gustavo Ortega, Pedro Perez, Michael Rosenthal, Leslie Secrest, James G. Schreiber, William Tooley, John Valcik

Division of
Psychology

Professor and Chairman
 Maurice Korman, Ph.D. (Minnesota)

Professors

Alvin J. North, Ph.D. (Yale)
 Harry J. Parker, Ph.D. (Northwestern)

Associate Professors

Martin R. Gluck, Ph.D. (Pittsburgh)
 Donald A. Pool, Ph.D. (UT Austin)

Assistant Professors

G. Fred Cromes Jr., Ph.D. (Texas Tech)
 Robert N. Dain, Ph.D. (UT Austin)
 Ray W. Gilbert, Ph.D. (Houston)
 Raleigh J. Huizinga, Ph.D. (Arizona)
 James M. Lipton, Ph.D. (Colorado)
 Daniel L. Logan, Ph.D. (Arizona)
 Robert Lovitt, Ph.D. (Louisiana State)
 Paul S. McCollum, Ph.D. (Texas Tech)
 Amy Talbot, Ph.D. (Houston)

Instructors

Frank D. Ohler, Ph.D. (South Carolina)
 Frank Trimboli, Ph.D. (Ohio)
 Marc L. Sheinbein, Ph.D. (Tennessee)

Clinical Professors

Carmen M. Michael, Ph.D. (Western Reserve)
 Jack R. Strange, Ph.D. (Johns Hopkins)

Clinical Associate Professors

Stanley Blumberg, Ph.D. (Northwestern)
 John H. Gladfelter, Ph.D. (Houston)

Clinical Assistant Professors

Manuel Balbona, Ph.D. (Texas Christian)
 Paul H. Chesmore, Ph.D. (Catholic University)
 Harold B. Crasilneck, Ph.D. (Houston)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Irwin Gadol, Ph.D. (Louisiana State)
 Donald W. Giller, Ph.D. (UT Austin)
 Austin J. Jernigan, Ph.D. (Kentucky)
 David H. Lipsher, Ph.D. (Stanford)
 Leo A. McCandlish, Ph.D. (Loyola)
 John R. Price, Ph.D. (Houston)

Clinical Instructors

Constance E. Adler, Ph.D. (Chicago)
 Martin J. Brown, Ph.D. (UT Southwestern)
 Judith R. Burroughs, Ph.D. (Vanderbilt)
 Ray K. McNamara, Ph.D. (Oklahoma)
 Walter E. Penk, Ph.D. (Houston)
 Santiago A. Somodevilla, Ph.D. (Texas Tech)

Resident Fellows

Bob Cassady, John Kegerreis, Robert A.
 Meyer, Dick G. Miller, Lisa Partyka,
 Kim Price, Gerald A. Sweet, Jerome I.
 Weiss

DEPARTMENT OF
RADIOLOGY

Professor and Acting Chairman

Edward E. Christensen, M.D. (Wisconsin)

Emeritus Professor

Charles L. Martin, M.D. (Harvard)

Professors

Frederick J. Bonte, M.D. (Western Reserve)
 Guido Currarino, M.D. (Genoa, Italy)
 Jack Reynolds, M.D. (Columbia)

Associate Professors

Thomas S. Curry III, M.D. (UT Southwestern)
 J. Edward Dowdey, Ph.D. (UT Austin)
 William J. Kilman, M.D. (UT Southwestern)
 James E. Nunnally, M.A. (UT Austin)

Emma Freeman Associate Professor

M.E. Gaulden, Ph.D. (Virginia)

Assistant Professors

Donald E. Carlson, Ph.D. (Tennessee)
 George C. Curry, M.D. (UT Southwestern)
 Edward J. DePersio, M.D. (Tennessee)
 Gerald W. Dietz, M.D. (UT Southwestern)
 A. James Gerlock, M.D. (Georgia)
 Robert W. Parkey, M.D. (UT Southwestern)

Instructors

Robert C. Murry Jr., M.S. (UT Southwestern)
 Ernest M. Stokely, Ph.D. (UT Southwestern)
 Kenneth Bull, M.A. (UT Southwestern)
 Guillermo Salinas, M.D. (UT Galveston)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Teaching Assistants

Fred E. Brickman, M.D. (Louisiana State)
 Raymond F. Carmody, M.D. (Indiana)
 Larry J. Cooper, M.D. (UT Southwestern)
 Dale F. Dierberg, M.D. (Washington)
 William R. Gray Jr., M.D. (Louisville)
 David Greene, M.D. (Cornell)
 W. Thomas Hawkins, M.D. (UT Southwestern)
 William R. Hoot, M.D. (UT Southwestern)
 Benjamin F. Hughes, M.D. (UT Southwestern)
 T. Kevin King, M.D. (Baylor)
 Michael W. Laughlin, M.D. (UT Southwestern)
 Kenneth R. Maravilla, M.D. (State Univ.-
 New York)
 A. Wayne Martin, M.D. (Louisiana State)
 Phillip L. Oakes, M.D. (Baylor)
 Ethel A. Siegal, M.D. (Maryland)
 David B. Strong, M.D. (UT Galveston)
 Rudolfo L. Villarreal Jr., M.D. (UT Galveston)
 J. Paul Wiesner, M.D. (UT Galveston)

Clinical Professors

Robert E. Hodges, M.D. (Michigan)
 Robert W. McConnell, M.D. (Cincinnati)
 Jarrell E. Miller, M.D. (Baylor)
 Jack M. Morgan, M.S. (South Carolina)
 Dimitry Morkovin, Ph.d., M.D. (Illinois)

Clinical Associate Professors

Dale E. Fuller, M.D. (Iowa)
 Bassett B. Kilgore, M.D. (UT Southwestern)
 Oscar L. Morphis, M.D. (UT Southwestern)
 Joseph H. Selman, M.D. (Western Reserve)

Clinical Assistant Professors

Jerome H. Arndt, M.D. (Oklahoma)
 Douglas E. Bibby, M.D. (UT Galveston)
 Samuel H. Cade Jr., M.D. (Louisiana State)
 Glenn Carlson, M.D. (Iowa)
 Robert B. Connor, M.D. (UT Southwestern)
 Fred H. Dunn, M.D. (UT Galveston)
 William G. Greenough, M.D. (Kansas)
 Joe Hawkins, M.D. (UT Southwestern)
 Michael J. Healy, M.D. (St. Louis)
 Robert M. Lockwood, M.D. (Pennsylvania)
 James A. Martink M.D. (Rice)
 Chester A. Mateja Jr., M.D. (Strich)
 Betty J. McConnell, M.D. (Cincinnati)
 Howell S. McCreary, M.D. (UT Southwestern)
 John D. McNutt, Ph.D. (Wayne State)
 Norman L. Presley, M.D. (Baylor)
 Lee Roy Radford, M.D. (UT Southwestern)
 Roberto Restrepo, M.D. (Columbia)
 Murry D. Schonfeld, M.D. (Harvard)
 Alvin D. Sears, M.D. (UT Southwestern)
 Herman C. Sehested, M.D. (Oklahoma)
 Herbert L. Steinbach Jr., M.D. (UT Galveston)
 Chun Tseng, M.D. (Hsiang Ya, China)
 Felix J. Vendrell, M.D. (UT Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Clinical Instructors

William H. Barekman, M.D. (UT Galveston)
 Robert R. Burns, M.D. (UT Southwestern)
 Stanley Hodges, M.D. (Louisiana State)
 Albert H. Keene, M.D. (Baylor)
 Paul W. Matthews Jr., M.D. (UT Southwestern)
 Jack G.S. Maxfield, M.D. (Baylor)
 J.R. Maxfield, M.D. (Baylor)
 Helmut A. Mueller, M.D. (Buffalo)
 Billy J. Parnell, M.D. (Tulane)
 Robert W. Perrin, M.D. (UT Galveston)
 George E. Plum, M.D. (Minnesota)
 Glenn A. Stokdyk, M.D. (Marquette)
 James M. Syler, M.D. (UT Galveston)
 Joan Winandy, M.D. (Illinois)

Lecturers

Marion C. Baldwin, M.D. (UT Southwestern)
 Robert D. Moreton, M.D. (Tennessee)
 Wayne Ramsey, M.D. (UT Galveston)
 Bernard Rosen, M.D. (UT Galveston)

Adjunct Professors

Mortimer M. Elkind, Ph.D. (Mass. Institute
 of Technology)
 John Jagger, Ph.D. (Yale)
 Louis A. Rayburn, Ph.D. (Kentucky)
 Claude S. Rupert, Ph.D. (Johns Hopkins)

Adjunct Associate Professors

Leonard M. Diana, Ph.D. (Pittsburgh)
 Ronald M. Humphrey, Ph.D. (UT Austin)

DEPARTMENT OF
SURGERY

(Including the Divisions of Colon and
 Rectal Surgery, Neurosurgery, Oral Surgery,
 Orthopedic Surgery, Otolaryngology,
 Pediatric Surgery, Plastic Surgery, Thoracic
 and Cardiovascular Surgery, and Urology)

Professor and Chairman

G. Tom Shires, M.D. (UT Southwestern)

Professors

Charles R. Baxter, M.D. (UT Southwestern)
 Robert N. McClelland, M.D. (UT Galveston)
 Malcolm O. Perry, M.D. (UT Southwestern)
 Morton D. Prager, Ph.D. (Purdue)

Associate Professors

Peter C. Canizaro, M.D. (UT Southwestern)
 Charles J. Carrico, M.D. (UT Southwestern)
 Robert F. Jones, M.D. (UT Southwestern)
 Ron C. Jones, M.D. (Tennessee)
 Sam H. Phillips, M.D. (UT Southwestern)

Assistant Professors

Charles D. Coln, M.D. (Baylor)
 P. William Curreri, M.D. (Pennsylvania)
 Claude V. DeShazo, M.D. (Mississippi)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Robert J. Hays, M.D. (Northwestern)
 David M. Heimbach, M.D. (Cornell)
 Joel H. Horovitz, M.D. (McGill)
 Barbara A. Minshew, Ph.D. (UT
 Southwestern)
 William H. Synder, M.D. (Vanderbilt)
 Erwin R. Thal, M.D. (Ohio State)

Visiting Assistant Professor
 Frank S. Baechtel, Ph.D. (Virginia)

Instructors
 Hana Illner, M.D. (Prague, Czechoslovakia)
 Janet Marvin, R.N., M.N. (Seattle)

Research Fellows
 Abelardo Arango, Duane S. Bietz,
 Christopher B. Skinner

Postdoctoral Fellow
 Edward C. Loebel

Clinical Emeritus Professors
 Frank Selecman, M.D. (Baylor)
 Charles H. Warren, M.D. (Vanderbilt)
 Ozro T. Woods, M.D. (Nebraska)

Clinical Professors
 C. Max Cole, M.D. (Iowa)
 John W. Duckett, M.D. (Johns Hopkins)
 Hudson J. Dunlap, M.D. (Baylor)
 Morris J. Fogelman, M.D. (Illinois)
 John V. Goode, M.D. (Johns Hopkins)
 LeRoy Kleinsasser, M.D. (Nebraska)
 Robert Sparkman, M.D. (Baylor)
 Jesse Thompson, M.D. (Harvard)

Clinical Associate Professors
 Kenneth O. Adwan, M.D. (UT Southwestern)
 B.L. Aronoff, M.D. (Baylor)
 Dale J. Austin, M.D. (Baylor)
 William D. Barnett, M.D. (UT Galveston)
 Audrey N. Bell, R.N.
 Allan Bookatz, M.D. (Western Reserve)
 John J. Bradfield, M.D. (Baylor)
 J. Harold Cheek, M.D. (UT Southwestern)
 Ronald F. Garvey, M.D. (Buffalo)
 Dan C. Gill, M.D. (Duke)
 Wayne Gossard, M.D. (UT Southwestern)
 Ben F. Harrison, M.D. (Baylor)
 Frank H. Kidd, M.D. (Baylor)
 Louis A. Kregel, M.D. (Wisconsin)
 Shields O. Livingston, M.D. (Washington)
 Charles R. Morris, M.D. (Northwestern)
 Ernest Poulos, M.D. (UT Southwestern)
 Manning B. Shannon, M.D. (Baylor)
 Andrew B. Small, M.D. (Baylor)

Clinical Assistant Professors
 Edward P. Doshier, M.D. (UT Galveston)
 William N. Fuqua, M.D. (Baylor)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Amos D. Garner, M.D. (Tulane)
 Adil Iliya, M.D. (Beirut, Lebanon)
 Irwin Lehman, M.D. (UT Southwestern)
 Forrest Lumpkin, M.D. (Jefferson)
 Henry G. Montgomery, M.D. (Baylor)
 Phillip Morrow, M.D. (UT Southwestern)
 Ralph D. Patman, M.D. (UT Southwestern)
 Merle R. Pounds, M.D. (UT Southwestern)
 Noah H. Range, M.D. (Tulane)
 Robert Steward, M.D. (Kansas)
 H. Earl Taylor, M.D. (UT Galveston)
 Nathan Tobey, M.D. (Baylor)
 Brice D. Vanderpool Jr., M.D. (UT
 Southwestern)
 Mark L. Welch, M.D. (Arkansas)

Clinical Instructors

George S. Bayoud, M.D. (American at Beirut)
 Herbert Beutel Jr., M.D. (Baylor)
 William Bowers, M.D. (UT Southwestern)
 George P. Fosmire, M.D. (Kansas)
 Charles H. Fuller, M.D. (UT Southwestern)
 Don H. Gustafson, M.D. (UT Southwestern)
 Andrew J. Harrell, M.D. (UT Southwestern)
 Horace T. Hayes, M.D. (Georgia)
 Kenneth Hempel, M.D. (UT Southwestern)
 Onesimo Hernandez, M.D. (UT Southwestern)
 Don Gary Hunt, M.D. (UT Southwestern)
 Clive R. Johnson, M.D. (Rush)
 Sydney R. Jones III, M.D. (Mississippi)
 John W. Lanius Jr., M.D. (UT Southwestern)
 William F. Larkin, M.D. (UT Galveston)
 Milton Leventhal, M.D. (UT Southwestern)
 Zelig Lieberman, M.D. (Tulane)
 E. Scott Middleton, M.D. (Baylor)
 Leonard J. Robinson, M.D. (Kansas)
 Felix Peppard, M.D. (UT Southwestern)
 Nathaniel T. Watts, M.D. (Meharry)
 Thomas P. Webb, M.D. (Baylor)
 Kendrick B. West, M.D. (UT Southwestern)
 Clarence G. Wheeler, M.D. (Baylor)
 Otto Wilbanks, M.D. (UT Southwestern)
 David W. Young, M.D. (UT Southwestern)
 William Zedlitz, M.D. (UT Southwestern)

Division of
Colon and Rectal Surgery

Clinical Professor and Chairman
 Robert J. Rowe, M.D. (Baylor)
 Clinical Associate Professor
 Alvin Baldwin Jr., M.D. (Baylor)
 Herschel G. Carter, M.D. (Oklahoma)
 Jack Kerr, M.D. (Baylor)

Clinical Assistant Professor
 Wallace Bailey, M.D. (Illinois)

Clinical Instructor
 W.M. McNatt (Baylor)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'dDivision of
NeurosurgeryProfessor and Chairman
William Kemp Clark, M.D. (UT Galveston)Clinical Professor
Albert P. D'Errico, M.D. (Western
Reserve)Clinical Associate Professor
Jack Woolf, M.D. (Baylor)Clinical Assistant Professors
Carroll Kern, M.D. (Indiana)
Tom Nash, M.D. (UT Galveston)
Casey Patterson, M.D. (Baylor)
Morris Sanders, M.D. (Chicago)
Charles Simpson, M.D. (UT Galveston)
Jack Stern, M.D. (UT Galveston)
Clark Watts, M.D. (UT Southwestern)Clinical Instructors
James E. Bland, M.D. (UT Southwestern)
Gary Hutchison, M.D. (UT Southwestern)
Mark Marshall, M.D. (Yale)
Robert Saxton, M.D. (Western Reserve)Fellows
Martin Lazar, Philip WilliamsDivision of
Oral SurgeryProfessor and Chairman
Robert V. Walker, D.D.S. (Baylor)Associate Professor
William H. Bell, D.D.S. (St. Louis)Assistant Professors
Jose P. Ampil, D.M.D. (Philippines)
Bruce N. Epker, D.D.S., Ph.D. (Detroit,
UT Southwestern)Clinical Professors
Welden E. Bell, D.D.S. (Baylor)
D. Lamar Byrd, D.D.S. (Baylor)
Phelps J. Murphey, D.D.S. (Baylor)
P. Earle Williams, D.D.S. (Baylor)Clinical Associate Professors
Jack J. Addison, D.D.S., M.D. (Baylor)
Glenn R. Hillin, D.D.S. (Baylor)
Clinton C. Johnson, D.D.S. (Minnesota)
Robert D. Londeree, D.D.S. (Pittsburgh)Clinical Assistant Professors
Jack F. Dean, D.D.S. (St. Louis)
Melvin R. Franklin, D.D.S. (Baylor)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

John B. Gatewood, D.D.S. (Maryland)
 Joseph P. Lambert, D.D.S. (Baylor)
 Delton K. Longley, D.D.S. (Baylor)
 James W. Moore, D.D.S. (Baylor)
 Peter J. Paulus, D.D.S. (Baylor)
 James R. Thornhill, D.D.S. (Baylor)

Clinical Instructors

L. Jack Bolton, D.D.S. (Baylor)
 James B. Clayton D.D.S. (Baylor)
 William D. Gaither, D.D.S. (Baylor)
 William E. Little, D.D.S. (Missouri)
 James E. Puckett, D.D.S. (Baylor)
 Adrian J. Sampeck, D.D.S. (Nebraska)
 D. Gary Wolford, D.D.S. (Temple)

Division of
Orthopedic Surgery

Professor and Chairman
 Charles F. Gregory, M.D. (Indiana)

Associate Professor
 Louis H. Paradies, M.D. (Northwestern)

Assistant Professors
 James W. Aston Jr., M.D. (UT Galveston)
 Kenneth D. Glass, M.D. (Sydney)

Clinical Professors
 Brandon Carrell, M.D. (Northwestern)
 P.J. Girard, M.D. (Tulane)
 E. Leon Ware, M.D. (Louisiana State)

Clinical Associate Professors
 B.C. Halley, M.D. (UT Southwestern)
 Livius Lankford, M.D. (UT Galveston)
 Harold A. Mattson, M.D. (Nebraska)
 P.C. Williams, M.D. (Michigan)

Clinical Assistant Professors
 George N. Aldredge, M.D. (Pennsylvania)
 H.H. Beckering, M.D. (Iowa)
 Jerald Blum, M.D. (Baylor)
 T.W. Bywaters, M.D. (Michigan)
 R.A. Callewart, M.D. (Minnesota)
 Guy K. Driggs, M.D. (Maryland)
 M. Paul Goodfried, M.D. (New York)
 Russell B. Graham, M.D. (Colorado)
 John B. Gunn, M.D. (UT Southwestern)
 William C. Head, M.D. (Arkansas)
 David Henry, M.D. (Baylor)
 T. Wiley Hodges, M.D. (Baylor)
 Ruth Jackson, M.D. (Baylor)
 George T. James, M.D. (Baylor)
 Marvin P. Knight, M.D. (Baylor)
 L. Ray Lawson, M.D. (Baylor)
 Eugene P. Legg, M.D. (UT Galveston)
 A.O. Loiselle, M.D. (Loyola)
 E.R. Richardson, M.D. (Albany)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

George G. Susat, M.D. (Northwestern)
 Lewis R. Thompson, M.D. (Southern California)
 Robert D. Vandermeer, M.D. (UT Southwestern)
 Margaret Watkins, M.D. (Baylor)

Clinical Instructors

M.G. Andreassian, M.D. (American at Beirut)
 Gordon Baker, M.D. (UT Southwestern)
 William M. Branch, M.D. (UT Southwestern)
 T.W. Bywaters Jr., M.D. (UT Southwestern)
 Stonie R. Cotten, M.D. (Baylor)
 James P. Evans, M.D. (UT Southwestern)
 Frank Lang, M.D. (Duke)
 Dennis C. Luedke, M.D. (Louisville)
 Arthur Sarris, M.D. (Wisconsin)
 Gerald W. Schofield, M.D. (UT Southwestern)
 Wynne M. Snoots, M.D. (UT Southwestern)
 Donald W. Vanderpool, M.D. (Baylor)

Clinical Assistants

Robert Lewis Allred, M.D. (Oklahoma)
 Phil H. Berry Jr., M.D. (Mississippi)
 R.E. Bunata, M.D. (Illinois)
 M.G. Glidewell, M.D. (UT Southwestern)
 Charles E. Graham, M.D. (UT Southwestern)
 Charles A. McAdams, M.D. (McGill)
 Allen Meril, M.D. (Albert Einstein N.Y.)
 William M. Osborne, M.D. (Baylor)
 David K. Selby, M.D. (Illinois)
 Richard A. Shirley, M.D. (Michigan)
 Robert G. Stone, M.D. (UT San Antonio)
 Kenneth J. Wagner, M.D. (Wisconsin)
 David R. Webb Jr., M.D. (Washington, St. Louis)
 William Zaayer, M.D. (Northwestern)

Division of
Otolaryngology

Associate Professor and Chairman

Henry M. Carder, M.D. (UT Southwestern)

Associate Professor

Jack P. Gunter, M.D. (Oklahoma)

Assistant Professors

Chul R. Chung, M.D. (National, Korea)
 James W. Harrington, M.D. (UT Southwestern)
 Jerry F. Sudderth, M.D. (UT Southwestern)

Clinical Emeritus Professors

Donald A. Corgill, M.D. (Washington, St. Louis)
 John D. Singleton, M.D. (Baylor)

Clinical Professors

Aram Glorig, M.D. (Loma Linda)
 Claude D. Winborn, M.D. (Baylor)

Clinical Associate Professors

James L. Baldwin, M.D. (UT Southwestern)
 Marvin Culbertson, M.D. (UT Galveston)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

John L. Jenkins, M.D. (Nebraska)
 Ludwig A. Michael, M.D. (New York)
 Edward A. Newell, M.D. (Maryland)

Clinical Assistant Professors
 Walter P. Anthony, M.D. (Indiana)
 Dorliska W. Brown, M.D. (UT Galveston)
 William M. Crutcher, M.D. (UT Southwestern)
 Robert J. Frank, M.D. (Northwestern)
 Clifford S. Huggins, M.D. (UT Southwestern)
 Donald F. Johns, Ph.D. (Florida)
 Trevor E. Mabrey, M.D. (UT Southwestern)
 Daniel M. Martinez, M.D. (Nuevo Leon)
 Lewis A. Raney, M.D. (Tulane)
 John W. O'Rear, M.D. (Tennessee)
 Marvin G. Shepard, M.D. (UT Southwestern)
 Lawrence E. Thomas, M.D. (UT Southwestern)
 Robert G. Tromly, M.D. (Tennessee)
 Bernard L. Yollick, M.D. (Toronto)

Clinical Instructors
 Robert J. Burkett, M.D. (UT Galveston)
 Jerald D. Copeland, M.D. (UT Galveston)
 Allan D. Gilbert, M.D. (Tulane)
 Jim E. Gilmore, M.D. (UT Southwestern)
 Masashi Kawasaki, M.D. (Western Ontario)
 Clyde W. Ligon, M.D. (UT Southwestern)
 Richard L. Mabry, M.D. (UT Southwestern)
 Donald N. Matheson, M.D. (UT Galveston)
 J. Gregory Quarry, M.D. (Western Ontario)
 Jimmie Shiu, M.D. (UT Southwestern)

Adjunct Clinical Assistant Professor
 Robert D. Stillman, Ph.D. (Syracuse)

Adjunct Clinical Instructor
 Ross Roeser, Ph.D. (Florida)

Division of
 Pediatric Surgery

Assistant Professor and Chairman
 Dale Coln, M.D. (Baylor)

Clinical Associate Professor
 Theodore P. Votteler, M.D. (Tulane)

Clinical Assistant Professors
 Dick G. Ellis, M.D. (Baylor)
 Leonard Graivier, M.D. (Chicago)

Clinical Instructor
 Charles M. Mann Jr., M.D. (Emory)

Division of
 Plastic Surgery

Associate Professor and Chairman
 Kenneth E. Salyer, M.D. (Kansas)

Emeritus Professor
 James T. Mills, M.D. (Minnesota)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Associate Professors

Dean C. Kipp, M.D. (Kansas)
Willard Sellman, M.D. (Baylor)

Assistant Professors

Frank E. Dunton, M.D. (UT Galveston)
William Garre, M.D. (Mississippi)
Mark L. Lemmon, M.D. (UT Galveston)

Instructors

Ronald E. Barnes, M.D. (UT Southwestern)
Byron L. Brown, M.D. (UT Southwestern)
Preston J Chandler, M.D. (Virginia)
Joseph M. Connally, M.D. (UT Southwestern)
Erskin A. Gaston, M.D. (Tulane)
Donald R. Klein, M.D. (Ohio)
Harlan Pollock, M.D. (Ohio)
Sydney G. Smith, M.D. (Baylor)

Fellow

Herman J. Cestero

Division of

Thoracic & Cardiovascular Surgery

Associate Professor and Chairman

Winfred L. Sugg, M.D. (North Carolina)

Professor

Robert R. Shaw, M.D. (Michigan)

Assistant Professors

Stephen P. Londe, M.D. (Washington,
St. Louis)
Melvin R. Platt, M.D. (Baylor)

Instructor

John T. Watson, Ph.D. (UT Southwestern)

Clinical Professors

Milton V. Davis, M.D. (UT Southwestern)
Robert H. Holland, M.D. (Jefferson)
John L. Kee Jr., M.D. (Johns Hopkins)
LeRoy J. Kleinsasser, M.D. (Nebraska)
Ben F. Mitchel Jr., M.D. (Tennessee)
Donald L. Paulson, M.D. (Minnesota)

Clinical Associate Professors

Maurice Adam, M.D. (UT Galveston)
James B. Seaman, M.D. (Indiana)
Harold C. Urschel Jr., M.D. (Harvard)
Hugh E. Wilson III, M.D. (Michigan)

Clinical Assistant Professors

William M. Ashe, M.D. (Rochester)
John C. Lane, M.D. (Escola Paulista de
Medicine, Brazil)
William J. Rea, M.D. (Ohio State)
Eugene T. Tragus, M.D. (South Carolina)

Clinical Instructors

William L. Cox, M.D. (Indiana)
Javad Fiuzat, M.D. (Tehran)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

James R. Gantt, M.D. (Johns Hopkins)
 Gerald F. Geisler, M.D. (St. Louis)
 Ridlon J. Kiphart, M.D. (Northwestern)
 Cary J. Lambert, M.D. (Virginia)
 James G. Martin, M.D. (UT Southwestern)
 Fouad M. Metni, M.D. (St. Joseph , Beirut)
 H. Thomas McSwain, M.D. (UT Galveston)
 Maruf A. Razzuk, M.D. (American at Beirut)
 Hasmukhlal H. Shah, M.D. (Bombay, India)
 Robert D. Sutherland, M.D. (Colorado)
 James L. Sweatt III, M.D. (Washington,
 St. Louis)
 William W. Taylor, M.D. (Washington, St.
 Louis)
 Richare E. Wood, M.D. (Marquette)

Adjunct Associate Professor
 John W. Eberle, Ph.D. (Ohio State)

Division of Urology

Professor and Chairman
 Paul C. Peters, M.D. (Indiana)

Associate Professor
 Terry D. Allen, M.D. (Baylor)

Clinical Emeritus Consultant
 Raworth G. Williams, M.D. (Columbia)

Clinical Consultant
 Edward White Sr., M.D. (Texas Christian)

Clinical Professors
 C. Foster Fuqua, M.D. (UT Southwestern)
 Harry M. Spence, M.D. (Harvard)

Clinical Associate Professors
 John L. Denman, M.D. (Washington, St.
 Louis)
 Myron G. Find, M.D. (Tennessee)
 Melvin C. Kadesky, M.D. (Iowa)
 Joseph D. Mitchell, M.D. (Vanderbilt)
 Harold A. O'Brien, M.D. (Wisconsin)
 Elgin W. Ware Jr., M.D. (UT Southwestern)

Clinical Assistant Professors
 Grant F. Begley, M.D. (Tulane)
 Dolphus E. Compere, M.D. (Baylor) M.A.
 (Michigan)
 Percival A. Duff, M.D. (Rochester)
 Charles S. Fromm, M.D. (New York)
 Warren M. Greene, M.D. (Rochester)
 William W. Hoffman, M.D. (UT Southwestern)
 George E. Hurt, M.D. (UT Southwestern)
 Donald J. Logan, M.D. (Northwestern)
 Kenneth Mooney, M.D. (Baylor)
 David D. Reisman, M.D. (Wayne State)
 Michael H. Schweinsberg, M.D. (Temple)
 Ralph C. Smith, M.D. (Baylor)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

THE MEDICAL FACULTY Cont'd

Clinical Instructors

Thomas L. Arnold, M.D. (Indiana)
Donald R. Balaban, M.D. (New York)
Theodford B. Boone, M.D. (UT Galveston)
C.M. Caramela, M.D. (Georgetown)
James P. Carney, M.D. (Northwestern)
James T. Coggins, M.D. (UT Southwestern)
Philip L. Damstra, M.D. (Wayne State)
Richard B. Dulany, M.D. (Oklahoma)
Melvin Gross, M.D. (Tennessee)
Donald E. Johnson, M.D. (UT Southwestern)
Hugh Lamensdorf, M.D. (Tulane)
Yondell E. Moore, M.D. (Tennessee)
Allen S. Plotkin, M.D. (Wisconsin)
James H. Sandin, M.D. (UT Southwestern)
Ben Schnitzer, M.D. (UT Southwestern)
Frank F. Splann Jr., M.D. (Tennessee)
Eugene R. Todd, M.D. (UT Southwestern)
Edward White Jr., M.D. (UT Galveston)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

SPECIAL SERVICES FACULTY

ANIMAL RESOURCES CENTER

Associate Professor of Comparative
Medicine and Director
Steven P. Pakes, D.V.M., Ph.D. (Ohio
State)

Associate Professor
John A. Shaddock, D.V.M., Ph.D. (Ohio
State)

Instructor
Franklin J. Stein, D.V.M. (Texas A&M)

INSTRUCTIONAL COMMUNICATIONS

Associate Professor and Director
Fred L. Christen, Ph.D. (Syracuse)

Assistant Professor
Virginia Vollmer, Ph.D. (Iowa)

Audiovisual & Television Services

Instructor and Director
Thomas J. Sweeney, Ph.D. (Arizona)

Medical Illustration Services

Assistant Professor and Chairman
William M. Winn, M.S. (Georgia)

Assistant Professor
William J. Stenstrom, B.S. (Washington)

Instructor
Joan Godlove, M.S. (Georgia)

LIBRARY

Professor of Library Science and
Director; Director of South Central
Regional Medical Library Program
Donald D. Hendricks, Ph.D. (Illinois)

Assistant Professor
Mary Ann Duggan, M.A. (Denver)

Reference Librarian
Elinor C. Reinmiller, M.H. (North Texas)

MEDICAL COMPUTING RESOURCES CENTER

Assistant Professor and Director
David J. Mishelevich, M.D., Ph.D.
(Johns Hopkins)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

SPECIAL SERVICES FACULTY Cont'd

Instructor and Assistant Director
Lynn L. Peterson, M.A. (Michigan)

Instructors
Susan G. Mize, B.A. (Skidmore)
J. Wesley Norred, B.A. (Arizona)
John F. Peters, Ph.D. (Southern Methodist)

STUDENT HEALTH SERVICE

Associate Professor and Director
Spencer Shropshire Jr., M.D. (UT
Southwestern)

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

DEGREES CONFERRED, 1973

Doctor of Medicine

The hospital of internship follows the name of medical graduates. "Texas" is understood unless the state is shown otherwise.

Arthur Reese Abright III
St. Vincents Hospital, New York, New York

Carolyn Dickson Ashworth
Children's Medical Center - Parkland Memorial
Hospital, Dallas

David Elsey Black
Presbyterian - University Hospital, Pittsburgh,
Pennsylvania

William Scott Blessing
Methodist Hospital, Dallas

Steven Paul Bowers
Baylor University Medical Center, Dallas

Ernest Lacey Brady Jr.
Methodist Hospital, Dallas

Olmer Ronnie Brooker
University of Miami Affiliated Hospitals, Miami,
Florida

James Lee Brooks Jr.
Wilford Hall, U.S.A.F. Medical Center, Lackland
A.F.B.

Michael Haas Brophy
The University of Texas Health Science Center
Affiliated Hospitals, Dallas

Janis Carole Edmonds Burns
University of Mississippi Medical Center,
Jackson, Mississippi

Robert White Burns
University of Mississippi Medical Center,
Jackson, Mississippi

William Lawrence Campbell
Residency in Psychiatry, Timberlawn Sanitarium,
Dallas

Daniel Gregory Capers
Residency in Psychiatry, Timberlawn Sanitarium,
Dallas

Harold Richard Capps
Parkland Memorial Hospital, Dallas

Diana D. Cardenas
University of Washington Affiliated Hospitals,
Seattle, Washington

John Tom Collier Jr.
University of Utah Affiliated Hospitals, Salt
Lake City, Utah

Desmond Brian Corbett
Parkland Memorial Hospital, Dallas

Joseph Paul Cotropia
The University of Texas Health Science Center
Affiliated Hospitals, Dallas

J. Paul Crider
St. Paul Hospital, Dallas

Steven Andrew Davis
University of New Mexico Affiliated Hospitals,
Albuquerque, New Mexico

Stevan Laurence Dinerstein
Baylor Medical College Affiliated Hospitals,
Houston

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

DEGREES CONFERRED, 1973 Cont'd

Terrence Babbit Doan
City of Memphis Hospitals, Memphis, Tennessee

Marlowe Helen Donaldson
The University of Texas Health Science Center
Affiliated Hospitals, Dallas

Noble Webster Doss Jr.
Parkland Memorial Hospital, Dallas

Michal Aaron Douglas
University of Mississippi Medical Center,
Jackson, Mississippi

William Henry Edwards Jr.
University of Mississippi Medical Center,
Jackson, Mississippi

Randolph Charles Elliott
Methodist Hospital, Dallas

William Davis Falvey
City of Memphis Hospitals, Memphis, Tennessee

Charles Emil Fisher
University of Texas Medical Branch Hospitals,
Galveston

Theodore Ernest Fogwell
Parkland Memorial Hospital, Dallas

Charles Douglas Foutz
City of Memphis Hospitals, Memphis, Tennessee

Rosalind Claire Frank
Baylor University Medical Center, Dallas

Charles Tate Gauntt
Grady Memorial Hospital, Atlanta, Georgia

Bernard Michael Gerber
Parkland Memorial Hospital, Dallas

Joe Glickman Jr.
University of Mississippi Medical Center,
Jackson, Mississippi

Gary Robert Gosdin
Parkland Memorial Hospital, Dallas

Robert William Hahn
Parkland Memorial Hospital, Dallas

Steven Arvel Haley
Parkland Memorial Hospital, Dallas

William Vandiver Harford Jr.
Parkland Memorial Hospital, Dallas

William Richard Hencke Jr.
St. Mary's Hospital, San Francisco, California

Thomas Thoman Henderson
San Francisco General Hospital, San Francisco,
California

Johnny Lee Henry
St. Paul Hospital, Dallas

Robert Stanley Henry
University of Texas Medical Branch Hospitals,
Galveston

Adrian Lee Herren
St. Johns Hospital, Tulsa, Oklahoma

Robert Allan Heyer
University of Pennsylvania Hospital,
Philadelphia, Pennsylvania

William Howard Hoffman Jr.
University of New Mexico Affiliated Hospitals,
Albuquerque, New Mexico

Sidney Wayne Holec
Parkland Memorial Hospital, Dallas

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

DEGREES CONFERRED, 1973 Cont'd

Thomas McKenzie Hooton
 University of Washington Affiliated Hospitals,
 Seattle, Washington
 Bruce Alan Hurt
 Parkland Memorial Hospital, Dallas
 Jack Marvin Hutton
 Methodist Hospital, Dallas
 Robert Logan James
 Los Angeles County Harbor General Hospital,
 Torrance, California
 Frank Ray Johnson
 Presbyterian Hospital, New York, New York
 Don Frederic Johnston
 University of Louisville Affiliated Hospitals,
 Louisville, Kentucky
 Joe Henry Juren
 University Hospital, Boston, Massachusetts
 William Bernard Klinke
 Grady Memorial Hospital, Atlanta, Georgia
 Roger Seaman Knapp II
 William Beaumont General Hospital, El Paso
 Edward Alan Kohl
 Indiana University Medical Center, Indianapolis,
 Indiana
 Norman Wallace Krouskop Jr.
 Methodist Hospital, Dallas
 Michael Leo Kudla
 Parkland Memorial Hospital, Dallas
 James Lawrence Lapis
 North Carolina Memorial Hospital, Chapel Hill,
 North Carolina
 Ernest Clinton Lawrence
 University of California Hospitals, San Francisco,
 California
 Jary Marshall Lesser
 Brackenridge Hospital, Austin
 Thomas Neilsen Long
 University of Washington Affiliated Hospitals,
 Seattle, Washington
 Dale Clifford Moquist
 University of Minnesota Hospitals, Minneapolis,
 Minnesota
 Robert John Morrow
 Baylor University Medical Center, Dallas
 Sydney Bonnick Morrow
 Methodist Hospital, Dallas
 Robert Lee Moss
 St. Vincents Hospital, New York, New York
 Barbara Elizabeth Murray
 Massachusetts General Hospital, Boston,
 Massachusetts
 Jerry Albrecht Newton
 U.S. Naval Hospital, Great Lakes, Illinois
 John Laurence Earl Nugent
 City of Memphis Hospitals, Memphis, Tennessee
 David Melton O'Dell
 Baylor University Medical Center, Dallas
 William Charles O'Donnell Jr.
 Moses H. Cone Memorial Hospital, Greensboro,
 North Carolina
 Don Martin O'Neal
 John Peter Smith Hospital, Fort Worth

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

DEGREES CONFERRED, 1973 Cont'd

Maria Elena Ortega
 St. Paul Hospital, Dallas
 Daniel John Ostergaard
 St. Mary's Hospital, Duluth, Minnesota
 Mark Cayce Paul
 University of Kentucky Medical Center, Lexington,
 Kentucky
 Fred Irwin Polsky
 Mount Sinai Medical School Affiliated Hospitals,
 New York, New York
 Bradley Bryan Price
 Parkland Memorial Hospital, Dallas
 Karen Bynum Price
 University of Kentucky Medical Center, Lexington,
 Kentucky
 Vernon Gary Price
 University of Kentucky Medical Center, Lexington,
 Kentucky
 Thomas Edwin Rain
 University of Mississippi Medical Center, Jackson,
 Mississippi
 Henry Wesley Ratliff
 Mount Sinai School of Medicine, New York, New York
 R. Douglas Rowley
 St. Joseph's Hospital, Denver, Colorado
 Ronald Jay Ruby
 Baltimore City Hospitals, Baltimore, Maryland
 William Oscar Sarette
 Hennepin County General Hospital, Minneapolis,
 Minnesota
 Reynolds James Saunders
 State University of Iowa Hospitals, Iowa City,
 Iowa
 Larry Wayne Schorn
 Parkland Memorial Hospital, Dallas
 Teddy Charles Scott
 Baylor University Medical Center, Dallas
 Jay Edward Selman
 Bronx Municipal Hospital Center, Bronx, New York
 Stuart David Small
 Los Angeles County - University of Southern
 California Medical Center, Los Angeles, California
 Harold Leroy Smitson II
 University of Arkansas Medical Center, Little Rock,
 Arkansas
 Dan Elliot Steinfink
 Harkness Community Hospital, San Francisco,
 California
 Wayne Edward Taylor Jr.
 University of Miami Affiliated Hospitals, Miami,
 Florida
 Paul Arthur Tobolowsky
 Boston City Hospital, Boston, Massachusetts
 Terry Allen Treadwell
 Scott and White Memorial Hospital, Temple
 Michael James Waldron
 Parkland Memorial Hospital, Dallas
 John Allan Walker
 University of Miami Affiliated Hospitals, Miami,
 Florida
 Rebecca Lynn Walker
 Children's Medical Center - Parkland Memorial
 Hospital, Dallas

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

DEGREES CONFERRED, 1973 Cont'd

Stephen Frank Waller
Fitzsimons General Hospital, Denver, Colorado

Sterling Edgar Walton
Baylor College of Medicine Affiliated Hospitals,
Houston

Lahroy Alward White Jr.
Residency in Otolaryngology, The Univeristy of
Texas Health Science Center Affiliated Hospitals,
Dallas

John Richardson Wilcox Jr.
U.S. Naval Hospital, San Diego, California

Michael Henry Williams
Wilford Hall, U.S.A.F. Medical Center, Lackland
A.F.B

Douglas Wayne Wooldridge
Peter Bent Brigham Hospital, Boston, Massachusetts

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

STATISTICAL SUMMARIESDEGREES CONFERRED, 1944-1972*

	<u>Conferred in 1972</u>			<u>Total 1944-1972</u>		
	<u>Men</u>	<u>Women</u>	<u>Total</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
Doctor of Medicine	95	7	102	2323	159	2482
Master of Arts	0	0	0	24	21	45
Master of Science	0	0	0	1	0	1
Master of Medical Art	0	0	0	15	13	28
Doctor of Philosophy	<u>9</u>	<u>4</u>	<u>13</u>	<u>43</u>	<u>18</u>	<u>61</u>
TOTAL	104	11	115	2406	211	2617

SUMMARY OF STUDENTS IN RESIDENCE

	<u>Men Women Total</u>			<u>Men Women Total</u>		
	<u>Sept. 7, 1971- June 2, 1972</u>			<u>Sept. 7, 1972- May 25, 1973</u>		
Medical						
Fourth Year	95	8	103	94	10	104
Third Year	96	10	106	105	10	115
Second Year	102	9	111	113	10	123
First Year	111	11	122	112	16	128
Special & Auditors	0	0	0	1	0	1
Medical Art	0	0	0	0	0	0
Graduate	<u>68</u>	<u>24</u>	<u>92</u>	<u>55</u>	<u>28</u>	<u>83</u>
	472	62	534	480	74	554

*Degrees conferred before 1950 were awarded by Southwestern Medical College of Southwestern Medical Foundation.

APPENDIXResidence

Following are the nonresident regulations defined by the Texas Legislature. Under these regulations, the term "residence" means "domiciled" and the term "resided in" means "domiciled in." The Commission on Higher Education provides uniform interpretations of the statutes and interested students should consult the Associate Dean for Student Affairs for such interpretations.

1. An individual under twenty-one (21) years of age, living away from his family, and whose family resides in another state or has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a non-resident student.
2. An individual twenty-one (21) years of age or under whose family has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a non-resident student regardless of whether he has become the legal ward of residents of Texas or has been adopted by residents of Texas while he is attending an educational institution in Texas, or within a 12-month period before his attendance, or under circumstances indicating that the guardianship or adoption was for the purpose of obtaining status as a resident-student.
3. An individual twenty-one (21) years of age or under whose parents were formerly residents of Texas is entitled to pay the resident tuition fee for the 12-month period immediately following the parent's change of legal residence to another state.
4. An individual twenty-one (21) years of age or over who has come from outside Texas and who is gainfully employed in Texas for a 12-month period immediately preceding registration in an educational institution shall be classified as a resident student as long as he continues to maintain a legal residence in Texas.
5. An individual twenty-one (21) years of age or over who resides out of the state or who has come from outside Texas and who registers in an educational institution before having resided in Texas for a 12-month period shall be classified as a non-resident student.
6. A non-resident student classification is presumed to be correct as long as the residence of the individual in the state is primarily for the purpose of attending an educational institution. After residing in Texas for a least twelve (12) months, a non-resident student may be reclassified as a resident student as provided in the rules and regulations adopted by the Coordinating Board, Texas College and University System. Any individual reclassified as a

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

APPENDIX Cont'd

resident student is entitled to pay the tuition fee for a resident of Texas at any subsequent registration as long as he continues to maintain his legal residence in Texas.

7. A non-resident who marries and remains married to a resident of Texas, classified as such under this Act at the time of the marriage and at the time the nonresident registers, is entitled to pay the resident tuition fee regardless of the length of time he has lived in Texas, and any student who is a resident of Texas who marries a nonresident is entitled to pay the resident tuition fee as long as he does not accept the legal residence of the spouse in another state.

8. (1) An officer, enlisted man or woman, selectee or draftee of the Army, Army Reserve, Army National Guard, Air National Guard, Texas State Guard, Air Force, Air Force Reserve, Navy, Navy Reserve, Marine Corps, Marine Corps Reserve, Coast Guard, or Coast Guard Reserve of the United States, who is assigned to duty in Texas is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fee and other fees or charges required of Texas residents, without regard to the length of time he has been assigned to duty or resided within the state: provided, however, that out-of-state Army National Guard or Air National Guard members attending training with Texas Army or Air National Guard units under National Guard Bureau regulations shall not be exempted from non-resident tuition by virtue to such training status nor shall out-of-state Army, Air Force, Navy, Marine Corps, or Coast Guard Reserves training with units in Texas under similar regulations be exempted from non-resident tuition by virtue of such training status. It is the intent of the legislature that only those members of the Army or Air National Guard, Texas State Guard, or other reserve forces mentioned above, be exempted from the non-resident tuition fees and other fees and charges only when they become members of Texas units of military organizations mentioned above.

(2) As long as they reside continuously in Texas, the spouse and children of a member of the Armed Forces of the United States who has been assigned to duty elsewhere immediately following assignment to duty in Texas are entitled to pay the tuition fees and other fees or charges provided for Texas residents.

(3) If non-resident military personnel are attending an institution of higher education under a contract between the institution and any branch of the Armed Forces of the United States, in which the tuition of the member of the military is paid in full by the United States Government, the student will pay the non-resident tuition fee.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

APPENDIX Cont'd

(4) A Texas institution of higher education may charge to the United States Government the non-resident tuition fee for a veteran enrolled under the provisions of a Federal law or regulation authorizing educational or training benefits for veterans.

(5) The spouse and children of a member of the Armed Forces of the United States who dies or is killed are entitled to pay the resident tuition fee, if the wife and children become residents of Texas within sixty (60) days of the date of death.

(6) If a member of the Armed Forces of the United States is stationed outside Texas and his spouse and children establish residence in Texas by residing in Texas and by filing with the Texas institution of higher education at which they plan to register a letter of intent to establish residence in Texas, the institution of higher education shall permit the spouse and children to pay the tuition, fees, and other charges provided for Texas residents without regard to length of time that they have resided within the State.

9. A teacher, professor, or other employee of a Texas institution of higher education is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fee and other fees or charges required for Texas residents, without regard to the length of time he has resided in Texas. A teacher, professor, or other employee of a Texas institution of higher education is any person employed at least one-half time on a regular monthly salary basis by a state institution of higher education.

10. An alien student is classified as a non-resident student; however, an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper Federal immigration authorities a declaration of intention to become a citizen has the same privilege of qualifying for resident status for fee purposes under this Act as has a citizen of the United States. A resident alien residing in a junior college district located immediately adjacent to Texas boundary lines shall be charged the resident tuition by that junior college.

11. The non-resident tuition fee prescribed in this Act does not apply to a non-resident student who is a resident of a state situated adjacent to Texas and who registers in any Texas public junior college situated immediately adjacent to the state in which the resident resides. The non-resident student described in this Subsection shall pay an amount equivalent to the amount charged a Texas student registered at a similar school in the state in which the non-resident student resides.

SOUTHWESTERN MEDICAL SCHOOL BULLETIN 1973-1974 Cont'd

APPENDIX Cont'd

12. The Governing Board of each institution required by this Act to charge a non-resident tuition or registration fee is subject to the rules, regulations, and interpretations issued by the Coordinating Board, Texas College and University System, for the administration of the non-resident tuition provisions of this Act. The rules, regulations, and interpretations promulgated by the Coordinating Board shall be furnished to the presidents or administrative heads of all Texas public senior and junior colleges and universities.

13. The Governing Board of state-supported institutions of higher education are authorized to assess and collect from each non-resident student failing to comply with the rules and regulations of the Governing Boards concerning non-resident fees a penalty not to exceed Ten Dollars (\$10) a semester.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
BULLETIN FOR 1973-1974

5323 Harry Hines Boulevard
Dallas, Texas 75235

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES
 THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
 BULLETIN FOR 1973-1974

THE UNIVERSITY OF TEXAS SYSTEM BOARD OF REGENTS

Officers

A.G. McNeese, Jr., Chairman
 Dan C. Williams, Vice Chairman
 Betty Anne Thedford, Secretary

Members

Terms expire January 1975

Frank C. Erwin, Jr.	Austin
Jenkins Garrett	Fort Worth
Dan C. Williams	Dallas

Terms expire January 1977

Mrs. Lyndon B. Johnson	Stonewall
A.G. McNeese, Jr.	Houston
Joe T. Nelson, M.D.	Weatherford

Terms expire January 1979

James E. Bauerle, D.D.S.	San Antonio
Edward Clark	Austin
Allan Shivers	Austin

Standing Committees*

System Administration: Williams, Chairman
 Academic and Developmental Affairs: Mrs. Johnson, Chairman
 Building and Grounds: Erwin, Chairman
 Land and Investment: Garrett, Chairman
 Medical Affairs: Nelson, Chairman
 Board for Lease of University Lands: State Land Commissioner
 Bob Armstrong (ex Officio), Chairman; Garrett, Vice-
 Chairman; Williams

*All members of the Board constitute each committee.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

ADMINISTRATIVE OFFICERS

- Charles A. LeMaistre, B.A., M.D., Chancellor, The University of Texas System, Austin
- William H. Knisely, Ph.B., B.S., M.S., Ph.D., Vice-Chancellor for Health Affairs, The University of Texas System, Austin
- Charles Cameron Sprague, B.B.A., B.S., M.D., President, The University of Texas Health Science Center at Dallas
- Julius Emmett Weeks, B.S., L.L.B., Vice-President for Business Affairs, The University of Texas Health Science Center at Dallas
- Ronald W. Estabrook, B.S., Ph.D., Dean, Graduate School of Biomedical Sciences
- Bill F. Jones, B.S., B.A., M.S., Executive Assistant to the President, The University of Texas Health Science Center at Dallas
- Anne Rucker, B.A., Registrar, The University of Texas Health Science Center at Dallas
- Suzanne L. Weakley, B.A., Secretary, Graduate School of Biomedical Sciences
- Donald D. Hendricks, A.B., A.M.I.S., Ph.D., Library Director of Regional Medical Library Program, The University of Texas Health Science Center at Dallas
- Hollis R. Smith, B.B.A., Business Manager, The University of Texas Health Science Center at Dallas
- Robert G. Fenley, Director of Medical Information, The University of Texas Health Science Center at Dallas
- James F. Cooper, Director of Physical Plant, The University of Texas Health Science Center at Dallas

FORWORD

The advancement of medical knowledge depends on the training of intellectually stimulated, innovative experimenters who will serve as the leaders of biomedical research in the future. The goal of the Graduate School of Biomedical Sciences at The University of Texas Health Science Center at Dallas is to provide the outstanding student with the opportunity and the stimulus to investigate in depth and to solve contemporary problems in the biological, physical and behavioral sciences.

In addition to attaining an excellence in science, the graduate student of today must also master the art of teaching. Therefore, the student is trained not only to develop and experimentally test new ideas, and thereby contribute to our understanding of biomedical science, but also to communicate these findings to others within the context of present-day society.

The Graduate School comprises ten specific areas of graduate studies: Biochemistry, Biophysics, Cell Biology, Clinical Psychology, Microbiology, Pharmacology, Physiology, Radiation Biology, Radiological Physics and Rehabilitation Counseling. Although enrolled in a specific program area, the graduate student is not restricted to courses in that area. He must be exposed to a wide variety of academic disciplines in order to be prepared for the rapidly changing emphases in biomedical sciences. Historical labels of graduate programs should not be taken literally; for example, Biochemistry encompasses molecular biology, Microbiology includes immunology, etc. The student gains a wide perspective of contemporary biomedical science through interdisciplinary courses, seminars and informal discussions, not only in the graduate school but also in the medical school.

The opportunity for graduate students to obtain educational training at a health science center, side by side with Medical students and students in the allied health professions, fosters their ability to make significant contributions to the advancement of knowledge of cancer, heart disease, mental health and other aspects of medicine.

Ronald W. Estabrook, Ph.D.
Dean, Graduate School of
Biomedical Sciences

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

The information in this bulletin is as accurate as was possible to attain at the time of publication. The provisions are subject to change without notice and do not constitute an irrevocable contract between any applicant for admission or student and the Graduate School of Biomedical Sciences of The University of Texas Health Science Center at Dallas. The School is not responsible for any misrepresentation of its requirements or provisions that might arise as a result of errors in the preparation of this bulletin.

It is the policy of the Graduate School of Biomedical Sciences to ensure equal employment opportunity to all individuals in a positive program of non-discrimination in all areas of employment--recruitment, hiring, training, assignment, promotion, use of facilities and privileges without regard to race, sex, creed, color, age or national origin--and to assure that qualified applicants will be employed. All employees are judged by the same standards of job performance and qualifications regardless of sex, race, color, age, creed or national origin.

The School gives careful consideration to all available information about each applicant for admission and accepts those who are best qualified without regard to race, color, sex, creed or national origin.

TABLE OF CONTENTS

- Board of Regents
- Administrative Officers
- Foreword
- Table of Contents
- Calendar of Events
- The University of Texas Health Science Center at Dallas
 - Expansion and Growth
- The Graduate School of Biomedical Sciences
 - Graduate Faculty
 - Special Professorships
- Special Facilities
 - The Florence Bioinformtion Center
 - The Animal Resources Center
 - Parkland Memorial and Children's Hospitals
 - TAGER
 - Skillern Student Union
- General Information
 - Graduate Degree Programs
 - Admissions
 - General Requirements
 - Foreign Students
 - Student Responsibility
 - Registration
 - Courses of Instruction
 - Grades
 - Requirements for Graduate Degrees
 - General Requirements
 - Foreign Language Requirement
 - Specific Requirements for Masters' Degrees
 - Specific Requirements for Ph.D. Degrees
- Special Graduate Students
- Combined Medical and Graduate Program
- Retention, Probation and Dismissal
- Withdrawal, Leave of Absence and Readmission
- Graduation
- Tuition and Fees
 - Refund of Tuition and Fees
- Residency Defined
- Financial Aid
 - Loan Funds
 - Special Fellowships
 - Teaching Assistantships
 - Fellowships, Research Assistantships and Tuition
 - Scholarships
 - Deadlines
- Student Health Services
 - Hospitalization Insurance
- Parking
- Graduate Student Organization
- Living in Dallas
- Maps
- Graduate Programs
 - Biochemistry
 - Biophysics
 - Cell Biology
 - Clinical Psychology
 - Microbiology
 - Pharmacology
 - Physiology
 - Radiation Biology

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

TABLE OF CONTENTS Cont'd

Radiological Physics
Rehabilitation Counseling
Courses Offered in Other Departments
Sigma Xi Graduate Student Research Forum
Student Presentations, Fifth Annual Research Forum
Index of Faculty Members

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

CALENDAR OF EVENTS 1973-74
Graduate School of Biomedical Sciences

1973

September 3, Monday	Labor Day Holiday
September 5, Wednesday	Registration, 1:30-4:00 p.m.*
September 6, Thursday	First day of classes, fall semester
September 17, Monday	Special registration for Clinical Psychology students
November 22-25, Thursday-Sunday	Thanksgiving Holidays
December 21, Friday	Last day of classes
December 24, Monday	First day of holiday period

1974

January 1, Tuesday	Last day of holiday period
January 7, Monday	Classes resume, 8:00 a.m.
January 18, Friday	End of fall semester
January 21, Monday	Registration, 9:00-11:00 a.m. spring semester*
April 1, Monday	Deadline for filing applications for teaching assistantships, fellowships and scholarships
April 12, Friday	Afternoon holiday
April 22, Monday	Deadline for submission of all items necessary for graduation
May 27, Monday	Memorial Day Holiday; graduation exercises, 8:00 p.m.
May 31, Friday	End of spring semester
June 10, Monday	Registration and first day of classes, summer session*
July 4, Thursday	Holiday
August 27, Tuesday	Lyndon B. Johnson's Birthday, holiday
August 30, Friday	End of summer session
September 2, Monday	Labor Day Holiday
September 4, Wednesday	Registration, fall semester 1974-75
September 5, Thursday	First day of classes
September 16, Monday	Special registration for Clinical Psychology students

*For times of registration and beginning of classes offered at other campuses, the appropriate bulletin should be consulted.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS

Since its formation in 1943, Southwestern Medical School has grown from a small wartime medical college into The University of Texas Health Science Center at Dallas, a multi-faceted academic institution of nationally recognized excellence in the education of physicians, biomedical scientists and health care personnel.

Under the leadership of the late Dr. Edward H. Cary, a group of prominent Dallasites organized Southwestern Medical Foundation in 1939 to promote medical education and research in Dallas and the region. When Baylor University elected to move its school of medicine from Dallas to Houston in 1943, the Foundation formally established Southwestern Medical College as the 68th medical school in the United States. When a new state medical school was proposed after World War II, leaders of Southwestern Medical Foundation offered the colleges, equipment, library and certain restricted funds to the University of Texas, provided the University would locate its new medical branch in Dallas. The Board of Regents accepted this offer to the Foundation, and in 1949 the College became Southwestern Medical School of The University of Texas. In 1954 the name was changed to The University of Texas Southwestern Medical School at Dallas. The present campus site was occupied in 1955 with completion of E.H. Cary Hall, adjacent to Dallas' new Parkland Memorial Hospital on Harry Hines Boulevard.

Expansion and Growth

In November, 1972, the name and scope of the medical school was changed with its reorganization into The University of Texas Health Science Center at Dallas-- comprising Southwestern Medical School, the Graduate School of Biomedical Sciences and the School of Allied Health Sciences. In approving the concept of a Health Science Center, the Board of Regents recognized the need for a diversified educational and research program which would provide a spectrum of well-prepared medical practitioners, biomedical scientists, and health-care professionals. In addition, it provided for the continued growth of the coordinated but separate medical, graduate and undergraduate components, interacting creatively on the problems of the health and well-being of man.

The Health Science Center presently is in the midst of a dramatic expansion of its physical facilities. In a little over a year, improvements valued at more than \$40 million will be completed on the scenic campus in northwest Dallas to accommodate gradual doubling of annual enrolling medical classes, as well as to provide for commensurate growth of the graduate and allied health school programs.

The expansion program and the creation of the Health Science Center represent major strides toward realization of the goal set earlier by President Charles C. Sprague for the institution to become a broad-spectrum, interdisciplinary health sciences campus, embracing a variety of medical and scientific expertise.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES

The graduate programs were initially established as a part of the Southwestern Medical School's teaching program in the basic sciences. The first graduate degree, a doctorate in microbiology, was awarded in 1955. From this beginning, the Graduate School has grown to encompass ten programs in basic and behavioral sciences. Additional programs are in the planning stage to keep pace with the ever expanding needs for knowledge in the basic biomedical sciences.

Enrollment has steadily increased, and the maturity of the Graduate teaching program was recognized in late 1972 when The University of Texas System Board of Regents, as part of an institutional reorganization, authorized establishment of the separate Graduate School of Biomedical Sciences within The University of Texas Health Science Center at Dallas. The Graduate School is housed partially in the new Basic Sciences Research Center, which was opened in 1972, and partially within refurbished existing facilities of the Medical School.

The Health Science Center's expansion, now approaching completion, will permit further growth of the Graduate School of Biomedical Sciences, enabling it to better meet society's needs for a spectrum of highly trained biomedical scientists for advanced positions in research, teaching and service. From its current enrollment of 85, the Graduate School is projected to grow to an estimated 200 students by the end of this decade. In 1972, 13 Doctor of Philosophy degrees in graduate sciences were conferred.

The current building program will greatly facilitate expansion of the scope and versatility of the Graduate School (see map). Among the buildings nearing completion are the Basic Sciences Teaching Building, which complements the newly occupied Basic Sciences Research Building, and the Florence Bioinformation Center. Facilities at present still in the planning stage include a new center for experimental animals. Increased cooperation is being attained with several other local institutions of advanced learning and research. These include The University of Texas at Dallas, The University of Texas at Arlington, Southern Methodist University and the Veterans Administration Hospital.

Graduate Faculty

As it has matured into a separate entity of academic distinction, the Graduate School of Biomedical Sciences has benefited from the talents of a basic science faculty of the Medical School, noted for its contributions to research and innovative teaching methods. Many faculty members have recently served or currently are serving as heads of national professional societies, and as editorial board members of major scientific publications. Throughout their course of advanced instruction, students in the Graduate School of Biomedical Sciences remain closely in contact with these senior faculty members who are nationally recognized experts in

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE SCHOOL Cont'd

their fields. Courses of study are structured to permit maximum intellectual interchange between teacher and student so as to develop individual abilities to the utmost.

Special Professorships

The Virginia Lazenby O'Hara Professorship in Biochemistry. On March 8, 1968, the Board of Regents of The University of Texas accepted a trust agreement executed by Mrs. Virginia Lazenby O'Hara and the President of Southwestern Medical Foundation to provide a fund from which the net income is to be used for the establishment, support and maintenance of the Virginia Lazenby O'Hara Professorship of Biochemistry for teaching and research in the field of biochemistry at The University of Texas Southwestern Medical School at Dallas. The first Virginia Lazenby O'Hara Professor of Biochemistry is Dr. Ronald Estabrook, Chairman of the Department of Biochemistry.

The Emma Freeman Professorship for Irradiation Research. On February 25, 1966, the Board of Regents of The University of Texas accepted from the Texas Division of the American Cancer Society a gift for a Professorship in Irradiation Research. At the meeting of the Board on September 30, 1966, the designation of this Professorship as the Emma Freeman Professorship for Irradiation Research was approved. Dr. Mary Esther Gaulden, Associate Professor of Radiology, is the present holder of this appointment.

SPECIAL FACILITIESThe Florence Bioinformation Center

The Florence Bioinformation Center, created to bring together units dealing primarily with information and its utilization, includes the Library, the Office of Instructional Communications and the Medical Computing Resources Center.

The Library, organized in 1943 when Southwestern Medical School was founded, now contains more than 200,000 volumes. Around 2,500 serials and journals are currently received, and between 8,000 and 9,000 new books and bound journals are being added to the collection each year. The Library has a growing collection of slides, audiotapes and films, and cooperates with the Office of Instructional Communications to provide the best materials and equipment. Trained personnel provide searches of the computer data bases provided by the National Library of Medicine. The Library is now located in the Cary Building, but will move to the Florence Bioinformation Center when it is completed in 1974.

The Library has taken its place in regional and national cooperative and communications networks in order to speed interlibrary loan service to patrons and to facilitate the exchange of information within the larger health science community. Courtesy cards, enabling students to obtain materials from area colleges and universities, are available from the Library administration office.

The Office of Instructional Communications is a rapidly developing unit whose goal is increased effectiveness of health science education. This unit includes medical illustration, television and audiovisual services. It produces programmed learning materials and also plans and researches computer-assisted instruction; it designs, selects and tests instructional equipment. It maintains television facilities by which closed-circuit presentations are made throughout the Health Science Center and its affiliated hospitals, and which are also linked to the TAGER television network (see Courses of Instruction). This network provides major universities and industries in the North Texas area with regularly scheduled graduate lectures and courses. Production and administration are also provided for the Dallas Area Hospital Television System which conducts daily television programming to meet the training needs of its member hospitals.

The medical illustration section produces a wide array of audio-visual materials. It functions both as a service department for research and education, and as an instructional department in teaching techniques of audiovisual production and display to special students. It provides drawings and paintings of medical procedures and subjects, produces graphic design for all media, provides a broad range of photographic services

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

SPECIAL FACILITIES Cont'd

including still, microscopic, and motion picture films, three-dimensional models and sculptures, along with preparation of exhibits and displays.

The personnel and facilities of the Medical Computing Resources Center (MCRC) provide consultation and service in the areas of scientific applications, real-time laboratory support, operations research and data base management systems, computer-assisted instruction, clinical information systems, text processing and computer graphics. In addition to consultation in computer services, the Center provides systems analysis, programming and data entry.

The MCRC is the major laboratory for the Department of Medical Computer Science of Southwestern Medical School. Available computing facilities include the North Texas Regional Computer Center (NTRCC) (on campus) with its IBM 370/155 computer (1 megabyte). The MCRC has a Digital Equipment Corporation DECsystem-10 computer, which acts as a remote-job-entry terminal to the NTRCC, provides for interactive on-line clinical information systems and, with a PDP-11/45 associated computer, provides a central facility for real-time computing activities. Both the IBM 370/155 and the DECsystem-10 computers provide for support of interactive hard copy and cathode-ray-tube displays.

Animal Resources Center

The Animal Resources Center (ARC), under the direction of Steven P. Pakes, D.V.M., Ph.D., is responsible for the production, procurement, conditioning and maintenance of experimental animals, and the health status of these animals throughout the institution. In addition, the ARC provides experimental surgery facilities to support animal research programs.

Faculty and staff are available for consultation and guidance in selection of animal models for research and teaching and for the sources of specific species and strains. The faculty consists of S.P. Pakes, D.V.M., Ph.D.; J.A. Shaddock, D.V.M., Ph.D. and Frank J. Stein, D.V.M.

The ARC is developing courses concerned with experimental techniques, experimental surgical procedures and biological characteristics of laboratory animals and animal models for biomedical research.

Currently, there are approximately 35,000 sq. ft. of space devoted to the housing and service of research animals. Facilities in the planning stage include the new Animal Resources Center Sciences Building (planned completion 1976) and an off-campus facility for conditioning and standardizing dogs, cats and nonhuman primates. Additionally, 25 acres of land will be available for housing large research animals.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

SPECIAL FACILITIES Cont'dParkland Memorial Hospital Building Program

An extensive expansion and renovation program begun in 1970 at Parkland Memorial Hospital is nearing completion and will increase the bed capacity to almost 900 beds. A newly added south wing will facilitate the expansion of service areas in the hospital, including the Departments of Radiology, Pathology, Emergency Suite, Operating and Labor-Delivery Rooms, new Pediatric Divisions, Physical Medicine and Rehabilitation and Dietary.

A 906-car parking facility, located behind Parkland's Staff Residence, was completed last year.

Children's Medical Center of Dallas

Children's Medical Center of Dallas, located at 1935 Amelia Street, is a 122-bed general medical facility serving children from birth through 18 years of age. Colorful new quarters were occupied in August, 1967. A non-profit, community-owned organization established in 1913 as a hospital for infants, the center now offers a complete program for medical, surgical and psychiatric patients both private and charity. In addition to a regular program of diagnosis and treatment of illnesses, specialty clinics numbering 24 are conducted in the large Outpatient Department.

TAGER

TAGER (The Association for Graduate Education and Research of North Texas) is an inter-institutional, non-profit educational television system comprised of seven private and two public institutions. The lectures are "live" and originate on a TAGER institution campus. Two classrooms in the Graduate School of Biomedical Sciences are equipped to receive courses and have "talk back" facilities. Participating institutions are: Austin College, Bishop College, Dallas Baptist College, Southern Methodist University, Texas Christian University, Texas Wesleyan College, The University of Texas at Dallas, The University of Texas Health Science Center at Dallas and The University of Dallas.

Callier Hearing and Speech Center

Callier Hearing and Speech Center has become one of the most outstanding multidimensional human communication disorders facilities in the country. It is housed on the campus of The University of Texas Health Science Center and consists of three interrelated divisions: educational, research and clinical. The cohesive liaison among the divisions permits a comprehensive approach to the diagnosis, appraisal and remediation of communication disorders, and provides immediacy of consultive interplay among medical, paramedical and educational personnel.

SPECIAL FACILITIES Cont'd

The Research Division of Callier is a facility designed to conduct basic and applied research in auditory and vestibular physiology, psychoacoustics and speech science. Housed in 14,000 square feet, the division contains ten experimental laboratories, an anechoic chamber, a reverberation room, animal surgery, vestibular room and a histological suite with provision for an electron microscope.

The long range goal of the division is to provide a more detailed anatomical and physiological framework of the auditory pathway and to advance organizational principles of brain function fundamental to the auditory communicative activities of an organism. The objectives are to understand how the auditory nervous system processes acoustic information and to investigate storage in the brain. Single and multiple neuronal responses of the auditory brain stem nuclei and auditory cortical areas to monaural and binaural stimulation is the concern. These electrophysiological studies make use of a variety of animals so that phyletic differences and similarities can be uncovered from which extrapolations to the human brain can be made.

Staff: G. Moushegian, Ph.D., Director and Adjunct Professor of Physiology; G. Gerken, Ph.D. and A. Rupert, B.S., Research Scientists; R. Stillman, Ph.D., Research Scientist and Professor of Otolaryngology; and H. Wiggins, M.S., Systems Engineer and Head of Computer Facility.

In addition to participation in the Graduate Program in Physiology at UTHSC, the Center offers a new graduate program in Communication Disorders (M.S. and Ph.D.) jointly with The University of Texas at Dallas. For additional information, students should contact: Director of Admissions and Registrar, The University of Texas at Dallas, P.O. Box 30365, Dallas, Texas 75230.

Student Union Building

The Skillern Student Union Building (SSU) is located near the Basic Sciences Research Center (see campus map). It has facilities for table tennis, pool and weight lifting. Also available are tables for studying or eating, color television, snack machines, a lounge area, as well as typewriters, cassette tape-players, and slide projectors. The tennis courts and a jogging track are located nearby. The SSU is available for student sponsored functions such as lectures by guest speakers, parties, committee meetings, etc. The Registrar's office is located in this building pending completion of the Administration Building.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATIONGraduate Degree Programs

Programs leading to the degrees of Doctor of Philosophy, Master of Arts or Master of Science are offered in the following academic areas:

<u>Program Area</u>	<u>Degree</u>
Biochemistry	Ph.D., M.A.
Biophysics	Ph.D., M.A.
Cell Biology	Ph.D.
Clinical Psychology	Ph.D.
Microbiology	Ph.D., M.A.
Pharmacology	Ph.D., M.A.
Physiology	Ph.D., M.A.
Radiation Biology*	Ph.D., M.A.
Radiological Physics**	M.S.
Rehabilitation Counseling	M.S.

*In cooperation with The University of Texas at Dallas

**Joint program with The University of Texas at Arlington

Descriptions of the foregoing program areas are given elsewhere in this bulletin. Several additional degree programs, subject to approval by The University of Texas Board of Regents and the Coordinating Board of the Texas College and University System, are presently under consideration.

Each degree program is under the jurisdiction of a separate Committee on Graduate Studies specific to the academic area involved. Subject to approval of the Graduate Executive Committee and the Dean of the Graduate School of Biomedical Sciences, the Graduate Studies Committee has responsibility to select applicants for admission, to determine requirements for degrees in its area, to determine course offerings, to evaluate the academic progress of students under its jurisdiction, to recommend which students shall be regarded as candidates for a degree or have satisfactorily completed requirements for a degree, and to administer all other aspects of the program in its area.

Admissions

Requests for application forms and other queries should be sent either to the Office of the Dean of the Graduate School of Biomedical Sciences or to the Director of Admissions (who may be the Chairman of the Committee on Graduate Studies or his designated representative) for the chosen area of study. (See program descriptions for details).

Requirements for Admission

There are three minimum requirements which must be met in applying for admission as a regular graduate student:

1. A bachelor's degree or its equivalent from an ac-

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

credited institution in the United States or proof of equivalent training at a foreign university.

2. Satisfactory grades (generally at least a grade point average of B) especially in appropriate courses in upper division (junior and senior level) work and in any graduate work already completed. Each applicant is required to have sent to the Dean's Office or the program Director of Admissions two certified transcripts from each institution of higher learning attended.

3. A satisfactory score on the Graduate Record Examination (GRE) Aptitude Test (generally a combined score of at least 1000 on the verbal and quantitative parts of this examination).

The applicant must request that his GRE scores be sent directly to the Dean's office or to the appropriate program Director of Admissions. The code number for The University of Texas Health Science Center Graduate School of Biomedical Sciences is R6686-0. The GRE, administered by the Educational Testing Service, is given at various centers (usually colleges and universities) in the United States and abroad. The current test dates are: October 27, 1973; December 8, 1973; January 19, 1974; February 23, 1974; April 27, 1974, and June 15, 1974. Usually the Aptitude Test is given in the morning and the Advanced Tests in the afternoon. Inquiries about the testing program should be addressed to the Graduate Record Examination, Educational Testing Service at one of two cities depending on the location of the applicant. Those living in or west of Montana, Wyoming, Colorado, Oklahoma, Arkansas and Texas should write to P.O. Box 1503, Berkeley, California 94701. Individuals living east of these states should address inquiries to P.O. Box 955, Princeton, New Jersey, 08540.

In addition to the foregoing minimum requirements, the applicant must be acceptable to the Committee on Graduate Studies in the proposed area of study (see program descriptions elsewhere in the Bulletin). The Committee will judge acceptability with reference to criteria such as the adequacy of the applicant's preparation for the proposed area of study, the favorableness of letters of recommendation from qualified persons and other evidence of the applicant's potential for a scientific and professional career relative to that of competing applicants. The number of qualified applicants who may be accepted is limited by factors such as availability of faculty and facilities. All admissions are subject to the approval of the Dean.

Since deadlines for completed applications exist and vary from program to program, potential applicants should ascertain the necessary dates from the program Director of Admissions. Early application, well in advance of such deadlines, is strongly advised. In

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

addition, the GRE should be taken a number of months in advance of the deadlines. While a personal interview is not mandatory, applicants are encouraged to visit the campus and consult with graduate faculty in their program of interest.

Successful applicants will be notified by mail by the Dean of the Graduate School, together with a statement of any restrictions which might be imposed. Unsuccessful applicants will be notified in writing by the program Director of Admissions.

Foreign Students

In addition to meeting the general requirements for admission as described above, applicants whose native language is not English must show sufficient command of the English language to permit them to study effectively at the Graduate School of Biomedical Sciences. Thus, such applicants are required to take the Test of English as a Foreign Language (TOEFL) and to have their scores submitted to their program Director of Admissions. This test is administered approximately four times each year at many locations throughout the world as well as in the United States. Copies of the TOEFL Bulletin of Information for Candidates may be obtained from American embassies and consulates, offices of the United States Information Service, or by writing the Educational Testing Service, Box 899, Princeton, New Jersey, U.S.A. 08540.

Since transcripts of record from foreign universities must be evaluated by a special committee at The University of Texas main campus at Austin, prospective students are required to submit their application forms and transcripts by March 1 or earlier if specified by the program to which they are applying.

Successful applicants must obtain a "Certificate of Eligibility for Nonimmigrant 'F-1' Student Status" (U.S. Department of Justice, Immigration and Naturalization Service, Form I-20A and I-20B), signed by the Dean of the Graduate School or his designate. This form must be presented to American consular officials when applying for a visa, to Immigration officials when entering the U.S., and to the registrar of The University of Texas Health Science Center at the time of registration. F-1 Student Status never extends beyond one year from the date of issuance, and students must make arrangements with the registrar for renewal well in advance of expiration. Applicants who are awarded a teaching assistantship or other stipend, or who intend to seek employment during their stay in the United States, will not be eligible for an F-1 visa and should consult with U.S. Immigration Service or Embassy officials to obtain the appropriate visa.

Every nonimmigrant student or alien in the United States must report his address to the Immigration and

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

Naturalization Service each January and every three months. Address changes must be reported within ten days. Forms for these purposes are available at any U.S. Post Office or the U.S. Immigration Service office in Dallas.

Student Responsibility

A student is held responsible for understanding degree requirements and for enrolling in courses necessary for his degree program. He is also held responsible for knowing the University regulations with respect to the standard of work and conduct required for continued enrollment in the Graduate School. If a student needs additional information, he should consult the Graduate School Office.

To obtain a complete list of requirements for a particular degree, the student should combine the general requirements detailed in this section with the special requirements listed under the graduate program of choice.

Registration

A full-time graduate student is expected to be registered for a full load of course work throughout the year, including the summer session.

Before registering, both new and continuing students should consult with their Graduate Advisors regarding specific courses and should secure written approval. Registration is completed at the Registrar's office.

The typical academic load in semester hours varies with the program and other factors. Nine hours is the minimum for full-time registration; the more usual full-time academic load is between 12 and 15 semester hours.

Changes in course load (adding or dropping) during a semester require written approval of the student's Graduate Adviser, the professor teaching the course, and the Registrar (see also the section, Fees).

A student must be currently registered for the appropriate dissertation or thesis course if he expects to receive advice or direction from his supervisor(s) during the preparation of his thesis or dissertation.

A student is not required to be registered during the semester in which the degree is conferred.

Courses of Instruction

Graduate courses are offered only as the need arises, and are listed under program descriptions. The unit of measure for credit in graduate work is the semester hour. A three-digit system is generally used for

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

designating courses, with the first digit indicating the number of semester hours. Certain courses, such as research and seminar, may be repeated for credit.

In addition to the courses listed under the individual program descriptions, certain courses at the Southwestern Medical School are open to graduate students (see information in the section, Courses in Other Departments).

Closed-circuit television courses, graduate and undergraduate, are open to students through the TAGER network.

A student who is admitted to a graduate program at the Graduate School of Biomedical Sciences may apply for permission to take a course(s) on the campus at one of the private Universities in Dallas or at any of the other components of The University of Texas System:

The University of Texas at Arlington
 The University of Texas at Austin
 The University of Texas at Dallas
 The University of Texas Dental Branch at Houston
 The University of Texas Dental School at San Antonio
 The University of Texas at El Paso
 The University of Texas Graduate School of Biomedical Sciences at Houston
 The University of Texas Medical Branch at Galveston
 The University of Texas Medical School at Houston
 The University of Texas Medical School at San Antonio
 The University of Texas Nursing School (Systemwide)
 The University of Texas of the Permian Basin
 The University of Texas at San Antonio
 The University of Texas School of Public Health at Houston

Grades

In the Graduate School, credit is given for grades A, B and C. In the student's major, a grade average of B must be maintained as a minimum requirement. In other words, every C must be balanced with an A.

This standard grading system is not practicable for some courses, so the symbols S (satisfactory) or U (unsatisfactory) are used. Such grades (courses) may or may not be included in the number of semester hour credits required for a Master's degree program, at the discretion of the Graduate Studies Committee. They are taken into account in Doctoral degree programs which do not have specified semester hour requirements.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

The symbol I (incomplete) is used when the student has not completed all assignments by the conclusion of the course. This grade is valid for only a twelve-month period. If the student turns in the required work before the end of this period, a regular grade is recorded. If not, the I is automatically changed to an F.

Requirements for Graduate Degrees

1. The student must demonstrate a high order of scholarly achievement in his chosen field of study, including appropriate research and professional competencies. The program Committee on Graduate Studies, through designated Graduate Advisors and Supervisors, determines the student's program of study and evaluates whether or not adequate mastery has been acquired.
2. For any graduate degree, a student must be in academic residence for at least two semesters. In practice, the Master's degree usually requires from one to two years of graduate study, while the Doctorate usually requires three or more years. A semester of academic residence is defined as satisfactorily completing twelve semester hours of courses given at The University of Texas Health Science Center at Dallas (some of these courses may be taken at other universities participating in an inter-institutional program).
3. The student must discharge all financial and other obligations to the Health Science Center. In the event of nonpayment, one or more actions may be taken by the Dean: (1) readmission may be denied, (2) a student's grades and official transcript may be withheld, and (3) the degree to which the student would otherwise be entitled may be withheld.

Foreign Language Requirement

Each program Committee on Graduate Studies determines whether proficiency in a foreign language will be required for a Doctoral degree. Some programs permit substitution of Fortran for the language requirement. On this point, the student should consult the specific requirements of the program of choice.

In addition to the foregoing general requirements, there are specific requirements in each degree program (see program descriptions for further information).

Specific Requirements for the Master's Degree

At least 30 semester hours of course credit are required for the Master's degree. The student is required to complete a thesis which is acceptable to a supervisory committee appointed to direct and evaluate the thesis. Master's degree candidate must submit two bound final copies of their theses and reports of final oral examinations signed by the supervisory committee members.

GENERAL INFORMATION Cont'dSpecific Requirements for the Degree of Doctor of Philosophy

For the Ph.D. degree, no minimum number of semester hours or credit (beyond those needed to satisfy the residence requirement) is required, since the true basis for receipt of a degree is the candidate's demonstration of mastery of a field and his proven ability to perform scholarly work in it. At such time as the student is deemed prepared by the program Committee on Graduate Studies and passes a qualifying examination, written and/or oral, given under the auspices of the Committee, he is formally admitted to candidacy.

The student is required to conduct independent research under the guidance of a supervising professor and to prepare a dissertation which must be defended before a specially appointed committee. Doctoral candidates are required to submit a vita, dissertation abstracts, the signed report of defense of dissertation, the original unbound copy of the dissertation and several other forms available from the Dean's office. The foregoing materials must be received in the Dean's office at least five weeks before the degree is conferred.

SPECIAL GRADUATE STUDENTS

Under exceptional circumstances, individuals wishing to take one or two graduate courses for credit, but who have not been admitted as graduate students may do so provided they:

1. Present satisfactory evidence of academic preparation for the course(s) to the chairman of the teaching department or to the chairman of the graduate program sponsoring the course and secure written approval.
2. Secure written approval of the Dean. Permission is valid for only a single semester.
3. Secure permission of the instructor of the course involved.
4. Pay all appropriate fees and costs.

Such Special Graduate Students may enroll for no more than six semester hours in any one semester unless the single course of interest exceeds that number. Registration will be permitted only if undue crowding of facilities will not result. Employees of The University of Texas Health Science Center at Dallas may upon meeting the above requirements and upon receiving approval from their immediate supervisor enroll for no more than three semester hours in any one semester without loss of pay.

GENERAL INFORMATION Cont'dCOMBINED MEDICAL AND GRADUATE PROGRAM

There is an ever-increasing demand for medical scientists with advanced training in research and graduate level education in one or more of the basic medical sciences. Qualified students may consider programs leading to both an M.D. and a graduate degree. The graduate degree may be at the Master's or the Doctor of Philosophy level.

Admissions must be sought separately to the Medical School and the Graduate School, and admission to one does not guarantee admission to the other. After admission to both schools, there are many patterns in which the combined program may proceed, but the Committee on Graduate Studies of the intended major area of study must give approval. The total time added to the medical curriculum for the additional program is generally a year for the Master's degree or three years for the Ph.D. degree. Summer registration may reduce the total time required. For additional information, consult the Dean of the Graduate School.

RETENTION, PROBATION AND DISMISSAL

Retention of a student in the Graduate School is dependent upon his making satisfactory academic progress as determined by the program Committee on Graduate Studies. In general, a minimum requirement for satisfactory academic progress is a course grade average of B and/or S (satisfactory). The student's supervisor will periodically communicate to the student an evaluation of his academic progress.

If a student is not making satisfactory academic progress, the Committee may either place him on probation for a specified period with specified conditions for removal of probation or recommend to the Dean that he be dismissed. Probation also may be given or dismissal recommended if a student is judged by the Committee, subject to approval by the Dean, to be guilty of violation of the Honor Code or breaches of ethical and professional standards directly relevant to the role of the graduate student. A student who fails to register for two successive semesters after beginning graduate work may be recommended for dismissal.

WITHDRAWAL, LEAVE OF ABSENCE AND READMISSION

To withdraw, obtain a leave of absence, or be readmitted, the student must initiate his request in writing to the chairman of the committee on Graduate Studies. The Committee then arrives at a recommendation and forwards it in writing to the Dean, who, in writing, approves, stating any appropriate restrictions, or disapproves. Only in this way can honorable dismissal be recorded and action started on a refund of payment in accordance with the policy set forth in the section on fees.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GENERAL INFORMATION Cont'd

A student who wishes to be readmitted will be considered in competition with other applicants.

GRADUATION

Degrees may be conferred at the end of each semester or the summer session, but only one graduation ceremony is held each year, at the end of the spring semester. Students are encouraged but not required to attend the ceremony. All students on whom degrees have been conferred since the previous graduation will be listed in the graduation program.

TUITION AND FEES

All tuition and fees are payable at the time of registration; a student is not registered until his tuition and fees are paid in full.

All fees are subject to change without prior publication.

Property Deposit of \$10.00 covers fines, breakage of equipment, loss of books and miscellaneous charges.

Tuition - Texas Resident	\$4.00 per semester hour (Minimum - \$50.00 per semester)
- Non-Resident	\$40.00 per semester hour
- Foreign Students	\$14.00 per semester hour (Minimum - \$200.00 per semester)

A visitor fee of \$5.00 per course is required of persons not registered for credit and the visitor must pay the laboratory fee the same as for credit. If the visitor desired to use the Library, a non-student library deposit of \$5.00 is required.

Graduation Fee -- \$25.00 - payable at registration for the final semester is required of all students who will receive a degree. Students who withdraw before graduation are entitled to a refund. No refund can be given for students who graduate in absentia.

Student Health Service Fee -- \$1.26 per month. All students must have hospitalization insurance. You must provide us with a form that identifies your present insurer or purchase the Hospitalization Policy provided by the University.

Hospitalization Insurance (Student)	\$10.74 per month
Hospitalization Insurance (Student and Dependent)	\$25.82 per month
Hospitalization Insurance (Student and Family)	\$30.13 per month

Laboratory Fee -- \$8.00 - (for each 4 hour course or more).

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

TUITION AND FEES Cont'd

Student Union Fee -- \$5.00 per semester

Refund of Tuition and FeesRegular Session

A student who officially withdraws from the Graduate Program will receive a refund of tuition and fees according to the schedule below. No fees other than graduation and tuition fees are refundable.

	<u>Refunds</u>
During first week of classwork	70%
During second week of classwork	60%
During third and fourth week of classwork	40%
During fifth week of classwork and thereafter	00%

Summer Session

Refunds will be made as follows:

	<u>Refunds</u>
First three class days	60%
Fourth, fifth or sixth class day	50%
Thereafter	00%

In no case shall the total refund exceed 70% of tuition. No refund will be made until the expiration of 15 days after the beginning of classes. A check covering all refunds due will be mailed to the address left with the Business Office. No refund will be granted unless applied for within one year after official withdrawal.

RESIDENCY DEFINED

The student is responsible for registering under the proper residence classification. If he has any question about his right to classification as a resident of Texas, he should consult the Registrar and have it officially determined. The regulations are set forth in Vernon's Civil Statutes (Article 2654c). Rules, regulations and interpretations have been issued by the Coordinating Board, Texas College and University System, for its effective and uniform administration.

Under the nonresident regulations defined by the Texas Legislature, the term "resident" means "domicile"; the term "resided in" means "domiciled in"; and the status of a student as a "resident" or "nonresident" student is determined as follows:

Individuals under 21 years of age --

1. An individual under twenty-one (21) years of age, living away from his family, and whose family resides in another state or has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student;

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

RESIDENCY DEFINED Cont'd

2. An individual twenty-one (21) years of age or under whose family has not resided in Texas for the 12-month period immediately preceding the date of registration shall be classified as a nonresident student regardless of whether he has become the legal ward of residents of Texas or has been adopted by residents of Texas while he is attending an educational institution in Texas, or within a 12-month period before his attendance, or under circumstances indicating that the guardianship or adoption was for the purpose of obtaining status as a resident student;

3. An individual twenty-one (21) years of age or under whose parents were formerly residents of Texas is entitled to pay the resident tuition fee for a 12-month period immediately following the parent's change of legal residence to another state.

Individuals over 21 years of age --

4. An individual twenty-one (21) years of age or over who has come from outside Texas and who is gainfully employed in Texas for a 12-month period immediately preceding registration in an educational institution shall be classified as a resident student as long as he continues to maintain a legal residence in Texas;

5. An individual twenty-one (21) years of age or over who resides out of the state or who has come from outside Texas and who registers in an educational institution before having resided in Texas for a 12-month period shall be classified as a nonresident student;

6. A nonresident student classification is presumed to be correct as long as the residence of the individual in the state is primarily for the purpose of attending an educational institution. After residing in Texas for at least twelve (12) months, a nonresident student may be reclassified as a resident student as provided in the rules and regulations adopted by the Coordinating Board, Texas College and University System. Any individual reclassified as a resident student is entitled to pay the tuition fee for a resident of Texas at any subsequent registration as long as he continues to maintain his legal residence in Texas.

Married Students --

7. A nonresident who marries and remains married to a resident of Texas, classified as such under this Act at the time of the marriage and at the time the nonresident registers, is entitled to pay the resident tuition fee regardless of the length of time he has lived in Texas, and any student who is a resident of Texas who marries a nonresident is entitled to pay the resident tuition fee as long as he does not adopt the legal residence of the spouse in another state.

RESIDENCY DEFINED Cont'd

Military Personnel and Veterans --

8. Military personnel are classified in the following manner:

a. An officer, enlisted man or woman, selectee or draftee of the Army, Army Reserve, Army National Guard, Air National Guard, Texas State Guard, Air Force, Air Force Reserve, Navy, Navy Reserve, Marine Corps, Marine Corps Reserve, Coast Guard, or Coast Guard Reserve of the United States, who is assigned to duty in Texas is entitled to register himself, his spouse and their children in a state institution of higher education by paying the tuition fee and other fees or charges required of Texas residents, without regard to length of time he has been assigned to duty or resided within the state; provided, however, that out-of-state Army Anational Guard or Air National Guard members attending training with Texas Army or Air National Guard units under National Guard Bureau regulations shall not be exempted from nonresident tuition by virtue of such training status nor shall out-of-state Army, Air Force, Navy, Marine Corps, or Coast Guard Reserves training with units in Texas under similar regulations be exempted from nonresident tuition by virtue of such training status. It is the intent of the legislature that only those members of the Army or Air National Guard, Texas State Guard, or any other reserve forces mentioned above be exempted from the nonresident tuition fee and other fees and charges only when they become members of Texas units of the military organizations mentioned above;

b. As long as they reside continuously in Texas, the spouse and children of a member of the Armed Forces of the United States who has been assigned to duty elsewhere immediately following assignment ot duty in Texas are entitled to pay the tuition fees and other fees or charges provided for Texas residents;

c. If nonresident military personnel are attending an institution of higher education under a contract between the institution and any branch of the Armed Forces of the United States, in which the tuition of the member of the military is paid in full by the United States Government, the students shall pay the nonresident tuition fee;

d. A Texas institution of higher education may charge to the United States Government the nonresident tuition fee for a veteran enrolled under the provisions of a Federal law or regulation authorizing educational or training benefits for veterans;

e. The spouse and children of a member of the Armed Forces of the United States who dies or is killed are entitled to pay the resident tuition fee, if the wife and children become residents of Texas within sixty (60) days of the date of death;

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

RESIDENCY DEFINED Cont'd

f. If a member of the Armed Forces of the United States is stationed outside Texas and his spouse and children establish residence in Texas by residing in Texas and by filing with the Texas institution of higher education at which they plan to register a letter of intent to establish residence in Texas, the institution of higher education shall permit the spouse and children to pay the tuition, fees, and other charges provided for Texas residents without regard to length of time that they have resided within the State.

Employees of Institutions of Higher Education --

9. A teacher, professor, or other employee of a Texas institution of higher education is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fee and other fees or charges required for Texas residents, without regard to the length of time he has resided in Texas. A teacher, professor, or other employee of a Texas institution of higher education is any person employed at least one-half time on a regular monthly salary basis by a state institution of higher education.

Student Employees --

10. A teaching assistant, research assistant, or other student employee of any institution covered by this section is entitled to register himself, his spouse, and their children in a state institution of higher education by paying the tuition fees and other fees or charges required of Texas residents, without regard to the length of time he has resided in Texas; provided that said student employee is employed at least one-half time in a position which relates to his degree program under the rules and regulations established by the employer institution. This exemption shall continue for students employed two consecutive semesters through the summer session following such employment if the institution is unable to provide employment and, as determined under standards established by the institution, if the employee has satisfactorily completed his employment.

Students with Competitive Scholarships --

11. A nonresident student holding a competitive scholarship of at least \$200 for the academic year or summer for which he is enrolled is entitled to pay the fees and charges required of Texas residents without regard to the length of time he has resided in Texas, provided that he must compete with other students, including Texas residents, for the scholarship and that the scholarship must be awarded by a scholarship committee officially recognized by the administration of the institution of higher education.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

RESIDENCY DEFINED Cont'd

Alien Students --

12. All aliens are classified as "nonresident students." However, an alien who is living in this country under a visa permitting permanent residence or who has filed with the proper Federal immigration authorities a declaration of intention to become a citizen has the same privilege of qualifying for resident status for fee purposes under this Act as has a citizen of the United States.

Exemption From Tuition and Fees

1. Texas Ex-Servicemen. Legal residents who were residents at the time of entry into the military service may be eligible for exemption from tuition and fees. These students must have been honorably discharged and not eligible for education benefits provided for veterans by the United States Government. Additional details may be obtained from the Registrar; applications are processed by the Office of the Registrar.

2. Children of Texas Veterans and of Certain Disabled Public Employees. Children of members of armed forces who died while in service and children of certain public employees who have suffered injury resulting in death or disability sustained in line of duty may be exempt from tuition and fees. For procedures to follow in making application, contact the Registrar.

3. Students from State Orphanages of Texas. Residents of Texas who are high school graduates of State orphanages are eligible for exemption from payment of tuition and fees. Funds are provided through scholarships. After admission to the Graduate Programs students should apply for a scholarship through the Financial Aids Officer.

Tuition of Handicapped Students

Handicapped students may have tuition, fees and other services paid through the Vocational Rehabilitation Division of his State Rehabilitation Commission, provided the vocational objectives selected by the student have been approved by a representative of his state or district office. Applications should be made through the district office in the student's home city or county, if possible, or through his State Office of Vocational Rehabilitation. Texas residents may send requests to the Texas Office, 1301 Thirty-eighth Street, Austin, Texas 78751.

FINANCIAL AID

There are several sources of funds available to students in need of financial assistance.

Loan Funds

Detailed information about and applications to three

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

FINANCIAL AID Cont'd

loan funds are available from the Student Aid Office of The University of Texas Health Science Center at Dallas.

The National Direct Student Loan Fund was created by enactment of Public Law 85-864, the National Defense Education Act of 1958. Graduate students may borrow an amount not to exceed \$2,500 per year for the purpose of completing their education. Recipients of loans must be full-time students in good standing and must substantiate their need for the loan. Repayment begins nine months after the borrower ceases to be a full-time student and must be completed within ten years thereafter. No interest on the loan accrues prior to the beginning of the repayment schedule, and interest thereafter is to be paid at the current rate.

The Hinson-Hazelwood Student Loan Program is provided by the State of Texas. It furnishes the opportunity for graduate students, who are residents of the state, to obtain loan funds not to exceed \$1,500 per year.

Through the Federally Insured Loan Fund, the federal government guarantees loans, not to exceed \$2,500 per calendar year, to needy students from a variety of private sources. If need is substantiated, no interest accrues prior to repayment.

Kellogg Loan Fund. The W.K. Kellogg Foundation made a grant to the school for the purpose of providing loans to any qualified student who can give evidence showing necessity for such loan.

Franklin Lindsay Loan Fund. Non-interest bearing loans to students for educational purposes are available from this fund in annual amounts up to \$1,500. Interest of 2% per annum begins after the student has received a degree or has dropped out of school. Applications may be submitted to the Vice-Chancellor (Fiscal Affairs), The University of Texas, Austin, Texas 78712, one of the trustees of this fund.

Medical Center Woman's Club Loan Fund. This fund is available for small short-term loans bearing no interest. Application for a recommendation should be made to the Office of Student Financial Aid. Upon this recommendation, the loan is made at the Office of the Administrator of Parkland Memorial Hospital.

Special Fellowships

The Minnie L. Maffett Fellowship. The Texas Federation of Business and Professional Women's Club sponsors the Minnie L. Maffett Fellowship to aid women in either graduate study or research. To be eligible for this award an applicant must be a woman graduate of a Texas medical college, or, in the event that the funds are available and there is no qualified applicant, the Committee may at their discretion consider a woman who has taken a Ph.D. degree from The University of Texas and who is doing research in a medical field. Application should be ad-

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

FINANCIAL AID Cont'd

dressed to: The Texas Federation of Business and Professional Women, 809 Burkburnett Building, Fort Worth, Texas.

A.L. Chilton Fellowships. The Graduate Program in Biochemistry awards a limited number of A.L. Chilton Fellowships for stipend support of graduate and medical students participating in summer research grants. Selection of candidates is competitive on application to the Chairman of the Graduate Program in Biochemistry.

A limited number of teaching assistantships are available from the Graduate School of Biomedical Sciences. The stipends--which are awarded and renewed annually on a merit basis--are: \$3,200 for first-year students, \$3,400 for second-year students, and \$3,600 for students in their third and successive years of study. A dependency allowance of \$500 per dependent, up to a limit of two dependents, is also provided. A spouse earning over \$600 per year does not qualify as a dependent.

Fellowships, Research Assistantships and Tuition Scholarships

Individual graduate programs may have access to other sources of support, such as fellowships and research assistantships. They are offered, usually to students in their second and succeeding years of graduate study, on a limited basis. The Graduate School also has available a small tuition scholarship fund.

Deadlines

Applications for teaching assistantships and fellowships must be received in the Graduate School office no later than April 1 preceding the fall semester for which the student desires support.

STUDENT HEALTH SERVICES

The Student Health Service, located on the first floor of the Hoblitzelle Clinical Sciences Center (Room C-102), operates to maintain and promote health among all students at The University of Texas Health Science Center, by providing the benefits specified below. It is currently in the process of expanding its facilities, so that it will become a more comprehensive health maintenance organization.

Benefits become available to students as soon as they have paid their fees to the Business Office, and terminate at midnight of the last day of the academic session, except for provision made in the insurance of patients in the hospital on that day. Benefits of the Student Health Service automatically terminate upon the student's withdrawal from school.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

STUDENT HEALTH SERVICES Cont'dBenefits

1. The Student Health Service offices are open from 8:00 a.m. to 4:00 p.m., Monday through Friday. Health Service physicians may be consulted Monday through Friday from 12 Noon to 1:00 p.m. When necessary, or desired by the student, consultation with other members of the Medical School staff can be arranged.
2. In the event of an emergency during office hours, report to the Student Health Service, where help will be provided. For emergencies occurring after hours or on weekends, report to the Emergency Room Triage Nurse at Parkland Hospital and identify yourself as a student.
3. Certain routine clinical laboratory and diagnostic pathological examinations will be provided through the Health Service. They must bear the stamp of approval of the Health Service, and failure to obtain such prior approval will make the student liable for all charges incurred.
4. In case of illness, diagnostic x-ray examinations will be furnished, when prescribed by a Health Service physician.
5. In most instances, necessary drugs will be furnished without cost to the student, when prescribed by a member of the Health Service staff.

Hospitalization Insurance Coverage

Hospitalization insurance must be carried by all students, either through the special students' group in the Blue Cross-Blue Shield Plan (see Tuition and Fees section), or through any company of the student's choice. At the time of registration, the student must either pay for this plan (one-third of the total cost to be paid three times a year, at registration) or provide proof of insurability in the form of the company name and policy number.

Membership in the school-sponsored plan provides semi-private room service in participating hospital (which include essentially all major hospitals in the area, as well as elsewhere in the country) upon approval of the Director of the Health Service. This hospitalization plan provides a semi-private room for up to 365 days per year; the additional cost of private-room care must be paid by the student individually, unless private-room care is ordered by the Health Service.

The policy covers all usual hospital benefits, a \$450 surgical schedule, 20% anesthesiology, intensive care and pre-existing conditions. Maternity coverage is not included, but may be obtained at extra cost. Also,

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

STUDENT HEALTH SERVICES Cont'd

the costs of routine physical examinations and diagnostic procedures are not covered for dependents (these services are available to the students themselves through the Health Service under most circumstances).

Students should seek further information regarding hospitalization insurance coverage from the Graduate Student Organization or from the Health Service.

While it is required that students have some form of hospitalization for at least the nine months of the regular school session, it is recommended that they have coverage for the full twelve months of the year, especially if they are on the school campus during the summer (see section on Tuition and Fees).

PARKING

Limited parking facilities are available on the campus. Their use requires a parking permit which is obtained from the Cashier. The fee for a 12-month period is: \$18 for faculty, \$12 for employees and \$10 for students. Student parking must be restricted to designated areas and violations of the parking regulations may result in loss of parking privileges on the campus.

GRADUATE STUDENT ORGANIZATION

The Graduate Student Organization is currently being organized by an executive committee consisting of elected representatives from each of the graduate studies programs. This committee will serve as a formal liaison between the graduate students and administration. It will also sponsor social functions and will be responsible for supplying information to new and prospective students about living in Dallas. For more information about the Graduate Student Organization, contact: Secretary, Graduate Student Executive Committee, Graduate School of Biomedical Sciences.

LIVING IN DALLASHousing

Many apartment complexes are available within walking and cycling distance of The University of Texas Health Science Center. Rates are fairly standard, starting at about \$150 for a two-bedroom unfurnished apartment (including utilities). Free apartment locating services are the most efficient means for obtaining a suitable apartment in the size and price range desired. Special features should be considered. Some offer day-care centers for the residents; others have pools, etc. (See the map for some apartment locations near school).

Persons with limited resources, no transportation, or those who need time to find other housing, may find it

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

LIVING IN DALLAS Cont'd

convenient to live at the Staff Residence Halls which are located immediately adjacent to Parkland Memorial Hospital. This is dormitory-style housing; rooms are double occupancy, baths are shared with the adjacent room. There are no private telephones in the rooms. Linens are furnished; laundry facilities are free. Kitchens are located on each floor. These quarters are in demand at \$75 a month, so application should be made early. Contact Miss Helen Vogel, Department of Community Relations, Parkland Memorial Hospital, 5201 Harry Hines Blvd., Dallas, Texas 75235, telephone (214) 631-1800 extension 350.

Transportation

Bicycles are practical transportation if you live within a couple of miles of the campus. They can be parked near the entrance to the lobby of the Health Science Center.

You will probably need a car if you live far (beyond Southern Methodist University, for example; see map). You must obtain a parking permit (see Parking above). If you are from out of state and plan to establish residence in Texas, or seek employment here, you must register your car. Applications for Texas title and license plates must be presented at the Dallas County Tax Assessor and Collector's Office at 500 Elm Street (telephone 749-8621), or at any of the eight Dallas sub-courthouses located in Farmers Branch, Garland, Grand Prairie, Irving, Lancaster, Mesquite, Oak Cliff and Richardson.

To obtain an automobile title, you must furnish: (1) out-of-state title or registration receipt. (2) certification of vehicle inspection to verify serial number, (3) use tax of \$15.00 for vehicles last registered in another state, or a 3% tax based on the purchase price if purchased in another state (New residents may receive credit for this tax if they present a sales or use tax affidavit from their state Department of Revenue as evidence that they have paid a state sales or use tax in another state.), (4) title fee of 75¢, (f) fee to cover license plates, and (6) safety inspection sticker.

If you are an out-of-state resident and wish to remain so, you need not meet Texas registration, licensing and title rules. You may keep your out-of-state driver's license and plates, updating them when necessary.

A Texas driver's license must be obtained if you wish to establish residence here. You must pass a test for vision, a written exam on road rules and a driving test. If your out-of-state license is still valid, you are excused from the driving test. A birth certificate must be presented when you make your original application for a Texas driver's license. You must have a safety inspection sticker before you are allowed to take the road test.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

LIVING IN DALLAS Cont'd

Driver's handbooks to help you prepare for the test are available from any driver's license office of the Texas Department of Public Safety. They will also inform you of the nearest location where driver's tests are administered.

Buses

You can obtain schedules and maps with rate information by writing or calling the Dallas Transit System, 101 N. Peak Street, Telephone 826-2222. Routes and schedules may vary considerably with the different areas of the city, making travel from some sections to others time-consuming.

Schools

There are fifteen independent public school districts and 355 public school campuses within Dallas County. Each independent school district has its own regulations regarding enrollment, health, opening dates, etc. These schools now have available an optional kindergarten program for five year olds, as well as the usual first through twelfth grade program. Contact the Dallas Independent School District office, 3700 Ross Avenue, Dallas, Texas 75204 (telephone 824-1620). They will supply information about the school districts on request.

Information concerning parochial schools is available from the Superintendent of Catholic Schools, 3915 Lemmon Ave., Dallas, Texas 75219, telephone 529-2360, or the Episcopal Diocese of Dallas, 1630 N. Garrett, Dallas, Texas 75201, telephone 826-8310. Other denominations also have church-supported schools.

A list of licensed day nurseries is available from the State Department of Public Welfare, Child Welfare Licensing Division, 4th Floor, Old Courthouse, Dallas, Texas 75202, telephone 741-7811. This list includes privately operated day nurseries and kindergartens, as well as those operated by Non-Profit Day Care Centers in Dallas County.

Dallas Chamber of Commerce

The Chamber of Commerce will provide current, useful information about living in Dallas upon request. Write the Dallas Chamber of Commerce, 1507 Pacific Avenue, Dallas, Texas 75201.

GRADUATE PROGRAMSBIOCHEMISTRY

Chairman, Committee on Graduate Studies
Julian A. Peterson, Ph.D.

Chairman, Department of Biochemistry
Ronald W. Estabrook, Ph.D.

Degrees Offered
Doctor of Philosophy
Master of Arts

Faculty

Walter B. Dempsey, Professor
Ph.D., University of Michigan, 1960
Research Interests: Genetics and biochemistry of bacterial plasmid transfer; control of macromolecular synthesis; control of pyridoxal phosphate concentration in cells.

Ronald W. Estabrook, Virginia Lazenby O'Hara Professor
Ph.D., University of Rochester, 1954
Research Interests: Role of hemoproteins in the oxidative metabolism of drugs and steroids.

John M. Johnston, Professor
Ph.D., University of Colorado School of Medicine, 1953
Research Interests: Physical state of lipids; fat absorption; lipid metabolism in adults and fetuses in utero; lung phospholipids; phospholipases and prostaglandins.

Joseph LoSpalluto, Professor
Ph.D., New York University, 1953
Research Interests: Antibody formation and its control; isolation and purification of cholera toxins; action of lysosomal proteases on immunoglobulins.

Morton D. Prager, Professor
Ph.D., Purdue University, 1951
Research Interests: Enzymes as anti-tumor and immunosuppressive agents; cancer immunology; trauma.

Paul A. Srere, Professor
Ph.D., University of California, Berkeley, 1951
Research Interests: Enzymology; metabolic regulations; cell adhesion.

Herbert C. Tidwell, Professor Emeritus
Ph.D., Johns Hopkins University, 1930
Research Interests: Transport and metabolism of lipids.

Donald S. Wiggans, Professor
Ph.D., University of Illinois, 1952
Research Interests: Amino acid and protein metabolism; innovations in biochemical education for medical students; autotutorial self-instruction in biochemistry.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Ronald A. Butow, Associate Professor

Ph.D., Cornell University, 1963

Research Interests: Membrane biogenesis.

Gene L. Cottam, Associate Professor

Ph.D., University of Michigan, 1967

Research Interests: Mechanism of Phosphoryl transfer and allosterism in pyruvate kinase and phosphofructokinase; use of magnetic resonance and fluorescence with rare earths to examine function of cations in enzymatic catalysis.

Rene Frenkel, Associate Professor

Ph.D., Cornell University, 1964

Research Interests: Metabolic control, properties of regulatory enzymes, regulation of tissue enzyme levels; interaction between carbohydrate and fatty acid metabolism.

Louis B. Hersh, Associate Professor

Ph.D., Brandeis University, 1966

Research Interests: Mechanism of enzyme action; one carbon metabolism (bacterial); mechanism of flavoprotein catalysis.

Bettie S. Masters, Associate Professor

Ph.D., Duke University, 1963

Research Interests: Mechanism of enzyme action; mechanism of flavoprotein catalysis using rapid reaction techniques; microsomal electron transport.

John D. McGarry, Associate Professor

Ph.D., University of Manchester, 1966

Research Interests: Regulation of hepatic carbohydrate and lipid metabolism with special emphasis on the control of ketone body production in starvation ketosis and uncontrolled diabetic ketoacidosis.

Julian A. Peterson, Associate Professor

Ph.D., University of Michigan, 1967

Research Interests: Metabolic control of biological oxidation reactions; electron transfer reactions related to mono-oxygenase systems; mechanism of cytochrome P-450 catalyzed reactions.

Kosaku Uyeda, Associate Professor

Ph.D., University of California, Berkeley, 1962

Research Interests: Regulation of carbohydrate metabolism.

Edward Bellion, Assistant Professor

Ph.D., University of Leeds, 1968

Research Interests: Control of bacterial metabolism: thiamine biosynthesis and one carbon metabolism.

Arthur P. Bollon, Jr., Assistant Professor

Ph.D., Rutgers University, 1970

Research Interests: Control of gene expression; regulation of enzyme synthesis.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Joseph L. Goldstein, Assistant Professor
M.D., University of Texas, Southwestern Medical School, 1966
Research Interests: Genetics and biochemical control mechanisms for cholesterol and lipoprotein metabolism in cultured fibroblasts from normal subjects and from subjects with inherited forms of hyperlipidemia.

Charles E. Mize, Assistant Professor
Ph.D., M.D., Johns Hopkins University, 1961, 1962
Research Interests: Biochemistry of membranes in growth and development in unicellular and mammalian systems; chemistry of lipidoses, metabolic and hepatic disease.

Russell A. Prough, Assistant Professor
Ph.D., Oregon State University, 1969
Research Interests: Pyridine nucleotide-dependent dehydrogenases and flavoproteins; microsomal electron transport; amine, azo and hydrazine metabolism.

Gerald R. Faloon, Assistant Professor
Ph.D., University of Florida, 1966
Research Interests: Glucagon physiology and pathophysiology and the radioimmunoassay measurement of glucagon and glucagon-like peptides in plasma.

Tracy C. Linn, Assistant Professor
Ph.D., University of Minnesota, 1965
Research Interests: Regulation of alpha-ketoglutarate oxidation.

Elmer G. Richards, Assistant Professor
Ph.D., University of California, Berkeley, 1960
Research Interests: Physical and biochemical properties of structural proteins involved in muscle contraction; reassembly of these proteins to form contractile substructures; development of analytical ultracentrifugation.

Michael R. Waterman, Assistant Professor
Ph.D., University of Oregon Medical School, 1969
Research Interests: Structure and function relationship in hemoglobins; chemistry of hemo-proteins.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'dObjectives

The Department of Biochemistry offers broad opportunities for study which will prepare students for careers as independent investigators and teachers of biochemistry and associated disciplines. The programs of study and research are individually tailored to each student's interests and are designed to familiarize students with theoretical and practical problems in a wide variety of biochemically related areas, such as molecular genetics, cell biology, immunology and biophysics. Through the proximity of the clinical departments and the extensive collaboration on research programs with the faculty of the Departments of Internal Medicine, Obstetrics and Gynecology, Surgery, Anesthesiology, Pathology and Pediatrics, students have the unique opportunity to become actively involved in research on fundamental chemical and biochemical aspects of cancer, diabetes, hormone effects, nutrition, hemoglobinopathies, neurochemistry, intestinal absorption, inborn errors of metabolism, and drug metabolism, as well as classical biochemistry.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

The graduate curriculum consists of an integrated program of classwork, seminars and research training which is obtained by working with individual faculty members in their laboratories. The goal of the graduate program is the degree of Doctor of Philosophy in Biochemistry, which prepares one to participate actively in basic and applied biomedical research on the fundamental processes of life. It is well documented that for most medical disorders there is a basic biochemical lesion. In order to approach either treatment or prevention of these medical disorders, it is important to understand the underlying biochemical problem at the molecular level. There are many opportunities available for application of basic research efforts toward understanding the biochemical disorders in human disease and the effects of the environment on the quality of life.

Facilities

The Department of Biochemistry has available for student use the equipment and facilities required for modern research in biochemistry. In addition to the normal laboratory facilities, the Department has a coupled gas chromatograph-mass spectrometer for identification and characterization of various compounds. There is also in the Department a spectrophotometry facility which includes recording spectrophotometers and stopped-flow spectrophotometers for rapid kinetic measurements. These spectrophotometers are controlled by a PDP 11 mini-computer. A laboratory for advanced metabolite research is equipped for the perfusion of tissues and the isolation and identification of various metabolic intermediates. A biophysical laboratory is equipped with an electron paramagnetic resonance spectrometer and a pulsed nuclear magnetic resonance spectrometer. Also in this laboratory is an analytical ultracentrifuge for characterizing the molecular size and dimensions of macromolecules. The Department has facilities for the large scale controlled conditions.

Requirements for Admission

When applying for admission to the graduate program in Biochemistry, the following materials are required: (1) a report of scores on the Graduate Record Examination, (2) two letters of recommendation, with at least one from a chemistry professor, (3) complete transcript of all academic work, (4) a completed application for admission to the Graduate School. General guide lines used to judge an application for admission are: an overall B average, with special emphasis placed on the student's performance in chemistry, physics, mathematics and biology courses.

Curriculum

The normal sequence of course work upon admission to the graduate program in Biochemistry is as follows:

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

The first semester, students take a general Biochemistry course (680 Fundamentals of Biochemistry) which includes special conferences directed by one of the Biochemistry Department faculty members. Depending on the individual's background in chemistry, the student may be required to take additional course work in advanced organic chemistry and/or physical chemistry.

In the second semester of the first year, students normally take one or two advanced Biochemistry courses. During the first year, each student will enroll in Biochemical Research Techniques, a course designed such that each student has an opportunity to conduct innovative research under the guidance of a single faculty member.

Following completion of the qualifying examination (discussed below) the student may take other graduate level Biochemistry courses as well as courses offered by other departments which will supplement and enrich his training in a specialized research area. Each graduate student in Biochemistry is expected to enroll in the seminar program which involves readings on current research topics directed by a faculty member.

Upon entering graduate school, students begin a series of monthly examinations to determine their understanding of basic biochemistry, as well as more advanced reading on current biochemical topics. Upon successful completion of this examination series, the student is asked to prepare two research propositions in writing and to orally defend them before a committee of five faculty members. Once these examinations are successfully completed, a student is then admitted to candidacy for the Ph.D. degree.

Courses Offered

680 Fundamentals of Biochemistry

This course is designed to introduce students to the fundamental aspects of modern biochemistry. The course covers topics such as the nature and properties of enzymes; intermediary metabolism of carbohydrates, lipids, amino acids, purines and pyrimidines; biological oxidations, bioenergetics, and hormones. The nature and expression of genetic information and the mechanism of protein synthesis are also discussed in detail. The lectures are integrated with small group conferences and a special seminar program designed for those students interested in achieving a greater knowledge about some particular aspect of biochemistry such as clinical chemistry, genetics, hormones, transport, immunochemistry, nutrition, etc.

381 Enzymology

Lectures and discussion of isolation, characterization and assay methods are included as well as kinetic and

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

and chemical studies on mechanism of enzyme action. Consideration is also given to the biosynthesis and control mechanisms of enzymes.
Prerequisite: 680 or equivalent.

382 Special Topics in Biochemistry

Advanced studies in one or more of the following topics: biochemistry of macromolecules; immunochemistry; bioenergetics; metabolic interrelationships and nutrition.
Prerequisite: 680 or equivalent.

351,352 Recent Advances in Nutrition

Advanced study of nutrition and metabolic interrelationships with lecture and discussion of the biochemistry of major nutrients in the regulation of metabolism in normal and pathological states.
Prerequisite: one semester or quarter of college organic chemistry, subject to approval of teaching faculty.
Recommended: One semester or quarter of basic biochemistry.

153 Nutrition Seminar

Discussion of selected topics in nutrition and biochemistry including review of current literature and research findings.
Prerequisite: one semester or quarter of college organic chemistry, subject to approval of teaching faculty.
Recommended: one semester or quarter of basic biochemistry.

183 Biochemistry Seminar

In-depth discussion of selected special topics. Assignments are made with the intent of increasing knowledge of the literature and training in the preparation, evaluation and presentation of information.

384,684 Biochemical Research

Open to advanced students who are qualified to pursue independent or supervised investigations. Required for graduate degree.

385 Biochemical Techniques.

Advanced instruction and theory of such research techniques as ion exchange and exclusion chromatography, U.V., Visible and I.R. spectrophotometry, optical rotatory dispersion and circular analytical ultracentrifugation, high resolution nuclear magnetic resonance, proton relaxation time studies using spin echo techniques, electron paramagnetic resonance and isotopic techniques.

386 Biochemical Genetics

The chemistry of the expression, duplication, recombination and repair of genes, as well as the chemistry of cell division.
Prerequisite: 680 or equivalent.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

387A and B Physical Chemistry

Introduction and fundamental concepts of physical chemistry.

Prerequisite: departmental approval.

388A and B Advanced Organic Chemistry

Mechanisms of organic reaction.

Prerequisite: departmental approval.

389 Advanced Physical Chemistry

Thermodynamics.

Prerequisite: departmental approval.

390 Intermediary Metabolism and Its Regulation

Biochemical pathways of carbohydrate, lipid and amino acid metabolism will be discussed from the viewpoint of interrelationships between subcellular organelles, such as mitochondria and endoplasmic reticulum, and the biochemical processes carried out by these organelles. Basic concepts of oxidative energy production and utilization by living cells. Control and regulation of metabolic processes, including such examples as hormonal effects on specific enzymes and feedback control by products of metabolic pathways.

Prerequisite: 680 or equivalent.

391 Physical Biochemistry

Physical chemical principles applied to biochemical systems. Includes thermodynamics, transport processes, protein structure and denaturation, spectroscopy, ultracentrifugation.

Prerequisite: 680 or equivalent.

394 Biological Oxidations

This course will integrate models for non-enzymic oxidation reactions with biological electron transport, energy conservation and intermediary metabolism, with particular emphasis on mammalian mitochondrial and microsomal systems.

Prerequisite: 680 or equivalent.

293 The Nature of Enzyme Catalysis

Mechanisms of non-enzymatic catalysis in aqueous solution, in terms of model systems for enzymatic mechanisms.

Prerequisite: 680 and 388, or equivalents.

698 Thesis

Prerequisite: twelve hours of advanced biochemistry and twelve hours of approved minor subjects.

699 Dissertation

Prerequisite: departmental approval.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

BIOPHYSICS

Chairman, Graduate Studies Committee
Robert M. Dowben, M.D.

Degrees Offered
Doctor of Philosophy
Master of Arts

Faculty

Robert M. Dowben, Professor
M.D., University of Chicago
Research Interests: Physical properties of contractile proteins; mechanism of muscle contraction; mechanism of active transport; biosynthesis of membrane proteins and membranogenesis.

C. Larry Cottam, Associate Professor
Ph.D., University of Michigan, 1967
Research Interests: Mechanism of enzyme action, NMR and probe techniques for studying macromolecules.

Robert Damrauer, Visiting Associate Professor
Ph.D., Massachusetts Institute of Technology, 1965
Research Interests: Metallo-organic compounds; spectroscopic methods; composition and conformation of membrane components.

John P. Reeves, Assistant Professor
Ph.D., Massachusetts Institute of Technology, 1969
Research Interests: Model membrane systems, transport.

E. Glen Richards, Assistant Professor
Ph.D., University of California (Berkeley), 1960
Research Interests: Contractile proteins, hydrodynamic properties of macromolecules.

David A. Monner, Instructor
Ph.D., Oregon State College, 1968
Research Interests: Membrane biogenesis.

Peter L. Schaar, Faculty Associate
M.S., California State College at Los Angeles, 1964
Research Interests: Theoretical biophysics

Objectives

The interdepartmental Biophysics Graduate Program was established to train scholars for independent research, teaching and service. Biophysics is a rapidly developing field of biology which is becoming increasingly important as a science basic to medicine. Macromolecular structure, macromolecular function, use of physical techniques in biology, contraction, membranes and transport are the areas emphasized in this program. It is recognized that there are established programs in allied areas; it is not the intention of this program to compete with the allied programs, but rather to establish viable interfaces and to complement them.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'dFacilities

Well-equipped, modern laboratories are available to pursue projects in the areas of interest to the faculty. Physical techniques, including ultracentrifugation, optical techniques, electron paramagnetic resonance and fluorescent probe facilities are available and expanded facilities for physical measurements are planned. A central computer facility is available with remote terminals as required, and there are central electronics shops, machine shops, and animal facilities.

Requirements for Admission

Graduate study in Biophysics requires a strong background in mathematics, chemistry and physics, as well as in cell biology, physiology, and biochemistry. To the extent possible, preparation in these fields as an undergraduate is strongly recommended and preferred. The results of the Graduate Record Examination and at least two satisfactory letters of recommendation from former instructors in science subjects or former research supervisors are required.

Curriculum

The program in Biophysics is essentially tutorial and designed to fit the individual student's requirements.

Before beginning a thesis, each student must pass a written comprehensive examination in biophysics, and an oral preliminary examination to demonstrate preparedness to undertake research. A language requirement must be fulfilled; demonstration of proficiency in Fortran may be substituted for a modern language. The student then undertakes his thesis research under the direction of a faculty member.

Four or five years of study normally leads to a Ph.D. degree. Joint M.D. - Ph.D. and M.D. - M.A. programs can be arranged. A program leading to an M.A. degree is offered in special circumstances.

Courses Offered

389 Special Topics in Biophysics

A seminar course devoted to exploring in depth selected topics on theoretical principles and practical application of mechanical, optical, acoustical, and other physical approaches to problems in biology and medicine. Visiting lecturers will participate.

391 Biophysical Chemistry

Prerequisites: Physical chemistry and Biochemistry 680. Application of physical chemical principles to biochemical systems, including thermodynamics, macromolecular

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

chemistry and the use of analytical techniques including ultracentrifugation, spectroscopy of various kinds, studies using probes, and kinetic and relaxation studies. Problem sets will be solved using the computer. This course is the same as Biochemistry 391.

392 Advanced Biophysical Chemistry

Prerequisite: Biophysics 391. This course is a continuation of Biophysics 391.

401 Cellular Biophysics - 1

Prerequisite: Biophysics 391. Membrane composition, membrane structure, diffusion and transport, coupled transport, active transport, model membrane systems, complex membranes, transport through complex membranes.

402 Cellular Biophysics 2

Prerequisite: Biophysics 391. Contractility, primitive motile systems, sense organs, photosynthesis, luminescence, energetics, regulation. Thermodynamics and irreversible thermodynamics, particularly as applied to biological systems.

406 Spectroscopic Techniques

Use of nuclear magnetic resonance (proton and ^{13}C , including use of pulse techniques and Fourier transforms), high resolution optical spectroscopy, optical rotatory dispersion, circular dichroism, and fluorescence for structure analysis.

184, 684 Research in Biophysics

698 Thesis

699 Dissertation

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

CELL BIOLOGY

Chairman, Committee on Graduate Studies
Charles R. Hackenbrock, Ph.D.

Chairman, Department of Cell Biology
Rupert E. Billingham, D.Sc.

Degree Offered
Doctor of Philosophy

Faculty

Rupert E. Billingham, Professor
D.Sc., Oxford University, England, 1957.

Research Interests: The biology of skin and its pigmentation; biology and immunology of tissue transplantation, study of naturally occurring immunological privileged sites for tissue allografts; and immunobiological aspects of mammalian reproduction.

Charles R. Hackenbrock, Professor
Ph.D., Columbia University College of Physicians and Surgeons, 1965

Research Interests: Structural analysis of cells; electron microscopy; ultrastructure, molecular organization and physiology of cell membranes and organelles; mitochondria and oxidative phosphorylation; immunochemical characterization and topographical distribution of membrane macromolecules.

J. Wayne Streilein, Professor
M.D., University of Pennsylvania School of Medicine, 1960

Research Interests: Mechanisms of allograft rejection; pathogenesis of graft-versus-host disease; immunogenetics of tissue transplantation; genetics of major histocompatibility locus and relation to cell-mediated immunity; bone marrow transplantation.

Hal T. Weathersby, Professor
Ph.D., Tulane University School of Medicine, 1952

Research Interests: electromyographic studies of the function of selected muscles of the upper extremity in man; and variations and anomalies of the cardiovascular system of man.

Richard G. W. Anderson, Assistant Professor
Ph.D., University of Oregon Medical School, 1970

Research Interests: Developmental biology; electron microscopy; cell organelle differentiation; hormone regulation of ciliogenesis in organ culture; formation of basal bodies and cilia in the primate oviduct; biochemical approaches to problems of cytodifferentiation.

Peter M. Andrews, Assistant Professor
Ph.D., Tulane University, 1971

Research Interests: Scanning electron microscopy of soft biological tissues; neurosecretion.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Robert D. Ashworth, Assistant Professor
Ph.D., The University of Texas Southwestern Medical
School, 1968

Research Interests: Electrophysiological investigation of the segmental spinal cord circuitry contributing to motor unit firing patterns.

Alan E. Beer, Assistant Professor
M.D., Indiana University School of Medicine, 1962

Research Interests: Immunobiology of mammalian gestation: elicitation and expression of immunity in the uterus; immunologic aspects of implantation and placentation; transplacentally induced chimerism and its consequences, i.e., maternally induced sensitization, tolerance and runt disease in infants.

Robert S. Decker, Assistant Professor
Ph.D., University of Iowa, 1970

Research Interests: Developmental biology, experimental embryology; electron microscopy; ultrastructural, cytochemical, and biochemical aspects of lysosomal activity; morphogenesis of cell gap junctions in differentiating neural epithelium; role of hormones on the regulation of differentiation.

Grover C. Ericson, Assistant Professor
Ph.D., Loyola University of Chicago, Stritch School of
Medicine, 1972

Research Interests: Pituitary-adrenal interrelationships during embryonic development - histochemical and cytological differentiation of the adrenal cortex and their relationships to altered levels of steroid hormone secretion.

William J. Gonyea, Assistant Professor
Ph.D., University of Chicago School of Medicine, 1972

Research Interests: Investigations of the neuromuscular system involving the use of computer analysis, behavioral training, surgical alterations, and EMG recordings, morphological adaptations of mammalian carnivores to their environment. The evolution of mammalian carnivores.

Frederick Grinnell, Assistant Professor
Ph.D., Tufts University School of Medicine, 1970

Research Interests: Function and structure of the mammalian cell plasma membrane/surface and its alteration resulting from malignant transformation; biochemistry of the sulfhydryl group.

Vernon K. Miyamoto, Assistant Professor
Ph.D., Johns Hopkins University School of Medicine, 1966

Research Interests: The localization of certain enzymes in the mitochondrial inner membranes; and the interaction of membrane-derived proteins with phospholipid bilayer membranes.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Edward J. Moticka, Assistant Professor

Ph.D., University of Illinois at the Medical Center, 1970

Research Interests: Studies of nonspecific immunoglobulin secretion following immunization with specific antigen. Correlation of this phenomenon with initiation of autoimmunity, neoplastic transformation and aging. Also interested in the rejection of normal and malignant xenografts.

William B. Neaves, Assistant Professor

Ph.D., Harvard University Medical School, 1969

Research Interests: Ultrastructural correlates of reproductive processes. Specific studies currently in progress: biological aspects of vasectomy, fine structural analysis of androgenic tumor cells, cytology of steroid synthesis.

Howard R. Toben, Assistant Professor

Ph.D., Ohio State School of Medicine, 1971

Research Interests: The ontogeny of immune response in chickens and its alteration by selective experimental manipulation. Development of heterologous antisera specific for human B and T lymphocytes.

Objectives

The Department of Cell Biology offers graduate and post graduate research opportunities leading to the degree of Doctor of Philosophy. The Department's graduate program in Cell Biology is designed especially to prepare outstanding students for research-teaching careers in the biomedical sciences.

The majority of today's cell biologists and anatomists carry out teaching and research as members of the faculty of medical schools, university graduate departments, and colleges. Many research opportunities also exist in private institutes, government and industrial laboratories.

A distinguishing characteristic of the Department is its multidisciplinary research approach. General areas of current departmental interest include: Membrane Biology, Cell Structure, Electron Microscopy, Bioenergetics, Histochemistry, Cellular Immunology, Mammalian Genetics, Reproductive Biology, Transplantation Biology, Developmental Biology, Neuroanatomy and Physiology, Comparative Endocrinology, Evolutionary Anatomy, Human and Comparative Gross Anatomy.

The Ph.D. program usually requires four years beyond graduation from college, but may vary from three to five years, depending on the student's background and rate of progress. Two years of residence is a minimum. An independent curriculum, guided by the student's research and teaching career objectives, is designed by the Department for each student admitted. In general, the student is expected to complete satisfactorily several first and second year major medical school courses and, in addition, selected graduate oriented courses offered by the basic science departments of the Medical School.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Consistent with the student's teaching career objectives, the program requires the student to assist in the teaching of the laboratory sessions of at least one major medical school course offered by the Department.

Two doctoral examinations are required. A general qualifying examination, written, oral, or both, is taken by the student after satisfying the major course work and teaching requirements, usually after two years of residency. A final oral defense examination is given before the Ph.D. degree is awarded, which deals primarily with the student's dissertation and closely related subjects.

Financial support is available on a competitive basis. Students should apply for graduate admission approximately six months prior to the desired time of admission.

Facilities

The Department of Cell Biology is housed on the first and second floors of the recently constructed "Basic Science Research Building" which is centrally located on the campus of the University of Texas Health Science Center. The Department is well equipped for research in the various aspects of modern biomedical sciences; its ample complex of individual research laboratories are supplemented by its own Electron Microscope Facility containing six transmission and scanning electron microscopes; a large isolated animal care facility; a Cesium-137 radiation source; rooms devoted to modern photographic equipment used in specialized photography and photomicrography. The Department also maintains its own library and its own machine shop.

Complete facilities are available for freeze-cleave electron microscopy; scanning electron microscopy; electron diffraction; energy dispersive X-ray analysis; cell fractionation; ultracentrifugation; tissue culture; immunochemistry; animal surgery; beta and gamma isotope counting, histochemistry and autoradiography; and faradic screened rooms for neurophysiologic research. Light microscopic capabilities include phase, as well as fluorescence microscopy.

Admission Requirements:

Applicants are expected to have had at least a thorough college level training in Biology, Chemistry, and Physics. With approval of the Department, deficiencies in these areas may be removed by appropriate undergraduate course work in the first year of residence.

In addition to the "General Requirements for Admission" the following should be sent to the Chairman of the Graduate Studies Committee, Department of Cell Biology:

A. Two letters of recommendation.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

- B. A list of courses in which the student is current enrolled or plans to complete prior to graduation from his or her current program.
- C. A statement indicating the basis of interest in graduate study and career objectives.
- D. An indication of the proposed special area of concentration within the Department's graduate program.
- E. A summary of any previous teaching or research experience.

In some cases the Department will require personal interviews.

Curriculum

FIRST YEAR: Typical courses in the first year of study include:

Cell Biology 580
 Neurosciences 582
 Immunology 189
 Gross Anatomy 681
 Human Genetics 188
 Cell Biology Seminar 183, 184
 Reproductive Biology
 Biochemistry 680
 Physiology 880

SECOND YEAR: The student teaches the laboratory sessions in Courses 580, 582 or 681. Typical courses in the second year of study include:

Microbiology 680
 Pathology
 Pharmacology 680
 Cell Biology Seminar 183, 184

THIRD YEAR:

Research, Cell Biology 184, 284, 384
 Thesis, Cell Biology 698
 Dissertation, Cell Biology 699

FOURTH YEAR:

Research, Cell Biology 184, 284, 384
 Thesis, Cell Biology 698
 Dissertation, Cell Biology 699

Courses Offered

681 Gross Anatomy

Students working in groups of six on a rotating schedule, dissect the major structures of the human body. Prosections

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

and demonstration specimens are provided for amplification and clarification of each day's dissection. Films which illustrate the anatomy of selected regions of the body are available for repetitive viewing by students. Lectures by staff and members of the clinical faculty stress the more important aspects of anatomy, especially as they are related to the practice of medicine.

The laboratory work is further supplemented by weekly sessions, directed by staff members from the Department of Radiology, in which radiological techniques are used to illustrate parts of the bony skeleton as well as the thoracic and abdominal viscera.

580 Biology of Cells and Tissues

A lecture and laboratory course designed as an introduction to the study of cells, organized tissues, and organ systems at levels of the light, phase, and electron microscopes. Emphasis is on structure-function interrelationships between specific cell types in organized tissue systems. The first half of the course covers the functional morphology of cells and their organelles, chemical composition of cellular components and products, cell surfaces and movement, embryonic origin of specific cell types, and a histological and ultrastructural survey of the simple tissues. The second half of the course is devoted to the systematic survey of the histology and functional ultrastructure of the organ systems of the body. Approximately fifty hours of lecture and eighty hours of laboratory are devoted to studies in ultrastructure, cytology, and histology, as well as observations on living cells.

582 Neurobiology

This is given jointly by the Departments of Cell Biology and Physiology. Basic neuroanatomy and neurophysiology are developed in a progressive fashion starting with structure-function of nerve cells. The presentation of reflexes and motor control, of sensory systems and sensory integration illustrate basic principles of nervous system organization. Higher functions, including behavior and sleep, plus topics of direct clinical and basic research interest such as EEG and epilepsy, are discussed in relation to this material. The structural features of the nervous system are emphasized by laboratory dissection, projected materials and slides. Demonstrations illustrate neurophysiological techniques and principles. The course material includes presentation of patients with characteristic disorders of the nervous system. Also participating are the Departments of Neurology, Neurosurgery, and Pathology.

189 Immunology

An interdepartmental course given over a 10-day interval at the completion of the first semester.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

The immune response is treated as a homeostatic protective mechanism. Cellular and humoral immunities are considered with regard to the ontogeny of their precursor cells, and the interactions and transformations that underlie the production of effectors, and the nature of the latter, following exposure to antigenic material. Specific topics covered include the nature of antigens and antibodies and their interaction, complement, immediate and delayed hypersensitivity, isoantigens and autoantigens, tumor immunology, transplantation immunology, immunosuppression by antigen, antibody and drugs. The lectures are integrated with case presentations and laboratory sessions.

188 Human Genetics

An interdepartmental course given over a 10 day interval midway through the first semester. The first portion of the course deals with basic issues in genetics - classical principles, cytogenetics, and molecular genetics. In the second portion, these areas are evaluated with regard to their impact on clinical medicine: the chromosomally induced congenital syndromes, inborn errors of metabolism, hemoglobinopathies, etc. The remainder of the time is spent on problems in population genetics, genetic counselling and factors influencing mutation rates in man. Laboratory sessions are included where appropriate.

183 Cell Biology Seminar

Seminars are held on topics which include: Membrane Biology, Cell Structure, Electron Microscopy, Bioenergetics, Histochemistry, Cellular Immunology, Mammalian Genetics, Reproductive Biology, Transplantation Biology, Developmental Biology, Neuroanatomy and Physiology, Comparative Endocrinology, Evolutionary Anatomy, Human and Comparative Gross Anatomy.

184, 284, 384 Research in Cell Biology and Anatomy

Open to advanced graduate students in the research laboratories of the Department. Students carry out research projects under supervision of the faculty.

698 Thesis

Open to advanced graduate students. Students organize and carry out a major research project toward satisfying partial requirements for the Ph.D. Degree.

699 Dissertation

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

CLINICAL PSYCHOLOGY

Chairman, Committee on Graduate Studies
Maurice Korman, Ph.D.

Chairman, Department of Psychiatry
A. W. DeLoach, M.D.

Degree Offered
Doctor of Philosophy

Faculty

Maurice Korman, Professor
Ph.D., University of Minnesota, 1957
Research Interests: Family conflict resolution in two and three person groups; process of professionalization and prediction of success; defensive/coping styles and ego development in various settings.

Alvin J. North, Professor
Ph.D., Yale University, 1948
Research Interests: Variables affecting reliability and validity of psychological measurements and human judgements; stimulus, reinforcement, and neurological factors in cognitive processes.

Harry J. Parker, Professor
Ph.D., Northwestern University, 1956
Research Interests: Occupational psychology, including study of occupational stereotypes and task perception in allied health professions; task-attitude measurements, and performance criteria in allied health professions.

Martin R. Gluck, Associate Professor
Ph.D., University of Pittsburgh, 1953
Research Interests: Effects of parental attitudes on the growth and development of children with heart disease; investigation of fantasy and reality factors in children's perception.

Donald A. Pool, Associate Professor
Ph.D., University of Texas at Austin, 1963
Research Interests: Assessment of rehabilitation potential of various disability groups and development of selection procedures to identify clients requiring special programs.

George F. Cromes, Jr., Assistant Professor
Ph.D., Texas Tech University, 1971
Research Interests: Interpersonal and personal factors in responses to burn treatment, spinal cord injuries, and other disabilities; effect of medically related education on attitudes toward disabilities.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

- Robert N. Dain, Assistant Professor
Ph.D., University of Texas at Austin, 1969
Research Interests: Behavior modification, with special emphasis on the effectiveness of token economies and of consultation to school and institutional personnel; application of learning theories to individual counseling.
- Ray W. Gilbert, Assistant Professor
Ph.D., University of Houston, 1967
Research Interests: Specific learning disabilities; verbal learning and cognitive processes.
- H. John Hedl, Jr., Assistant Professor
Ph.D., Florida State University, 1971
Research Interests: Effects of anxiety in burn treatment process; study of trait-state anxiety in primary school children; trait-state anxiety as function of computer assisted instruction.
- Raleigh J. Huizinga, Assistant Professor
Ph.D., University of Arizona, 1971
Research Interests: Measurement and treatment of learning disabilities; study of intersensory and intrasensory facilitation and inhibition of learning.
- James M. Lipton, Assistant Professor
Ph.D., University of Colorado, 1964
Research Interests: Brain-behavior relationships with specific emphasis on thermoregulation; long term recording of behavioral thermoregulatory responses and study of thermal comfort.
- Daniel L. Logan, Assistant Professor
Ph.D., University of Arizona, 1966
Research Interests: Operant conditioning of human behavior; investigation of biofeedback variables in behavior modification; treatment of sexual deviation.
- Robert Lovitt, Assistant Professor
Ph.D., Louisiana State University, 1968
Research Interests: Projective techniques as applied to diagnostic and management issues; rehabilitation psychology; brief psychotherapy and crisis intervention.
- Paul S. McCollum, Assistant Professor
Ph.D., Texas Tech University, 1971
Research Interests: Evaluation of rigidity, withdrawal, and anxiety in burn patients; group counseling in relation to learning disabilities; characteristics of welfare recipients.
- Amy Talbot, Assistant Professor
Ph.D., University of Houston, 1968
Research Interests: Early detection of learning disabilities; study of the maternal deprivation/failure to thrive syndrome.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Frank D. Ohler, Instructor

Ph.D., University of South Carolina, 1971

Research Interests: Application of reinforcement, stimulus control, and contingency contracting to the management of children's behavior.

Frank Trimboli, Instructor

Ph.D., Ohio University, 1972

Research Interests: Evaluation of demographic characteristics of psychiatric patients; study of the process and outcome of psychiatric services; development and evaluation of domestic crisis intervention programs.

Marc L. Sheinbein, Instructor

Ph.D., University of Tennessee, 1972

Research Interests: Family and childhood behavioral disorders; measurement of operant responses under various medication schedules; demographic factors in the personality of child care workers.

Adjunct Members

Carmen M. Michael, Clinical Professor

Ph.D., Western Reserve, 1952

Jack R. Strange, Clinical Professor

Ph.D., Johns Hopkins University, 1950

Stanley Blumberg, Clinical Associate Professor

Ph.D., Northwestern University, 1960

John H. Gladfelter, Clinical Associate Professor

Ph.D., University of Houston, 1957

Manuel Balbona, Clinical Assistant Professor

Ph.D., Texas Christian University, 1965

Paul H. Chesmore, Clinical Assistant Professor

Ph.D., Catholic University, 1968

Harold B. Crasilneck, Clinical Assistant Professor

Ph.D., University of Houston, 1954

Irwin Gadol, Clinical Assistant Professor

Ph.D., Louisiana State University, 1968

Donald W. Giller, Clinical Assistant Professor

Ph.D., University of Texas at Austin, 1960

Austin J. Jernigan, Clinical Assistant Professor

Ph.D., University of Kentucky, 1952

David H. Lipsher, Clinical Assistant Professor

Ph.D., Stanford University

Leo A. McCandlish, Clinical Assistant Professor

Ph.D., Loyola University, 1958

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

John R. Price, Clinical Assistant Professor
Ph.D., University of Houston, 1962

Constance E. Adler, Instructor
Ph.D., University of Chicago, 1969

Martin J. Brown, Instructor
Ph.D., University of Texas Health Science Center at
Dallas, 1971

Judith R. Burroughs, Clinical Instructor
Ph.D., Vanderbilt University, 1969

Ray K. McNamara, Clinical Instructor
Ph.D., University of Oklahoma, 1965

Walter E. Penk, Clinical Instructor
Ph.D., University of Houston, 1965

Santiago A. Somodevilla, Clinical Instructor
Ph.D., Texas Tech University, 1971

Objectives

Graduate work leading to the Ph.D. degree in clinical psychology is offered by the Division of Psychology, a component unit of the Department of Psychiatry. This program aims to provide the student with the opportunity of electing an educational sequence which emphasizes extensive professional preparation and incorporates community-wide clinical and consulting experiences, while maintaining those basic science underpinnings which make the psychologist's approach distinctive--a concern with the spirit of inquiry, responsiveness to behavioral data, critically evaluated theory. Major stress, however, is placed on a conceptualization of clinical psychology as fundamentally an applied field, a way of conceptualizing what people are like and of working with them and their environment. Emphasis, therefore, is on the functional, pragmatic preparation for professional practice in its most generic sense and at its highest level.

Over and above the traditional goals of higher education this program aims to: (1) provide the basis for a closely knit integration between psychological knowledge and responsible professional services; (2) make available a wide variety of supervised and broadly conceived clinical and consulting experiences; (3) increase sensitivity to professional responsibilities in the context of significant social needs; (4) heighten interest in formulating and implementing applied clinical psychology research; (5) develop competence and confidence in the role of psychology in multidisciplinary settings; (6) facilitate student identification as a clinical psychologist with a minimum of ambiguity and ambivalence.

GRADUATE PROGRAMS Cont'dFacilities

Since this program requires the full time equivalent of 22 months of field experience over a four-year period, the facilities in which this professional training is acquired are of prime importance. There are available the usual in-and-out patient services associated with Medical School departments such as Psychiatry, Physical Medicine and Rehabilitation, Pediatrics, and Neurology. Major emphasis is placed on attending and consultative experiences in a variety of community settings with which formal training relationships have been developed. These include Children's Development Center, Region X Education Service Center, Dallas Child Guidance Clinic, Dallas County Juvenile Department, Caruth Memorial Rehabilitation Center, Language Training Unit of the Scottish Rite Hospital, Terrell Adolescent Clinic, Southern Methodist University Health Service, Federal Correctional Institution at Seagoville, and Terrell State Hospital.

Available research facilities include: An operant conditioning laboratory in which various behavioral methodologies are investigated in conjunction with psychophysiological data, with specific emphasis on biofeedback techniques; a laboratory for this study of interpersonal processes including equipment designed to assess and modify patterns of conflict resolution in two and three person groups; a thermoregulation laboratory in which CNS mechanisms controlling body temperature and thermal comfort are studied through a variety of physiological and behavioral techniques; an assessment laboratory incorporating the Halstead-Reitan neuropsychology battery. Other current projects in which graduate student participation is possible concern the assessment and remediation of learning problems; behavioral counseling; psychological aspects of lung disease; the measurement of short term memory; defensive/coping styles and ego development; anxiety and response to painful surgical procedures in burn treatment; procedural aspects of behavior modification in sexual deviations; developmental patterns of children with heart disease.

Admission Requirements

Potential applicants should communicate directly with Director of Admissions, Division of Psychology, University of Texas Health Science Center at Dallas, Dallas, Texas 75235. Applicants need to complete the Psychology Graduate Application Form, submit two certified copies of all transcripts, provide three letters of recommendation (two from psychologists) as well as their scores on the Graduate Record Aptitude Examination. In addition to the usual standards of intellectual promise and scholastic ability, the Admissions Committee also stresses personal suitability for a career in clinical

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

psychology and relevant work experience. A minimum of twelve undergraduate credits in psychology (including statistics and learning) is highly desirable.

Students are admitted for the fall semester only. The deadline for completed applications is February 15.

Curriculum

The following outline is illustrative of a typical course sequence. Didactic and clinical activities are concurrent throughout the four years. Half-time field experience is required throughout the last three academic years, with full-time exposure during three summers. Admission to candidacy normally takes place at the end of the first calendar year. Prior to the end of the first semester of the third year students must (1) successfully complete a proficiency examination characterized by faculty committee observation of student clinical skills and (2) submit evidence of knowledge of elementary computer science and programming; at this point a doctoral committee is appointed to supervise the dissertation.

FIRST YEAR:

<u>First Semester</u>	<u>Hrs.</u>	<u>Second Semester</u>	<u>Hrs.</u>
Core Seminar: Learning	3	Core Seminar: Social Psychology	3
Core Seminar: Developmental	3	Core Seminar: Psychobiology	3
Clinical Methods I	3	Core Seminar: Personality Theories & Dynamics	3
Advanced Abnormal Psychology	3	Clinical Methods II	3
Clin. Conference - Research Colloquium	1	Clin. Conference - Research Colloquium	1

SECOND YEAR:

<u>First Semester</u>	<u>Hrs.</u>	<u>Second Semester</u>	<u>Hrs.</u>
Theories and Tech- niques of Group, Individual and Family Psycho- therapy	3	Theories and Tech- niques of Group, Individual and Family Psycho- therapy	3
Advanced Statistics	3	Research Problems & Methods	3
Clinical Management of Children	3	Theories of Behavior Modification	3

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

<u>First Semester</u>	<u>Hrs.</u>	<u>Second Semester</u>	<u>Hrs.</u>
Clin. Conference - Research Colloquium	1	Clin. Conference - Research Colloquium	1
Internship	2	Internship	2

THIRD YEAR:

<u>First Semester</u>	<u>Hrs.</u>	<u>Second Semester</u>	<u>Hrs.</u>
Principles and Practice of Consultation	3	Professional Issues	3
Contemporary Ap- proaches to Clini- cal Research	3	Elective	3
Elective	3	Elective	3
Clin. Conference - Research Colloquium	1	Clin. Conference - Research Colloquium	1
Internship	2	Internship	2

FOURTH YEAR:

<u>First Semester</u>	<u>Hrs.</u>	<u>Second Semester</u>	<u>Hrs.</u>
Dissertation	6	Dissertation	6
Elective	3	Elective	3
Clin. Conference - Research Colloquium	1	Clin. Conference - Research Colloquium	1
Internship	2	Internship	2

Courses Offered

351 Core Seminar: Learning

Prerequisite: Consent of the Instructor. Theories, methods, and findings regarding learning, memory and cognitive processes, primarily in human subjects.

352 Core Seminar: Developmental Psychology

Prerequisite: Consent of the Instructor. Consideration of the principles, methods and findings in selected areas of child development, such as sensory processes, perceptual development, cognitive and social development, intelligence, language acquisition.

353 Core Seminar: Social Psychology

Prerequisite: Consent of the Instructor. Problems in social psychology emphasizing research findings

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

and theoretical formulations, and their application to organizations and community settings.

354 Core Seminar: Psychobiology

Prerequisite: Consent of the Instructor. Basic concepts and research strategies in the study of the biological basis of behavior.

355 Core Seminar: Personality Theories and Dynamics

Prerequisite: Consent of the Instructor. Consideration of selected personality theories in relation to research evidence and clinical case material.

356 Advanced Abnormal Psychology

Prerequisite: Consent of the Instructor. Intensive consideration of psychopathology emphasizing description, etiology, prognosis, treatment modes, and clinical research findings.

361 Clinical Methods I

Prerequisite: Consent of the Graduate Studies Committee. Consideration and application of diagnostic methods for the assessment of intelligence, achievement, aptitude, interest, personality, and psychological deficit.

362 Clinical Methods II

Prerequisite: Clinical Methods I. Diagnostic interviewing and projective techniques.

263 Field Testing Laboratory

Prerequisite: Concurrent registration in Psychology 361 or consent of the Instructor. A laboratory course designed to provide instruction and supervised experience in the mechanics of psychological test administration in conjunction with courses stressing background and interpretation.

371, 372 Theories and Techniques of Group, Individual and Family Psychotherapy

Prerequisite: Concurrent registration in Psychology 291. Survey of theories, techniques and evaluation of individual, group and family psychotherapy.

374 Clinical Management of Children

Prerequisite: Concurrent registration in Psychology 291. Discussion of clinical syndromes and treatment procedures.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

375 Family Therapies

Prerequisite: Concurrent registration in Psychology 291. Concepts and techniques of dealing with disturbed behaviors within the family context.

381 Principles and Practice of Consultation

Prerequisite: Consent of the Instructor. A review of consultation practice emphasizing techniques and problems of psychological consultation to various institutional programs. Field experience will focus on consultation within education settings.

382 Professional Issues

Prerequisite: Consent of the Instructor. Discussion of current professional issues in American Psychology, including training, ethics, standards, legislation and social issues relevant to psychology.

383 Contemporary Approaches to Clinical Research

Prerequisite: Consent of the Instructor. A consideration of fundamental research methods, objective personality assessment techniques, and contemporary clinical research in psychology.

385 Research Problems and Methods

Prerequisite: Consent of the Instructor. Independent research activities and discussions of research strategies and methodologies as they apply to problems in clinical psychology.

191 Clinical Conference: Research Colloquium

Prerequisite: Concurrent registration in Psychology 291. May be repeated for credit. Discussion of diagnostic, therapeutic and other professional problems alternating with research presentations.

398 Seminar in Psychology

Reading, reports and discussions of special areas in psychology. May be repeated for credit.

699 Dissertation

291 Internship in Clinical Psychology

Prerequisite: Consent of the Graduate Studies Committee and full time graduate student standing in psychology. May be repeated for credit. Application of psychological principles, assessment methods, and other behavior change techniques, and consultation approaches under supervision in a clinical setting.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

MICROBIOLOGY

Chairman, Committee on Graduate Studies
Eugene D. Rosenblum, Ph.D.

Chairman, Department of Microbiology
Jonathan W. Uhr, M.D.

Degrees offered
Doctor of Philosophy
Master of Arts

Faculty

Jonathan W. Uhr, Professor
M.D., New York University, 1952
Research Interests: Immunoglobulin biosynthesis;
cell surface immunoglobulins and alloantigens.

Robert M. Pike, Professor
Ph.D., Brown University, 1932
Research Interests: Pathogenic bacteriology;
microbial antigens and antibodies.

Richard A. Finkelstein, Associate Professor
Ph.D., University of Texas at Austin, 1955
Research Interests: Pathogenesis and immunology
of cholera; enterotoxigenic E. coli disease;
gonorrhoea.

Jan Klein, Associate Professor
Ph.D., Institute of Experimental Biology and Genetics,
Prague, 1964
Research Interests: Immunogenetics.

Eugene D. Rosenblum, Associate Professor
Ph.D., University of Wisconsin, 1950
Research Interests: Genetics of staphylococci;
staphylococcal bacteriophage.

Donald V. Moore, Assistant Professor
Ph.D., Rice University, 1942
Research Interests: Parasitic diseases; effect of
chemotherapeutic agents on gametogenesis in
schistosomiasis; medical entomology.

Mary Boesman, Assistant Professor
Ph.D., New York University, 1970
Research Interests: Immunochemistry; protein
chemistry.

David A. Hart, Assistant Professor
Ph.D., Michigan State University, 1969
Research Interests: Mediators of cellular immunity;
immunochemistry.

Kathryn V. Holmes, Assistant Professor
Ph.D., Rockefeller University, 1968
Research Interests: Virology and cell biology.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

John R. Kettman, Jr., Assistant Professor
 Ph.D., Oregon State University, 1968
 Research Interests: Cellular immunology

Barbara A. Minshew, Assistant Professor
 Ph.D., University of Texas Southwestern Medical School, 1972
 Research Interests: Surgical infections; mechanisms
 of antibiotic resistance in bacteria.

Objectives

The faculty members of the Department of Microbiology are engaged in a wide range of research activities as reflected in the above list. In addition, there is considerable collaboration with faculty members from other departments of the Health Science Center in studies of immune disorders, oncology, virology and pathogenesis of infectious disease. The vigorous and enthusiastic scientific climate thus generated enables the graduate program in Microbiology to offer unique opportunities for training and research in microbiology and immunology. Programs leading to the Master's and Doctoral degrees are available. However, preference for admission will be given to applicants who plan to work toward a Ph.D. degree. Areas of specialized training include pathogenic bacteriology, virology, immunology (including biochemical, cellular and genetic aspects), microbial genetics and parasitology. It is the goal of the program to produce graduates who are highly qualified for professional careers in microbiology and immunology and who possess the skills and knowledge essential for supervisory appointments in research, teaching and/or clinical programs.

Facilities

The department laboratories and facilities are equipped to support a wide range of research activities. In addition to the usual laboratory equipment and instruments there are facilities for preparative and zonal ultracentrifugation, moderate size fermentations, gel filtration, fluorescence and electron microscopy, tissue culture, isotope tracer studies and radioimmunoassay, high voltage electrophoresis, quarters for small animal colonies, etc. The department will move in mid-1974 to new, enlarged quarters which will enable an expansion of existing facilities and will also provide additional capabilities such as isolation areas for work with hazardous pathogens.

Requirements for Admission

Acceptance to the graduate program is based on undergraduate record, performance on the Graduate Record Examination, letters of recommendation and, where possible, a personal interview. Although the program has no specific requirements beyond the general requirements for admission to the Graduate School,

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

there are many more applicants than spaces available. As a result recent applicants who have been accepted have undergraduate records and/or GRE scores considerably above the minimum required by the Graduate School. It is strongly recommended that an applicant seeking September admission have the application forms and supporting documents available to the Graduate Studies Committee by the preceding April 1.

Students with a variety of backgrounds are accepted in the program. However, it is highly desirable that the applicant have some undergraduate training in chemistry, biology, mathematics and physics, as well as some undergraduate courses in microbiology. In special cases, appropriate background training can be acquired by completion of course work at neighboring institutions. Applicants with a Master's degree are accepted for doctoral training.

Curriculum

All entering students are expected to enroll in Microbiology 680 and 280 in their first year. Requirements for additional coursework will depend on each student's background and area of interest and will be determined by the Graduate Studies Committee. Predoctoral students are expected to take Biochemistry 680 during their first or second year, unless they have had equivalent training. All students must take Microbiology 283 (seminar) each semester they are enrolled in the graduate program.

Entering students are encouraged to become involved in research as soon as possible. Students seeking a Master's degree must present a satisfactory thesis based on research performed under the guidance of a faculty member.

Students pursuing a Ph.D. program are required to pass a qualifying examination for admission to candidacy. This will examine the student's competency in the broad area of microbiology as well as in his chosen specialty area. It is usually taken during or after the second year of training. A demonstration of reading competence for one foreign language is also required. Following admission to candidacy a supervisory committee is appointed with the supervising professor as chairman. This committee will review and evaluate the student's progress and will, upon completion of the dissertation based on original research, participate in the final oral examination of the student.

Courses Offered

680 Fundamentals of Medical Microbiology

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

280 Parasitology

The content of courses 680 and 280 is identical to Course I offered second year medical students. Course I in Medical Microbiology is designed to familiarize medical students with the fundamentals of etiology, pathogenesis, diagnosis and prevention of infectious diseases. Initially there is a brief introduction to microbiology as a basic science through discussions concerned with microbial physiology and genetics and basic principles of immunology. As the course proceeds the various factors involved in host-parasite interrelationships for specific groups of disease-producing agents including the bacteria, fungi, rickettsiae, viruses, and protozoa and helminth parasites are discussed. Immunologic disorders as well as the application of immunological principles to diagnosis and therapy are stressed. Throughout the course an effort is made to dovetail presentations with those in the Introduction to Disease course.

283 Seminar

May be repeated for credit. Papers relating to problems in microbiology appearing in the current journals are reviewed and discussed. The interpretation and analysis of published experimental data are emphasized. This is a required course for currently enrolled graduate students.

284 to 984 Research

Prerequisite or corequisite: Microbiology. May be repeated for credit. Research is conducted in bacteriology, immunology, virology, or parasitology. A limited number of medical students may be accepted for special studies. The nature of the work is determined by consultation with the Graduate Studies Committee.

385 Immunology

Prerequisite: Medical microbiology, biochemistry, permission of instructor. Primary and secondary antibody responses, the immunoglobulins, the cells involved in antibody production, synthesis and secretion, tolerance, cell cooperation, and cellular immunity.

386 Current Topics in Immunology

Prerequisite: Immunology 385, permission of instructor. Immunochemistry, immunogenetics, tumor immunology, cellular immunology, and other topics of current research interest. May be repeated for credit.

387 Virology

Prerequisites: Medical microbiology and biochemistry. Molecular biology and biochemistry of animal viruses. Virus-cell interactions, oncogenic viruses, and mechanisms of host resistance to virus infection will be emphasized.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

389 Microbial Genetics

Prerequisite: Microbiology. A survey is made of the hereditary mechanisms of microorganisms with emphasis on bacteria and viruses. Mutation and mutagenic agents, sexual recombination, transformation, transduction, and population changes are studied. Experimental and statistical methods employed in microbial genetics are emphasized.

390 Bacterial Physiology

Prerequisite: Microbiology and biochemistry. The major portion of this course is devoted to the carbon and nitrogen metabolism of bacteria. Also included are composition of bacteria, bacterial growth and nutrition, and effects of physical and chemical environment on microorganisms.

391 Parasitology

Prerequisite: Medical microbiology. This course includes a study of selected protozoa, helminths, and arthropods; their biology, epidemiology, prevention and control. Particular emphasis is given to recent advances in the various aspects of selected parasitic diseases.

392 Pathogenic mechanisms

Prerequisite: Medical microbiology; immunology and biochemistry strongly recommended. A critical examination of what is known and what is not known concerning the mechanisms by which microbes cause disease. Special consideration will be given to the effects on and responses of the whole host, organs, tissue cells, and sub-cellular elements as well as microbial attributes and products involved.

293, 493 Special Topics

Prerequisite: Permission of adviser and Graduate Studies Committee. Conferences, lectures (guest lectures), laboratory, interdepartmental workshops, or a combination of these to provide instruction in special areas of microbiology. Special work in other laboratories may be arranged on an individual basis.

698 Thesis

A thesis on research under faculty supervision is required for the Master's degree.

699 Dissertation

A dissertation based on original research is required of candidates for the degree of Doctor of Philosophy and must represent a contribution to scientific knowledge. Before undertaking a doctorate thesis the student must pass qualifying examinations for admission to candidacy.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'dPHARMACOLOGY

Chairman, Committee on Graduate Studies
George B. Weiss, Ph.D.

Chairman, Department of Pharmacology
Andres Goth, M.D.

Degrees Offered
Doctor of Philosophy
Master of Arts

Faculty

Andres Goth, Professor and Chairman
M.D., University of Chile, 1939

Research Interests: Histamine release from mast cells. Drug effects in immediate hypersensitivity. Phosphatidylserine as a co-factor in anaphylactic histamine release. Enhancement of immunologic responses and mediator release by phosphatidylserine. A role for mast cells in hemodynamic responses to pressor agents.

Ervin G. Erdos, Professor
M.D., Ludwig-Maximilian University, Germany, 1950

Research Interests: Angiotension I converting enzyme; vasoactive peptides which stimulate smooth muscles; pharmacology of the biosynthesis and release of renin; the role of the plasma kallikrein-kinin-kininase system in shock.

Parkhurst A. Shore, Professor
Ph.D., Georgetown University, 1955

Research Interests: The mechanism of transport, storage and release of biogenic amines including the catecholamines, indolealkylamines, and histamines; mechanisms of action of antihypertensive drugs, psychotropic drugs including antipsychotics and antidepressants, drugs affecting dopamine; antiparkinson drugs.

Alvin Taurog, Professor
Ph.D., University of California at Berkeley, 1943

Research Interests: Major area of research interest is the thyroid gland including studies on purification of thyroid peroxidase and the elucidation of its role in the biosynthesis of the thyroid hormones, thyroxine and triiodothyronine, and the mechanisms of action of antithyroid drugs.

Wesley G. Clark, Associate Professor
Ph.D., University of Utah, 1962

Research Interests: Effects on thermoregulatory mechanisms of drugs and toxins including antipyretics, pyrogens, prostaglandins, tetrodotoxin, saxitoxin and cholera toxin.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

William A. Pettinger, Associate Professor
M.D., Creighton University, 1959

Research Interests: Characterization of the three control systems of renin release in animal models and in severely hypertensive patients and studies of new antihypertensive drugs in man.

George B. Weiss, Associate Professor
Ph.D., Vanderbilt University, 1962

Research Interests: Mechanisms of drug action in vascular smooth muscle with particular emphasis on interactions with calcium ions; the distribution and interactions of nicotine in muscle and nerve.

H. Richard Adams, Assistant Professor
Ph.D., University of Pittsburgh, 1972

Research Interests: Determination of the mechanisms involved in depression of physiologic function by antimicrobial agents and the interaction of these compounds with other drugs. Intraspecies evaluation of cardiovascular function and how drugs modify such function.

Antonio Giachetti, Assistant Professor
Ph.D., University of Milano, Italy, 1960.

Research Interests: Mechanism of storage and release of catecholamines in adrenergic neurones.

Roy L. Dorris, Assistant Professor
Ph.D., Vanderbilt University, 1969

Research Interests: The neuronal uptake, storage and release of catecholamines and the effects of drugs on these processes, making use of nonmetabolizable amine congeners as models. Particular emphasis is focused on dopamine-containing centers in the brain.

Franklin R. Goodman, Assistant Professor
Ph.D., Medical College of Virginia, 1970

Research Interests: Cellular mechanisms of action of pharmacologic agents in both smooth muscle and nervous tissues.

Objectives

Pharmacology is the area of biological science which involves all aspects of the interactions of chemical compounds with living systems and their constituent parts. The Department of Pharmacology provides an environment in which may be examined everything from the intermolecular reactions of drugs with the chemical components of cells, through the evaluation of the effectiveness and safety of a drug in the treatment of disease to humans, to the effects of chemicals in the environment on entire populations. Primary emphasis is given to studies of the roles of endogenous compounds such as the various neurohumoral transmitters, hormones, mediators of inflammation, etc., in biochemical, physiological and pathologic processes. Areas of current research interest to members of the Department include histamine and immunopharmacology,

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

neuropharmacology, amine metabolism, drug distribution and metabolism, thyroid function and iodine metabolism, antihypertensive agents, renin-angiotensin interactions, smooth muscle pharmacology, polypeptides, cellular mechanisms of drug action, anti-inflammatory agents, analgesic mechanisms, drug interactions, comparative pharmacology and clinical pharmacology.

Both Master's and Doctoral degrees are offered, although facilities for students working solely toward a Master's degree are currently quite limited.

Facilities

The Department of Pharmacology recently moved into the new Basic Science Research Center where each faculty member has space enough to provide graduate students with a desk and sufficient laboratory facilities to carry out research for a thesis. Additional space will be available when the new teaching building is completed within the next year or two. Cold rooms and environmental chambers are available as is equipment for the use of radioisotopes, for spectrophotometry, spectrofluorometry, chromatography and radioimmunoassays.

Requirements for Admission

Studies in pharmacology proceed on the assumption that the student is already thoroughly grounded in the principles of biology, chemistry, mathematics and physics. Undergraduate prerequisites include courses in inorganic chemistry, organic chemistry, qualitative analysis, quantitative analysis, physics, physical chemistry and mathematics (through the calculus). If any of these requirements have not been met at the undergraduate level, arrangements to remove the deficiencies often can be made.

Curriculum

Doctoral candidates are required to demonstrate a knowledge of the principles of pharmacology through a comprehensive examination. The written portion of the examination, administered by the department, additionally covers fundamentals of physiology and biochemistry.

(a) Candidates for Ph.D. Degree:

Required courses

- | | | |
|-------------|---|--|
| First year | - | Medical Physiology (880)
Neuroanatomy & Neurophysiology (582)
Fundamentals of Biochemistry (680) |
| Second year | - | Medical Pharmacology (680)
Statistics of Medicine &
Biology I & II (382 E&D) or
equivalent |

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Third & subsequent - Research in Pharmacology (483,
years 484) or Thesis (698) and
Dissertation (699)

In addition, the student will take advanced courses (188, 288, 388) in specialized areas of pharmacology and Special Topics (189, 289, 389) such as seminar programs and Journal Club presentations whenever these courses are offered throughout his stay in the department.

(b) Candidates for Master's degree:

Required courses	Medical Pharmacology (680)
	Thesis (698)
	Dissertation (699)

Other courses will be determined according to the student's background and desired employment objective

680 Medical Pharmacology

The major purpose of the instruction in pharmacology is to prepare the student for the clinical study of therapeutics by providing him with a knowledge of the manner in which drugs modify functional activity in the organism. After a brief survey of the general principles of pharmacology, the chief work of the course is concerned with experimental pharmacodynamics. Lectures on pharmacological and toxicological properties of some drugs are closely correlated with laboratory work. The relevance of basic pharmacology to clinical applications is stressed.

183 Pharmacology Seminar

384, 484 Research in Pharmacology

188, 288, 388 Advanced Pharmacology

189, 289, 389 Special Topics in Pharmacology

Neuropharmacology, Chemical, Renal Endocrine, Pharmacology, and Toxicology may be available on an alternate schedule with more than one section possible to be offered simultaneously. The course may be repeated for credit when the topics vary.

698 Thesis

699 Dissertation

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'dPHYSIOLOGY

Chairman, Committee on Graduate Studies
John C. Vanatta, M.D.

Chairman, Department of Physiology
Samuel M. McCann, M.D.

Degrees Offered
Doctor of Philosophy
Master of Arts

Faculty

Robert W. Lackey, Emeritus Professor
Ph.D., University of Texas, 1934
Research Interests: Glycogen storage in the myocardium

Robert M. Dowben, Professor
M.D., University of Chicago, 1949
Research Interests: Mechanism by which energy from ATP hydrolysis is made available for mechanical or transport work; structural proteins; protein synthesis; contractility; active transport

Samuel M. McCann, Professor and Chairman
M.D., University of Pennsylvania, 1948
Research Interests: Physiology of the hypothalamic releasing and inhibiting factors which affect the pituitary; reproductive endocrinology; radio-immunoassay of pituitary hormones.

Jere H. Mitchell, Professor
M.D., University of Texas Southwestern Medical School, 1954
Research Interests: Control mechanisms regulating left ventricular performance; cardiovascular adaptation to exercise in man and animals; geometrical analysis of the contraction of the left ventricle.

John C. Porter, Professor
Ph.D., Iowa State University, 1952
Research Interests: Neurohumoral control of anterior pituitary; regulation of secretion of diencephalic, adrenal, ovarian, and testicular hormones.

John C. Vanatta, Professor
M.D., Indiana University, 1944
Research Interests: Mechanisms and control of transport of Na^+ , K^+ , NH_4^+ and H^+ ; sodium metabolism.

C. Gunnar Blomqvist, Associate Professor
M.D., University of Lund, Sweden, 1960; Ph.D., Karolinska Institute, Sweden, 1965
Research Interests: Cardiovascular adaptation to stress; non-invasive quantitative methods for study-

GRADUATE PROGRAMS Cont'd

ing circulatory responses to stress; electrocardiography; physiology of exercise; computer applications in cardiovascular disease and physiology.

Ivan E. Danhof, Associate Professor
Ph.D., University of Illinois, 1953; M.D., University of Texas Southwestern Medical School, 1962

Research Interests: Actions of gastrointestinal hormones on secretions and motor activity of the gastrointestinal tract; clinical pharmacology of drugs modifying gastrointestinal function in man; fecal blood loss produced by salicylates.

Ladislav Krulich, Associate Professor
M.D., Ph.D., Charles University, Czechoslovakia, 1951, 1955

Research Interests: Effect of hypothalamic deafferentations on the secretion of pituitary hormones; mechanism of regulation of thyroid stimulating hormone secretion; radioimmunoassays of pituitary hormones.

Kern Wildenthal, Associate Professor
M.D., Ph.D., University of Texas Southwestern Medical School, 1964, Cambridge, England, 1970.

Research Interests: Myocardial function and metabolism using organ cultures of fetal mouse hearts or anesthetized animals with controlled circulation; control of myocardial metabolism and myosin synthesis.

C. Peter Fawcett, Assistant Professor
Ph.D., Durham University, England, 1959

Research Interests: Biochemical and physiological studies of neuroendocrine regulation of pituitary secretion; chemistry of hypo-physiotropic hormones.

Robert M. Lebovitz, Assistant Professor
Ph.D., University of California, Los Angeles, 1967

Research Interests: Studies of hippocampus in vivo and in vitro; neurophysiology of epilepsies and behavior; factors influencing interictal activity at a seizure focus.

Robert L. Moss, Assistant Professor,
Ph.D., Claremont Graduate School and University Centre, 1969.

Research Interests: Neural, hormonal and pharmacological determinants for hypothalamic control over pituitary functions and reproductive behavior; neuroendocrinology; neurophysiology, microelectrophoresis.

Verney L. Sallee, Assistant Professor
Ph.D., University of New Mexico School of Medicine, 1970

Research Interests: Chemistry of aqueous solutions

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

of bile acids and other lipids; transport of compounds across biological membranes, particularly intestinal tissue; gastrointestinal absorptive physiology.

Gordon H. Templeton, Assistant Professor
Ph.D., University of Texas Southwestern Medical School,
1970

Research Interests: Compliance and mechanical properties of cardiac muscle; influence of hypoxia, acidosis, pentobarbital and coronary artery ligation on myocardial stiffness; effects of hypertonic solutions on coronary and systemic hemodynamics in conscious animals.

William Shapiro, Associate Professor
M.D., Duke University, 1954

Research Interests: Cardiovascular responses to pharmacological agents in man and animals.

George Moushegan, Adjunct Professor
Ph.D., University of Texas, 1957

Research Interests: Brain mechanisms of hearing, auditory electrophysiology, sensory processes; psychophysics of hearing.

Adjunct Members of the Graduate Faculty

H. Fred Downey, Assistant Professor
Ph.D., University of Illinois, 1968

Research Interests: Physiology of circulation; control of flow and hemodynamics of coronary circulation.

James M. Lipton, Assistant Professor,
Ph.D., University of Colorado, 1964.

Research Interests: CNS mechanisms in physiological and behavioral thermoregulation, fever; brain-behavior relations.

John P. Reeves, Assistant Professor,
Ph.D., Massachusetts Institute of Technology, 1969.

Research Interests: Transport, model membrane systems.

Pavel Illner, Instructor,
M.D., Charles University (Czechoslovakia), 1961

Research Interests: Neuroendocrinology, physiology of the hypothalamic releasing factors.

David A. Monner, Instructor,
Ph.D., Oregon State University, 1968.

Research Interests: Membrane protein synthesis in normal and malignant cells.

John T. Watson, Instructor,
Ph.D., University of Texas Southwestern Medical School,
1971.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Research Interests: Mechanical mechanisms for circulatory and pulmonary support; endocrinology.

Objectives

Physiology is the study of the function of living organisms and of their various parts. Physiologists may be primarily interested in measuring and describing these functions, or they may be interested in the neural and hormonal control mechanisms for these functions.

The training leading to a Ph.D. in Physiology prepares the student for a research-oriented career which may be either as an individual or as a member of a research team. Most Ph.D.'s in Physiology combine a career in research with teaching in a medical or dental school. For this reason, the program is also designed to prepare the student for such teaching.

Much of the research done in the department is on experimental animals. However, this research is planned with the aim of achieving a better understanding of the function of the human body, or of developing methods of study which may be applied to the human being.

The Master's degree program is not recommended by our staff to those who wish to pursue a doctoral program. The faculty feels that the additional time required would be better spent in postdoctoral training. The Master's program does prepare the individual for teaching at a lower level in our educational system or for a position as a research associate working under the supervision of a scientist doing independent research.

Current research programs in the department cover many specialized areas of Physiology. Several endocrinologists are combining multidisciplinary approaches to a study of the neural control of the pituitary gland with particular reference to the hormones which influence the reproductive system. Investigations in the area of neurophysiology deal with the role of the central nervous system in sexual behavior and reproduction, temperature regulation, cardiovascular function, the mechanism of seizure, the control of aversive behavior and the physiology of hearing. Several aspects of membrane physiology are under investigation in the department particularly the structure and function of cell membranes as related to their ability to transport ions to and from extracellular fluid and also the function of intestinal membranes in absorption of fatty acids. Research in the area of cardiovascular physiology covers the functions of cardiac muscle, its mechanics and metabolism, and extends to detailed examination of the regulation of cardiac function and behavior during stress, in both animals and humans. Another specialty in the department is the investigation of the secretions and motility of the gastrointestinal tract in response to gastrointestinal hormones and various pharmacological agents.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

These research programs are being pursued at levels of organization ranging from the molecular level of physiological chemistry up through the level of subcellular physiology and individual tissue or organ to the integrated inter-system relations as they function in the whole body.

Facilities

The approach to research in the Physiology Department has demanded the acquisition and application of the most modern equipment and facilities ranging from central and individual housing for experimental animals to apparatus for monitoring cardiac performance during exercise, from the physiograph to the ultracentrifuge, and from environmentally controlled chambers and shielded rooms for neurophysiological microelectrode studies to automatic beta and gamma scintillation counters for radioisotopic studies. Also available are on and off campus computing facilities by means of time sharing terminals and remote batch processing and access to on and off line computer in individual laboratories. The Department is conveniently located on rather more than one whole floor of the new Basic Science Research Building which was opened in 1972 and includes its own conference room and library, with study rooms or offices for the sole use of graduate students of whom 17 were in residence in 1973.

Requirements for Admission

Students in the Doctoral program are required to have a Bachelor's Degree or the equivalent. They must have a B average in their last two years of undergraduate work. Although there are no formal prerequisite courses for entrance, from a practical standpoint it is necessary for the student to have taken a major portion of the courses in mathematics, physics and chemistry which are required for completion of the Ph.D. degree. These courses are listed below under "Courses on Other Campuses".

Students in the Master's program are required to have a Bachelor's Degree or the equivalent. They must have a B average in the last two years of their undergraduate work. They must have a background in chemistry, physics and biology.

Prospective candidates are strongly urged to complete their application procedures by April 1st.

Curriculum

The required courses for the Doctoral program are divided into those courses which are taken on the campus of The University of Texas Health Science Center at Dallas and those courses which must be completed on nearby undergraduate campuses.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

At UTHSCD the first year courses are Cell Biology, Human Genetics, Immunology, Biochemistry, Human Physiology, Neuroanatomy and Neurophysiology, Endocrinology and Human Reproduction and Physiology Seminar. During the subsequent years the student is required to complete courses in Medical Pharmacology, two different "Special Topics in Physiology" courses, Supervised Teaching and Statistics. In addition, the Physiology Seminar course must be completed each year except the year of graduation.

A major portion of work after the first year will consist of a Research course in Physiology. After June of the first year of study, each student begins work under a supervising professor. The selection of the supervising professor for each student is made by the staff based upon the student's stated research interest and preference, and on the space and time the staff member has available for the student's work. The supervising professor must be a member of the Graduate Faculty in Physiology.

Courses on other campuses. Students must complete the following college level courses before they receive the Ph.D. degree. Many of these will have been completed before admission into the program. In mathematics, courses must be completed in differential and integral calculus, and a course in differential equations; in chemistry, courses in general chemistry, organic chemistry and physical chemistry; and in physics, two semesters of general physics. The Graduate Studies Committee in Physiology must approve such changes in the required curriculum.

Examination for Admission to Candidacy for Ph.D. Degree. During the course of study each student must take an examination for admission to candidacy for the Ph.D. degree. This is a comprehensive examination on work up to that date. It consists of two parts, a written examination and an oral examination which are given approximately 4 weeks apart. The supervising professor of the graduate student makes the decision as to when the student is ready for the examination.

Language Requirements. The Department of Physiology requires that a student show proficiency in one modern foreign language or in Fortran computer language in order to obtain the Ph.D. degree in Physiology.

The proficiency in the modern foreign language may be satisfied in one of three ways: (1) Students may present an official transcript showing 12 semester hours or 18 quarter hours of course work in a modern foreign language with an average grade of B or better or credit for such courses on the basis of an examination for advanced standing. This course work must have been taken at an approved institution. (2) They may pass the foreign language examination of the Educational

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Testing Service. Official notification from the ETS of the score is required. The score must rate in the upper 2/3 of those natural science graduate students participating in testing in the same foreign language. The actual score requirement will vary, depending on the language. (3) They may pass the Ph.D. language requirement at another approved university before being admitted to this graduate school. A certificate to this effect from the prior institution is required.

If the student elects to show proficiency in Fortran computer language, the proficiency must be certified by the Medical Computing Resources Center of the Southwestern Medical School. They offer a course of study which is designed to train the student to the required level of proficiency in Fortran.

A typical sequence of courses in the Doctoral Program might be:

First Year-- Sept.-June:	Cell Biology Human Genetics Immunology Biochemistry Human Physiology Neurobiology Endocrinology and Human Reproduction Physiology Seminar
June-Sept.:	Research in Physiology
Second Year--Sept.-June:	Special Topics in Physiology Pharmacology Physiology Seminar Research in Physiology Supervised Teaching Undergraduate courses such as Physical Chemistry, Calculus
June-Sept.:	Research in Physiology
Third Year-- Sept.-June:	Special Topics in Physiology Research in Physiology Statistics Computer programming, Basic Fortran Physiology Seminar
June-Sept.:	Research in Physiology
Fourth Year:	Research in Physiology Dissertation

Course requirements for the Master's Program are:

First Year - the same courses as the typical Ph.D. program

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Second Year - Special Topics in Physiology
 Supervised Teaching
 Research in Physiology
 Thesis

The Master's program takes 21 to 24 months to complete. The Graduate Studies Committee in Physiology may allow advanced standing to students entering the program with training beyond their Bachelor Degree, but in no event will the program be shortened to less than one year.

Courses Offered

880 Medical Physiology

This course consists of lectures and laboratory work supplemented by group conferences. The course begins with instruction in the use of standard physiological laboratory apparatus and a consideration of the physiology of biological membranes. This is followed by a more comprehensive study of the physiology of blood, skeletal muscle, circulation, respiration, digestion excretion, water and electrolyte balance and special senses. Emphasis is placed on the practical aspects of human physiology. The laboratory experiments are designed to illustrate important principles of the subject. Close correlation is maintained between laboratory studies and the subject matter of lectures.

581 Endocrinology and Human Reproduction

This course is designed to give an overview of the structural, functional and biochemical aspects (1) of cells and organs of internal secretion and (2) of those tissues which are prime targets of hormones secreted by endocrine tissues. The course consists of an in-depth consideration of hypothalamic, pituitary, thyroid, pancreatic, parathyroid, adrenal and gonadal function as well as a detailed discussion of such hormonally-dependent exocrine glands as the seminal vesicles, prostate, endometrium and mammary tissue. Special emphasis is placed on spermiation, ovulation, fertilization, implantation and pregnancy. The involvement of trophoblastic tissue in trophic hormone secretion, steroidogenesis and in immunologic reactions is stressed. In addition, human sexuality and the use of antifertility agents in the control of population growth is discussed. Approximately half of the course consists of basic material. The remainder is devoted to the presentation, illustration, and discussion of selected clinical cases which exemplify derangement of normal endocrine function.

582 Neurobiology

This is given jointly by the Departments of Cell Biology and Physiology. Basic neuroanatomy and neuro-

GRADUATE PROGRAMS Cont'd

physiology are developed in a progressive fashion starting with structure-function of nerve cells. The presentation of reflexes and motor control, of sensory systems and sensory integration illustrate basic principles of nervous system organization. Higher functions, including behavior and sleep, plus topics of direct clinical and basic research interest such as EEG and epilepsy, are discussed in relation to this material. The structural features of the nervous system are emphasized by laboratory dissection, prosected materials and slides. Demonstrations illustrate neurophysiological techniques and principles. The course material includes presentation of patients with characteristic disorders of the nervous system. Also participating are the Departments of Neurology, Neurosurgery and Pathology.

182 Physiology Seminar

Seminars are held on special topics not sufficiently covered in lecture courses. Student assignments are made with the aim of increasing knowledge of the literature and of training in the preparation, evaluation and presentation of information to others. One hour credit each semester.

285 Psychoneuroendocrinology of Reproduction

The material presented will consist of a detailed review of the role of nervous afferents to hypothalamic centers controlling pituitary function and influencing reproductive as well as sexual behavior. Among the subcortical structures to be considered are the olfactory bulb, limbic system and reticular formation in the organization of the psychophysiology of sex. In addition, emphasis will be placed on the organization of sexual behavior by hormonal action during the prenatal and postnatal period in mammals. Two hour credit.

386 Foundations of Neurobiology and Neurology

Prerequisite: Course 583 or equivalent. The nervous system from several points of view; basic cellular processes, sensory-motor integration, pathological states and behavior. Emphasis will be on newly developing principles of structure and function, including introduction to formulation of models. Students will have opportunity to become familiar with stereotaxic and micro-electrode procedures, focal lesioning and chronic electrode implantation.

389 Supervised Teaching

Prerequisite: Physiology 880 or equivalent. The student assists in the teaching in the laboratory of the course in Medical Physiology (880). Selected students also lecture in courses taught by the Department of Physiology in the School of Allied Health.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

188, 288, 388 Special Topics in Physiology

Special courses in various aspects of the subject, such as cellular physiology, endocrinology, cardiovascular, gastrointestinal, and body fluid physiology will be offered by arrangement.

284, 484 Research in Physiology

The research in physiology which the student does under the direction of a supervisor is considered as a course for credit.

698 Thesis

The student works under the direction of a supervisor to write a Master's Thesis. Examination on the completed thesis is by a committee of faculty members, one of whom must be from another institution.

699 Dissertation

The student works under the direction of a supervisor to write a Doctoral Dissertation. Examination on the completed dissertation is by a committee of faculty members, one of whom must be from another institution.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

RADIATION BIOLOGY

Chairman, Committee on Graduate Studies
Mary Esther Gaulden, Ph.D.

Acting Chairman, Department of Radiology
Edward E. Christensen, M.D.

Degrees Offered
Doctor of Philosophy
Master of Arts

Faculty

Frederick J. Bonte, Professor
M.D., Western Reserve University, 1945
Research Interests: Experimental radiology
and nuclear medicine.

Edward E. Christensen, Professor
M.D., University of Wisconsin, 1956
Research Interests: Imaging systems and their
application to diagnostic radiology

J. Edward Dowdey, Associate Professor
Ph.D., University of Texas at Austin, 1958
Research Interests: Nuclear medicine instrumentation
including collimator techniques; x-ray fluorescence
scanning and coded aperture image formation with laser
reconstruction; x-ray image formation and magnifica-
tion with electro-optical devices; dosimetry and
therapy instrumentation.

Mary Esther Gaulden, Emma Freeman Associate Professor
Ph.D., University of Virginia, 1948
Research Interests: Mutagenic action of low doses
of ionizing radiation on human chromosomes (lympho-
cytes and embryos); radiation effects on the cell
cycle; somatic hybridization and biochemical methods
for detecting radiation-induced mutations.

Donald E. Carlson, Assistant Professor
Ph.D., University of Tennessee, 1968
Research Interests: Dose distribution, oxygen
enhancement, dose rate and relative biological
effectiveness of negative pi mesons; radiosensitivity
of immunologically competent cells; radiobiologic
variables in clinical radiotherapeutic models.

Edward J. DePersio, Assistant Professor
M.D., University of Tennessee, 1965
Research Interests: Experimental radiation therapy.

Robert W. Parkey, Assistant Professor
M.D., University of Texas Southwestern Medical School, 1965
Research Interests: Experimental nuclear medicine
with computer applications. Areas of interest are
regional organ blood flow and analysis of flow data;
image processing and display of static images; myo-
cardial imaging.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Ernest M. Stokely, Instructor

Ph.D., Southern Methodist University, 1972

Digital processing techniques for enhancement of scintillation camera images; modeling and parameter estimation methods for developing a noninvasive radioisotope technique to measure myocardial blood flow in coronary patients; computer compensation of organ motion in scintigrams.

Kenneth W. Bull, Instructor

M.S., University of Texas Health Science Center at Dallas, 1973

Research Interests: Physics of diagnostic radiology; x-ray image quality; x-ray image magnification with electro-optical devices.

Robert C. Murry, Instructor

M.S., University of Texas Health Science Center at Dallas, 1973

Research Interests: Physics of radiation therapy; instrumentation and dosimetry for radiation therapy; x-ray fluorescent scanning with solid state detectors.

Ronald M. Humphrey, Adjunct Professor

Ph.D., University of Texas at Austin, 1958

Professor of Biophysics, University of Texas M.D. Anderson Hospital and Tumor Institute at Houston

Research Interests: Radiation effects in mammalian cells; repair and recovery phenomena at the molecular level after exposure to x-rays and ultraviolet radiation; cell cycle kinetics.

John Jagger, Adjunct Professor

Ph.D., Yale University, 1954

Professor of Biology, University of Texas at Dallas

Research Interests: Actions of near-ultraviolet radiation on oxidative phosphorylation, membranes and DNA; repair of DNA by near UV treatment (photo-reativation, photoprotection)

Claude S. Rupert, Adjunct Professor

Ph.D., Johns Hopkins University, 1951

Professor of Biology, University of Texas at Dallas

Research Interests: Photoenzymatic repair of ultraviolet radiation damage to DNA; nature of the special spore repair mechanism, interaction of several known repair phenomena at various phases of bacterial cell cycle.

Objectives

Radiation biology is the science of radiation action on living systems. Radiation biologists study (1) initial effects of radiations on molecules and subcellular structures, (2) resulting changes in cell function, and (3) consequent changes in whole organs and organisms. Radiation is a component of man's natural environment, but has now

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

become also a part of the man-made environment, one aspect of which is its use as a broad diagnostic tool in medicine. In addition, radiation is used as a specific treatment modality for human neoplasms. Study of radiation effects on cells and tissues is therefore an important component of the health sciences.

The Graduate Program in Radiation Biology prepares students for professional careers in biomedical research, teaching and service. Students are trained in the fundamental principles of radiation biology. This, however, requires as foundation a comprehensive understanding of normal cell structure and function. The close proximity and interaction of basic scientists and clinicians in the Health Science Center provides students with unique learning and research opportunities for gaining knowledge and experience in the practical aspects of human exposure to medical radiation.

Research in the Program emphasizes molecular and cellular effects of ionizing and nonionizing radiation. This includes genetic changes produced by very low doses of x-rays, such as are used in medical diagnosis, as well as lethal effects caused by the very high doses necessary for radiation therapy of tumors. The strong photobiology research and teaching group at our sister institution, the University of Texas at Dallas, supplements fundamental training in ultraviolet radiation effects on nucleic acids and proteins, a research area which is progressively elucidating our understanding of molecular repair mechanisms.

Facilities

The Radiation Biology Section is housed in the Hoblitzelle Building. It is an integral part of Southwestern Medical School's Radiology Department, which also includes Sections of Radiological Physics (see graduate program), Diagnostic Radiology, Nuclear Medicine, Radiation Therapy and Radiation Safety. A wide variety of radiation sources, radio-nuclides, dosimetry and monitoring equipment is therefore available. Laboratories are equipped with modern research facilities, including photomicroscopes for fluorescence as well as phase microscopy, ultraviolet microbeam apparatus, microdissection apparatus, etc. The Department has special radioisotope and tissue culture laboratories as well as its own library, darkroom, machine shop and complete glassware preparation room.

Requirements for Admission

Applicants are evaluated on an individual basis. Students with undergraduate majors in biology are preferred, but students with physical sciences backgrounds are also admitted. Deficiencies in background may be remedied with undergraduate courses at nearby institutions.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

In addition to the general requirements for admission (see section), the following items are required by the Radiation Biology Graduate Studies Committee and should be sent to the Chairman of the Program:

1. Official score on the special Graduate Record Exam in the science area in which the student feels most proficient.
2. A list of current courses in which the student is enrolled or which he plans to complete prior to entering the graduate program.
3. Two letters of recommendation from professors in the major subject.
4. A statement concerning reasons for interest in graduate work in general and radiation biology in particular.

A personal interview is desirable but not required.

Curriculum

Training consists of formal courses, tutorials (information and research), seminars, informal discussion groups and laboratory work. The precise sequence of courses will vary for different students, because advanced courses may not be taught each year.

The following courses are required of all candidates for the Ph.D. degree: Radiation Biology 381, 382, 183, 384, 435, and 699, Cell Biology 580, Biochemistry 680, Radiological Physics 181, mathematics through the calculus, biostatistics, physical chemistry, genetics, and introductory physics. When students have taken certain required courses, or their equivalents, during the undergraduate study, the graduate requirement may be waived by the Graduate Studies Committee. Elective graduate courses may be taken in other graduate programs of the school, and will be specified by the Graduate Studies Committee to fit each student's needs.

Comprehensive written and oral qualifying examinations are administered usually when the student has completed formal course work (end of first or second year). A proposal for the dissertation must be approved by a student's committee before the research is begun. An oral defense of the dissertation is also required.

Requirements for the M.S. degree include a minimum of two semesters of full-time in-residence research, but usually two years is spent in study. Thirty hours of course work are taken from the following, depending on the academic background and interests of each student: Radiation Biology 381, 382, 183, 384, 435, 385, 698; Radiological Physics 181, Biochemistry 680, Cell Biology 580, Genetics, and mathematics through analytic geometry.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

A thesis and thesis defense is required.

Courses Offered

381 Introduction to Radiation Biology

Basic mechanisms of interaction of radiation with atoms, molecules, and cells. Required of all candidates for degrees.

382 Advanced Radiation Biology

In-depth study of areas of specialization in radiation biology and their application to diagnostic radiology and radiation therapy. Among areas covered are radiation genetics, radiation cytogenetics, radiation immunology, responses of tumors to radiation, physical and chemical modifiers of cell responses to radiation, and mechanisms of repair. In a semester only two or three of these topics will be included; therefore, this course may be repeated for credit.

183 Seminar in Radiation Biology. Students must be continuously registered for this course.

184-984 Research in Radiation Biology

Prerequisite: Introduction to Radiation Biology. May be repeated for credit. Research will be conducted in various aspects of Radiation Biology or nuclear techniques.

385 Radiation Biology of Radiation Therapy

Fractionation models; Tumor growth models and radiosensitivity. Particle irradiation. Dose distributions. Physical and biological factors that influence malignant eradication. Potentiating and sensitizing agents. Also open to residents in Radiation Therapy.

435 Ultraviolet Photobiology

Action of far-ultraviolet radiation on proteins, nucleic acids and cells. Cellular repair of far-ultraviolet damage. Effects of near-ultraviolet radiation on molecules and cells. Photosensitization and photodynamic action. Sunburn and skin cancer. Prerequisite: Introduction to Radiation Biology.

188, 288, 388 Topics in Radiation Biology

189, 289, 389 Topics in Nuclear Medicine

698 Thesis

699 Dissertation

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'dRADIOLOGICAL PHYSICS

Joint Program of University of Texas at Arlington

Chairman, Committee on Graduate Studies
J.E. Dowdey, Ph.D.Acting Chairman, Department of Radiology
E.E. Christensen, M.D.Degree Offered
Master of Science

Faculty

Frederick J. Bonte, Professor
M.D., Western Reserve University, 1945
Research Interests: Experimental radiology and
nuclear medicine.Edward E. Christensen, Professor
M.D., University of Wisconsin, 1956
Research Interests: Imaging systems and their
application to diagnostic radiology.J. Edward Dowdey, Associate Professor
Ph.D., University of Texas at Austin, 1958
Research Interests: Nuclear medicine instrumenta-
tion including collimator techniques, x-ray fluo-
rescence scanning and coded aperture image formation
with laser reconstruction; x-ray image formation and
magnification with electro-optical devices; dosi-
metry and therapy instrumentation.Mary Esther Gaulden, Associate Professor
Ph.D., University of Virginia, 1948.
Research Interests: Mutagenic action of low doses
of ionizing radiation on human chromosomes (lymph-
ocytes and embryos); radiation effects on the cell
cycle; somatic hybridization and biochemical methods
for detecting radiation-induced mutations.E.J. DePersio, Assistant Professor
M.D., University of Oklahoma Medical School, 1965.
Research Interests: Experimental radiation therapy;
dosimetry and dose measurement.R.A. Parkey, Assistant Professor
M.D., University of Texas Southwestern Medical School,
1965
Research Interests: Experimental nuclear medicine
with computer applications. Areas of interest are
regional organ blood flow and analysis of flow data;
image processing and display of static images;
myocardial imaging.Ernest M. Stokely, Instructor
Ph.D., Southern Methodist University, 1972
Research Interests: Digital processing techniques
for enhancement of scintillation camera images;

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

modeling and parameter estimation methods for developing a noninvasive radioisotope technique to measure myocardial blood flow in coronary patients; computer compensation of organ motion in scintigrams.

Kenneth W. Bull, Instructor
B.S., University of Texas Health Science Center at Dallas, 1973.

Research Interests: Physics of diagnostic radiology x-ray image quality; x-ray image magnification with electro-optical devices.

Robert C. Murry, Instructor
M.S., University of Texas Health Science Center at Dallas, 1973.

Research Interests: Physics of radiation therapy; instrumentation and dosimetry for radiation therapy; x-ray fluorescent scanning with solid state detectors.

L.A. Rayburn, Adjunct Professor
Ph.D., The University of Kentucky, 1954
Professor and Head of Physics Department, University of Texas at Arlington.

Research Interests: Fluorescent radiation produced in materials by medium energy charged particles. Van der Graff accelerators.

L.M. Diana, Adjunct Professor
Ph.D., University of Pittsburgh, 1953
Professor of Physics, University of Texas at Arlington

Research Interests: Positron lifetimes in organic liquids.

J.D. McNutt, Adjunct Professor
Ph.D., Wayne State University, 1966
Associate Professor, Physics Department, University of Texas at Arlington

Research Interests: Chemical compounds of positronium; intermolecular forces and molecular order on the annihilation of positrons in liquid crystals.

J.L. Fry, Adjunct Professor
Ph.D., University of California, 1966
Associate Professor, Physics Department, University of Texas at Arlington

Research Interests: Optical and magnetic properties of solids; energy band theory.

Objectives

A program leading to the M.S. in Radiological Physics is offered jointly with the Physics Department, The University of Texas at Arlington (UTA). The objective is to prepare candidates to fill the existing needs for radiological physicists in medical centers and to undertake independent research activities in physics related to the life sciences and clinical procedures.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Radiological physics is the study of radiation, both ionizing and nonionizing, and the medical application of the interaction of radiation with matter. The subject matter may be divided, determined by the type radiation and medical application, into the physics of (1) radiation therapy, (2) diagnostic radiology, (3) nuclear medicine, and (4) radiation safety.

Throughout the program, the physical principles and their application in medicine are emphasized. Research activities are conducted to improve current medical applications and to use new physical concepts and instrumentation in expanding the role of physics in medical procedures.

Facilities

Facilities are available at UTHSCD to conduct research in radionuclide imaging, x-ray imaging on film and by electro-optic devices, x-ray fluorescence, coded aperture imaging with laser reconstruction, thermal luminescent dosimetry, and computer processing. Part of these facilities are for clinical use but are available for research. Students have access to a complete machine shop in the Radiology Department.

Facilities at UTA are available for research in activities in laser interaction with matter, accelerated particles, nuclear magnetic resonance, electron spin resonance, holography and positron annihilation.

Requirements for Admission

For admission to the Radiological Physics Program the applicant must be accepted by the Graduate Studies Committee for Radiological Physics. Since this is a joint program, the applicant must be accepted by the Graduate School at both UTHSCD and UTA, and will take courses at both institutions. The applicant's undergraduate major should be in physics or mathematics, or he must have an acceptable background in a closely related field. Students will be expected to have or to establish a background in electronic circuits, statistical analysis, biology, and computer techniques. These background undergraduate courses are available in area universities (see General Information).

Curriculum

The course requirement for candidates varies depending on the candidate's background. However, the following courses are required of all candidates: (1) Physics 5318 - Advanced Nuclear Physics, (2) Physics 5321 - Modern Physics, (3) Radiology 382 - Applied Radiological Physics, (4) Radiology 389 - Topics in Radiological Physics, and (5) Radiology 689 or Physics 5689 - Thesis. Other graduate courses in physics, radiological physics, and related areas will be selected by the candidates and the graduate advisor.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'dCourses Offered

181 Radiological Physics

The basic principles of radiation and medical nuclear physics are reviewed. Concepts of dosimetry and medical health physics are introduced.

382 Applied Radiological Physics

Dosimetry, treatment planning, monitoring and surveying, protection and institutional health physics.

184, 284, 384 Research in Radiological Physics

May be repeated for credit. Research will be conducted in various aspects of radiological physics.

286 Advanced Radiological Physics

Radiological physics at an advanced mathematical level.

187 Seminar

189, 289, 389 Topics in Radiological Physics

Current topics of interest to the class are selected. May be repeated for credit.

390 Readings in Radiological Physics

Individual students are assigned topics for literature research. A written report will be required.

689 Thesis

Courses Offered at University of Texas at Arlington

5306 Classical Mechanics

The general principles of analytical mechanics, the kinematics of rigid bodies, canonical transformations. Hamilton-Jacobi theory. Prerequisite: physics 4319 (Advanced Mechanics) or permission of graduate advisor.

5307 Quantum Mechanics I

Matrix formulation theory of radiation, angular momentum, perturbation methods. Prerequisite: permission of graduate advisor.

5308 Quantum Mechanics II

Approximate methods symmetry and unitary groups, scattering theory. Prerequisite: physics 5307 or permission of graduate advisor.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

5309 Electromagnetic Theory I

A modern tensorial treatment of classical electrodynamics, force on and field of a moving charge, derivation and application of 4-vector potential. Maxwell's equations in tensor form, field momentum, and radiation. The mathematical tools are developed as needed. Prerequisite: physics 4324 (Advanced Electricity and Magnetism) or permission of graduate advisor.

5310 Statistical Mechanics

Fundamental principles of statistical mechanics. Liouville theorem, entropy, Fermi-Dirac distribution, Bose-Einstein distribution, Einstein condensation, density matrix, quantum statistical mechanics, kinetic methods, and transport theory. Prerequisite: physics 4315 (Heat and Thermodynamics) or permission of graduate advisor.

5311 Mathematical Methods in Physics I

A study of algebraic and analytical methods used in modern physics. Algebra, matrices, groups and tensors, with application to quantum mechanics, the solid state, and special relativity. Analysis: vector calculus, ordinary and partial differential equations, with applications to electromagnetic and seismic wave propagation. Prerequisite: permission of graduate advisor.

5312 Mathematical Methods in Physics II

A continuation of physics 5311 with a selection from the following topics. Algebra: matrix representations of the symmetric and point groups of solid state physics, matrix representations of the continuous groups $O(3)$, $Su(3)$, $Sl(2,C)$, general covariance. Analysis: further study of analytic functions, integral equations. Prerequisite: physics 5311 or permission of graduate advisor.

5314 Electromagnetic Theory II - Advanced Optics

Electromagnetic wave equations, waves in isotropic and anisotropics of metallic boundaries; theory of diffraction, radiation scattering and dispersion. Prerequisite: physics 5309 or permission from graduate advisor.

5315 Solid State I

Crystal structure, lattice vibration, thermal properties, and band theory of solids. Prerequisite: permission of graduate advisor.

5316 Solid State II

Electrical and magnetic properties of crystalline solids, magnetic resonance, and optical phenomena. Prerequisite: permission of graduate advisor.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

5317 Relativity

The geometry of special relativity; particles in fields; collisions of particles; experiments and applications of relativity in optics, electrical engineering, atomic and nuclear physics and space physics; fluids; fields; introduction to general relativity and the needed differential geometry. Prerequisite: permission of graduate advisor.

5318 Advanced Nuclear Physics

Properties of nuclei, nuclear two-body problems, meson theory of nuclear forces, nuclear models, nuclear structure and nuclear transitions. Prerequisite: physics 3446 (Nuclear Physics), physics 4326, or permission of graduate advisor.

5320 Theoretical Physics

Meaning of physical theory, space and time in physics, the foundations of mechanics, probability and statistics and continua. Prerequisite: physics 5306 or permission of graduate advisor.

5321 Modern Physics

This course will present a unified approach to the principle fields of modern physics, relativity, quantum statistics, solid state physics, particle physics and nuclear physics. Prerequisite: permission of graduate advisor.

5323 Elementary Particles

Production, detection and classification of elementary particles. Qualitative study of strong, electromagnetic, and weak interactions and their respective conservation laws. Semi-quantitative treatment of the SU(3) symmetry. Prerequisite: physics 5307 or permission of graduate advisor.

5325 Quantum Field Theory

A study of the quantized field description of elementary particles and their interactions, developed from the principles of quantum mechanics and Lorentz invariance. Quantitative applications to electromagnetic and weak interactions. Prerequisite: physics 5308 or permission of graduate advisor.

5328 Theoretical Seismology

Analysis of body and surface seismic waves utilized in industrial seismic exploration and in earthquake seismology for investigation of the deep interior of the earth. Rock elastic properties; reflection, refraction, interference and diffraction of waves; seismic energy; wave amplitude, frequency and velocity. Prerequisite: mathematics 3318 (Differential Equations) and physics 1442 (General College Physics) or 1444 (General Technical Physics) or permission of graduate advisor.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

5391 Special Topics in Physics

Topics in physics, particularly from areas in which active research is being conducted, are assigned to individuals or small groups for intensive investigations. This course may be repeated for credit.

Prerequisite: permission of graduate advisor.

5392 Selected Topics in Physics

Topics in this course may be varied from semester to semester depending on the needs and interest of the students. This course may be repeated for credit.

Prerequisite: permission of graduate advisor.

5193-5693 Readings in Physics

A conference course which may be repeated for credit.

Prerequisite: permission of instructor.

5194-5694 Research in Physics

A conference course with laboratory which may be repeated for credit. Prerequisite: permission of instructor.

5698 Thesis

Prerequisite: permission of graduate advisor.

The following courses may be applicable toward the graduate program if approved in advance by the graduate advisor.

4325 Solid State Physics

Classification of crystalline solids; elastic and thermal properties; electric and magnetic properties and electronic properties of solids are covered in this course as well as an introduction to current research problems. Prerequisite: physics 4315 (Heat and Thermodynamics).

4326 Introduction to Quantum Mechanics

This course includes the experimental need for quantum mechanics. Schrodinger's equation and implications, the free particle, the one-electron atom, potential barrier and perturbation theory are introduced. Prerequisite: Physics 4319 (Advanced Mechanics).

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

REHABILITATION COUNSELING

Chairman, Committee on Graduate Studies
Paul S. McCollum, Ph.D.

Chairman, Department of Rehabilitation Science
Donald A. Pool, Ph.D.

Degree Offered
Master of Arts

Faculty

Maurice Korman, Professor
Ph.D., University of Minnesota, 1957
Research Interests: Family conflict resolution in two and three person groups. Process of professionalization and prediction of success to various criteria. Defensive coping styles and ego development in various settings.

Alvin J. North, Professor
Ph.D., Yale University, 1948
Research Interests: Variables affecting reliability and validity of psychological measurements and human judgements. Stimulus, reinforcement and neurological factors in cognitive processes.

Harry J. Parker, Professor
Ph.D., Northwestern University, 1956
Research Interests: Occupational psychology including studies of occupational stereotypes and task perception in Allied Health Professions. Task attitude measurement and performance criteria in Allied Health Professions. Task attitude measurement and performance criteria in Allied Health Professions.

Donald A. Pool, Associate Professor
Ph.D., University of Texas at Austin, 1963
Research Interests: Assessment of rehabilitation potential of various disability groups and development of selection procedures to identify clients requiring special programs.

George F. Cromes, Jr., Assistant Professor
Ph.D., Texas Tech University, 1971
Research Interests: Interpersonal and personal factors in responses to burn treatment, spinal cord injury, left hemophilia and other disabilities. Effect of medically related education on attitudes toward disabilities.

Raymond O. Henke, Assistant Professor
Ed.D., University of Northern Colorado, 1971
Research Interests: Diagnostic indicators of learning disabilities. Factors enhancing development of human resource potential. Variables affecting group counseling interaction.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Paul S. McCollum, Assistant Professor

Ph.D., Texas Tech University, 1971

Research Interests: Evaluation of rigidity, withdrawal, and anxiety in burn patients. Group counseling in relation to learning disabilities. Characteristics of welfare recipients.

Frances F. Price, Assistant Professor

Ph.D., University of Georgia, 1971

Research Interests: Factors influencing continuing education for health care personnel. Personality variables affecting health care delivery. Psychological, social and medical factors influencing the aged.

Franklin D. Lewis, Adjunct Associate Professor

Ph.D., Texas Tech University, 1969

Research Interests: Diagnostic aspects of reading disabilities. Management techniques in delivery of community mental health services. Effects of competency based personnel practices on delivery of mental health services.

Objectives

A program leading to the M.S. degree in Rehabilitation Counseling is offered. The purpose of the program is to provide training in the relevant concepts and skills that make up the profession of vocational counseling for disabled persons. Rehabilitation Counselors assist the physically, mentally and culturally disabled to obtain their highest level of adjustment. They are involved in client assessment, counseling and guidance, obtaining medical and training services, and placement in the work environment. Employment is found with State and Federal rehabilitation agencies, rehabilitation centers, employment services, sheltered workshops, prisons, hospitals, clinics, welfare offices, and educational facilities. The program offers basic opportunities for interested students to specialize in the treatment of special problems, such as epilepsy, drug abuse and alcoholism.

The graduate program is designed to train professional rehabilitation counselors in relevant theory and basic skills so that application can be made in field settings. To this end the program combines course-work, laboratory work, and supervised practice in rehabilitation settings. It is a program designed to give the student a systematic and integrated fund of knowledge and skills needed in working with the disabled and disadvantaged. A special effort has been made to give the student education in those areas of study relative to future certification of rehabilitation counselors, e.g., 1) rehabilitation history, 2) counseling theory and techniques, 3) personality dynamics and theory, 4) occupational information and vocational appraisal, and 5) community organization and resources.

GRADUATE PROGRAMS Cont'dFacilities

Students are offered a wide variety of clinical experiences within many special facilities in the Dallas area. A list of those facilities where clinical agreements are in existence is as follows: Texas Rehabilitation Commission (Dallas and Fort Worth Regions); University of Texas Health Science Center (especially the departments of Physical Medicine and Rehabilitation; Psychology; Psychiatry, Neurology and Chronic Disease Unit); Texas State Commission for the Blind (Dallas Region); Woodlawn Hospital; Parkland Memorial Hospital; Dallas Rehabilitation Institute; DAL-WORC; Dallas Goodwill Industries; Dallas County Lighthouse for the Blind; Dallas Association for Retarded Children; Dallas Epilepsy Association, Texas Department of Mental Health and Mental Retardation (Denton State School); Texas Board of Pardons and Paroles; Children's Development Center; Jewish Vocational Counseling Service; Dallas County Mental Health and Mental Retardation Center; Easter Seal Society for Crippled Children and Adults of Texas; United Cerebral Palsy Association of Dallas County; Callier Speech and Hearing Center; The National Association of Retarded Children.

The Department also has an Assessment and Counseling Laboratory with one-way mirrors and group counseling room with audio-visual capabilities. A similar set of facilities is available for student use at the Dallas Rehabilitation Institute.

Requirements for Admission

Applicants should have an undergraduate major in the behavioral sciences, e.g., Psychology, Sociology, Education, Business Administration, etc. Individual exceptions will be judged by the Graduate Work experiences in appropriate fields will also be considered when applications are processed.

CurriculumFIRST YEARFall Semester

RC 5311	History, Processes, and Procedures of Rehabilitation	3
RC 5331	Personality Development and Dynamics	3
RC 5332	Occupational Information and Vocational Analysis	3
RC 5335	Counseling Theory and Techniques	3
RC 5361a	Practicum in Rehabilitation Counseling	3
		<u>15</u>

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

Spring Semester

RC 5312	Psychology of Adjustment to Disability	3
RC 5313	Medical Aspects of Disability	3
RC 5314	Use of Community Organization and Resources in Training and Placement	3
RC 5333	Techniques of Assessment and Evaluation	3
RC 5361b	Practicum in Rehabilitation Counseling	3
		<u>15</u>

Summer Session

RC 5351a	Seminar in Rehabilitation	3
RC 5391a	Master's Research or Independent Study	3
RC 5392a		<u>6</u>

SECOND YEAR:

RC 5391b	Master's Research or Independent Study	3
RC 5392b		
RC 5691	Internship	<u>6</u>
		<u>9</u>

Total hours 45

Courses Offered*

RC 5311 History, Processes and Procedures of Rehabilitation

Orientation to the field of rehabilitation including a survey of history, philosophy, and economics of the system. Study of the process of referral, evaluation, physical restoration, personal and family adjustment, training, placement, and follow-up activities. Prerequisite: Consent of Instructor.

RC 5312 Psychology of Adjustment to Disability

Psychodynamic principles underlying personal adjustment to disability with emphasis on client needs, conflicts, and adjustment mechanisms. Training in identification of client problems and making plans for action. Prerequisite: Consent of Instructor.

RC 5313 Medical Aspects of Disability

Introduction to medical terminology and practices. Survey of body systems, basic functions, common malfunctions, therapeutic services, restorative techniques, and disability evaluation. Prerequisite: Consent of Instructor.

RC 5314 Use of Community Organization and Resources in Training and Placement

Theory and principles of community organization and structure. Techniques of coordinating services emphasizing service delivery systems, community planning, consumer involvement and interagency coordination. Skill training and field experience in training and placement techniques. Prerequisite: Consent of Instructor.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

RC 5331 Personality Development and Dynamics

Historical and current theories of personality development. Discussion of research on the dynamics of behavior and their implications for the rehabilitation process. Prerequisite: Consent of Instructor.

RC 5332 Occupational Information and Vocational Analysis

Training in the use of occupational information including job analysis and placement. Study of the vocational structure of society, occupational skills, entry requirements, and physical and emotional demands. Prerequisite: Consent of Instructor.

RC 5333 Techniques of Assessment and Evaluation

Introduction to group and individual tests of intelligence, aptitude, interest, and personality. Student is given opportunity to administer and score tests under supervision and to learn observational methods. Prerequisite: Consent of Instructor.

RC 5335 Counseling Theory and Techniques

Study of historical and current approaches to individual counseling with application to the field of rehabilitation. Training in basic counseling skills used in exploration, understanding, and acting on client problems. Prerequisite: Consent of Instructor.

RC 5341 Motivational Problems in Rehabilitation

Psychodynamic principles of individual motivation. Study of role of motivation in recovery from disability. Counseling with clients with motivational problems. Prerequisite: Consent of Instructor.

RC 5342 Procedures of Work Evaluation

Utilization of assessment techniques including work to evaluate the handicapped. Survey of procedures of work adjustment, aptitude and achievement appraisal, job analysis and work sample testing. Prerequisite: Consent of Instructor.

RC 5343 Rehabilitation of the Public Assistance Recipient

Study of rehabilitation as applied to poverty settings. Concentration on special counseling intervention, vocational evaluation, pretraining and placement of welfare recipients. Field trips to welfare agencies. Prerequisite: Consent of Instructor.

RC 5344 Rehabilitation of the Drug Abuser

Extensive study of special problems related to drug abuse. Thorough coverage of State, Federal, and private treatment programs. Field visits and observations of rehabilitation practices. Prerequisite: Consent of Instructor.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

RC 5345 Rehabilitation of the Public Offender

Application of rehabilitation procedures to individuals being released from prison or on probation. Emphasis on placement techniques, counseling intervention, and social adjustment. Field trips to appropriate settings. Prerequisite: Consent of Instructor.

RC 5346 Administrative Practices in Rehabilitation

Basic administrative, supervisory and management principles as applied to planning, organizing, budgeting and utilizing human and economic resources in serving the disabled and disadvantaged. Prerequisite: Consent of Instructor.

RC 5351a Seminar in Rehabilitation

Consideration of specific disability groups, counseling methods, professional ethics, and utilization of research in developing service programs in rehabilitation. Prerequisite: Consent of Instructor.

RC 5352 Directed Readings in Rehabilitation

A special course allowing graduate students in rehabilitation science to pursue, under faculty guidance, work not available in other courses. Prerequisite: Consent of Instructor.

RC 5361a Practicum in Rehabilitation Counseling

Supervised individual interviewing and counseling. Participation in case conferences and client staffings. Introduction to case management techniques and the evaluation of vocational potential. Prerequisites: Not open to Special Students.

RC 5361b Practicum in Rehabilitation Counseling

Continuation of RC 5361a

RC 5391a Master's Research

An original research investigation contributing knowledge of the disabled and disadvantaged and/or improving methods and techniques of delivery of rehabilitation services. Prerequisite: Admittance to candidacy.

RC 5391b Master's Research

Continuation of RC 5391a

RC 5392a Independent Study

Intensive study of a selected topic or problem in rehabilitation with critical reference to appropriate literature. Prerequisite: Admittance to Candidacy.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

GRADUATE PROGRAMS Cont'd

RC 5392b Independent Study

Continuation of RC 5392a

RC 5691 Internship in Rehabilitation Counseling

Supervised field work in selected rehabilitation facility including counseling, case studies, contacts with community social agencies, and the vocational training and placement of disabled and disadvantaged clients.
Prerequisite: Admittance to Candidacy.

*The numbering system for courses in this Program is that used in the School of Allied Health Sciences; the last three numbers correspond to the system used by the Graduate School of Biomedical Sciences.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

COURSES OFFERED IN OTHER DEPARTMENTS

Graduate courses are offered in several departments which do not at present have separate graduate programs. These are detailed below. Some of the courses are electives and some are required by certain Graduate Programs. In addition, a few of the courses given medical students in Southwestern Medical School are open to graduate students. Inquiry should be addressed to the Office of the Dean, Graduate School of Biomedical Sciences.

OFFICE OF INSTRUCTIONAL COMMUNICATION
FLORENCE BIOINFORMATION CENTER

The faculty of the Office of Instructional Communication is concerned with service, instruction and research in the knowledge and skills used to apply the communication arts and technology to education in the health sciences. Through this office assistance is provided to all departments in the design, production, and validation of instructional material. Elective courses and workshops are offered. The interconnection of the Health Science Center with other institutions in the North Texas area via TAGER television network with Universities and a subsystem network with hospitals in the Dallas area is also maintained by this office.

Faculty

Fred L. Christen, Ph.D., Associate Professor and Director of Instructional Communications

Joan Godlove, M.S., Instructor

Thomas J. Sweeney, Ph.D., Instructor and Director of Audio-visual and Television Services

Virginia M. Vollmer, Ph.D., Assistant Professor

William M. Winn, M.S., Assistant Professor and Director of Medical Illustration Services

Courses Offered

381 Biomedical Instructional Design

Analysis of instructional needs, message design, testing and evaluation; selection of objectives and strategies; programmed instruction.

382 Management of Biomedical Communication Resources

The concepts and tools of management applied to learning and communication resources in the health sciences instructional setting, budgeting and fiscal management, projecting and procuring support, maintaining appropriate records, report writing and documentation, management literature in health sciences.

383 Information Science and Systems Methodology

Fundamentals of information processing; general systems theory; cybernetics and medical information; systems methodology literature in health operations.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

COURSES OFFERED Cont'd

385 TV-Film Graphics and Animation

Creative problem-solving in preparation of graphics for film and television for instructional use in the health sciences. Principles of animation. Special camera operation and rendering techniques for film animation.

DIVISION OF BIOMATHEMATICS AND BIOSTATISTICS
SOUTHWESTERN MEDICAL SCHOOL

The Division was established to bring mathematical and statistical expertise into the biomedical community in the form of service, research and teaching. Graduate level courses are offered as a service to other graduate programs.

Faculty

J. Wanzer Drane, Ph.D., Assistant Professor and Acting Chairman

David H. Anderson, Ph.D., Assistant Professor

Richard Browne, Ph.D., Assistant Professor

Campbell Read, Ph.D., Assistant Professor

Joan S. Reisch, M.S., Instructor

Courses Offered

382A Mathematical Concepts in Medicine and Biology

Drane, Anderson. Prerequisite: High school algebra. This course shows how studies of the relationships in medicine and biology give rise to the concepts of modern mathematics as found in logic, probability, and the differential and integral calculus.

382B Mathematics in Medicine and Biology

Drane, Anderson. Prerequisite: 382A or introductory calculus. The background for understanding the mathematical aspects of the various volumes of the Handbook of Physiology is developed. An introduction is given to the kinetics of chemical reactions, tracers and compartment theory, and population growth curves.

382C, 382D Statistics of Medicine and Biology I and II

Read, Browne. Prerequisite: Consent of Instructor. This two-semester sequence is designed for the medical fellow and graduate student in the basic health sciences to better prepare him to read and evaluate scientific papers in his own discipline. Statistical inference and methodology is emphasized over the calculus of probability. Students are required to use the computer and the statistical programs of the Scientific Computer System. Topical coverage is flexible and is altered according to the various areas of research represented by the students.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

COURSES OFFERED Cont'd

382F Statistical Methods in Psychological Research

Drane, Staff. Prerequisite: Consent of Instructor. Those methods of experimental statistics employed by the research psychologist in design of experiments, scaling, sampling and analyzing data thus obtained for the core of this course. Resource problems in clinical and experimental psychology are used for illustration and emphasis. The student will be supervised in the use of the facilities of the Scientific Computer System.

On completing the course the student in psychology should be able to understand most statistical treatments of data reported in journals in his discipline.

DEPARTMENT OF MEDICAL COMPUTER SCIENCE
SOUTHWESTERN MEDICAL SCHOOL

The objective of the Department of Medical Computer Science is to provide instruction and consultation to students and faculty of UTHSCD in addition to its research and developmental activities. Departmental activities are supported by the Medical Computing Resources Center (MCRD), which is the computing service component of UTHSCD, and the North Texas Regional Computer Center. The MCRC constitutes the departmental laboratory. Except for electives, the educational program of the Department of Medical Computer Science is integrated into the teaching activities of other departments. Computer Medicine Rounds are open to all students and faculty. Seminars, mini-courses and workshops are held throughout the year.

The Department of Medical Computer Science offers the opportunity for postdoctoral training to those with either the MD or Ph.D. who wish in-depth study in computer applications in the basic and clinical sciences. Emphasis is on practical, cost-beneficial systems for both research and health care delivery.

Faculty

David J. Mischelovich, M.D., Ph.D., Assistant Professor and Chairman

Susan G. Mize, A.B., Instructor

Wes Norred, A.B., Instructor

John F. Peters, Ph.D., Instructor

Lynn L. Peterson, M.A., Instructor

Courses Offered

180 Computers in Medicine

A general overview of the computer as a natural tool for those in the health field. As such, the course covers a broad spectrum of computer applications and techniques.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

COURSES OFFERED Cont'd

Areas of emphasis are hardware, software, systems analysis, Computer-Assisted Instruction, Clinical Information Systems, Real-Time Computing and Scientific Applications. No prerequisites (a background in programming is not required).

182 Basics of Computing

Designed as an introduction to digital computing, the course treats topics in both hardware (components of the system such as central processor, memory, input/output devices) and software (machine, assembler, interpreter, and compiler languages), using available computing facilities for demonstration. Offered on request. No prerequisites.

186 FORTRAN Programming

The essentials of the FORTRAN programming language are presented. The primary use of FORTRAN is for scientific problems. In laboratory periods, students work on assigned problems and on ones of their own choosing, using available computer facilities. Following completion of the course, the student should be able to write programs to do his own data analysis. Offered on request. Optional language requirements of several graduate departments. No prerequisites.

187 Computer-Assisted Instruction

A continuing program of Computer-Assisted Instruction (CAI) in many subject areas is supported throughout the year. Terminals are available at the MCRC and various locations in UTHSCD. Some offerings are given in cooperation with other departments. Further information is available through periodic bulletins of or by direct contact with the Department of Medical Computer Science.

189, 289, 389 Topics in Medical Computer Science

A wide range of topics are covered in offerings of varying length which are provided for students, faculty and staff. These include methods (including relevant computer language) for utilization of the MCRC and the North Texas Computer Center facilities in addition to topics in computer applications in medicine. Many will be offered on request, and suggestions are welcome. Bulletins on offerings will be issued periodically. Prerequisites vary.

SIGMA XI GRADUATE STUDENT RESEARCH FORUM

The Society of the Sigma Xi is a national honorary organization of American Scientists dedicated to the purpose of fostering excellence in scientific research. The Sigma Xi Club at the University of Texas Health Science Center at Dallas has each spring since 1969 sponsored a Graduate Student Research Forum at which selected students enrolled in the Graduate School have an opportunity to present

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

RESEARCH FORUM Cont'd

results from their research. Students selected to speak-- by a faculty committee which judges abstracts invited from the graduate student body--are presented with an appropriate prize. Abstracts of the six student papers presented at the May, 1973 Forum are reprinted below. A feature of each Forum is a lecture by an invited distinguished scientist; Steward Wolf, M.D., Director, Marine Biomedical Institute, University of Texas Medical Branch at Galveston, spoke at the 1973 Forum on "Lessons from the Sea for Medicine".

Marianna Morris

Role of the Central Nervous System in the Regulation of Sodium Excretion

The role of the central nervous system in the control of sodium excretion was investigated by studying the changes in urine composition following the intraventricular (IVTR) injection of norepinephrine (NE), carbachol (c) and hypertonic saline (HS) in the rat. The mechanism of the natriuresis caused by their administration was then studied through the use of adrenergic and cholinergic blockers. Conscious male Holtzman rats (250-275g) with chronic cannulae in the third ventricle, bladder and the jugular vein were infused with a 5% dextrose solution (0.19% cc/min) and urine samples were collected at 15 min. intervals. Control IVTR injections of 2 μ l saline (0.9%) or drug diluent caused no change in Na⁺ excretion. IVTR injection of 2 μ l of HS (2M), NE (5 μ g) and C (0.6 μ g) caused a significant increase in Na⁺ and K⁺ excretion with anti-diuresis. When the B-adrenergic blocker, propranol (Pr) (30 μ g) was given IVTR prior to NE or HS, the Na⁺ excretion was greater than the natriuresis produced by the injection of NE or HS alone. This increase was due to Pr itself since when injected alone it significantly increased Na⁺ excretion and the Na⁺/K⁺ ratio. IVTR injection of 30 μ g of phentolamine (Ph), and α -adrenergic blocker, produced no effect on the urine composition when injected alone. However, the response to NE was completely abolished by pretreatment with Ph. The changes in Na⁺, K⁺ and urine output obtained after IVTR HS were diminished but still significant when Ph was previously injected. IVTR injection of 150 μ g of atropine (At) had no effect on the Na⁺, K⁺ and urine output; however, it prevented the natriuresis produced by IVTR HS. When At was given prior to NE, it prevented the natriuresis which occurred with NE alone in 50% of the treated animals.

In conclusions, natriuresis can be induced by IVTR injection of HS as well as cholinergic and catecholaminergic drugs. Cholinergic and α -adrenergic synapses seem to be involved in the neuroendocrine pathway(s) regulating sodium excretion.

RESEARCH FORUM Cont'd

Michael L. Vasil

Isolation and Characterization of Nontoxinogenic Mutants of *Vibrio cholerae*

It is now well established that the diarrhea of cholera is the result of a protein enterotoxin elaborated by *Vibrio cholerae*. As recent studies have shown that conventional vaccines prepared from killed cholera vibrios are relatively ineffective in preventing cholera and since cholera is currently pandemic, there is an urgent need for an effective vaccine.

The present study was undertaken to identify the genetic location of toxinogenic determinants in *Vibrio cholerae* as well as mechanisms regulating the toxin production.

Single colonies of *V. cholerae* 569B which produce enterotoxin can be identified by a precipitin reaction when highly specific antitoxin is incorporated into agar media. Cultures of *V. cholerae* 569B were mutagenized with nitrosoguanidine, and colonies producing no detectable enterotoxin were selected and characterized by more sensitive techniques. Three classes of mutants have been identified: strains producing no detectable toxin antigen, strains producing reduced extracellular and cell-associated antigen, and strains producing reduced extracellular and increased cell-associated antigen. Like the parental strain, each mutant is prototrophic and agglutinable in specific antiserum. Detectable toxin antigen produced by the mutants appears immunologically identical with enterotoxin from another strain of *V. cholerae*. The amount of extracellular enterotoxin produced *in vitro* correlates well with cholera-genicity in infant rabbits. Prototrophic mutants elaborating no detectable toxin antigen colonize but cause no symptoms or very mild symptoms in infant rabbits under conditions where infection with 569B is uniformly fatal.

This study, still preliminary in nature, demonstrates the effectiveness of these methods for the isolation of *V. cholerae* mutants with altered toxinogenicity which will be useful in genetic analysis of cholera vibrios. In addition, by genetic engineering, we hope to develop strains of *V. cholerae* which might be suitable for administration to man to provide an effective and durable immunity to cholera and perhaps related diarrheal diseases.

Michael J. Stark

Dietary Control of Hepatic Malic Enzyme Activity in the Developing Rat

During development, a number of liver enzymes are known to show marked alteration of activities. At weaning, for instance, malic enzyme is known to demonstrate a rapid increase in activity, followed by a similarly sharp decrease to extremely low levels of activity. In recent years, it has been observed that malic enzyme activity in rat liver may be increased by placing the animals on a high carbohydrate diet or by administration

RESEARCH FORUM Cont'd

of either thyroxine or estrogen. In each study, however, a number of other enzymes were also shown to exhibit increased activities.

If young rats are placed on a diet deficient in protein, hepatic malic enzyme activity shows a significant increase in activity. The response appears to be specific for the liver isozyme. No other liver enzymes have been demonstrated to show significantly increased activity under the same conditions. The response does not seem to be an activation of pre-existing enzyme as demonstrated by labelled antibody techniques. Utilizing a technique which measures the incorporation of ^{14}C -acetate into fatty acids, it has been shown that fatty acid biosynthesis does not show simultaneous induction with the increased malic enzyme activity. Furthermore, the response shows extreme sensitivity to the presence of sulfur-containing amino acids. Supplementation of the diets with low levels of either cysteine or methionine either halts or delays the onset of induction.

These studies suggest that malic enzyme plays a significant role in adaptation to altered levels of dietary protein. The "role" appears to have no primary relation to lipogenesis. Hence, malic enzyme may play an important role in regulation of cellular metabolism as shown by its in vivo response to external stimuli.

Mike Tipton

Fresnel Zone Plate Imaging in Nuclear Medicine

Recent investigations have suggested the possibility of imaging a radioactive source through a two step procedure which utilizes the diffracting phenomenon associated with light. Properties of an imaging system involving diffraction have been examined to determine its feasibility and possible advantages in clinical diagnosis.

In the first step of the system studies, gamma rays are allowed to pass through a "coded" aperture in the shape of a Fresnel zone combination and the resulting transparency is optically reduced to an overall size of about 5 mm. The second procedure involves directing a laser beam through this reduce transparency. Because of the focusing properties of a zone plate, the image is "decoded" and projected in three dimensions onto the viewing screen.

A zone plate consisting of 10 open zones has been constructed out of 1 mm lead mounted on a quarter inch slab of plexiglass. Several objects have been imaged with this zone plate including a thyroid phantom with various "hot" and "cold" spots. Resolution was studied by using line sources of varying spacing. The three dimensional aspect of the image was examined by placing two gamma ray sources at different distances from the FZP.

RESEARCH FORUM Cont'd

These preliminary studies indicate that the resolving power of the system closely approximates that which is predicted by theory. However, the efficiency of producing an image on the screen-film combination leaves much to be desired. A more suitable method of detection would be to use a high resolution image intensifier coupled with a 16mm camera. Other possibilities would include image formation with the Anger camera.

Though the problem with efficiency seems to place a strong limitation on the system, it is believed that present technology is capable of eliminating this deficiency. The high resolution and third dimension afforded by the Fresnel zone plate seem to warrant future investigations of this method.

D. K. Sundberg

Studies on the Mechanism of Action of Prolactin Release-Inhibiting Factor (PRIF)

The rate of secretion of prolactin from the anterior pituitary has been shown to be controlled by the hypothalamus by means of the neurohormone PRIF. In order to investigate the mechanism by which PRIF inhibits prolactin release, male rat anterior pituitaries were incubated in vitro in the presence of several agents known to influence secretory processes and the concentration of the prolactin released into the medium was measured by specific radio-immunoassay. The secretion rate of prolactin in vitro was found to be 2-3 times greater than that found in vivo. This secretion rate could be brought down to that found in vivo by adding to the incubation medium an extract of sheep hypothalami containing PRIF. Theophylline, the inhibitor of CAMP phosphodiesterase, was the only substance studied which could further increase the high basal release of prolactin. Both theophylline and dibutyryl 3'-5' CAMP were able to reverse the inhibition of prolactin release caused by PRIF. Medium containing 25mM K⁺ which has been found to stimulate the release of other anterior pituitary hormones, presumably by depolarizing the plasma membrane, was also found to reverse significantly the inhibition caused by PRIF. The plant alkaloid colchicine has been shown to either inhibit or to potentiate stimulated hormone release, presumably by disrupting microtubules, which may be involved in hormone transport to the plasma membrane. While colchicine had no effect on the basal release of prolactin, it was effective in reversing the inhibition of PRIF. Therefore, it is concluded that PRIF might inhibit prolactin release by lowering intracellular CAMP concentrations, and that microtubules might be involved in the transport of the hormone containing granules within the prolactin secreting cell.

Judith R. Head

Analysis of the Abortifacient Action of Neuraminidase in Mice

Provocative qualities of the hemochorial placenta and its dependent fetus as an allograft are its inability to elicit a state of transplantation immunity in the host and its

RESEARCH FORUM Cont'd

refractoriness to an extant state of sensitivity directed against it. The trophoblast, while bearing histocompatibility and organ-specific antigens, does not normally express them due to unique surface properties of its cells, and it thus behaves as an immunological privileged tissue. This privileged status reportedly can be altered by Vibrio cholerae Neuraminidase (VCN) which may remove the pericellular sialomucin coat of trophoblast cells, thereby unmasking their transplantation isoantigens.

Experiments were designed to test the premise that pregnancy termination in mice resulting from treatment with VCN on days 5 and 7 post-conception is due to immunologic processes initiated by revelation of hitherto masked placental antigens. It was found that: (1) VCN interrupted all pregnancies regardless of whether the fetuses were syngeneic (genetically compatible) or allogeneic (genetically incompatible) with their mothers; (2) ectopic syngeneic or allogeneic blastocysts placed beneath the renal capsules of pregnant mice flourished while their intra-uterine counterparts of similar genetic constitution were aborted in VCN-treated animals; (3) corpus luteum morphology and function and plasma progesterone levels in VCN-treated mice were normal; (4) in gravid mice treated with exogenous progesterone as well as VCN, the fetuses were maintained for several days but were ultimately aborted. Lesions developed in the decidua, but the trophoblast remained healthy.

From these and other findings, it is concluded that VCN terminates pregnancy by interference with the embryo-sustaining functions of the uterine decidua, and not by facilitating maternal immunologic attack against unmasked antigens of the trophoblast.

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

INDEX OF FACULTY MEMBERS

Adams, H. Richard	Pharmacology
Adler, Constance E.	Clinical Psychology
Anderson, David H.	Biomathematics & Biostatistics
Anderson, Richard G.W.	Cell Biology
Andrews, Peter M.	Cell Biology
Ashworth, Robert D.	Cell Biology
Balbona, Manuel	Clinical Psychology
Beer, Alan E.	Cell Biology
Bellion, Edward	Biochemistry
Billingham, Rupert E.	Cell Biology
Blomqvist, C. Gunnar	Physiology
Blumberg, Stanley	Clinical Psychology
Boesman, Mary	Microbiology
Bollon, Arthur P., Jr.	Biochemistry
Bonte, Frederick J.	Radiation Biology
Brown, Martin J.	Clinical Psychology
Browne, Richard H.	Biomathematics & Biostatistics
Bull, Kenneth W.	Radiation Biology/Radiological Physics
Burroughs, Judith R.	Clinical Psychology
Butow, Ronald A.	Biochemistry
Carlson, Donald E.	Radiation Biology
Chesmore, Paul H.	Clinical Psychology
Christen, Fred L.	Instructional Communications
Christensen, Edward E.	Radiation Biology/Radiological Physics
Clark, Wesley G.	Pharmacology
Crasilneck, Harold B.	Clinical Psychology
Cottam, G. Larry	Biochemistry/Biophysics
Cromes, G. Fred, Jr.	Clinical Psychology/Rehabilitation Counseling
Dain, Robert N.	Clinical Psychology
Damrauer, Robert	Biophysics
Danhof, Ivan E.	Physiology
Decker, Robert S.	Cell Biology
Dempsey, Walter B.	Biochemistry
DePersio, Edward J.	Radiation Biology/Radiological Physics
Diana, L.M.	Radiological Physics
Dorris, Roy L.	Pharmacology
Dowben, Robert M.	Biophysics/Physiology
Dowdey, J.E.	Radiation Biology/ Radiological Physics
Downey, H. Fred	Physiology
Drane, J. Wanzer	Biomathematics & Biostatistics
Erdos, Ervin G.	Pharmacology
Ericson, Grover C.	Cell Biology
Estabrook, Ronald W.	Biochemistry

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

INDEX OF FACULTY MEMBERS Cont'd

Faloona, Gerald R.	Biochemistry
Fawcett, C. Peter	Physiology
Finkelstein, Richard A.	Microbiology
Frenkel, Rene	Biochemistry
Fry, J.L.	Radiological Physics
Gadol, Irwin	Clinical Psychology
Gaulden, Mary Esther	Radiation Biology/ Radio- logical Physics
Gerken, G.	Callier Speech & Hearing Center
Giachetti, Antonio	Pharmacology
Gilbert, Ray W.	Clinical Psychology
Giller, Donald W.	Clinical Psychology
Gladfelter, John H.	Clinical Psychology
Gluck, Martin R.	Clinical Psychology
Godlove, Joan	Instructional Communications
Goldstein, Joseph L.	Biochemistry
Gonyea, William J.	Cell Biology
Goodman, Franklin R.	Pharmacology
Goth, Andres	Pharmacology
Grinnell, Frederick	Cell Biology
Hackenbrock, Charles R.	Cell Biology
Hart, David A.	Microbiology
Hedl, J. John, Jr.	Clinical Psychology
Henke, Raymond O	Rehabilitation Counseling
Hersh, Louis B.	Biochemistry
Holmes, Kathryn V.	Microbiology
Huizinga, Raleigh J.	Clinical Psychology
Humphrey, Ronald M.	Radiation Biology
Illner, Pavel	Physiology
Jagger, John	Radiation Biology/Radio- logical Physics
Jernigan, Austin J.	Clinical Psychology
Johnston, John M.	Biochemistry
Kettman, John R., Jr.	Microbiology
Klein, Jan	Microbiology
Korman, Maurice	Clinical Psychology/Rehabil- itation Counseling
Krulich, Ladislav	Physiology
Lackey, Robert W.	Physiology
Lebovitz, Robert M.	Physiology
Lewis, Franklin D.	Rehabilitation Counseling
Linn, Tracy C.	Biochemistry
Lipsher, David H.	Clinical Psychology
Lipton, James M.	Clinical Psychology/Physi- ology
Logan, Daniel L.	Clinical Psychology
LoSpalluto, Joseph J.	Biochemistry
Lovitt, Robert	Clinical Psychology

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

INDEX OF FACULTY MEMBERS Cont'd

Masters, Bettie Sue	Biochemistry
McCandlish, Leo A.	Clinical Psychology
McCann, Samuel M.	Physiology
McCollum, Paul S.	Clinical Psychology/Rehabilitation Counseling
McGarry, John D.	Biochemistry
McNamara, Ray K.	Clinical Psychology
McNutt, J.D.	Radiological Physics
Michael, Carmen M.	Clinical Psychology
Minshew, Barbara H.	Microbiology
Mishelevich, David J.	Medical Computer Science
Mitchell, Jere J.	Physiology
Miyamoto, Vernon K.	Cell Biology
Mize, Charles E.	Biochemistry
Mize, Susan G.	Medical Computer Science
Monner, David A.	Biophysics/Physiology
Moore, Donald V.	Microbiology
Moss, Robert L.	Physiology
Moticka, Edward J.	Cell Biology
Moushegian, George	Callier Hearing and Speech Center/Physiology
Murry, Robert C.	Radiation Biology/Radiological Physics
Neaves, William B.	Cell Biology
Norred, Wes	Medical Computer Science
North, Alvin J.	Clinical Psychology/Rehabilitation Counseling
Nunnally, James E.	Radiological Physics
Ohler, Frank D.	Clinical Psychology
Orias, Raul	Physiology
Pakes, Steven P.	Animal Resources Center
Parker, Harry J.	Clinical Psychology/Rehabilitation Counseling
Parkey, Robert W.	Radiation Biology/Radiological Physics
Penk, Walter E.	Clinical Psychology
Peters, John F.	Medical Computer Science
Peterson, Julian A.	Biochemistry
Peterson, Lynn L.	Medical Computer Science
Pettinger, William A.	Pharmacology
Pike, Robert M.	Microbiology
Pool, Donald A.	Clinical Psychology/Rehabilitation Counseling
Porter, John C.	Physiology
Prager, Morton D.	Biochemistry
Price, Frances F.	Rehabilitation Counseling
Price, John R.	Clinical Psychology
Prough, Russell A.	Biochemistry
Rayburn, L.A.	Radiological Physics
Read, Campbell B.	Biomathematics & Biostatistics
Reeves, John P.	Biophysics/Physiology
Reisch, Joan S.	Biomathematics & Biostatistics

GRADUATE SCHOOL OF BIOMEDICAL SCIENCES BULLETIN 1973-1974 Cont'd

INDEX OF FACULTY MEMBERS Cont'd

Richards, Elmer G.	Biochemistry/Biophysics
Rosenblum, Eugene D.	Microbiology
Rupert, A.	Callier Hearing and Speech Center
Rupert, C. Stan	Radiation Biology
Sallee, Verney L.	Physiology
Schaar, Peter L.	Biophysics
Shadduck, J.A.	Animal Resources Center
Shapiro, William	Physiology
Sheinbein, Marc L.	Clinical Psychology
Shore, Parkhurst A.	Pharmacology
Somodevilla, Santiago A.	Clinical Psychology
Srere, Paul A.	Biochemistry
Stein, Frank J.	Animal Resources Center
Stillman, R.	Callier Hearing and Speech Center
Stokely, Ernest M.	Radiation Biology/Radio- logical Physics
Strange, Jack R.	Clinical Psychology
Streilein, J. Wayne	Cell Biology
Sweeney, Thomas J.	Instructional Communications
Talbot, Amy	Clinical Psychology
Taurog, Alvin	Pharmacology
Templeton, Gordon H.	Physiology
Tidwell, Herbert C.	Biochemistry
Toben, Howard R.	Cell Biology
Trimboli, Frank	Clinical Psychology
Uhr, Jonathan W.	Microbiology
Uyeda, Kosaku	Biochemistry
Vanatta, John C.	Physiology
Vollmer, Virginia M.	Instructional Communications
Waterman, Michael R.	Biochemistry
Watson, John T.	Physiology
Weathersby, Hal T.	Cell Biology
Weiss, George B.	Pharmacology
Wiggans, Donald S.	Biochemistry
Wiggins, H.	Callier Hearing and Speech Center
Wildenthal, Kern	Physiology
Winn, William M.	Instructional Communications

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON

GALVESTON, TEXAS

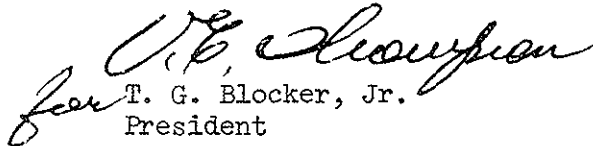
AUGUST 6, 1973

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Dr. LeMaistre:

Attached is The University of Texas Medical Branch at Galveston's Docket, consisting of forty-seven (47) pages, for your approval and presentation to the Board of Regents at its meeting on September 14, 1973.

Sincerely yours,


for T. G. Blocker, Jr.
President

TGBjr:mm
attachment

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONINSTITUTIONAL DOCKETBOARD OF REGENTS' MEETING SEPTEMBER 14, 1973

APPOINTMENTS, RESIGNATIONS, AND/OR CHANGE OF STAFF STATUS OF MEMBERSHIPS ON THE MEDICAL STAFF OF THE UNIVERSITY OF TEXAS MEDICAL BRANCH HOSPITALS AT GALVESTON: Upon the recommendation of the Executive Committee of the Medical Staff, approval of the following recommendations is respectfully requested:

1. Resign Oliver C. Hunter, M.D., Clinical Instructor, Department of Medicine, from Part-Time Courtesy Membership on the Medical Staff. Dr. Hunter resigned from the Department of Medicine on September 27, 1972.
2. Resign Francisco J. Muniz, M.D., Assistant Professor, Department of Medicine, from Full-Time, Attending Membership on the Medical Staff. Dr. Muniz resigned from the Department of Medicine on October 31, 1972.
3. Resign Earl B. Ritchie, M.D., Professor, Department of Dermatology, from Part-Time, Attending Membership on the Medical Staff. Dr. Ritchie retired on January 31, 1973.
4. Resign Thomas F. Bryant, Jr., M.D., Assistant Professor, Department of Anesthesiology, from Full-Time Attending Membership on the Medical Staff. Dr. Bryant resigned from the Department of Anesthesiology on March 12, 1973.
5. Appoint Ceri M. Griffiths, M.D., Assistant Professor, Department of Otolaryngology, to Full-Time Assistant Attending Membership on the Medical Staff with private patient privileges.
6. Change the staff status of William L. Marr, III, M.D., Clinical Instructor, Department of Medicine, from Part-Time Attending Membership on the Medical Staff to Part-Time Courtesy Membership on the Medical Staff with private patient privileges.
7. Appoint J. Thomas Love, Jr., M.D., Assistant Professor, Department of Otolaryngology, to Full-Time Attending Membership on the Medical Staff with private patient privileges.
8. Appoint Robert Frederick Lehman, Jr., M.D., Instructor, Department of Obstetrics and Gynecology, to Full-Time Assistant Attending Membership on the Medical Staff without private patient privileges.
9. Appoint Lillian Miyako Tanaka Abbott, M.D., Instructor, Department of Obstetrics and Gynecology, to Full-Time Assistant Attending Membership on the Medical Staff without private patient privileges.
10. Appoint Cattamanchi Renuka Reddi, M.D, Instructor, Department of Obstetrics and Gynecology, to Full-Time Assistant Attending Membership on the Medical Staff with private patient privileges.
11. Appoint William I. Kracke, M.D., Instructor, Department of Neurology and Psychiatry, to Full-Time Attending Membership on the Medical Staff with private patient privileges.
12. Appoint Benjamin L. Allen, Jr., M.D., Assistant Professor, Department of Surgery, Division of Orthopedic Surgery, to Full-Time Associate Membership on the Medical Staff without private patient privileges.

APPOINTMENTS, RESIGNATIONS, AND/OR CHANGE OF STAFF STATUS OF MEMBERSHIPS
ON THE MEDICAL STAFF OF THE UNIVERSITY OF TEXAS MEDICAL BRANCH HOSPITALS
AT GALVESTON: (continued)

13. Appoint Ted T. Huang, M.D., Assistant Professor, Department of Surgery, Division of Plastic Surgery, to Full-Time Attending Membership on the Medical Staff with private patient privileges.
14. Resign Herman A. Barnett, M.D., Clinical Instructor, Department of Surgery, Division of General Surgery, from Part-Time Courtesy Membership on the Medical Staff effective May 27, 1973, the date of his death.
15. Appoint Frank E. Emery, M.D., Assistant Professor, Department of Surgery, Division of Orthopedic Surgery, to Full-Time Associate Membership on the Medical Staff without private patient privileges.
16. Appoint Carlos Orlando Canales, M.D., Clinical Instructor, Department of Internal Medicine, to Part-Time Courtesy Membership on the Medical Staff without private patient privileges.
17. Appoint Robert L. Ward, M.D., Instructor-Chief Resident, Department of Internal Medicine, to Full-Time Attending Membership on the Medical Staff with private patient privileges.
18. Appoint Pliny C. Smith, M.D., Instructor, Department of Radiology, to Full-Time Assistant Attending Membership on the Medical Staff with private patient privileges.
19. Resign Carol C. Pohl, M.D., Instructor, Department of Radiology, from Full-Time Assistant Attending Membership on the Medical Staff. Dr. Pohl resigned on June 30, 1973.
20. Resign Robert Ring, M.D., Instructor, Department of Radiology, from Full-Time Consulting Membership on the Medical Staff. Dr. Ring resigned June 30, 1973.
21. Resign Joseph A. O'Neill, M.D., Instructor, Department of Radiology, from Full-Time Assistant Attending Membership on the Medical Staff. Dr. O'Neill resigned on June 30, 1973.
22. Resign Richard A. Lawrence, M.D., Assistant Professor, Department of Otolaryngology, from Full-Time Attending Membership on the Medical Staff. Dr. Lawrence resigned on June 30, 1973 to return to school at Michigan Medical School, Ann Arbor, Michigan.
23. Resign Robert Ferris Baxter, M.D., Assistant Professor, Department of Psychiatry, from Full-Time Attending Membership on the Medical Staff effective June 30, 1973.
24. Resign Leonard Carney, M.D., Assistant Professor, Department of Psychiatry, from Full-Time Attending Membership on the Medical Staff. Dr. Carney resigned June 30, 1973.
25. Appoint Prapand Apisarnthanarax, M.D., Assistant Professor, Department of Dermatology, to Full-Time Assistant Attending Membership on the Medical Staff without private patient privileges.

10629
File
Mise

THE UNIVERSITY OF TEXAS GRADUATE SCHOOL FOR BIOMEDICAL SCIENCES AT GALVESTON CATALOGUE, REVISED: On the recommendation of the appropriate Committee on Graduate Studies, departmental chairmen, Acting Dean of the Graduate School, and the President, approval is respectfully requested for the following changes, additions and/or deletions, to the 1973-1975 catalogue.

Amend section Requirements for Admission and Continuation in the Graduate School to include:

Course Number. A 4-digit course numbering system is utilized. The significance of the various digits in the course number is as follows: the first digit --6--denotes the course offered is for graduate credit. The second digit specifies the number of credit hours that a course carries, except that an "X" in the second digit position signifies a course that may be taught for variable hours credit, as stated in the course description. The third and fourth digits are used to make the course number unique within the department.

Amend course numbers for Research and Special Topics to conform with the above variable credit system.

Amend section Academic Programs and Courses of Instruction to read:

BIOCHEMISTRY

Programs of Study:--Programs leading to the M.A. and Ph.D. degrees are offered. ~~[The objectives of g]~~ Graduate education in biochemistry ~~[are to]~~ prepares the ~~[graduate]~~ student for a professional career in research and ~~[in]~~ teaching. ~~[wherein t]~~ The principles and methods of biochemistry are applied to the study of biological and medical problems. Courses of formal study and research experience are provided in several areas of fundamental and applied biochemistry. The programs endeavor to establish a broad general knowledge of modern biochemistry, followed by development of a program designed for the individual student. Within this program, the student has o ~~[o]~~ pportunities for studies in modern cell biology and biochemical genetics and their relation to disease problems ~~[training and experience in teaching are available]~~. This interdisciplinary approach provides greater scope and depth to the standard graduate education.

For the M.A. degree, in addition to the biochemistry school requirements, a final oral examination, including defense of thesis, is required.

The biochemistry course requirements for the M.A. degree include the general biochemistry course and a course in enzymology. Additional courses should be planned with the graduate adviser.

For the Ph.D. degree, the written and oral qualifying examinations take place after the candidate has completed most of his formal courses of study and after meeting satisfactorily the foreign language requirement of the University.

The Ph.D. candidate must prepare and present a written dissertation on original experimental work in a suitable area of biochemistry. A final oral examination in defense of the dissertation completes requirements for the degree.

Facilities. --The program in biochemistry occupies the fifth and sixth floors of the new Libbie Moody Thompson Basic Sciences Building. Major areas of research and interests of the faculty include mechanisms of hormone action and cyclic AMP, steroid biochemistry, molecular biology, enzymology, bioenergetics, ion transport, intermediary metabolism and biochemical genetics. Specific laboratories are involved with biochemical mechanisms of cancer, heart disease, blood disorders, and immune mechanisms in disease processes. Excellent library facilities support research and training interests. Research and teaching assistantships and fellowships are available for qualified applicants.

Specific Admission Requirements. --Applicants should have a strong background in chemistry and the biological sciences. Applicants with majors in other areas will be considered provided they have an appropriate background in chemistry, mathematics and physics, including courses in general, analytical, organic and physical chemistry, mathematics through [the] integral calculus and one year of college physics. A student may be accepted without one or two of these courses provided that he complete the deficiency prior to graduation.

Under Graduate Courses include:

6320. Biochemistry of the Immune Response. --In this course the emphasis will be on the molecular basis of immunity and immunoglobulin disorders. Topics to be included will be the role of the thymus gland in immunity, cell-mediated and humoral responses, soluble mediators of host resistance and immunochemistry. The topics will emphasize the importance of the areas of host immunity in transplantation, cancer, autoimmunity and aging. Prerequisite: Biochemistry 6501, Microbiology 6508. Lecture one to three hours a week. Three semester hours.

6321. Bioenergetics. --The role of biological oxidations in cellular metabolism. Emphasis is placed on mitochondrial functions in various normal and pathologic tissues. Energy transductions in biologic systems are considered from theoretical and functional standpoints. Exposure to modern techniques of biochemical analysis are included. Prerequisite: Biochemistry 6501. Lecture one to three hours a week. Three semester hours.

6322. Molecular Biology of Neoplasia. --A course dealing with the molecular biology, induction, metabolism, and therapy of neoplasia. Prerequisite: Biochemistry 6501. Lecture one to three hours. Three semester hours.

HUMAN GENETICS

Under Graduate Courses, change course number 6311 from:

~~[6311. - Immunogenetics. - Lectures and seminars on the structural concepts governing antigen-antibody reactions and accompanying immunological phenomena. - The course will cover the following~~

topics: - the concept of complementarity; - theories of antibody formation; - antigens and haptens; - immunoglobulins; - dynamics and quantitative aspects of antigen-antibody interaction; - genetic basis of antibody variability; - antibody biosynthesis; - complement sequence and hypersensitivity. - Prerequisite: - three hours of biochemistry. Lecture; three hours a week. - Three semester hours.

To:

6311. Immunogenetics. --This course will emphasize two aspects of basic immunology: 1) the structural concepts governing antigen-antibody reactions and accompanying immunological phenomena, 2) the clonal selection theory as the basis for the genetic control mechanism regulating immune response. Aspects of clinical immunology including immediate and delayed hypersensitivity, transplantation and tumor immunology, and autoimmunity will also be covered. Prerequisite: three hours of biochemistry. Lecture three hours a week. Three semester hours.

Include:

6212. Advanced Study of Inherited Metabolic Diseases. --The course covers contemporary research problems in the area of inherited metabolic diseases. Emphasis is placed on analysis of experimental design and results. Prerequisite: Biochemistry 6501 or equivalent and Human Genetics 6207 or consent of instructor. Lecture two hours a week. Two semester hours.

6313. Biochemical Basis of Inherited Neurological Disorders. -- Emphasis will be on biochemistry and developmental biology of the disease processes. Clinical aspects and modes of inheritance will also be considered. Prerequisite: biochemistry, genetics, and consent of instructor. Lecture three hours a week. Three semester hours.

6314. Biochemistry, Physiology and Genetics of Hemostasis. --Emphasis is placed on the molecular features of the hemostatic processes. The chemistry of coagulation, the structure and function of platelets and the processes of fibrinolysis are discussed in detail. Discussion of genetic abnormalities at the various steps in the hemostatic processes are also included. Prerequisite: Biochemistry 6501 or equivalent. Also listed as Physiology 6302. Lecture three hours a week. Three semester hours.

6315. Advanced Study of Multifactorial Genetic Diseases. --The leading causes of death in the Western hemisphere are related to the multifactorial atherosclerotic process. Such common conditions as diabetes mellitus, hypercholesterolemia, hypertriglyceridemia, and obesity have long been recognized as counterparts to vascular degenerative disease and have long been suspected to possess one or more genetic components. This advanced course studies the current state of biochemical genetic knowledge relating to atherosclerosis and associated disease processes. Prerequisite: general biochemistry or consent of the instructor. Lecture three hours a week. Three semester hours.

6316. Developmental Genetics. --Lectures and seminars on the concepts of differential gene function during the process of development. The course will cover RNA synthesis, protein synthesis, enzyme synthesis and the regulation of gene function. Lectures covering the role of genes in normal morphogenesis and in abnormal development will also be discussed. Minimum of five students. Prerequisite: three hours of biochemistry. Lecture three hours a week. Three semester hours.
6317. Cellular Radiobiology. --This course will define the responses of cells to ionizing radiation. Topics will include the interaction of ionizing radiation with matter; target molecules; radiation damage; repair, recovery and survival; cell progression and division delay; radiation caused cytogenetic and mutational events. Wherever possible, the principles of radiation biology will be presented in light of their relevance to radiology and radiotherapy. Lecture three hours a week. Three semester hours.
6318. Principles of Histochemistry. --This course is designed to acquaint students with microscopic localization of chemical substances in tissues or cells. The course is designed to give the students a better understanding of the dynamic organization of tissues, cells, and subcellular components in terms of their structure, composition, and function. Methods of tissue preparation, autoradiography, and localization of enzymes and other chemical substances will be the main subjects of teaching. Students should have basic knowledge in cell biology, histology, and microtechniques. The course will be given every other year. Lecture three hours a week. Three semester hours.
6419. Biological Ultrastructure I. Methods. --This course is designed to provide fundamental instruction in methods of electron microscopy as applied to large macromolecules, virus, cells, and tissues. Emphasis will be placed on specimen preparation, fundamental electron optics, basic staining and cytochemical procedures. Photographic techniques and darkroom procedures will also be emphasized. Maximum of six students. Lecture one hour a week; laboratory seven hours a week. Four semester hours. \$8 laboratory fee.
6423. Biological Ultrastructure II. Application and Interpretation. -- This course will survey current research in biological ultrastructure and include advanced methods such as EM autoradiography, ultrastructural cytochemistry, immunoelectron microscopy, and special stains and fixatives. Students will be required to complete a research project in ultrastructure involving one or more advanced techniques in electron microscopy. Training will also be provided in the operation and maintenance of the electron microscope laboratory. Maximum of six students. Lecture one hour a week; laboratory seven hours a week. Four semester hours. \$8 laboratory fee.
6324. Cell Proliferation Kinetics of Normal and Neoplastic Cells. -- Topics to be covered in this course will include: The Cell Cycle: cell proliferation in normal cell systems such as the

bone marrow, intestinal epithelium; cell proliferation in solid tumors and in the leukemias; influences of radiotherapy and chemotherapy on tumor cell proliferation; the concepts of cell death, repopulation, growth fractions; the influences of the extracellular environment on cell proliferation, e.g., hypoxia, nearness to capillary blood supply, etc. and will include current data on the biochemical events and control of the cell cycle. Minimum of five students. Lecture three hours a week. Three semester hours.

MICROBIOLOGY

Under Graduate Courses, delete:

~~[6601. - Medical Microbiology. - An introduction to microbiology as related to the biomedical sphere of activity. - This course includes introductory consideration of the medically significant bacteria; fungi; viruses; protozoa and helminths. - Emphasis is placed upon factors important to the study of host-parasite relationship including the general biology of parasites; immunology, mechanisms of pathogenicity and chemotherapy. - Conference, six hours a week for two terms. - Six semester hours.]~~

Include:

6401. Medical Microbiology Tutorial. - The objective of this course is to relate the biological properties of microorganisms to their roles as human pathogens, and to provide basic information on the nature of infectious diseases of humans. Since this is a tutorial course that is available only to beginning graduate students in the Department of Microbiology, the course content will be adjusted to meet the requirements of individual students. Conference six hours a week for one term, project work as arranged. Four semester hours.

6802. Medical Microbiology. - The study of bacteria, fungi, viruses, protozoa, and helminths and their role in infectious disease processes. While particular emphasis is placed upon the host-parasite relations that are involved in disease production, the course also covers pertinent aspects of immunology, chemotherapy, and laboratory diagnostic procedures. Lectures six hours, laboratory five hours for one term. Eight semester hours. \$8 laboratory fee.

Hereinafter change prerequisite in course descriptions from Microbiology 6601 to Microbiology 6401, 6802.

Change course number 6312 from:

~~[6312. - Chemotherapy. - The study of the basic principles of chemotherapy of infectious diseases. - Prerequisite: Microbiology 6601; or consent of instructor. - Lecture, three hours a week. - Three semester hours.]~~

To:

6312. Chemotherapy. --A course in the principles of selective toxicity, especially as related to the effects of drugs on bacterial cells.
Prerequisite: a course in biochemistry. (Microbiology 6401, 6802, or a course in general microbiology is recommended.)
Lecture three hours a week. Three semester hours.

PATHOLOGY

[6306. -- Introduction to Pathobiology. -- Correlation of cell structure as related to function to provide a basis for study of cellular pathobiology; -- initial consideration is given to pathologic states. Lecture and seminar; four hours a week. -- Three semester hours.]

[6307. -- Pathobiology. -- This course is a continuation of Pathology 6306 and relates cellular pathobiology to human disease states; -- Lecture and seminar; four hours a week. -- Three semester hours.]

PHARMACOLOGY AND TOXICOLOGY

Objectives. -- The principal aim of the graduate program is to educate promising candidates for scholarly careers in teaching and research in medical pharmacology and toxicology. Research experience, an essential part of the program, is required in one or more of the several subdivisions of the discipline which are represented in the interests of the faculty of the department.

Programs of Study. -- The department offers programs leading to the M.A. and Ph.D. degrees or combined M.D. -M.A. [-Ph.D.] or M.D. -Ph.D. degrees. There are also opportunities for postdoctoral training. Although there is a considerable degree of flexibility to accommodate the individual student, the establishment of a broad base in pharmacology and in the allied sciences of [;such as] neuroanatomy, histology, embryology, biochemistry, and physiology is essential and microbiology and pathology are [is] considered important.

The current areas under investigation are: the role of catecholamines in metabolism and function; adrenergic receptors; pharmacology of ganglia; smooth and striated muscle pharmacology; enzymology of cyclic AMP and ATP[ase] systems; ion transport mechanisms; renal pharmacology; cardiac arrhythmias and drugs; chemotherapy for parasites, neuropsychopharmacology; and marine toxins and toxicology. There are excellent opportunities for collaboration with other basic science and clinical departments [in the fields of microanalytical techniques; genetics and pharmacology of burned patients].

Facilities: -- The department is equipped to carry on research with advanced instrumentation in most areas of biochemical and physiological pharmacology. All departmental facilities are available for the use of graduate students.

Specific Admission Requirements: The applicant should hold [at least] a bachelor's degree or its [the] equivalent [degree]. A strong background in biology, chemistry, physics, and mathematics [and biology] is essential, and a knowledge of physical chemistry, psychology and foreign languages is desirable.

Under Graduate Courses, change course number 6701 from:

~~[6701:-- Basic Pharmacology. --Action of drugs used for diagnosis, prevention; cure and alleviation of symptoms of disease; pharmacodynamics; principles of toxicology and pharmacotherapy. Prerequisite:--Physiology and Biochemistry;--Lecture and conference;--seven hours a week; laboratory;--three hours a week. Seven semester hours.--\$8 laboratory fee.]~~

To:

6701. Basic Pharmacology. --Medical pharmacology (and toxicology) with emphasis on the chemistry, the biological effects, the sites and mechanisms of action, and the uses of drugs. Major attention is given to drugs used for diagnosis, prevention, cure, and alleviation of symptoms of disease. Drugs are discussed in terms of pharmacodynamics, pharmacokinetics, and pharmacotherapy, and common poisons are used to illustrate principles of toxicology. Prerequisite: physiology and biochemistry. Lecture and conference seven hours a week. Seven semester hours.

Delete:

~~[6403:-- Toxicology:--Advanced study of toxicological methods, signs and symptoms of poisoning and antidotes.--Quantitative aspects of pharmacology:--Lecture;--three hours a week; laboratory;--three hours a week.--Four semester hours.--\$8 laboratory fee.]~~

Change course number 6404 from:

~~[6404:-- Biochemical Pharmacology:--Pharmacodynamics of drug actions in cells studied at the molecular level:--Lecture; three hours a week; laboratory;--three hours a week.--Four semester hours.--\$8 laboratory fee.]~~

To:

6304. Biochemical Pharmacology. --Advanced study of mechanism of drug action on cells; methods of study of biochemical action of drugs, influences of drugs on metabolic pathways, molecular mechanisms of toxicity. Prerequisite: Biochemistry 6501, Pharmacology and Toxicology 6701 or permission of instructor. Lecture three hours a week. Three semester hours.

Delete:

~~[6405:-- Biochemorphyology. --Relation of chemical structure of drugs to their physiological action:--Lecture;--three hours a week; laboratory;--three hours a week. Four semester hours.--\$8 laboratory fee.]~~

Change course number 6406 from:

Change course number 6406 as follows:

63[4]06. Principles of Drug Action. --Seminars [and laboratory assignments] on the general principles of drug action including: molecular mechanisms; absorption, distribution and elimination; metabolism; time course of action; toxicity, idiosyncrasy and pharmacogenetics; allergy; resistance; tolerance and physical dependence; mutagenesis; carcinogenesis; teratogenesis; development and selection for clinical use. Lecture [,] three hours a week [,; laboratory, - two-hours a week]. Three [Four] semester hours. [\$8 laboratory fee;]

Delete:

[6407: - Chemotherapy. - General principles of altering the host parasite-relation in treatment of infectious diseases with antibiotics; heavy metals; cinchona and other alkaloids, and miscellaneous agents. - Lecture; three hours a week; laboratory; three hours a week. - Four semester hours. \$8 laboratory fee.]

[6408: - Advanced Autonomic Pharmacology. - Seminars and laboratory assignments dealing in depth with the actions of drugs on the autonomic nervous system (including the afferent and central components of its reflexes) and on the effector systems which it innervates. - Prerequisite: Pharmacology 6701 or permission of instructor. - Lecture, three hours a week; laboratory, three hours a week. - Four semester hours. - \$8 laboratory fee.]

[6409: - Cardiovascular Pharmacology. - Mechanism of action of known cardiovascular drugs on the heart and circulation; Study of drug action on cardiovascular reflexes. - Lecture, three hours a week; laboratory, three hours a week. - Four semester hours. - \$8 laboratory fee.]

[6410: - Renal Pharmacology. - Demonstration of mechanism of action of diuretic agents in normal; salt-loaded and in animals in congestive failure. - Lecture; three hours a week; laboratory; three hours a week. - Four semester hours. - \$8 laboratory fee.]

Change course number 6411 from:

[6411: - Neuropharmacology. - Study of mechanisms of drug action on transmission at selected synaptic areas in the central and peripheral nervous system. - Lecture; three hours a week; laboratory; three hours a week. - Four semester hours. - \$8 laboratory fee.]

And:

[6412: - Psychopharmacology. - Study of methods for demonstrating action of drugs on normal and abnormal behavior in selected laboratory animals. - Extrapolation to actions in normal and

~~psychotic-patients.- Lecture, three hours a week; laboratory, three hours a week; - Four semester hours; - \$8 laboratory fee.]~~

To:

6311. Neuropsychopharmacology. - Study of the mechanisms of drug action on the central and peripheral nervous system. Included are neurophysiological, biochemical and behavioral aspects. Discussion of methods for the study of drug effects on behavior. Prerequisite: Pharmacology and Toxicology 6701 or permission of instructor. Lecture three hours a week. Three semester hours.

Change course number 6114 as follows:

6114. Seminar in Pharmacology. - Presentations by guest lecturers, staff, and students of progress of their own research as well as reviews of recent advances in pharmacology. Lecture [;] one hour a week. May be repeated for credit. One semester hour.

Change course number 6415 from:

~~[6415: - Procedures for Pharmacologic-Evaluation of Drugs. - Review of procedures for pharmacologic-evaluation of various classes of chemical-compounds. - Lecture, three hours a week; laboratory, three hours a week; - Four semester hours; - \$8 laboratory fee.]~~

To:

6315. Practical Pharmacology. - A broad laboratory experience in the major areas of pharmacology for graduate and special students. Laboratory six hours a week. \$4 laboratory fee.

Delete:

~~[6316: - Biometrics in Pharmacology. - A study of the mathematical techniques useful in the collection, evaluation and interpretation of data collected from biological experiments. - Lecture, three hours a week. - Three semester hours.]~~

Change course number 6317 from:

~~[6317: - Organ Pharmacology. - Detailed studies on the responses of a variety of organs and organ-systems to pharmacologic-agents. Prerequisite: - Pharmacology and Toxicology 6401 and 6302 or equivalent; - Lecture three hours a week; - Three semester hours.]~~

To:

6317. Organ Pharmacology. - Advanced seminars dealing with the effects of pharmacologically active agents on various organs and organ systems. The topics include: peripheral neuroeffector systems (adrenergic, cholinergic, ganglia, neuromuscular); muscular contraction (skeletal, smooth, cardiac); kidney;

gastrointestinal system; uterus; eye; respiratory system.
Systems may be changed depending upon the interest and needs
of the class. Prerequisite: Pharmacology and Toxicology 6701
or permission of instructor. Lecture three hours a week.
Three semester hours.

Include:

6318. Advanced Topics in Pharmacology. --Tutorial studies arranged
with a selected instructor on a special topic such as autonomic,
cardiac, vascular, renal, neuro- or psycho- pharmacology,
toxicology, chemotherapy, biochemorphology, biometrics, etc.
May be repeated for credit. Lecture three hours a week. Three
semester hours.

PHYSIOLOGY

Under Graduate Courses, change course number 6202 from:

~~[6202.- Chemistry and Physiology of Blood. --Course deals primarily~~
~~with blood coagulation and fibrinolysis; but consideration is~~
~~also given to effects of the composition of blood on its~~
~~rheological properties. -- Prerequisite: -- Biochemistry 6501 and~~
~~Physiology 6501 or equivalent. -- Lecture, -- three hours a week.~~
~~Two semester hours.]~~

To:

6302. Biochemistry, Physiology and Genetics of Hemostasis. --Emphasis
is placed on the molecular features of the hemostatic processes.
The chemistry of coagulation, the structure and function of
platelets and the processes of fibrinolysis are discussed in detail.
Discussion of genetic abnormalities at the various steps in the
hemostatic processes are also included. Prerequisite:
Biochemistry 6501 or equivalent. Also listed as Human Genetics
6314. Lecture three hours a week. Three semester hours.

Delete:

~~[6208.- Experimental Mammalian Physiology. --A laboratory course~~
~~in advanced techniques with discussion periods. -- Prerequisite:~~
~~Physiology 6501 or equivalent. -- Lecture, -- one hour a week;~~
~~laboratory four hours a week. -- Two semester hours. -- \$4~~
~~laboratory fee.]~~

Change course number 6112 as follows:

60[1]12. Weekly Seminar [s] in Advanced Physiology. --Reports of
investigative work, review of literature and presentation [s]
of topics of interest by staff members, graduate students and
visiting scientists. [Prerequisite: --Physiology 6501 or
equivalent. ;] Lecture [;] one hour a week. [One semester hour.]

Change course number 6316 as follows:

60[3]16. Calculus for Biomedical Courses. --Differential and integral --
including analytical geometry. Lecture [;] three hours a week.

No credit [Three-semester-hours].

In compliance with formula to arrive at credit hours, change course 6424, under both Physiology and Anatomy, to 6524.

Include:

6331. Comparative Neurophysiology. --Discussions, literature review, and appropriate laboratory demonstrations of selected model neurophysiological systems, including representatives of annelids, molluscs, arthropods, and fishes. Prerequisite: Anatomy or Physiology 6524. Lecture three hours a week. Three semester hours.

PREVENTIVE MEDICINE AND COMMUNITY HEALTH

Programs of Study:--Courses of study [and other learning experiences] are available in epidemiology and biostatistics, behavioral science, environmental and occupational health, [industrial health;] preventive medicine, community health and health care delivery systems. Graduate programs leading to the M. A. and Ph. D. degrees, as well as combined M. A. -M. D. or M. D. -Ph. D. degrees, are available to qualified students. Although a minimum of 30 hours of credit, including a thesis, are required for the M. A. degree, awarding of the Ph. D. degree is based upon attainment of a high level of knowledge and research competence rather than upon the completion of a specified number of hours.

After exposure to the essential elements of preventive medicine and community health as encompassed in the core study area, each student is encouraged to pursue his interests within the framework of one of the four areas of specialization offered by the department. These are biostatistics, epidemiology, environmental health, and medical care organization.

[Programs of study are individualized and designed to prepare each student for a career in some facet of the health field; i. e.; -academic medicine; research; health planning and administration; and related activities in health programs and agencies.]

Facilities:--The department has ample space, equipment and other facilities to support research in all phases of preventive medicine and community health. A modern, large scale computer system with such programs as the BMD biomedical library is available and located close by. The departmental neighborhood health clinic, two county comprehensive health clinics, the Children and Youth Clinic, and the Family Planning Clinic, some of which are located in a ghetto area, provide excellent opportunities for graduate study, as does the Family Medicine program and associated clinics. The department also maintains a close liaison with clinical departments in the Medical Branch, the local health departments, NASA Manned Spacecraft Center, The University of Texas Graduate School of Public Health, The National Marine Fisheries Service, the Industrial Medicine & Toxicology Department, Texas Division, Dow Chemical Company, and a number of other industrial companies, and a variety of health agencies.

Specific Admission Requirements:--Applicants should have a suitable [an] undergraduate major in a physical, life, behavioral science, or in the humanities. Admission requires an average of B (3.0) in the last two undergraduate years, and a combined score of 1000 on the verbal and quantitative parts of the Graduate Record Examination. Permission of Instructor is required for all courses; prerequisites as specified.

Under Graduate Courses, change course number 6401 from:

~~[6401:-- Preventive Medicine and Community Health. -- Lectures, panels and demonstrations designed to emphasize the social and physical environment as well as the biological status of individuals in delineating their health problems and utilizing the necessary resources for their control; direct attention and energies to the needs of families and communities as well as individuals; and regard disease prevention as important as diagnosis and treatment. Lecture; four hours a week. -- First semester. -- Four semester hours.]~~

To:

6401. Preventive Medicine and Community Health. -- This course is designed to introduce the students to the research process as it applies to those factors in our social, physical and biological environments which influence the health status of individuals, groups and communities. Special attention is paid to the detection and monitoring of community health problems, and the development and utilization of the necessary resources for their control. Lecture four hours a week. First semester. Four semester hours.

Change course number 6303 from:

~~[6303:-- Principles of Statistical Reasoning (I). -- Concepts of statistical reasoning as applied to the study of public health problems; -- The general principles of statistical analysis with emphasis on the design of community health studies and on the appropriate collection; tabulation; presentation and interpretation of statistical material; -- Topics covered include vital statistics rates; life tables; binomial and normal distributions; comparison of rates and means; and the χ^2 test. -- Lecture; two hours a week; laboratory; four hours a week. -- Three semester hours. -- \$4 laboratory fee.]~~

To:

6303. Principles and Procedures of Statistical Reasoning. -- Fundamentals of probability, randomization, sampling, confidence intervals, hypothesis testing, estimations, correlation and regression. Lecture two hours a week; laboratory one hour a week. Three semester hours. \$4 laboratory fee.

Change course number 6204 as follows:

63[2]04. Introduction to Epidemiology. --Basic principles and procedures of epidemiology and their applications to communicable and non-communicable diseases, community health and health services research. Lecture [;] three [one] hours a week [; laboratory, - three hours a week]. Three [Two] semester hours. [\$4 laboratory fee.]

Delete:

[6205: - Nutrition: - Fundamentals of nutrition; with principal emphasis on humans; - Factors affecting adequacy of dietary intake; - methods of determining nutritional status; the basis and development of nutritional standards and recent advances in basic and applied research; - Lecture, two hours a week; - Two semester hours.]

[6206: - Epidemiology and Control of Vector-Borne Diseases. - A survey of arthropods of medical importance with emphasis on the epidemiology and control of vector-borne diseases; Lecture; two hours a week; - Two semester hours.]

Change course number 6308 from:

[6308: - Biometry. - Exposition of recent developments in the design of laboratory experiments; - Principles of randomization; replication; and local control; - analysis of variance techniques. Discussion of various experimental designs such as randomized block, - Latin Square and factorial. - Prerequisite: PM & CH 6303. - Lecture; two hours a week; laboratory, - four hours a week. - Three semester hours. - \$4 laboratory fee.]

To:

6408. Statistical Methodology (I). --Statistical concepts and methodologies in the study of health and biomedical problems. Emphasis on the role and methods of statistics in the collection, organization, analysis and interpretation of numerical information. Topics to be covered: probability and probability distribution, graphs and tables, descriptive statistics, estimations and confidence intervals, populations and samples, hypothesis testing, Chi square tests, regression and correlations, analysis of variance, non-parametric procedures. Recommended for graduate students of all departments. Lecture three hours a week; laboratory one hour a week. Four semester hours. \$8 laboratory fee.

Change course number 6209 from:

[6209: - Experimental Design. - A survey of experimental strategies with special reference to increasing power and precision of statistical analyses. - Lecture; one hour a week; laboratory, - three hours a week; - Two semester hours. - \$4 laboratory fee.]

To:

6409. Statistical Methodology (II). --Continuation of Statistical Methodology (I) with heavy emphasis on the statistical design and analysis of experiments. Analysis of variance and covariance including subsamples, estimation of variance components, incomplete block designs, confounding of factorial effects, multiple comparison techniques, principles of split plots and pooling of experiments. Prerequisite: Statistical Methodology (I) or equivalent. Lecture three hours a week; laboratory one hour a week. Four semester hours. \$8 laboratory fee.

Change course number 6310:

~~62[3]10. Fundamentals of Data Processing [Data Processing]. -- Introduction to principles needed for processing data files, editing, encoding, structuring and manipulation of data, as well as timing considerations. Use of canned programs, magnetic tapes and disc files. Basic instruction in Fortran (IV) programming. Use of data processing and electronic computing equipment. Lecture [;] two hours a week [; laboratory, - four hours a week]. Two [Three] semester hours.~~

Delete:

~~[6312.- Community Health Methods. --Laboratory and administrative techniques useful in community health practice; - Lecture and laboratory hours will vary each week; - Three semester hours.]~~

Change course number 6214 from:

~~[6214.- Medical Sociology. --Principles of social behavior in meeting health problems and conveying health concepts. Lecture; one hour a week; laboratory, - two hours a week. Two semester hours; - \$4 laboratory fee;]~~

To:

6314. Medical Sociology. --Basic principles of social behavior as they relate to the nature, organization, and function of modern medicine. Specific attention is paid to the organization of health care professions, social factors in the doctor-patient relationship, and the influences of health attitudes on health related behavior. Lecture three hours a week. Three semester hours.

Change course number 6216 from:

~~[6216.- Principles of Statistical Reasoning (II). --Sampling, testing of hypothesis; - regression and correlation, contingency table analysis; - non-parametric techniques, poisson and other special distributions; - Life table concepts in analysis of survivorship from specific diseases. Prerequisite: - FM & CH 6309; - Lecture; one hour a week; laboratory two hours a week; - Two semester hours; - \$4 laboratory fee;]~~

To:

6316. Statistical Design of Sample Surveys. --Constructing and analyzing designs for investigations requiring sampling techniques. Descriptive Surveys including simple random, stratified, and multistage designs. Estimation in finite populations including ratio and regression estimation. Lecture three hours a week. Three semester hours.

Change course number 6217 from:

~~[6217.- Statistical Methods in Public Health Studies; --Designed to appraise methods employed in the study of health problems in communities and industrial, school and other groups within a community; - Lectures, seminars and laboratory exercises consider problems of study, design, data collection; analysis and interpretation in current and laboratory exercises consider problems of study, design, data collection, analysis and interpretation in current and classic statistical investigations related to: (1) assessment of levels of health in a population group; (2) factors associated with these levels; and (3) the evaluation of preventive and therapeutic measures; - A critical review is presented of the use of estimation procedures for incidence and prevalence; distribution functions; sampling techniques; procedures for establishment of control and comparison groups, epidemic models; life table and other analytic approaches in follow-up studies; sequential analysis; retrospective and prospective analyses; competing risks estimates; longitudinal and cross-sectional approaches; measures of association and correlation. - Prerequisite: Preferably, PM & CH 6303, 6204, 6308; - Lecture; one hour a week; laboratory; two hours a week; - Two semester hours; - \$4 laboratory fee.]~~

To:

6X17. Special Topics in Biostatistics. --Lectures, panels, literature reviews in such areas as: development of health information systems, statistical information for health manpower planning and evaluation, statistical problems in health services and medical care research, topics in quality control, and program evaluations in the health fields. Lecture hours will vary each week. Six semester hours maximum.

Include:

6420. Environmental Chemistry. --The principles of physical, organic, and analytic chemistry as applied to environmental problems and pollution. Examples of subjects discussed are solubility of gases in water, principles of thermodynamics, solubility, kinetics of reactions, biodegradability, chelation, etc. The laboratory includes several experiments which employ newer instrumentation such as the gas chromatograph,

- spectrophotometer, thin-layer chromatography, fluorimeter, atomic absorption spectrophotometer, to cope with some environmental chemical problems. Lecture three hours a week; laboratory three hours a week. Four semester hours. \$8 laboratory fee.
6321. Environmental Health. --An introduction to human health problems derived from air, water, ground, and noise pollution, and occupational health problems such as noise, toxic dusts, vapors and solvents, accidents and radiation. Lecture three hours a week. Three semester hours.
6222. Environmental Toxicology. --The principles of toxicology including mechanisms of toxicity; detoxification; bio-assay; species variation; genetic aspects; heavy metals; phosphate insecticides, and other neuro-toxins; detection of toxins. Lecture two hours a week. Two semester hours.
6323. Occupational Health. --General principles of occupational health and hazards. Includes such topics as industrial hygiene survey, threshold level value (TLV), maximum allowable concentration (MAC), principles of toxicity, dust-counting and sizing, pneumoconioses, heavy metal poisoning, solvents, principles of sound and noise, noise-induced hearing loss, occupational skin disorders, radiological health, use of industrial hygiene instrumentation. Principles are illustrated by laboratory experiments. Lecture two hours a week; laboratory three hours a week. Three semester hours. \$4 laboratory fee.
6224. Air Sampling and Analysis. --General principles of sampling and analyses of contaminants, gaseous and particulate, from the ambient environment. Lectures include discussion of physico-chemical theory of gases and particulates covering areas such as gas laws, sedimentation, absorption, adsorption, impaction, colloids --their charges and neutralization; particle counting and sizing; analytical chemical principles and methodology. Laboratory experiments include West-Gaeke sulfur dioxide analysis, analysis of organic and inorganic fractions from Hi-Vol sampler, analysis of ambient oxidants, analysis of ambient carbon monoxide and others. Lecture one hour a week; laboratory three hours a week. Two semester hours. \$4 laboratory fee.
6325. Survey Research in the Health Sciences. --An overview of the major types of surveys employed in the health field. Emphasis will be on the utility of various survey approaches in different research settings. Special emphasis will be placed on the use of survey data in health resource planning. Lecture three hours a week. Three semester hours.
6326. Medical Care Organization. --A survey of the existing forms of organizations presently employed in the delivery of health care in the United States. Special attention is paid to the strengths and weaknesses of present

organizational forms with emphasis on the development of alternatives for future systems of delivery. Lecture three hours a week. Three semester hours.

Substitute the following Calendar for the fiscal years 1973-1974 and 1974-1975:

	<u>1973-1974</u>	<u>1974-1975</u>
First Semester	9- 4-73 - 12-14-73	9- 3-74 - 12-13-74
Second Semester	1- 2-74 - 4-11-74	1- 6-75 - 4-18-75
Third Semester	4-22-74 - 8- 2-74	4-21-75 - 8- 1-75

1973

August	30-31	Thursday, Friday. Registration for First Semester.
September	4	Tuesday. Instruction begins at 8:00 a.m.
September	5	Wednesday. Final day students may register for First Semester.
November	21	Wednesday. Thanksgiving recess begins at 5:00 p.m.
November	26	Monday. Instruction resumes at 8:00 a.m.
November	30	Friday. Deadline for submission of theses and dissertations for December completion.
December	13	Thursday. Registration for Second Semester.
December	14*	Friday. First Semester ends at 5:00 p.m.
December	18	Tuesday. Final grades due in Registrar's Office.

1974

January	2	Wednesday. Second Semester begins at 8:00 a.m.
January	3	Thursday. Final day students may register for Second Semester.
March	29	Friday. Deadline for submission of theses and dissertations for April completion.
April	10	Wednesday. Registration for Third Semester.
April	11*	Thursday. Second Semester ends at 5:00 p.m.
April	22	Monday. Third Semester begins at 8:00 a.m.
April	23	Tuesday. Final day students may register for Third Semester. Final grades for Second Semester due in Registrar's Office.
May	1	Wednesday. Deadline for submission of theses and dissertations for June graduation.
June	2	Sunday. Honors Convocation 2:00 p.m., Commencement Exercises 8:00 p.m.
July	4	Thursday. Independence Day. All classes suspended.
July	19	Friday. Deadline for submission of theses and dissertations for August completion.
August	2	Friday. Third Semester ends at 5:00 p.m.
August	6	Tuesday. Final grades for Third Semester due in Registrar's Office.

*Students who are certified for graduation December 14, 1973 or April 11, 1974, may participate in the Commencement Exercises scheduled for June 2, 1974.

1974

August	29-30	Thursday. Friday. Registration for First Semester.
September	3	Tuesday. Instruction begins at 8:00 a.m.
September	4	Wednesday. Final day students may register for First Semester.
November	27	Wednesday. Thanksgiving recess begins at 5:00 p.m.
November	30	Friday. Deadline for submission of theses and dissertations for December completion.
December	2	Monday. Instruction resumes at 8:00 a.m.
December	12	Thursday. Registration for Second Semester.
December	13*	Friday. First Semester ends at 5:00 p.m.
December	17	Tuesday. Final grades due in Registrar's Office.

1975

January	6	Monday. Second Semester begins at 8:00 a.m.
January	7	Tuesday. Final day students may register for Second Semester.
April	4	Friday. Deadline for submission of theses and dissertations for April completion.
April	17	Thursday. Registration for Third Semester.
April	18*	Friday. Second Semester ends at 5:00 p.m.
April	21	Monday. Third Semester begins at 8:00 a.m.
April	22	Tuesday. Final day students may register for Third Semester. Final grades for Second Semester due in Registrar's Office.
May	1	Thursday. Deadline for submission of theses and dissertations for June graduation.
June	1	Sunday. Honors Convocation 2:00 p.m., Commencement Exercises 8:00 p.m.
July	4	Friday. Independence Day. All classes suspended.
July	18	Friday. Deadline for submission of theses and dissertations for August completion.
August	1	Friday. Third Semester ends at 5:00 p.m.
August	5	Tuesday. Final grades for Third Semester due in Registrar's Office.

*Students who are certified for graduation December 13, 1974 or April 18, 1975, may participate in the Commencement Exercises scheduled for June 1, 1975.

41

CHANGES IN THE 1973-74 PERSONNEL PAY PLAN: With the concurrence of the System Personnel Director and the Deputy Chancellor for Administration, I recommend approval of the following changes in the 1973-74 Personnel Pay Plan, effective September 1, 1973:

1. Add the following positions to our 1973-74 Personnel Pay Plan:

<u>Code</u>	<u>Title</u>	<u>Monthly</u>	<u>Annual</u>
1666	Chief Pulmonary Technologist	\$859-1159	\$10,308-13,908
1667	Pulmonary Technologist II	\$636- 859	\$ 7,632-10,308
1668	Pulmonary Technologist I	\$595- 804	\$ 7,140- 9,648
1669	Pulmonary Technician	\$398- 538	\$ 4,776- 6,456
1688	Heart-Lung Technician II	\$703- 918	\$ 8,436-11,016
9158	Assistant Fiscal Officer	\$831-1084	\$ 9,972-13,008
9185	Supervisor, Fiscal Records	\$520- 703	\$ 6,240- 8,436

2. Increase, by one step, the maximum of the salary range of the following positions:

<u>Code</u>	<u>Title</u>	<u>Monthly</u>	<u>Annual</u>
1059	Staff Nurse	\$703-1084	\$ 8,436-13,008
1273	Respiratory Therapy Technician III	\$520- 658	\$ 6,240- 7,896
1636	Cytotechnologist II	\$636- 859	\$ 7,632-10,308
1692	Assistant Supervisor, Central Supply	\$455- 615	\$ 5,460- 7,380
4331	Engineering Technician III	\$859-1159	\$10,308-13,908
4421	Research Technician	\$615- 888	\$ 7,380-10,656
4481	Laboratory Technical Assistant II	\$440- 615	\$ 5,280- 7,380
6454	Stores Clerk I	\$360- 486	\$ 4,320- 5,832
6505	Laundry Supervisor	\$503- 703	\$ 6,036- 8,436
8547	Audio-Visual Equipment Technician I	\$360- 486	\$ 4,320- 5,832
8818	Medical Photographer I	\$556- 752	\$ 6,672- 9,024
8850	Photographic Technician III	\$636- 859	\$ 7,632-10,308
8860	Photography Assistant	\$360- 486	\$ 4,320- 5,832
9019	Administrative Assistant II	\$831-1159	\$ 9,972-13,908
9053	Clerk-Typist II	\$440- 615	\$ 5,280- 7,380
9171	Accounting Clerk II	\$470- 703	\$ 5,640- 8,436

3. Increase, by two steps, the maximum of the salary range of the following positions:

<u>Code</u>	<u>Title</u>	<u>Monthly</u>	<u>Annual</u>
1070	Operating Room Technician	\$470- 752	\$ 5,640- 9,024
1073	Vocational Nurse	\$470- 752	\$ 5,640- 9,024
1087	Hospital Aide I	\$360- 486	\$ 4,320- 5,832
1107	Radiologic Technologist Supervisor	\$778-1048	\$ 9,336-12,576
1110	Radiologic Technologist II	\$680- 918	\$ 8,160-11,016
1172	Nuclear Medicine Assistant	\$360- 486	\$ 4,320- 5,832
1174	X-Ray Technician Assistant II	\$398- 538	\$ 4,776- 6,456
1175	X-Ray Technician Assistant I	\$360- 486	\$ 4,320- 5,832
1229	Physical Therapy Aide	\$360- 486	\$ 4,320- 5,832
1239	Occupational Therapy Aide	\$360- 486	\$ 4,320- 5,832
1274	Respiratory Therapy Technician II	\$412- 595	\$ 4,944- 7,140
1275	Respiratory Therapy Technician I	\$360- 486	\$ 4,320- 5,832
1290	Therapeutic Activities Specialist	\$680- 918	\$ 8,160-11,016
1422	Pharmacy Technician	\$360- 486	\$ 4,320- 5,832
9077	Clerk I	\$360- 486	\$ 4,320- 5,832
9085	Mail Clerk I	\$360- 486	\$ 4,320- 5,832
9170	Accounting Clerk III	\$595- 778	\$ 7,140- 9,336
9172	Accounting Clerk I	\$412- 595	\$ 4,944- 7,140
9607	Assistant Purchasing Director	\$859-1198	\$10,308-14,376

CHANGES IN THE 1973-74 PERSONNEL PAY PLAN - continued

4. Increase, by two steps, the maximum of the salary range of the following positions:

<u>Code</u>	<u>Title</u>	<u>Monthly</u>	<u>Annual</u>
1691	Supervisor, Central Supply	\$520-778	\$6,240- 9,336
1695	Supervisor, Transportation and Equipment	\$520-778	\$6,240- 9,336
4482	Laboratory Technical Assistant I	\$360-503	\$4,320- 6,036
5439	Laborer II	\$412-615	\$4,944- 7,380
9031	Unit Manager I	\$595-859	\$7,140-10,308
9040	Secretary III	\$556-804	\$6,672- 9,648
9052	Clerk-Typist III	\$556-804	\$6,672- 9,648

5. Increase, by four steps, the maximum of the salary range of the following position:

<u>Code</u>	<u>Title</u>	<u>Monthly</u>	<u>Annual</u>
9054	Clerk-Typist I	\$385-538	\$4,620-6,456

6. Decrease, by one step, the maximum of the salary range of the following positions:

<u>Code</u>	<u>Title</u>	<u>Monthly</u>	<u>Annual</u>
1020	Nursing Supervisor	\$918-1325	\$11,016-15,900
1030	Head Nurse	\$831-1198	\$ 9,972-14,376
1037	Research Nurse	\$703-1014	\$ 8,436-12,168
4385	Electron Microscopy Technician (Trainee)	\$360-486	\$ 4,320- 5,832

7. Decrease, by two steps, the maximum of the salary range of the following position:

<u>Code</u>	<u>Title</u>	<u>Monthly</u>	<u>Annual</u>
1021	Assistant Nursing Supervisor	\$859-1239	\$10,308-14,868

AWARD OF CONTRACT TO THE ATLAS DEMOLITION COMPANY FOR DEMOLITION OF THE OLD ADMINISTRATION BUILDING AND THE RESEARCH COMPUTATION CENTER BUILDING:
It is respectfully recommended that a demolition contract be awarded to the low bidder, Atlas Demolition Company, P. O. Box 865, Houston, Texas, in the amount of \$36,733.00, for demolition of the old Administration Building and the Research Computation Center Building. Funds for this work are to come from the Medical Branch Unexpended Plant Funds - Project Allocation.

200

11

1973-74 HOLIDAY AND VACATION SCHEDULE: In accordance with the State Appropriations Bill which provides for a total of 13 specified holidays, plus two (2) working days at Christmas, and for a maximum of $10\frac{1}{2}$ working days of vacation allowance for employees of the State, the following vacation and holiday schedule is recommended for all employees of The University of Texas Medical Branch at Galveston for the 1973-74 fiscal year:

Labor Day	Monday	September 3, 1973
Thanksgiving Day	Thursday	November 22, 1973
Thanksgiving Holiday	Friday	November 23, 1973
Christmas Holiday	Monday	December 24, 1973
Christmas Day	Tuesday	December 25, 1973
Christmas Holiday	Wednesday	December 26, 1973
New Year's Day	Tuesday	January 1, 1974
Easter Holiday ($\frac{1}{2}$ day)	Friday Afternoon	April 12, 1974
Memorial Day	Monday	May 27, 1974
Independence Day	Thursday	July 4, 1974
Lyndon B. Johnson's Birthday	Tuesday	August 27, 1974

Four and one-half ($4\frac{1}{2}$) additional State Legal Holidays not observed by The University of Texas Medical Branch at Galveston will be added to the statutory allowance to provide a total of 15 working days annual leave for 1973-74 which has been the practice for a number of years.

The Appropriations Bill also provides that State employees with long term service shall accrue vacation in accordance with the following schedule:

	<u>Hours Accrued</u> <u>Per Month</u>	<u>Days Accrued</u> <u>Per Year</u>
Employees with 15 years, but less than 20 years	10	15
Employees with 20 years and over	14	21

Therefore, with the addition of the $4\frac{1}{2}$ days mentioned above, the employees of the Galveston Medical Branch who have completed 15 years State employment shall be entitled to $19\frac{1}{2}$ working days, and employees who have completed 20 years State employment shall be entitled to $25\frac{1}{2}$ working days annual leave for 1973-74.

THE JAMES W. MCLAUGHLIN FELLOWSHIP FUND: On the recommendation of the Medical Branch McLaughlin Committee for the James W. McLaughlin Fellowship Fund, approval is requested for the following recommendations:

1. Renew the McLaughlin Predoctoral Fellowship to Mr. Nick C. Trippodo, for the period August 1, 1973 through July 31, 1974, to include:

Stipend (Wife, 2 children) (Subject to income tax regulations)	\$4,400.00
Maintenance and Operation	500.00
Travel	<u>300.00</u>
Total	<u>\$5,200.00</u>

11/1/74

THE JAMES W. McLAUGHLIN FELLOWSHIP FUND - continued

2. Renew the McLaughlin Predoctoral Fellowship to Miss Aurea Esther Flores, for the period August 1, 1973 through July 31, 1974, to include:

Stipend	\$3,600.00
(Subject to income tax regulations)	
Maintenance and Operation	500.00
Travel	<u>300.00</u>
Total	<u>\$4,400.00</u>

3. Increase the stipend of The James W. McLaughlin Predoctoral Fellowship for Mr. J. Glenn Songer from \$3,600.00 to \$4,000.00 (\$400.00 dependency allowance) effective August 13, 1973. Mr. Songer was married on May 18, 1973, and returned from his summer leave of absence on August 13, 1973, the date his fellowship will resume until August 31, 1973. (Mr. Songer's McLaughlin Predoctoral Fellowship Award was reported in the Board of Regents' Minutes of October 20, 1972, Item #6, Page G-4).

D & F

GIFTS: In compliance with Section 1, Subsection 1.3, of Chapter I of Part Two of the Rules and Regulations of the Board of Regents of The University of Texas System, I recommend approval for the acceptance of the following gifts:

<u>Donor and Address</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. Harris and Eliza Kempner Fund P. O. Box 119 Galveston, Texas	Represents the 1973-74 Jeane B. Kempner Fellowship Award. (The Jeane B. Kempner Scholarship Fund was established in 1957 - Board of Regents' Minutes of October 10-11, 1957, Page 15).	\$ 9,300.00
2. Mr. James C. Storm 900 State National Bldg. Corpus Christi, Texas	For support of research and development in the Marine Biomedical Institute. Funds deposited in a Current Restricted Account; expenditures authorized by Dr. W. Maurice Ewing, Chief, Earth and Planetary Sciences, or Dr. J. Lamar Worzel, Deputy Chief, Earth and Planetary Sciences, or Mr. John L. Burr, Fiscal Officer, The Marine Biomedical Institute.	\$10,000.00
3. Dr. Jim M. Vaughn 830 South Beckman Ave. Tyler, Texas	For support of the UTMB Advisory Development Council. Funds deposited in the existing Current Restricted Account entitled UTMB Advisory Development Council.	\$10,000.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is respectfully requested for the acceptance of the following grants and contracts:

1. American Heart Association
Bay Area Chapter
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766

\$4,000

July 1, 1973 through June 30, 1974

Research Project - Hydroxycholesterol Derivatives in the

Human Aorta

Dr. Leland L. Smith

2. American Heart Association
Bay Area Chapter
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766

\$2,500

July 1, 1973 through June 30, 1974

Research Project - Pregnant Adolescent's Mandatory Cardiac Reserve

Dr. Quang X. Nghiem

3. American Heart Association
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766

\$2,723

July 1, 1973 through June 30, 1974

Research Grant - Calcium in Pathologic Heart Growth

Dr. Louis A. Sordahl

4. American Heart Association
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766

\$6,200

July 1, 1973 through June 30, 1974

Research Project - LV Cardiomyopathy Model for Exercised Hamsters

Dr. Leonard C. Harris

5. American Heart Association
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766

\$2,454

July 1, 1973 through June 30, 1974

Research Project - Diving Reflex: Its Central Mechanisms in the Cat

Dr. Eberhardt K. Sauerland

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

6. American Heart Association
Texas Affiliate, Inc.
P. O. Box 9928
Austin, Texas 78766
- July 1, 1972 through October 31, 1973
Research Project - Myocardial Infarct Scanning with Potassium-43
Dr. Ralph J. Gorten
This grant is extended for four months without additional funds.
7. Burroughs Wellcome Company
% Health Sciences Associates, Inc.
P. O. Box 30157
Bethesda, Maryland 20014
- \$30,000
Research Project - Clinical Study of Septra
Dr. Byron J. Bailey
8. Eli Lilly and Company
Indianapolis, Indiana 46206
- \$2,400
A study to determine the source, frequency, and antimicrobial sensitivities of all bacterial isolates in The University of Texas Medical Branch Hospitals.
Dr. James C. Guckian
9. The Moody Foundation
704 Moody National Bank Building
Galveston, Texas 77550
- Grant No. 73-41
\$18,800
July 1, 1973 through June 30, 1974
To assist The University of Texas Medical Branch in the expansion of its computer aided instruction system.
Dr. Charles H. Wells, III
10. Ortho Research Foundation
Raritan, New Jersey
- \$17,585
June 1, 1973 through May 31, 1974
Research Project - Immunoassay of Hypercoaguable States Applicable to Women on Oral Contraceptives
Dr. James P. Chen
Letter of May 16, 1973 and letter of June 12, 1973 transmitting a check in the amount of \$8,792 representing first payment of an award of \$17,585 for the third year of the grant.

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL) - continued

11. Sandoz-Wander, Inc.
E. Hanover, New Jersey 07936

\$2,400

Research Project - Study the Comparison of Thioridazine and Chlordiazepoxide for Treatment of Anxiety and Depression in Alcoholic Patients
Dr. John E. Overall

12. E. R. Squibb & Sons, Inc.
Worldwide Headquarters
P. O. Box 4000
Princeton, New Jersey 08540

\$2,500

Research Project - Investigation of Renografin 76% as a Nephrographic Agency
Dr. Robert N. Cooley

13. Southern Medical Association
2601 Highland Avenue
Birmingham, Alabama 35205

\$1,000

July 1, 1973 through July 1, 1974
Research Project - Cystourethrography Using Tantalum Powder as the Contrast Agency
Dr. James W. Cowan

DFE

GRANTS, CONTRACTS AND AGREEMENTS (STATE):

1. Lease Agreement No. UMED-6096L issued by the State Board of Control to The Sealy & Smith Foundation, 200 University Boulevard, Galveston, Texas, for leasing a maximum of 38,687 square feet of space by The University of Texas Medical Branch at Galveston in The Sealy & Smith Professional Building, for the period September 1, 1973 through August 31, 1977, at a monthly rate of Fifteen Thousand Five Hundred Seventy Six Dollars and Eighty Cents (\$15,576.80). This lease agreement has been approved by the Comptroller and the Deputy Chancellor for Administration, The University of Texas System. *450*

2. Amendment No. 2 to Interagency Cooperation Contract between the Regional Medical Program of Texas (Receiving Agency) and The University of Texas Medical Branch at Galveston (Performing Agency) which provides for the transfer of \$300.00 from the Supplies Account to the Contractual Services (Photography) Account. These funds are needed to complete the project for assembling a reference document of Texas botanical and zoological toxicity problems in a format suitable for publication. The amendment was signed on behalf of The University of Texas Medical Branch at Galveston by Mr. V. E. Thompson, Vice President for Business and Hospital Affairs. The amendment was signed on behalf of the Regional Medical Program of Texas, The University of Texas System, by Mr. R. L. Anderson, Comptroller.

GRANTS, CONTRACTS AND AGREEMENTS (STATE) - continued

3. Interagency Cooperation Contract No. IAC (72-73)-1205 between the Texas Historical Survey Committee (Texas Antiquities Committee), and the Marine Biomedical Institute, The University of Texas Medical Branch at Galveston, Flower Garden Ocean Research Center, wherein the Texas Historical Survey Committee (Texas Antiquities Committee) provides \$5,102.00, for the period June 1, 1973 through August 31, 1973, for support of the Undersea Archeological Excavations on the Texas Coast - Summer 1973. The contract was signed on behalf of The University of Texas Medical Branch at Galveston by Mr. V. E. Thompson, Vice President for Business and Hospital Affairs. The contract was signed by the State Board of Control on May 29, 1973.
4. Interagency Cooperation Contract No. IAC(74-75)-003 between The University of Houston, Department of Speech, and The University of Texas Medical Branch at Galveston, Department of Otolaryngology, Division of Audiology and Speech Pathology, wherein the University of Houston provides \$5,000.00, for the period September 1, 1973 through August 31, 1974, for the services of the Galveston Medical Branch to provide clinical practice and academic training in the field of audiology for graduate students pursuing the Master's Degree. The contract was signed on behalf of The University of Texas Medical Branch at Galveston by Mr. V. E. Thompson, Vice President for Business and Hospital Affairs. The contract was signed by the State Board of Control on June 6, 1973.
5. Interagency Cooperation Contract No. IAC(74-75)-002 between the Texas Rehabilitation Commission and The University of Texas Medical Branch at Galveston, wherein the Texas Rehabilitation Commission provides \$9,750.00, for the period September 1, 1973 through August 31, 1974, for three (3) advanced courses of three consecutive days each for instruction of about 150 employees of the Commission in Orthotics and Prosthetics, as related to orthopedic, cardiovascular and renal disabling conditions including provision of instructors, classrooms, books, equipment and all other materials required for the course. The contract was signed on behalf of The University of Texas Medical Branch at Galveston by Mr. V. E. Thompson, Vice President for Business and Hospital Affairs. The contract was signed by the State Board of Control on May 29, 1973.
6. Interagency Cooperation Contract No. IAC(72-73)-1231 between the Texas State Library and The University of Texas Medical Branch at Galveston, by which the Texas State Library provides \$150.00, for the period June 25, 1973 through August 15, 1973, for the extraction of the Library of Congress Catalog Card Numbers from a machine-readable data base. The Medical Branch at Galveston will copy the numbers onto a magnetic tape and mail the data to the Texas State Library. The tape shall be returned to the Galveston Medical Branch. The contract was signed on behalf of The University of Texas Medical Branch at Galveston by Mr. V. E. Thompson, Vice President for Business and Hospital Affairs. The contract was signed by the State Board of Control on June 14, 1973.
7. Interagency Cooperation Contract No. IAC(72-73)-1270 between The University of Texas at Arlington and The University of Texas Medical Branch at Galveston, by which The University of Texas Medical Branch at Galveston provides \$2,500.00, for the period July 5, 1973 through August 31, 1975, for the rental of 16mm educational motion picture films and other instructional materials. The contract was signed on behalf of The University of Texas Medical Branch at Galveston by Mr. V. E. Thompson, Vice President for Business and Hospital Affairs. The contract was signed by the State Board of Control on July 5, 1973.

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONFEDERAL CONTRACTS AND GRANTSBOARD OF REGENTS' MEETING SEPTEMBER 14, 1973

1. Department of Health, Education, and Welfare
National Institutes of Health
Bureau of Health Manpower Education

Research Grant No. 5 D08 PE 00131-04
\$230,439
July 1, 1973 through June 30, 1974
Health Professions Special Project Program. This grant provides funds to increase enrollment in the School of Medicine, partially support the Family Medicine Program, and partially support the Office of Medical Education.
Dr. Joseph M. White
This is the fourth year of a continuing project.
Galveston County

2. Department of Health, Education, and Welfare
National Institutes of Health
Bureau of Health Manpower Education

Research Grant No. 5 E03 PE 00170-08
\$1,441,435
July 1, 1973 through June 30, 1974
Health Professions Capitation Grant Program. This grant provides funds to improve the medical school curriculum and increase enrollment.
Dr. Joseph M. White
This is the eighth year of a continuing program.
Galveston County

3. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Allergy and Infectious Diseases

Research Grant No. 5 R01 AI 08941-03
June 1, 1973 through May 31, 1974
Metabolic Changes in Lethal Bacterial Infections. This study will explore the role of pneumococci in intravascular coagulation.
Dr. James C. Guckian
This is an extension of the grant period for one (1) additional year without additional funds.
Galveston County

4. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Arthritis, Metabolism and Digestive Diseases

Research Grant No. 5 T01 AM05208-14
\$25,084
July 1, 1973 through June 30, 1974
Hematology Training Grant
Dr. William C. Levin
This is the fourteenth year of a continuing grant.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

5. Department of Health, Education, and Welfare
National Institutes of Health
National Heart and Lung Institute

Research Grant No. 5 R01 HL 14530-02
June 1, 1971 through May 31, 1973
Fluid Dynamics of Cardiac Valvular Action
Dr. Richard T. Padula
Three (3) year renewal award which negates need for previous extension of the 02 year.
Galveston County

6. Department of Health, Education, and Welfare
National Institutes of Health
National Heart and Lung Institute

Research Grant No. 2 R01 HL 14530-03
\$26,450 plus indirect costs
June 1, 1973 through May 31, 1974
Fluid Dynamics of Cardiac Valvular Action. The information acquired from these studies will be used in the modification of existing artificial valves and in the design of completely new ones.
Dr. Richard T. Padula
This is the first grant year of a three (3) year renewal project.
Galveston County

7. Department of Health, Education, and Welfare
National Institutes of Health
National Heart and Lung Institute

Research Grant No. 1 R01 HL 15737-01
\$31,124 plus applicable indirect costs
June 20, 1973 through May 31, 1974
The Nature and Treatment of Endotoxic Shock. This project will seek to determine the nature and treatment of endotoxic shock in sheep.
Dr. Daniel L. Traber
This is the first year of a new project.
Galveston County

8. Department of Health, Education, and Welfare
National Institutes of Health
National Heart and Lung Institute

Research Grant No. 5 T01 HL 05940-03
\$41,241
July 1, 1973 through June 30, 1974
Training Grant in Clinical Cardiology
Dr. John F. Williams, Jr.
This is the third year of an on-going program.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

9. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Child Health and Human Development
- Research Grant No. 5 T01 HD 00267-05
\$32,537
July 1, 1973 through June 30, 1974
Training Grant for Academic Pediatrics
Dr. Charles W. Daeschner
This is the fifth year of a continuing training grant.
Galveston County
10. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Child Health and Human Development
- Modification No. 1 to Contract NIH-NICHD-72-2728 (N01-HD-2-2728)
\$114,600
June 30, 1973 through June 29, 1974
To Study Endogenous and Exogenous Sex Steroids and Nutritional Status
Dr. William J. McGanity
This is a renewal of an ongoing project. The estimated contract costs are increased by \$114,600 making the total estimated cost \$225,525.
Galveston County
11. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Neurological Diseases and Stroke
- Research Grant No. 2 T01 NS 05755-07 (Formerly NS10049)
\$15,743
July 1, 1973 through June 30, 1974
Neurology Training Grant
Dr. John R. Calverley
This is the seventh year of a continuing training grant.
Galveston County
12. Department of Health, Education, and Welfare
National Institutes of Health
National Library of Medicine
- Research Grant No. 5 G04 LM 01152-03
\$20,894
June 1, 1973 through May 31, 1974
Regional Medical Library Grant. Funds from this grant are used by UTMB to provide extension service to hospital libraries throughout Northeast Texas.
Mr. C. Lee Jones
This is the third and final year of the grant.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

13. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
- Modification No. 3 to Contract No. HSM 110-71-195
Chronic Home Dialysis Program
Dr. T. G. Blocker, Jr.
This modification provides for change in indirect costs rate.
Galveston County
14. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
- Modification No. 4 to Contract No. HSM 110-71-195
Chronic Home Dialysis Program
Dr. T. G. Blocker, Jr.
This modification designates Jimmy Roberts, M.D., as
Project Officer.
Galveston County
15. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
Maternal and Child Health Service
- Revision No. 1 to Project No. 240
July 1, 1972 through June 30, 1973
Training Grant - Interdisciplinary Health Services for
the Handicapped
Dr. ArrNell Boelsche
This revision covers reallocation of funds. The approved
award remains \$183,417.
Galveston County
16. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
Maternal and Child Health Service
- Research Grant No. MCT-000240-08-0 (Formerly Project 240)
\$183,417
July 1, 1973 through June 30, 1974
Training Grant - Interdisciplinary Health Services for
the Handicapped
Dr. ArrNell Boelsche
This is the first year of a two year renewal grant.
Galveston County
17. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
Maternal and Child Health Service
- Research Grant No. MCT-000409-11-0 (Formerly Project 409)
\$98,559
July 1, 1973 through June 30, 1974
Research Project - The Relationship of Genetic Studies to
Management of Children with Mental Retardation
Dr. Charles W. Daeschner
This is the first year of a three year renewal grant.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

18. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
National Institute of Mental Health
- Research Grant No. 5 T01 MH 08084-11
\$77,578
July 1, 1973 through June 30, 1974
Child Psychiatry Training Grant
Dr. Lawrence G. Hornsby
This is the eleventh year of a continuing project.
Galveston County
19. Department of Health, Education, and Welfare
Health Services and Mental Health Association
National Institute of Mental Health
- Research Grant No. 5 T01 MH 07631-13
\$26,908
July 1, 1973 through June 30, 1974
Clinical Psychology Internship Training Grant
Dr. Harold A. Goolishian
This is the thirteenth year of a continuing project.
Galveston County
20. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Mental Health
- Research Grant No. 2 R01 MH 14675-06 (Revised)
\$93,704
May 1, 1973 through April 30, 1974
Clinical Psychopharmacology Computer Laboratory. This grant supports the operation of a computer facility to evaluate drug therapy in psychiatric patients.
Dr. John E. Overall
This Notice of Grant Awarded supersedes award dated April 10, 1973.
Galveston County
21. National Aeronautics and Space Administration
- Modification No. 5S to Contract NAS 9-11088
\$30,816
October 1, 1972 through September 30, 1974
Man's Immunity-In Vitro Aspects. This contract will acquire data that will add to the findings of Skylab biomedical experiments to yield a greater comprehension of the effects of space travel on man.
Dr. Stephan E. Ritzmann
This modification increases the contract award in the amount of \$30,816, making the total estimated cost of the contract \$316,299. There is no change in the performance period of the contract.
Galveston County (60%); Harris County (40%)

FEDERAL CONTRACTS AND GRANTS - continued

22. Department of Defense
 Department of the Navy
 Office of Naval Research
- Modification No. P00007 to Contract N00014-68-A-0105
Basic Navy Contract
 Dr. T. G. Blocker, Jr.
 This modification covers revision of certain clauses in the General Provisions of the contract.
 Galveston County
23. Department of Defense
 Department of the Navy
 Office of Naval Research
- Research Contract No. N00014-68-A-0105-0005
 \$30,000
 April 1, 1973 through March 31, 1974
Incised Canyons on Campeche Scarp. This contract is to conduct research on the structure and configuration of submarine canyons off the Campeche escarpment, Gulf of Mexico, with emphasis on the geomorphology and sedimentary structures and acoustic properties of these canyons.
 Dr. J. Lamar Worzel
 This is a new contract award.
 Galveston County
24. Department of Health, Education, and Welfare
 National Institutes of Health
 National Institute of Allergy and Infectious Diseases
- Modification No. 5 to Contract No. NIH-69-831
 March 27, 1969 through April 30, 1973
Arrange and Administer Four (4) Conferences Concerning Cholera Toxin
 Dr. W. F. Verwey
 This modification amends indirect cost provision in subject contract and all previous modifications thereto.
 Galveston County
25. Department of Health, Education, and Welfare
 National Institutes of Health
 National Institute of Dental Research
- Research Grant No. 5 R01 DE 02987-04
 June 1, 1972 through May 31, 1974
Development of the Tongue and Palate in Mice
 Dr. Lawrence M. Ross
 This is an extension of the grant period for one (1) additional year without additional funds.
 Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

26. Department of Health, Education, and Welfare
National Institutes of Health
National Institute of Mental Health
- Research Grant No. 1 R01 DA 00467-01 (Formerly MH23436)
\$58,888
June 1, 1973 through May 31, 1975
Marijuana: Effects of Chronic Use on Primate Sleep
Dr. Perrie M. Adams
This is a new award for a two (2) year period.
Galveston County
27. Department of Health, Education, and Welfare
National Institutes of Health
Bureau of Health Manpower Education
- Award No. 1 7 53 9013 09 1
\$289,438
Loan - July 1, 1973 through June 30, 1974
Scholarships - July 1, 1973 through June 30, 1975
Health Professions Student Assistant Programs
Mr. Gene Powell, Coordinator
This award covers additional funds for the Student Loan
and Scholarship programs.
Galveston County
28. Department of Health, Education, and Welfare
Health Services and Mental Health Administration
National Institute of Mental Health
- Research Grant No. 5 T01 MH 06527-17
\$152,075
July 1, 1973 through June 30, 1974
Basic Psychiatry Residency Training Grant
Dr. Hamilton F. Ford
This is the seventeenth year of a continuing project.
Galveston County
29. National Aeronautics and Space Administration
- Modification No. 6S to Contract No. NAS 9-13143
August 7, 1972 through October 31, 1974
Passive Lunar Seismic Experiment. This contract provides
technical support to NASA in evaluating seismic data on
moonquakes.
Dr. Gary V. Latham
This modification is a technical amendment to Article XVIII
of the contract. There is no change to the total contract award
or performance period.
Galveston County

FEDERAL CONTRACTS AND GRANTS - continued

30. National Aeronautics and Space Administration
 The Board of Trustees of the Leland Stanford Junior University
- Amendment No. 1 to Stanford University Subcontract No. PR 1658
 under NASA Contract No. NAS 9 5632
 \$9,750
 March 1, 1973 through December 31, 1973
 This is a subcontract for the Seismic Profiling Experiment for Apollo Lunar Surface Experiment Package (ALSEP). The University of Texas Medical Branch at Galveston will analyze data for this project.
 Dr. Joel S. Watkins
 This amendment increases the estimated cost by \$9,750 to a new total of \$15,000 and extends the performance period through December 31, 1973.
 Galveston County
31. National Aeronautics and Space Administration
- Research Contract No. NAS 9-13605
 \$20,000
 July 1, 1973 through August 31, 1974
Development of Procedures for Assay of Biological Samples. This is a study for quantification of the proteins which bind specific hormones.
 Dr. Stephan E. Ritzmann
 This is a new contract award for a fourteen month period.
 Galveston County

THE UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTONAMENDMENTS TO THE 1972-73 OPERATING BUDGETBOARD OF REGENTS' MEETING SEPTEMBER 14, 1973INSTRUCTION AND DEPARTMENTAL OPERATIONSAnatomy

1. Change the status of Dr. Richard E. Coggeshall (Tenure), Professor, from full-time at a salary rate of \$31,900 for twelve months to part-time, without salary, effective July 1, 1973. Dr. Coggeshall also serves as Chief, Ultrastructure Section at a salary rate of \$31,900 in The Marine Biomedical Institute. (RBC 502)

Anesthesiology

2. Correct the effective date of the appointment of Dr. Jacqueline P. Bottome (Non-Tenure), Assistant Professor at a salary rate of \$20,000 for twelve months, to read May 28, 1973 instead of April 1, 1973. (RBC 512)

3. Appoint Dr. Thomas J. Herrin (Non-Tenure) as Clinical Instructor (part-time) at a salary of \$2,400 for twelve months, effective July 5, 1973. Funds needed are to come from Professional Fees - Anesthesiology. (RBC 522)

4. Appoint Dr. Charles L. Danner (Non-Tenure) as Clinical Instructor (part-time), without salary, effective July 1, 1973. (RBC 565)

5. Appoint Dr. Eugene H. Flewellen, III (Non-Tenure) as Clinical Instructor (part-time), without salary, effective July 1, 1973. (RBC 584)

Dermatology

6. Appoint Dr. Prapand Apisarinthanarax (Non-Tenure) as Assistant Professor at a salary rate of \$23,000 for twelve months, effective July 1, 1973. Funds needed are to come from the Departmental teaching salaries budget. (RBC 505)

Human Biological Chemistry and Genetics

7. Increase the salary rate of Dr. Louis A. Sordahl (Tenure), Associate Professor, from \$24,000 to \$25,000 for twelve months, effective June 1, 1973. Additional funds needed are to come from Unallocated Appropriations - Instructional. (RBC 500)

8. Appoint Dr. Irvin R. Schmoyer (Non-Tenure) as Visiting Assistant Professor (part-time), without salary, effective May 21, 1973. (RBC 504)

Internal Medicine

9. Accept the resignation of Dr. Roger W. Kiser (Non-Tenure), Instructor and Chief Resident (part-time) at a salary of \$7,000 for twelve months, effective June 30, 1973. (RBC 511)

10. Change the source of funds for Dr. Edward R. McFadden, Jr. (Tenure), Associate Professor at a salary rate of \$26,500 for twelve months, from \$7,300 from General Budget and \$19,200 from DHEW Grant 5K07-HL-38935-02 to \$6,028 from General Budget and \$20,472 from DHEW Grant 5K07-HL-38935-02, effective June 1, 1973. (RBC 525)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedInternal Medicine - continued

11. Appoint Dr. Robert L. Ward (Non-Tenure) as Instructor and Chief Resident (part-time) at a salary of \$7,000 for twelve months, effective July 1, 1973. Funds needed are to come from the departmental teaching salaries budget. (RBC 586)

12. Appoint Dr. William H. Hulet (Non-Tenure) as Professor (part-time), without salary, effective July 1, 1973. Dr. Hulet also serves as Chief, Marine Medicine Division at a salary rate of \$31,000 for twelve months in The Marine Biomedical Institute. (RBC 588)

Neurology and Psychiatry

13. Accept the resignation of Dr. Patricia L. Bruce, Associate in Psychology at a salary rate of \$6,000 for twelve months, effective June 30, 1973. (RBC 536)

14. Change the status of Dr. Winston L. Martin (Non-Tenure), Clinical Assistant Professor (part-time), from a salary of \$3,000 for twelve months to without salary, effective July 1, 1973. (RBC 540)

15. Change the status of Dr. William W. Bondurant, III (Non-Tenure), Clinical Instructor (part-time), from a salary of \$1,200 for twelve months to without salary, effective July 1, 1973. (RBC 541)

16. Adjust the salary of Dr. Grace K. Jameson (Non-Tenure), Clinical Associate Professor (part-time), from \$3,000 (\$1,200 from General Budget and \$1,800 from DHEW Grant 5T02-MH-06034-17) to \$1,200 for twelve months from General Budget, effective July 1, 1973. (RBC 546)

17. Change the status of Dr. John W. Goodman (Non-Tenure), Clinical Instructor (part-time), from a salary of \$3,000 for twelve months from DHEW Grant 5T01-MH-06034-17, to without salary, effective July 1, 1973. (RBC 549)

18. Change the status of Dr. Manuel C. Ramirez (Non-Tenure), Clinical Instructor, from full-time at a salary rate of \$9,600 (\$6,000 from MSRDP - Neurology and Psychiatry and \$3,600 from DHEW Grant 5T01-MH-06527-16) to part-time at a salary of \$6,000 for twelve months from MSRDP - Neurology and Psychiatry, effective July 1, 1973. (RBC 550)

19. Adjust the salary of Dr. Eugene C. McDonald, Jr. (Non-Tenure), Clinical Professor (part-time), from \$8,300 (\$6,000 from General Budget and \$3,300 from DHEW Grant 5T01-MH-06527-16) to \$6,000 from General Budget, effective July 1, 1973. (RBC 551)

20. Adjust the salary of Dr. Martin L. Towler (Non-Tenure), Clinical Professor (part-time), from \$6,500 (\$5,000 from DHEW Grant 5T02-MH-06034-17 and \$1,500 from General Budget) to \$1,500 for twelve months from General Budget only, effective July 1, 1973. (RBC 553)

21. Adjust the salary of Dr. Marshall L. Fowler (Non-Tenure) Clinical Associate Professor (part-time) from \$6,000 (\$4,800 from DHEW Grant 5T01-MH-06527-16 and \$1,200 from General Budget) to \$1,200 for twelve months from General Budget only, effective July 1, 1973. (RBC 555)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedNeurology and Psychiatry - continued

22. Accept the resignation of Dr. Leonard R. Carney (Non-Tenure), Assistant Professor - Neurology at a salary rate of \$23,000 for twelve months, effective June 30, 1973. (RBC 558)

23. Accept the resignation of Dr. Robert F. Baxter (Non-Tenure), Assistant Professor at a salary rate of \$21,000 for twelve months, effective June 30, 1973. (RBC 562)

24. Change the status of Dr. William I. Kracke (Non-Tenure), Instructor, from part-time at a salary of \$8,100 to full-time at a salary rate of \$18,000 for twelve months, effective July 1, 1973. Additional funds needed are to come from the departmental teaching salaries budget. (RBC 590)

Obstetrics and Gynecology

25. Appoint Dr. Robert F. Lehman, Jr. (Non-Tenure), as Instructor at a salary rate of \$12,000 for twelve months (\$9,600 from Interagency Contract - State Department of Health and \$2,400 from DHEW Project 06-H-000-084-04-0), effective July 1, 1973. (RBC 577)

26. Appoint Dr. Lillian M. Abbott (Non-Tenure) as Instructor at a salary rate of \$12,000 for twelve months (\$9,600 from Interagency Contract - State Department of Health and \$2,400 from DHEW Project 06-H-000-084-04-0), effective July 1, 1973. (RBC 578)

Otolaryngology

27. Appoint Dr. Ceri M. Griffiths (Non-Tenure) as Assistant Professor at a salary rate of \$24,000 for twelve months, effective May 1, 1973. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 478)

28. Appoint Dr. James T. Love (Non-Tenure) as Assistant Professor at a salary rate of \$23,000 for twelve months, effective June 18, 1973. Funds needed are to come from the departmental teaching salaries budget. (RBC 526)

29. Accept the resignation of Dr. Richard A. Lawrence (Non-Tenure), Assistant Professor at a salary rate of \$27,000 for twelve months (\$26,000 from General Budget and \$1,000 from H. C. Wiess Grant), effective June 30, 1973. (RBC 531)

Pediatrics

30. Accept the resignation of Dr. Marjorie L. Forman (Non-Tenure), Clinical Assistant Professor (part-time), without salary, effective June 30, 1973. (RBC 572)

31. Accept the resignation of Miss Sandra L. Sayers, Associate Project Director, Nutrition at a salary rate of \$13,452 for twelve months, effective July 8, 1973. (RBC 579)

Pharmacology

32. Increase the salary rate of Dr. Bohdan R. Nechay (Tenure), Associate Professor, from \$21,500 to \$23,000 for twelve months, effective May 1, 1973. Additional funds needed are to come from the departmental teaching salaries budget. Dr. Nechay is in the approved budget for \$23,000. (RBC 503)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedRadiology

33. Accept the resignation of Dr. Robert Ring, III (Non-Tenure), Instructor at a salary rate of \$18,000 for twelve months, effective June 30, 1973. (RBC 508)
34. Accept the resignation of Dr. Carol C. Pohl (Non-Tenure), Instructor at a salary rate of \$13,500 for twelve months, effective June 30, 1973. (RBC 509)
35. Accept the resignation of Dr. Joseph A. O'Neill (Non-Tenure), Instructor at a salary rate of \$18,000 for twelve months, effective June 30, 1973. (RBC 510)
36. Change the status of Dr. Andrew D. Suttle, Jr. (Non-Tenure), Professor, from full-time at a salary rate of \$35,000 for twelve months to part-time, without salary, effective June 1, 1973. Dr. Suttle also serves as Professor (part-time), without salary, in the Department of Human Biological Chemistry and Genetics and as Assistant to the Director for Physical Sciences at a salary rate of \$35,000 in The Marine Biomedical Institute. (RBC 515)
37. Appoint Dr. Howell A. Cone (Non-Tenure) as Instructor at a salary rate of \$18,000 for twelve months, effective July 1, 1973. Funds needed are to come from the departmental teaching salaries budget. (RBC 548)
38. Appoint Dr. Roland M. Floyd (Non-Tenure) as Instructor at a salary rate of \$25,500 for twelve months for the period July 1, 1973 through July 22, 1973. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 561)
39. Appoint Dr. Pliny C. Smith (Non-Tenure) as Instructor at a salary rate of \$17,400 for twelve months, effective July 1, 1973. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 567)

Surgery

40. Accept the resignation of Dr. Robert A. Booth, Research Surgeon at a salary rate of \$3,600 for twelve months, effective July 6, 1973. (RBC 532)
41. Delete the name of Dr. Herman A. Barnett (Non-Tenure), Clinical Instructor (part-time), without salary, effective May 27, 1973, the date of his death. (RBC 543)
42. Change the status of Dr. Ted T. Huang (Non-Tenure) from Clinical Instructor (part-time) at a salary of \$6,700 to Assistant Professor (full-time) at a salary rate of \$22,000 for twelve months, effective July 1, 1973. Additional funds needed are to come from the departmental teaching salaries budget. (RBC 560)
43. Appoint Dr. Ben L. Allen, Jr. (Non-Tenure) as Assistant Professor at a salary rate of \$28,000 for twelve months, effective August 1, 1973. Funds needed are to come from the departmental teaching salaries budget. (RBC 564)
44. Appoint Dr. Phillip L. Rayford (Non-Tenure) as Visiting Assistant Professor (part-time), without salary, effective July 1, 1973. (RBC 566)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedSurgery - continued

45. Accept the resignation of Dr. George T. Tindall (Tenure), Professor and Chief at a salary rate of \$32,000 for twelve months, effective August 13, 1973. (RBC 573)

46. Appoint Dr. Frank E. Emery (Non-Tenure) as Assistant Professor at a salary rate of \$24,000 for twelve months, effective July 15, 1973. Funds needed are to come from the teaching salaries budget. (RBC 582)

School of Allied Health Sciences -
Office of the Dean

47. Appoint Miss Mary D. Roberts (Non-Tenure) as Assistant Professor and Chairman at a salary rate of \$13,056 for twelve months, effective July 6, 1973. Funds needed are to come from NIH 72-4391. (RBC 580)

School of Allied Health Sciences -
Health Care Sciences

48. Change the title only of Mr. Robert C. Greaser, from Instructor to Assistant Program Director at the same salary rate of \$14,760 for twelve months, effective June 1, 1973. (RBC 519)

49. Change the title only of Dr. Warren F. Dodge (Tenure) from Associate Professor and Chairman (part-time) to Professor and Chairman (part-time) at the same salary rate of \$6,407 for twelve months, effective June 1, 1973. Dr. Dodge also serves as Professor (part-time) at a salary of \$20,527 in the Department of Pediatrics and at a salary of \$5,100 in the Department of Preventive Medicine and Community Health. Total salary for twelve months, \$32,034. (RBC 556)

School of Allied Health Sciences -
Medical Records Administration

50. Appoint Mrs. Martha L. Spearman (Non-Tenure) as Assistant Professor at a salary rate of \$13,237 for twelve months, effective June 25, 1973. Funds needed are to come from Unallocated Appropriations - Instructional. (RBC 554)

School of Allied Health Sciences -
Occupational Therapy

51. Accept the resignation of Mrs. Susan D. Kessler (Non-Tenure), Instructor (part-time) at a salary of \$6,552 for twelve months (currently on leave of absence without salary), effective May 18, 1973. (RBC 506)

52. Accept the resignation of Mrs. Joy L. Boone (Non-Tenure), Associate Professor at a salary rate of \$12,027 for twelve months, effective June 30, 1973. (RBC 520)

53. Accept the resignation of Miss Inez Huntting (Non-Tenure), Instructor (part-time), without salary, effective June 25, 1973. (RBC 523)

54. Appoint Miss Gretchen M. Schmalz (Non-Tenure) as Associate Professor at a salary rate of \$14,500 for twelve months, effective July 10, 1973. Funds needed are to come from the departmental teaching salaries budget. Miss Schmalz also serves as Associate in Occupational Therapy (part-time), without salary, in Rehabilitation Clinic - Occupational Therapy. (RBC 569)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedSchool of Allied Health Sciences -
Physical Therapy

55. Appoint Mrs. Johanna G. Singer as Adjunct Instructor (part-time), without salary, effective July 1, 1973. (RBC 571)

56. Accept the resignation of Mrs. Susan Dodd, Adjunct Instructor (part-time), without salary, effective June 30, 1973. (RBC 576)

School of Allied Health Sciences -
Associated Health Occupations

57. Accept the resignation of Mrs. Dorothy J. Denn (Non-Tenure), Instructor at a salary rate of \$10,898 for twelve months (\$9,809 from Galveston College Health Occupation Program and \$1,089 from General Budget), effective June 5, 1973. (RBC 533)

58. Appoint Mrs. Anita J. Kirkland (Non-Tenure) as Instructor at a salary rate of \$10,898 for twelve months (\$1,089 from General Budget and \$9,809 from Galveston College Health Occupation Program), effective July 1, 1973. General Budget funds needed are to come from the departmental teaching salaries budget. (RBC 563)

UNIVERSITY HOSPITALSOut-Patient Clinics

59. Accept the resignation of Mr. Charles A. Cole, Manager of Out-Patient Department at a salary rate of \$12,000 for twelve months, effective July 6, 1973. (RBC 557)

Staff Development

60. Accept the resignation of Mr. William H. Lane, Jr., Director, Staff Development (part-time) at a salary of \$11,250 for twelve months, effective May 31, 1973. (RBC 507)

Surgical Operating Suite

61. Accept the resignation of Mr. Christopher C. Launey, Manager, Surgical Operating Suite at a salary rate of \$12,000 for twelve months, effective June 19, 1973. (RBC 516)

Rehabilitation Clinic -Occupational Therapy

62. Accept the resignation of Mrs. Joy L. Boone, Associate Director (part-time), without salary, effective June 30, 1973. (RBC 521)

63. Accept the resignation of Miss Inez Huntting, Associate Director, Occupational Therapy (part-time) at a salary of \$7,690 for twelve months, effective June 25, 1973. (RBC 524)

64. Appoint Mrs. June E. Burokas as Associate in Occupational Therapy (part-time), without salary, effective June 6, 1973. Mrs. Burokas also serves as Associate in Occupational Therapy at a salary rate of \$6,500 for twelve months in School of Allied Health Sciences - Occupational Therapy. (RBC 527)

65. Appoint Miss Gretchen M. Schmalz as Associate in Occupational Therapy (part-time), without salary, effective July 10, 1973. Miss Schmalz also serves as Associate Professor at a salary rate of \$14,500 for twelve months in School of Allied Health Sciences - Occupational Therapy. (RBC 570)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedSchool Service for Pediatric
and Psychiatric Patients

66. Accept the resignation of Mrs. Rowena A. Herman, School Teacher (part-time), without salary, effective June 13, 1973. (RBC 542)

67. Accept the resignation of Mrs. Patricia A. Brindley, School Teacher (part-time), without salary, effective July 6, 1973. (RBC 575)

THE MARINE BIOMEDICAL INSTITUTE
The Marine Biomedical Institute

68. Change the status of Dr. Richard E. Coggeshall, Chief, Ultrastructure Section, from part-time, without salary, to full-time at a salary rate of \$31,900 for twelve months, effective July 1, 1973. Funds needed are to come from the departmental non-teaching salaries budget. Dr. Coggeshall also serves as Professor (part-time), without salary, in the Department of Anatomy. (RBC 501)

69. Change the status of Dr. Andrew D. Suttle, Jr., Assistant to the Director for Physical Sciences, from part-time, without salary, to full-time at a salary rate of \$35,000 for twelve months, effective June 1, 1973. Funds needed are to come from the departmental non-teaching salaries budget. Dr. Suttle also serves as Professor (part-time), without salary, in the Department of Human Biological Chemistry and Genetics and in the Department of Radiology. (RBC 514)

70. Appoint Dr. William H. Hulet as Chief, Marine Medicine Division, at a salary rate of \$31,000 for twelve months, effective July 1, 1973. Funds needed are to come from the departmental non-teaching salaries budget. Dr. Hulet also serves as Professor (part-time), without salary, in the Department of Internal Medicine. (RBC 587)

SEALY & SMITH FOUNDATION HOSPITALS
Staff Development - Sealy and Smith

71. Accept the resignation of Mr. William H. Lane, Jr., Director, Staff Director, Staff Development (part-time) at a salary of \$3,750 for twelve months, effective May 31, 1973. (RBC SS 11)

Rehabilitation Clinic -
Occupational Therapy (Sealy and Smith)

72. Accept the resignation of Miss Inez Huntting, Associate Director, Occupational Therapy (part-time) at a salary of \$5,126 for twelve months, effective June 25, 1973. (RBC SS 12)

TRANSFER OF FUNDS

73. From: Unallocated Appropriations - General \$ 807.49

To: Information Office:
Classified Salaries \$ 807.49

For: This transfer will provide funds for the creation of a new position of Illustration Assistant I (Trainee) at a salary rate of \$3,420 for twelve months, effective June 6, 1973. This position is for temporary summer employment.

(RBC 530)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

74. From:	Unallocated Appropriations - Hospitals	\$ <u>6,000.00</u>
	To: Office of the Purchasing Agent: Maintenance and Operation	\$ <u>6,000.00</u>
	For: This transfer will provide funds for continued operations for the remainder of this fiscal year.	
	(RBC 589)	
75. From:	Unallocated Appropriations - Instructional	\$ <u>2,459.03</u>
	To: School of Allied Health Sciences - Office of the Dean: Classified Salaries	\$ <u>2,459.03</u>
	For: This transfer will provide funds for the creation of a new position of Clerk-Typist II at a salary rate of \$4,896 for twelve months, effective June 1, 1973 and a new position of Secretary II at a salary rate of \$5,628 for twelve months, effective June 12, 1973.	
	(RBC 544)	
76. From:	School of Allied Health Sciences - Medical Technology: Maintenance and Operation	\$ <u>62.00</u>
	To: School of Allied Health Sciences - Medical Technology: Travel	\$ <u>62.00</u>
	For: This transfer of funds is requested for additional expenses incurred for travel for Miss Ruth Morris and Miss Freddie Leger to attend and participate in the Annual Meeting of Professional Organization - American Society for Medical Technology in Boston, Massachusetts.	
	(RBC 529)	
77. From:	School of Allied Health Sciences - Physical Therapy: Maintenance and Operation	\$ <u>100.00</u>
	To: School of Allied Health Sciences - Physical Therapy: Travel	\$ <u>100.00</u>
	For: This transfer will provide additional funds for the Physical Therapy Faculty to participate in the Annual Educational Meeting of the American Physical Therapy Association to be held in Houston, Texas.	
	(RBC 518)	

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

78. From: School of Allied Health Sciences -
Associated Health Occupations:
Travel \$ 300.00
- To: School of Allied Health Sciences -
Associated Health Occupations:
Maintenance and Operation \$ 300.00
- For: This transfer will provide funds for
continued operations for the remainder
of this fiscal year.
- (RBC 517)
79. From: Unallocated Appropriations - Hospital \$13,000.00
- To: Emergency Room:
Maintenance and Operation \$13,000.00
- For: This transfer will provide funds for
continued operations for the remainder
of this fiscal year.
- (RBC 545)
80. From: Systems Development:
Travel \$ 500.00
- To: Systems Development:
Maintenance and Operation \$ 500.00
- For: This transfer is requested due to major
repairs to an adding machine and greater
than ordinary costs of updates and new
volumes of "Vernon's Annotated Statutes"
by West Publishing Company.
- (RBC 513)
81. From: Unallocated Appropriations - Hospitals \$ 1,708.49
- To: Infectious Disease Laboratory:
Classified Salaries \$ 1,708.49
- For: This transfer will provide funds for the
creation of a new position of Research
Technician at a salary rate of \$7,236 for
twelve months, effective June 6, 1973.
- (RBC 537)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued

82. From:	Unallocated Appropriations - Hospitals	\$ <u>1,000.00</u>
	To: Infectious Disease Laboratory: Maintenance and Operation	\$ <u>1,000.00</u>
	For: This transfer will provide funds for continued operations for the remainder of this fiscal year.	
	(RBC 552)	
83. From:	Unallocated Appropriations - Hospitals	\$ <u>3,800.73</u>
	To: Pharmacy: Classified Salaries	\$ <u>3,800.73</u>
	For: This transfer will provide funds for temporary summer employees.	
	(RBC 535)	
84. From:	The Marine Biomedical Institute - Texas Tektite Project: Non-Teaching Salaries	\$ 5,750.00
	Travel	<u>1,423.00</u>
		\$ <u>7,173.00</u>
	To: The Marine Biomedical Institute - Texas Tektite Project: Equipment	\$ <u>7,173.00</u>
	For: These transfers will provide funds for continued operations for the remainder of this fiscal year.	
	(RBC 574)	
85. From:	Post-Graduate Education: Classified Salaries	\$ 1,000.00
	Travel	<u>600.00</u>
		\$ <u>1,600.00</u>
	To: Post-Graduate Education: Equipment	\$ <u>1,600.00</u>
	For: This transfer will provide funds for the purchase of a 3/4" Color Video Cassette Recorder.	
	(RBC 581)	

AMENDMENTS TO THE 1972-73 OPERATING BUDGET - continuedTRANSFER OF FUNDS - continued86. From: Unallocated Appropriations - General \$ 2,000.00To: Physical Plant - Security Division:
Travel \$ 2,000.00For: This transfer will provide funds for two (2)
members of this department to attend the
Fourteenth Basic Training School.

(RBC 538)

OTHER FISCAL ITEMS

Purchase of IBM Model 370/158 Computer and Related Equipment --
Pursuant to authorization at the Regents' Meeting No. 715, plans have been finalized for purchase of an IBM 370/158 Central Processing Unit with major peripherals including disk drives, tape drives, control unit, printers, and card readers, using the special option purchase plan. The total option purchase plan price on a 5-year basis is approximately \$2,578,015, with an initial required payment of approximately \$118,000. Annual payments thereafter will range from about \$615,400 the first year to about \$400,000 the fifth year, with the exact amounts dependent upon the final delivery dates of purchased equipment.

It is anticipated that the purchased Central Processing Unit will be available for delivery in January, 1974, and the purchased peripheral equipment prior to that date. Sufficient funds for estimated annual payments are already budgeted for equipment rentals in the 1973-74 operating budget. This action is to authorize additional appropriation of \$118,000 from unappropriated balances for the required initial payment. Funds are available for this purpose.

*File
Misc.*



THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT HOUSTON
1100 HOLCOMBE BOULEVARD
TEXAS MEDICAL CENTER

OFFICE OF THE PRESIDENT

P.O. Box 20036
Houston, Texas 77025

August 10, 1973

Dr. Charles A. LeMaistre, Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Doctor LeMaistre:

The docket for The University of Texas Health Science Center at Houston is submitted for your approval and presentation to the Board of Regents at its meeting September 14, 1973.

The Houston Health Science Center docket consists of twenty-three (23) pages.

Sincerely,

J. V. Olson
John Victor Olson
Acting President

JVO:sh

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

DOCKET

Board of Regents' Meeting September 14, 1973

F

ABSENCES FROM USUAL AND REGULAR DUTIES: The following authorizations to be absent for periods in excess of twenty-nine days are reported in accordance with Section 13.33, Chapter III, Part Two, of the Rules and Regulations of the Board of Regents.

PUBLIC HEALTH SCHOOL

1. Constantino Sakellarides, M.D., Research Assistant in the Department of Epidemiology, July 3, 1973 to August 10, 1973, to Guatemala, Guatemala, for consultation with a nutritionist and physical anthropometrist, and to Panama City and vicinity and Colon, Panama, for a training and pretesting period for a research contract entitled, "Epidemiological Studies of Stroke Risk Factors in Panama," to establish the examination process and train field teams in each segment of the process. Expenses to be paid from Contract No. N01-NS-3-2304, Department of Health, Education and Welfare, National Institute of Neurological Diseases and Stroke.
2. Lynn Noel, Research Associate in the Department of Epidemiology, July 8, 1973 to August 13, 1973, to Panama City and vicinity and Colon, Panama, for a training and pretesting period for a research contract entitled, "Epidemiological Studies of Stroke Risk Factors in Panama," to establish the examination process and train field teams in each segment of the process. Expenses to be paid from Contract No. N01-NS-3-2304, Department of Health, Education and Welfare, National Institute of Neurological Diseases and Stroke.
3. James H. Steele, D.V.M., M.P.H., Professor in the Department of Environmental Health, August 27, 1973 to September 27, 1973, to Somoa, to serve as World Health Organization consultant for a zoonoses survey. Expenses to be paid by the World Health Organization.

GIFTS: Approval is respectfully requested for the acceptance of the following gifts.

HOUSTON MEDICAL SCHOOL

<u>Donor</u>	<u>Purpose and Condition</u>	<u>Amount</u>
1. George and Mary Josephine Hamman Foundation Capital National Bank Bldg. 1300 Main Street - Suite 614 Houston, Texas 77002 Beulah E. Howard, Executive Secretary	To assist in the renovation of the third floor of the Shriners Hospital for Crippled Children for the purpose of providing headquarters for the Clinical Genetics Unit of the Houston Medical School.	\$2,500.00
2. The Clayton Fund P. O. Box 2538 Houston, Texas 77001 Mr. S. M. McAshan, Jr., Trustee	To support research and/or fellowships in the Medical School Program in Reproductive Medicine.	\$25,000.00
3. Mrs. P. E. Turner 6026 Deerwood Houston, Texas 77027	For use in building and equipping the new born baby nursery at Hermann Hospital.	118 shares of \$7 PV capital stock of Standard Oil Co. (New Jersey)
	Value of stock at close of market on date of gift	\$10,325.00

PUBLIC HEALTH SCHOOL

1. The Woodlands Development Corporation
3900 One Shell Plaza
Houston, Texas 77002
James A. Veltman, AIA
Development Director
- To support environmental projects by graduate students.
- \$ 5,000.00

REVISION TO THE 1973-74 PERSONNEL PAY PLAN: Approval is respectfully requested for the addition of the following job titles to the Houston Health Science Center Pay Plan for Fiscal Year 1973-74.

Code	Title	Salary Range	
		Monthly	Annually
8474	Radio/Television/Film Specialist I	\$440-575	\$5,280- 6,900
8473	Radio/Television/Film Specialist II	\$538-680	\$6,456- 8,160
8472	Radio/Television/Film Specialist III	\$636-831	\$7,632- 9,972
8471	Radio/Television/Film Specialist IV	\$778-1,015	\$9,336-12,168
8509	Assistant in Medical Communications	\$680-859	\$8,160-10,308
8537	Audio-Visual Aids Librarian	\$636-831	\$7,632- 9,972

VACATION AND HOLIDAY SCHEDULE -- FY 1973-74: Approval is respectfully requested for the following FY 1973-74 Vacation and Holiday Schedule for the Houston Health Science Center.

Holidays:

September 3, 1973	Monday	Labor Day
November 22, 1973	Thursday	Thanksgiving Day
November 23, 1973	Friday	Thanksgiving Day
December 24, 1973	Monday	Christmas Holiday
December 25, 1973	Tuesday	Christmas Day
December 26, 1973	Wednesday	Christmas Holiday
December 31, 1973	Monday	Christmas Holiday
January 1, 1974	Tuesday	New Year's Day
April 12, 1974	Friday	Good Friday
May 27, 1974	Monday	Memorial Day
July 4, 1974	Thursday	Independence Day
August 27, 1974	Tuesday	Lyndon B. Johnson's Birthday

Vacation:

The three (3) additional State Legal Holidays not observed will be added to the statutory allowance to provide a total of thirteen and one-half (13-1/2) working days of annual leave for the Fiscal Year 1973-74. Employees with fifteen (15) years of State employment shall therefore be entitled to eighteen (18) working days of annual leave, and employees who have completed twenty (20) years of State employment shall be entitled to twenty-four (24) working days of annual leave.

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is respectfully requested for the following grants and agreements:

HOUSTON MEDICAL SCHOOL

1. Grant by which The Upjohn Company provides \$3,685, for support of a research project which will evaluate the potential clinical pharmacographic applications of Prostaglandin E₁ by determining its value in enhancing the angiographic visualization of the canine splanchnic circulation. The research will proceed from July 1, 1973 through June 30, 1975, and will be conducted by Dr. Eugene D. Jacobson, Professor and Director of the Program in Physiology, and Sidney Wallace, M.D., and James Anderson, Ph.D., of the Program in Diagnostic Radiology.
2. Lease Agreement US-4880L-Houston, between The University of Texas Health Science Center at Houston and the Houston Academy of Medicine, wherein the Houston Health Science Center provides \$1,538.59 per month for the period September 1, 1973 through August 31, 1975, for the leasing of approximately 2,903 sq. ft. of office-storage space in the Jesse H. Jones Library Building for use by the Houston Medical School. The lease was signed on behalf of the Houston Health Science Center by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System, and was approved by the State Board of Control on July 3, 1973.
3. Lease Agreement US-4881L-Houston, between The University of Texas Health Science Center at Houston and Center Pavilion Hospital Corporation, wherein the Houston Health Science Center provides \$4,233.60 per month for the period September 1, 1973 through August 31, 1975, for the leasing of approximately 8,820 sq. ft. of office space in the Center Pavilion Hospital Building for use by the Houston Medical School. The lease was signed on behalf of the Houston Health Science Center by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System, and was approved by the State Board of Control on July 3, 1973.
4. Lease Agreement US-4882L-Houston, between The University of Texas Health Science Center at Houston and the Hermann Hospital Estate, wherein the Houston Health Science Center provides \$649.55 per month for the period September 1, 1973 through August 31, 1975, for the leasing of approximately 1,181 sq. ft. of laboratory and faculty space in the Hermann Professional Building for use by the Houston Medical School. The lease was signed on behalf of the Houston Health Science Center by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System, and was approved by the State Board of Control on July 3, 1973.
5. Lease Agreement US-6127L-Houston, between The University of Texas Health Science Center at Houston and the Center Pavilion Hospital Corporation, wherein the Houston Health Science Center provides \$15,168 per month for the period September 1, 1973 through May 31, 1975, and \$16,748 per month for the period June 1, 1975 through August 31, 1977, for the leasing of approximately 31,600 sq. ft. of classroom and faculty space in the Center Pavilion Hospital Building for use by the Houston Medical School. The lease was signed on behalf of the Houston Health Science Center by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System, and was approved by the State Board of Control on July 17, 1973.
6. Lease Agreement for approximately 5,000 sq. ft. of space in the Shriners Hospital for Crippled Children in the Texas Medical Center for use by the Houston Medical School. Under the terms of the lease, subject space is to be renovated with funds contributed from private sources. The term of the lease is for a three year period with options for two extensions of additional three year periods (total nine year term), effective upon occupancy by the Houston Medical School following the renovation work to be performed. The only additional cost to the University for use of the space is the actual cost of utilities and other building services. A waiver was obtained for the lease of subject space from the State Board of Control and the agreement was executed on behalf of the Houston Health Science Center by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System.

HOUSTON G. S. B. S.

1. Lease Agreement US-4883L-Houston, between The University of Texas Health Science Center at Houston and the Hermann Garage, Inc., wherein the Houston Health Science Center provides \$4,666.56 per month for the period September 1, 1973 through August 31, 1975, for the leasing of approximately 9,722 sq. ft. of space in the Hermann Garage, Inc. Building for use by the Houston Graduate School of Biomedical Sciences. The lease was signed on behalf of the Houston Health Science Center by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System, and was approved by the State Board of Control on July 3, 1973.

DIVISION OF CONTINUING EDUCATION

1. Amendment to Lease UH-4491L-Houston, between The University of Texas at Houston, M. D. Anderson Hospital, and The Prudential Insurance Company of America, on behalf of the Houston Health Science Center, Division of Continuing Education, wherein \$377.91 per month is provided for an additional 907 sq. ft. of space in the Prudential Building, 1100 Holcombe Boulevard, for use as classroom space by the Division of Continuing Education. The amendment covers the period August 1, 1973 through August 31, 1975; therefore, effective August 1, 1973, the lease will cover a total of 34,417 sq. ft. of space at \$14,339.98 per month. The amendment was approved on behalf of the Houston Health Science Center by Mr. E. D. Walker, Deputy Chancellor for Administration, The University of Texas System, and was approved by the State Board of Control on June 29, 1973.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)
Board of Regents' Meeting September 14, 1973

10
4

The following grants and contracts have been approved by the chief administrative officer and are hereby submitted for ratification by the Board of Regents.

HOUSTON MEDICAL SCHOOL

1. Grant No. 1 R01 HD07664-01, by which the Department of Health, Education and Welfare, Public Health Service, National Institute of Child Health and Human Development, provides \$50,998, plus indirect costs, for the period June 29, 1973 through May 31, 1974, to support research entitled, "Gonadotropin Secretion in LH & FSH Clone Cultures." The total project period is June 29, 1973 through April 31, 1976, and the research is under the direction of Dr. Anna Steinberger, Associate Professor of Reproductive Biology and Reproductive Endocrinology. The objectives of this project are to clarify the role and the mechanism of action of LRF and gonadal steroids in the regulation of gonadotropin (LH & FSH) synthesis and release. The majority of expenditures from this grant will be made in Harris County.
2. Research Scientist Development Grant No. 1 K02 MH70463-01, by which the Department of Health, Education and Welfare, Public Health Service, National Institute of Mental Health, provides \$26,244, for the period July 1, 1973 through June 30, 1974, to support research entitled, "Mechanism of Action of Alcohol on the Gastric Mucosa." The total project period is July 1, 1973 through June 30, 1978, and the research will be performed by Linda L. Shanbour, Ph.D., Associate Professor in the Program of Physiology (Awardee), under the direction of Dr. Eugene D. Jacobson, Professor and Director of the Program in Physiology. Dr. Shanbour will integrate approaches of biophysics, biochemistry and physiology into a systematic approach for evaluating the action of alcohol on the gastrointestinal tract. The majority of expenditures from this grant will be made in Harris County.
3. Health Professions Capitation Grant No. 5 E03 PE00171-03, by which the Department of Health, Education and Welfare, Public Health Service, Division of Physician and Health Professions Education, provides \$331,249 for the period July 1, 1973 through June 30, 1974. Dr. Robert L. Tuttle, Associate Dean for Academic Affairs, is program administrator. The majority of expenditures from this grant will be made in Harris County.
4. Cost Reimbursement Contract No. N01-HD-3-2782, by which the Department of Health, Education and Welfare, National Institute of Child Health and Human Development, Center for Population Research, provides \$96,706 for the period June 30, 1973 through June 29, 1975, to support a project which will attempt to "Localize and Identify the Androgen Receptors in the Testis." Barbara M. Sanborn, Ph.D., Research Assistant Professor in the Program of Reproductive Biology, is the Principal Investigator. The majority of expenditures from this contract will be made in Harris County.
5. Cost Reimbursement Contract No. N01-HD-3-2779, by which the Department of Health, Education and Welfare, National Institute of Child Health and Human Development, Center for Population Research, provides \$71,981 for the period June 30, 1973 through June 29, 1975, to support a project which will attempt to "Establish the Existence of Specific Cytoplasmic Receptors in the Human Cervical Tissue." Barbara M. Sanborn, Ph.D., Research Assistant Professor in the Program of Reproductive Biology, is the Principal Investigator. The majority of expenditures from this contract will be made in Harris County.
6. Research Career Program Development Grant No. 5 K04 AM28972-02, by which the Department of Health, Education and Welfare, National Institute of Arthritis, Metabolism and Digestive Diseases, provides \$25,000 for the period September 1, 1973 through August 31, 1974, to support research entitled, "Effect

HOUSTON MEDICAL SCHOOL (Continued)

of G. I. Hormones on Gastric and Duodenal Mucosa." The total project period is September 1, 1972 through August 31, 1977, and the research is being performed by Leonard R. Johnson, Ph.D., Professor in the Program of Physiology, (Awardee), under the direction of Dr. Eugene D. Jacobson, Professor and Director of the Program in Physiology. The majority of expenditures from this grant will be made in Harris County.

HOUSTON DENTAL BRANCH

1. Award I.D. No. 2 7 53 9012 22 1, by which the Department of Health, Education and Welfare, National Institutes of Health, Bureau of Health Manpower Education, provides \$136,892 for the period July 1, 1973 through June 30, 1974, for Health Professions Student Loans, and \$36,379 for the period July 1, 1973 through June 30, 1975, for Health Professions Scholarships. Dr. Ben C. McKinney, Acting Dean, is the Program Representative. The majority of expenditures from this award will be made in Harris County.

2. Grant No. 5 D08 PE01187-02, by which the Department of Health, Education and Welfare, Public Health Service, Division of Physician and Health Professions Education, provides \$103,866 for the period July 1, 1973 through June 30, 1974, for the "Health Professions Special Project Grant Program." The total project period is September 1, 1972 through June 30, 1977, and continues under the direction of Douglas M. Lyon, D.D.S., F.A.C.D., Chairman of the Department of Fixed Multiple Restoration. The primary objective of this program is to develop, field test, analyze and implement a self-directed dental education system which will permit dental students to progress at their own rate and ability, and reduce the length of time required for training a dentist without reducing valuable clinic time. The majority of expenditures from this grant will be made in Harris County.

3. Grant No. 5 P01 DE02232-09 by which the Department of Health, Education and Welfare, National Institute of Dental Research, provides \$448,310, plus indirect costs, for the period June 1, 1973 through May 31, 1975, to support research entitled, "The Biology of the Periodontium in Health and Disease." The total project period is June 1, 1972 through April 31, 1975, and continues under the direction of Barnet M. Levy, D.D.S., Professor and Director of the Institute for Dental Science. The experimental procedures being used in this project are designed to define the influence of mutagenic agents, endocrine imbalance and other variables upon the periodontium of marmosets, in order to test the hypothesis that the periodontal system may be conditioned by either prenatal or postnatal influences. The majority of expenditures from this grant will be made in Harris County.

4. Health Professions Capitation Grant No. 5 E03 PE00392-08, by which the Department of Health, Education and Welfare, Public Health Service, Division of Physician and Health Professions Education, provides \$922,144 for the period July 1, 1973 through June 30, 1974. Dr. Ben C. McKinney, Acting Dean, is program administrator. The majority of expenditures from this grant will be made in Harris County.

HOUSTON G.S.B.S.

1. Grant No. 1 R01 HD07422-01, by which the Department of Health, Education and Welfare, National Institute of Child Health and Human Development, provides \$9,000, plus indirect costs, for the period June 29, 1973 through May 31, 1974 (See Paragraph 2 of grant acknowledgment letter.), to support research entitled, "Regulation of Pineal Enzymic Activity by Sex Steroids." The total project period is June 29, 1973 through May 31, 1975 (See Paragraph 3 of NIH letter of April 6) and is directed by James P. Preslock, Ph.D., Assistant Professor of Physiology. Dr. Preslock proposes to determine whether ovarian sex steroids exert a negative feedback influence upon pineal adeny cyclase and other activities, resulting in decreased melatonin synthesis near the onset of oviposition. The majority of expenditures from this grant will be made in Harris County.

PUBLIC HEALTH SCHOOL

1. Grant No. 1 R01 HS01381-01, by which the Department of Health, Education and Welfare, Health Services and Mental Health Administration, National Center for Health Services Research and Development, provides \$88,804, for the period June 30, 1973 through June 29, 1974, to support a project entitled, "Biometric Methods for Health Service Research Data," directed by Jay H. Glasser, Ph.D., Associate Professor in the Department of Biometry and Computer Sciences. Using the 1967-70 utilization data base of a prepaid comprehensive health service delivery system (H.M.O.), one of the project's concerns will be to explore applications of statistical techniques that yield practical and methodologically sound analysis of health service utilization experience. The majority of expenditures from this grant will be made in Harris County.
2. Modification 1S to Contract NAS 9-12783, by which the NASA Johnson Center provides an additional \$40,000, and authorizes the new period of performance of May 1, 1972 through June 30, 1974, for the project, "Probability of Illness Definition for the Skylab Flight Crew Health Stabilization Program," directed by Thomas D. Downs, Ph.D., Associate Professor in the Department of Environmental Health. The majority of expenditures from this contract will be made in Harris County.
3. Grant No. CP T 000071-01-0, by which the Department of Health, Education and Welfare, Health Services and Mental Health Administration, Comprehensive Health Planning Service, provides \$129,644, for the period July 1, 1973 through June 30, 1974, for support of a project entitled, "Technical Assistance and Continuing Education," directed by Clarence C. Skrovan, M.D., M.P.H., Associate Professor of Community Health. The purpose of the project is to provide continuing education and technical assistance to Boards, Councils, and Staffs of the State and to area-wide agencies concerned with comprehensive health planning. The majority of expenditures from this grant will be made in Harris County.
4. Grant No. NGR 44-084-002, by which the National Aeronautics and Space Administration, Houston Manned Spacecraft Center, provided \$19,400, for the period June 1, 1972 through May 31, 1973, for research entitled, "Public Health Applications of Remote Sensing on Air Degradation," directed by Chia Ting Chen, Ph.D., Research Assistant in the Department of Environmental Health. The study focused on the investigation of the correlations and associations which may exist between the size distribution of particulate matter and respiratory diseases. The majority of expenditures from this grant were made in Harris County. The docketing of this item was inadvertently delayed.
5. Grant No. 5 A04 AH00050-04, by which the Department of Health, Education and Welfare, National Institutes of Health, Division of Allied Health Manpower, provides \$32,285 for the period September 1, 1973 through August 31, 1976, for a training program in "Cross-Cultural Community Health Studies." The total project period is September 1, 1971 through August 31, 1976, and continues under the direction of David W. Martin, Ph.D., Professor of Sociology and Health Education. The objective of this training program is to permit students to study cross-cultural factors that relate to desired health outcomes for various cultural groups, such as the Latin Americans in Texas, when such differences are due in substantial part to socio-cultural variables. This award provides the funds necessary to bring to completion the training of students previously appointed under this grant. The majority of expenditures from this grant will be made in Harris County.

THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

Amendments to the 1972-73 Operating Budgets
Board of Regents' Meeting September 14, 1973

Approval is respectfully requested for the following amendments to the 1972-73 operating budgets.

Vice President for Business Affairs

1. Change the status of Raymond N. Jarl from Director of General Services and Purchasing Agent at the Medical School to Assistant to the Vice President for Business Affairs, The University of Texas Health Science Center at Houston, at the same annual salary rate of \$18,800, effective August 1, 1973. Funds needed are to come from departmental Administrative and Professional Salaries. (RBC-235)

Purchasing

2. Appoint G. Dewey Liccioni, Jr., as Director of Purchasing for The University of Texas Health Science Center at Houston at an annual salary rate of \$17,400, effective July 30, 1973. Funds needed are to come from departmental Administrative and Professional Salaries. (RBC-234)

HOUSTON MEDICAL SCHOOLInstitutional Planning Consultants

1. Transfer \$5,000 from Medical School Unallocated Appropriations Instructional-Faculty Salaries to the Medical School Institutional Planning Consultants Maintenance and Operation account. This transfer is requested to provide additional funds needed for the balance of fiscal year 1972-73 due to the increased activity of this account over the original estimate. (RBC-36)

Public Information

2. Transfer \$11,000 from Medical School Unallocated Appropriations Instructional Classified Salaries to Medical School Public Information Maintenance and Operation. This transfer is requested to provide funds to pay M. D. Anderson Hospital for public information services provided to the Medical School. (RBC-25)

Physical Plant

3. Transfer from Medical School Physical Plant Administrative & Professional Salaries \$14,500, Physical Plant Classified Salaries \$47,500, Instructional Program Fund Maintenance & Operation \$10,000, Space Rental Maintenance & Operation \$10,000, and Unallocated Appropriations General Maintenance & Operation \$5,000 (total \$87,000) to Medical School Physical Plant Maintenance & Operation \$72,000, Physical Plant Equipment \$7,000, and Physical Plant Utilities \$8,000 (total \$87,000). This transfer is requested to provide additional funds needed for the Medical School facilities based on revised cost estimates for contract building maintenance, housekeeping and security services, and purchased utilities. (RBC-22)

HOUSTON MEDICAL SCHOOL (continued)Anatomy

4. Appoint Barrie Vernon Bemand (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Faculty Salaries (\$1,337.88) and departmental Classified Salaries (\$1,689.14). (RBC-26)
5. Appoint Christopher Paul Chilton (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-27)
6. Appoint Michael Scott Elliott (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-28)
7. Appoint Roderic Keith Griffiths (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-29)
8. Appoint James North Johnson (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-30)
9. Appoint John E. Lovegrove (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-31)
10. Appoint Michael Anthony Message (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-32)
11. Appoint T. R. Murphy (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Classified Salaries. (RBC-33)
12. Appoint Arabinda Nandi (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Classified Salaries. (RBC-34)
13. Appoint Maxwell Robert Weedon (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 14, 1973. Funds needed are to come from departmental Equipment. (RBC-35)
14. Appoint Christopher Woodhouse (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Equipment. (RBC-36)
15. Appoint Samuel Richard Smith (non-tenure) as Teaching Fellow in the Medical School Program in Anatomy at an annual salary rate of \$20,400 for the period June 25, 1973 through August 18, 1973. Funds needed are to come from departmental Equipment. (RBC-37)

HOUSTON MEDICAL SCHOOL (continued)Anesthesiology

16. Appoint Arnold Sladen (with tenure) as Professor in the Medical School Program in Anesthesiology at an annual salary rate of \$34,000, effective June 1, 1973. Funds needed are to come from Medical School Program in Anesthesiology Faculty Salaries. (RBC-21)
17. Appoint Marlene Eng (non-tenure) as Associate Professor in the Medical School Program in Anesthesiology at an annual salary rate of \$28,000, effective August 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-38)
18. Appoint the following physicians (non-tenure) to the positions indicated in the Medical School Program in Anesthesiology, without salary, effective July 1, 1973. (RBC-79)

Assistant Professor

Robert B. Richardson, M.D.

Clinical Professor EmeritusL. F. Schuhmacher, M.D.
Emilia Hoeflich, M.D.Clinical Professor

Fred Thomas, M.D.

Clinical Associate ProfessorLictoy T. Johnson, M.D.
Bertha M. Davis-Clark, M.D.
Stewart A. Wilber, M.D.
Charles H. Williams, M.D.Clinical Assistant ProfessorEdward A. Kopinitz, M.D.
Coleen M. Melburn, M.D.
Paul Shutts, M.D.
Cesar Vijil, M.D.
James E. McMurray, M.D.Clinical AssociateJ. F. Hairston, M.D.
Mary C. Jeu, M.D.
King O. Lai, M.D.
Annie E. Lindsey, M.D.
John E. Marshall, M.D.
Audrey F. Posey, M.D.
Edward O. Tasian, M.D.

19. Appoint Luis J. Moreno (non-tenure) as Visiting Assistant Professor in the Medical School Program in Anesthesiology at an annual salary rate of \$33,000, for the period May 21, 1973 through June 21, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-81)

20. Reappoint Luis J. Moreno (non-tenure) as Visiting Assistant Professor in the Medical School Program in Anesthesiology at an annual salary rate of \$33,000, effective July 1, 1973. Funds needed are to come from departmental Faculty Salaries. Reference RBC-81. (RBC-82)

Biochemistry and Molecular Biology

21. Appoint Kathleen C. Westover (non-tenure) as Research Associate in the Medical School Program in Biochemistry and Molecular Biology at an annual salary rate of \$7,500, effective June 1, 1973. Funds needed are to come from Medical School HEW Research Grant No. 1 R01 CA14821-01. (RBC-39)

Dermatology

22. Appoint Margaret Waisman (non-tenure) as Clinical Instructor in the Medical School Program in Dermatology, without salary, effective July 1, 1973. (RBC-42)

HOUSTON MEDICAL SCHOOL (continued)Family Practice

23. Appoint the following physicians (non-tenure) as Clinical Assistant Professors in the Medical School Program in Family Practice, without salary, effective July 1, 1973. (RBC-78)

Edwin R. Franks, M.D.	William F. Powell, M.D.
Carlos D. Godinez, M.D.	Mario Efrain Ramirez, M.D.
John C. Hundley, M.D.	R. E. Read, M.D.
Bob Clarence Jones, M.D.	Herbert T. Smith, M.D.
Sam A. Nixon, M.D.	B. B. Westbrook, Jr., M.D.

Infectious Diseases

24. Appoint Millicent Goldschmidt (non-tenure) as Associate Professor in the Medical School Program in Infectious Diseases at an annual salary rate of \$22,000, effective June 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-43)

25. Appoint Dieter H. Groschel (non-tenure) as Associate Professor in the Medical School Program in Infectious Diseases, without salary, effective June 1, 1973. (RBC-44)

26. Transfer \$38,000 from the Medical School Unallocated Appropriations Instructional-Faculty Salaries to the Medical School Program in Infectious Diseases Maintenance and Operation account (\$4,000) and Equipment account (\$34,000). This transfer is requested to provide funds for the purchase of equipment and for additional operating expense for the balance of fiscal year 1972-73. (RBC-84)

Instructional Equipment Fund

27. Transfer \$12,000 from Medical School Unallocated Appropriations Instructional Faculty Salaries and \$28,000 from Unallocated Appropriations Instructional Classified Salaries (total \$40,000) to Medical School Instructional Equipment Fund Equipment. This transfer is requested to provide funds for additional instructional equipment needs for the John H. Freeman Building. (RBC-24)

Internal Medicine - General

28. Appoint the following physicians (non-tenure) to the positions indicated in the Medical School Program in Internal Medicine-General, without salary, effective July 1, 1973. (RBC-87)

Associate Professor

Gerald P. Bodey, M.D.
Evan Hersh, M.D.
Eugene M. McKelvey, M.D.

Instructor

Jeane P. Hester, M.D.
Robert B. Livingston, M.D.

Professor

Emil J. Freireich, M.D.

Assistant Professor

Jacqueline Hart, M.D.
Victorio Rodriguez, M.D.
Jeffrey A. Gottlieb, M.D.
Jordan U. Gutterman, M.D.
Giora Mavligit, M.D.
Andrew Burgess, M.D.
Kenneth B. McCredie, M.D.

HOUSTON MEDICAL SCHOOL (continued)Internal Medicine - Hematology

29. Transfer \$15,000 from Medical School Unallocated Appropriations Instructional Faculty Salaries to the Medical School Program in Internal Medicine-Hematology Equipment. This transfer is requested to provide funds for the purchase of equipment in the newly activated Program in Internal Medicine - Hematology. (RBC-73)

Neurology

30. Change the status of William S. Fields (tenure) from Professor in the Medical School Program in Neurology to Professor and Director of the Medical School Program in Neurology at the same annual salary rate of \$32,500, effective May 1, 1973. (RBC-20)

31. Appoint the following physicians (non-tenure) as Clinical Associates in the Medical School Program in Neurology, without salary, effective July 1, 1973. (RBC-77)

James W. Crawley, M.D.
Robert M. Gordon, M.D.
Abe Hauser, M.D.
Harris M. Hauser, M.D.
C. A. Iannucci, M.D.
James M. Killian, M.D.
John J. McCutchen, M.D.
John S. Meyer, M.D.

Jean M. Moure, M.D.
Meyer L. Proler, M.D.
Edward J. Rashti, M.D.
Gerald Ratinov, M.D.
William J. Riley, M.D.
Israel H. Schuleman, M.D.
John E. Skogland, M.D.
Jorge Weibel, M.D.

Neurostructure and Function

32. Change the status of R. Bruce Szamier (non-tenure), Medical School Program in Neurostructure and Function, from Assistant Professor at an annual salary rate of \$18,100 to Assistant Professor on Leave of Absence Without Pay for the period July 1, 1973 through August 31, 1973. (RBC-83)

Ophthalmology

33. Appoint James Robert Barnes, III (non-tenure) as Clinical Instructor in the Medical School Program in Ophthalmology, without salary, effective July 1, 1973. (RBC-46)

Pathology

34. Appoint Robert Bucklin (non-tenure) as Lecturer in the Medical School Program in Pathology, without salary, effective April 1, 1973. (RBC-10)

35. Appoint Dieter H. Groschel (non-tenure) as Associate Professor in the Medical School Program in Pathology, without salary, effective June 1, 1973. (RBC-45)

36. Accept the resignation of Alexander W. McCracken (non-tenure), Professor in the Medical School Program in Pathology at an annual salary rate of \$32,000, effective June 1, 1973. (RBC-99)

Pediatrics

37. Appoint Donald Davis Mitchell (non-tenure) as Clinical Associate in the Medical School Program in Pediatrics, without salary, effective June 1, 1973. (RBC-47)

HOUSTON MEDICAL SCHOOL (continued)Pediatrics (continued)

38. Appoint David O. Childers (non-tenure) as Clinical Associate in the Medical School Program in Pediatrics, without salary, effective June 1, 1973. (RBC-48)
39. Transfer \$10,000 from the Medical School General Research Support Grant to Medical School General Research Support Grant - Pediatrics Equipment. This transfer is requested to provide funds for the purchase of equipment for use in Pediatrics' research program. (RBC-56)
40. Appoint Frank Simon (non-tenure) as Instructor in the Medical School Program in Pediatrics at an annual salary rate of \$15,000, effective July 1, 1973. Funds needed are to come from departmental Faculty Salaries. (RBC-80)
41. Appoint Dana S. Williams (non-tenure) as Clinical Associate in the Medical School Program in Pediatrics, without salary, effective July 1, 1973. (RBC-88)
42. Change the status of Kay L. R. Lewis, M.D. (non-tenure) from Clinical Associate without salary to Clinical Assistant Professor without salary in the Medical School Program in Pediatrics. (RBC-233)

Pharmacology

43. Transfer \$20,000 from Medical School Unallocated Appropriations Instructional Faculty Salaries to Medical School Program in Pharmacology Equipment. This transfer is requested to provide equipment funds for the establishment of additional new instructional laboratories. (RBC-23)

Physiology

44. Appoint Arun K. Mukopadhyay (non-tenure) as Research Associate in the Medical School Program in Physiology at an annual salary rate of \$11,000, effective July 1, 1973. Funds needed are to come from Medical School HEW Research Grant No. AM16305-01. (RBC-40)
45. Appoint Ying-Ming Kuo (non-tenure) as Research Associate in the Medical School Program in Physiology at an annual salary rate of \$8,000, effective May 15, 1973. Funds needed are to come from Medical School HEW Research Grant No. 5 R01 AA00194-02. (RBC-41)
46. Transfer \$8,333.24 from Medical School Program in Physiology Faculty Salaries to Physiology Maintenance and Operation. This transfer is to provide additional operating funds necessary for the balance of fiscal year 1972-73. (RBC-75)

Psychiatry

47. Appoint Edward L. Reilly (non-tenure) as Associate Professor in the Medical School Program in Psychiatry at an annual salary rate of \$25,000, effective June 1, 1973. Funds needed are to come from Medical School Program in Psychiatry Faculty Salaries. (RBC-19)
48. Appoint Roy Van Varner (non-tenure) as Clinical Assistant Professor in the Medical School Program in Psychiatry, without salary, effective June 1, 1973. (RBC-49)
49. Appoint Timothy Leslie D. Sharma (non-tenure) as Clinical Assistant Professor in the Medical School Program in Psychiatry, without salary, effective June 1, 1973. (RBC-50)

HOUSTON MEDICAL SCHOOL (continued)Psychiatry (continued)

50. Change the status of Edwin Enoch Johnstone (non-tenure) from Clinical Instructor to Clinical Assistant Professor in the Medical School Program in Psychiatry, without salary, effective May 1, 1973. Reference Medical School RBC-23. (RBC-51)
51. Transfer \$4,000 from the Medical School Program in Psychiatry Classified Salaries account to Psychiatry Maintenance and Operation account. This transfer is requested to provide additional operating funds necessary for the balance of the 1972-73 fiscal year. (RBC-231)
52. Appoint Harvey Rosenstock, M.D. (non-tenure) as Clinical Assistant Professor in the Medical School Program in Psychiatry, without salary, effective July 1, 1973. (RBC-232)

Radiology

53. Accept the resignation of Otto Munoz (non-tenure), Instructor in the Medical School Program in Radiology at an annual salary rate of \$20,000 paid from MSRDP Clinical Program Fund, effective June 30, 1973. (RBC-98)

Reproductive Biology and Reproductive Endocrinology

54. Appoint James P. Preslock (non-tenure) as Adjunct Assistant Professor in the Medical School Program in Reproductive Biology and Reproductive Endocrinology, without salary, effective June 1, 1973. (RBC-52)

Surgery - Dental

55. Appoint Robert C. Meador (non-tenure) as Clinical Assistant Professor in the Medical School Program in Surgery - Dental, without salary, effective May 1, 1973. (RBC-53)
56. Appoint David S. Hershman (non-tenure) as Clinical Assistant Professor in the Medical School Program in Surgery - Dental, without salary, effective June 1, 1973. (RBC-54)

Surgery-General

57. Appoint Hector Antonio Rodriguez (non-tenure) as Clinical Associate in the Medical School Program in Surgery - General, without salary, effective June 1, 1973. (RBC-55)
58. Transfer \$4,000 to Surgery-General (Maintenance and Operation \$3,000, and Equipment \$1,000) from Surgery-Neurosurgery Equipment \$2,000, Surgery-Otolaryngology Maintenance and Operation \$1,000, and Surgery-Urology Maintenance and Operation \$1,000. This transfer is requested to provide additional operating funds needed for the balance of fiscal year 1972-73. (RBC-85)

HOUSTON DENTAL BRANCHAnatomy - Dental Anatomy and Histology

1. Accept the resignation of Clarence A. Speer (non-tenure), Assistant Professor in the Dental Branch Department of Anatomy - Dental Anatomy and Histology at an annual salary rate of \$13,000, effective June 30, 1973. Transfer unexpended funds from this position to the Dental Branch Unallocated Faculty Salaries. (RBC-71)

HOUSTON DENTAL BRANCH (continued)Anatomy - Dental Anatomy and Histology (continued)

2. Accept the resignation of Paul Stamatis (non-tenure), Assistant Professor in the Dental Branch Department of Anatomy-Dental Anatomy and Histology, part-time (40%) at an annual salary rate of \$14,000, effective June 19, 1973. Transfer unexpended funds from this position to the Dental Branch Unallocated Faculty Salaries. (RBC-225)

Anatomy - General and Microscopic

3. Appoint Sitthi S. Srisopark (non-tenure) as Research Fellow in the Dental Branch Department of Anatomy - General and Microscopic at an annual salary rate of \$10,000, effective May 15, 1973. Funds needed are to come from Dental Branch Unallocated Other Salaries. (RBC-62)

4. Appoint William G. Frick (non-tenure) as Teaching Assistant in the Dental Branch Department of Anatomy - General and Microscopic at an annual salary rate of \$3,600, effective May 16, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-63)

General Practice

5. Appoint Paul J. Arnold (non-tenure) as Associate Professor in the Dental Branch Department of General Practice at an annual salary rate of \$24,000, effective June 15, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-11)

Medicine - Periodontics

6. Accept the resignation of Leslie O. Fullerton (non-tenure), Clinical Assistant Professor in the Dental Branch Department of Medicine - Periodontics, part-time (10%) at an annual salary rate of \$16,000, effective May 31, 1973. Transfer unexpended funds from this position to the Dental Branch Unallocated Faculty Salaries. (RBC-66)

Outpatient Division - Laboratory

7. Transfer \$3,000 from Dental Branch Unallocated Maintenance, Operation and Equipment to Dental Branch Outpatient Division - Laboratory Maintenance and Operation. This transfer is to provide additional operating funds necessary for the balance of fiscal year 1972-73. (RBC-16)

Outpatient - Nursing

8. Transfer \$10,000 from the Dental Branch Unallocated Maintenance and Operation to the Dental Branch Outpatient Division-Nursing Maintenance and Operating account. This transfer is requested to provide additional operating funds necessary for the balance of fiscal year 1972-73. (RBC-39)

Pathology - Microbiology

9. Change the status of Dora H. Going (tenure), Dental Branch Department of Pathology - Microbiology, from Professor at an annual salary rate of \$23,000 to Professor on Leave of Absence without pay for the period June 1, 1973 through July 31, 1973. Transfer unexpended funds to Dental Branch Unallocated Faculty Salaries. (RBC-76)

HOUSTON DENTAL BRANCH (continued)Physiology - Physiology

10. Change the source of funds for Edwin L. Smith (tenure), Professor in the Dental Branch Department of Physiology - Physiology, from Faculty Salaries to 50% time PHS Grant 5 E03 PE-00392-07 and 50% time Rockefeller Foundation Fund at the same annual salary rate of \$31,000, effective June 1, 1973. Dr. Smith will be on assignment in Thailand to obtain ideas and information relative to the teaching of medical and dental students in foreign lands. Transfer unexpended General Budget Faculty Salaries to Dental Branch Unallocated Faculty Salaries. (RBC-17)

Preventive Dentistry - Community Dentistry

11. Accept the resignation of Louis P. DiOrio (tenure), Associate Professor in the Dental Branch Department of Preventive Dentistry - Community Dentistry at an annual salary rate of \$25,000, and Director of the Dental Assisting Program without salary, effective July 31, 1973. Transfer unexpended funds from this position to Dental Branch Unallocated Faculty Salaries. (RBC-72)

Preventive Dentistry - Orthodontics

12. Appoint Robert H. Raybuck (non-tenure) as Clinical Assistant Professor, part-time (10%), in the Dental Branch Department of Preventive Dentistry - Orthodontics at an annual salary rate of \$16,000, effective May 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-18)

13. Transfer \$500 from Dental Branch Unallocated Travel to Dental Branch Department of Preventive Dentistry - Orthodontics Travel. This transfer is requested to provide additional operating funds necessary for the balance of fiscal year 1972-73. (RBC-39)

14. Transfer \$250 from the Dental Branch Unallocated Travel to Dental Branch Department of Preventive Dentistry-Orthodontics Travel account. This transfer is requested to provide additional travel funds necessary for the balance of the 1972-73 fiscal year. (RBC-227)

Preventive Dentistry - Pedodontics

15. Appoint Jackson D. McDaniel (non-tenure) as Teaching Assistant in the Dental Branch Department of Preventive Dentistry - Pedodontics at an annual salary rate of \$5,400, effective May 15, 1973. Funds needed are to come from departmental Teaching Assistants. (RBC-64)

16. Appoint Richard L. Trippie (non-tenure) as Instructor in the Dental Branch Department of Preventive Dentistry - Pedodontics at an annual salary rate of \$12,000, effective July 16, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-65)

17. Appoint David A. Taylor (non-tenure) as Clinical Instructor in the Dental Branch Department of Preventive Dentistry-Pedodontics, part-time (20%) at an annual salary rate of \$8,750, effective July 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-226)

School of Dental Hygiene

18. Accept the resignation of Joyce E. Landgren (non-tenure), Instructor in the Dental Branch School of Dental Hygiene, part-time (30%) at an annual salary rate of \$10,000, effective May 14, 1973. Transfer unexpended funds from this position to the Dental Branch Unallocated Faculty Salaries. (RBC-67)

HOUSTON DENTAL BRANCH (continued)School of Dental Hygiene (continued)

19. Appoint Julia L. Ousley (non-tenure) as Instructor in the Dental Branch School of Dental Hygiene at an annual salary rate of \$9,000, effective June 1, 1973. Funds needed are to come from Dental Branch Unallocated Faculty Salaries. (RBC-68)

Surgery

20. Change the appointment date of Robert C. Meador (non-tenure), Assistant Professor in the Dental Branch Department of Surgery at an annual salary rate of \$17,000, from July 1, 1973 to July 20, 1973. Transfer unexpended funds from this appointment to Dental Branch Unallocated Faculty Salaries. Reference Dental Branch RBC-54. (RBC-70)

Various

21. Transfer \$89,500 as indicated below. This transfer is to provide the Dental Branch with additional operating funds necessary for the balance of fiscal year 1972-73. (RBC-74)

SOURCE OF FUNDS:

<u>Department</u>	<u>Budget Page No.</u>	<u>Amount</u>
Data Processing		
Computer Rental and Purchased Services	16	\$ 24,000.00
Physical Plant - Custodial Services		
Maintenance and Operation	80	15,000.00
Unallocated Other Salaries	101	19,500.00
Unallocated Maintenance and Operation	101	<u>31,000.00</u>
TOTAL		<u>\$ 89,500.00</u>

APPLICATION OF FUNDS:

Office of the Dean		
Maintenance and Operation	4	\$ 5,500.00
Data Processing		
Maintenance and Operation	16	12,500.00
Anatomy (General and Microscopic)		
Wages	21	13,000.00
Pathology (Microbiology)		
Maintenance and Operation	37	2,000.00
Physics, Dental Materials		
Wages	38	1,500.00
Preventive Dentistry (Orthodontics)		
Maintenance and Operation	48	3,500.00
Restorative Dentistry (Maxillo Facial (Prosthesis))		
Maintenance and Operation	56	3,000.00

HOUSTON DENTAL BRANCH (continued)Various (continued)

Physical Plant - Administration Maintenance and Operation	75	2,000.00
Physical Plant - Building Maintenance Maintenance and Operation	76	30,000.00
Instructional Development Services Wages	85	5,000.00
Outpatient Division - General Maintenance and Operation	89	<u>11,500.00</u>
TOTAL		<u>\$ 89,500.00</u>

HOUSTON G.S.B.S.Physical Plant

1. Create the position of Painter in the Graduate School Physical Plant at an annual salary rate of \$9,864 for the period May 1, 1973 through August 31, 1973. Funds needed are to come from Graduate School Reserve for Classified Salaries. (RBC-92)
2. Create the position of Carpenter in the Graduate School Physical Plant at an annual salary rate of \$8,712 for the period May 1, 1973 through August 31, 1973. Funds needed are to come from Graduate School Reserve for Classified Salaries. (RBC-93)
3. Create the position of Plumber in the Graduate School Physical Plant at an annual salary rate of \$10,704 for the period May 1, 1973 through August 31, 1973. Funds needed are to come from Graduate School Reserve for Classified Salaries. (RBC-94)
4. Create the position of Electrician in the Graduate School Physical Plant at an annual salary rate of \$9,864 for the period May 1, 1973 through August 31, 1973. Funds needed are to come from Graduate School Reserve for Classified Salaries. (RBC-95)
5. Create the position of Maintenance Man II in the Graduate School Physical Plant at an annual salary rate of \$8,712 for the period May 1, 1973 through August 31, 1973. Funds needed are to come from Graduate School Reserve for Classified Salaries. (RBC-96)

Communications

6. Accept the resignation of Michael A. Craig, Educational Media Specialist in the Graduate School Department of Communications at an annual salary rate of \$11,000, effective June 30, 1973. (RBC-97)

Teaching, Service and Research

7. Appoint Susan H. Houston, Ph.D. (non-tenure) as Associate Professor of Linguistics in the Graduate School Department of Teaching, Service and Research at an annual salary rate of \$22,000, effective June 1, 1973. Funds needed are to come from Graduate School Reserve for Professional Salaries. (RBC-100)

*Murphy
File*PUBLIC HEALTH SCHOOLOffice of the Dean

1. Change the source of funds for Reuel A. Stallones, M.D. (tenure), Dean and Director of the Institute of Environmental Health and Professor of Epidemiology in the School of Public Health, from an annual salary rate of \$28,500 General Budget, \$12,000 Trust Funds and \$4,500 NIH Contract NHLI-71-2156 (total annual salary rate of \$45,000) to an annual salary rate of \$28,500 General Budget, \$12,000 PHS Grant AH-00016 and \$4,500 Trust Funds (total annual salary rate of \$45,000), effective September 1, 1972 through December 31, 1972. (See 1972-73 RBC-86) Funds needed for this change are to come from School of Public Health Professional Salaries, Trust Funds and PHS Grant AH-00016. (RBC-14)

2. Change the source of funds for Reuel A. Stallones, M.D. (tenure), Dean and Director of the Institute of Environmental Health and Professor of Epidemiology in the School of Public Health, from an annual salary rate of \$28,500 General Budget, \$12,000 PHS Grant AH-00016 and \$4,500 Trust Funds (total annual salary rate of \$45,000) to an annual salary rate of \$28,500 General Budget, \$12,000 PHS Grant AH-00016 and \$4,500 NIH Contract NHLI-71-2156 (total annual salary rate of \$45,000) effective January 1, 1973 through August 31, 1973. (See RBC-14) Funds needed for this change are to come from School of Public Health Professional Salaries, PHS Grant AH-00016 and NIH Contract NHLI-71-2156. (RBC-15)

3. Change the source of funds for Reuel A. Stallones, M.D. (tenure), Dean and Director of the Institute of Environmental Health and Professor of Epidemiology in the Public Health School, from an annual salary rate of \$28,500 General Budget, \$12,000 PHS Grant No. 5-E02-AH00016 and \$4,500 Contract No. NIH-NHLI-71-2156 (total annual salary rate of \$45,000) to an annual salary rate of \$28,500 General Budget and \$16,500 PHS Grant No. 5-E02-AH00016 (total annual salary rate of \$45,000) for the period June 15, 1973 through June 30, 1973. Reference RBC-15. Funds needed for this change are to come from Public Health School Professional Salaries and PHS Grant No. 5-E02-AH00016. (RBC-115)

4. Change the source of funds for Reuel A. Stallones, M.D. (tenure), Dean and Director of the Institute of Environmental Health and Professor of Epidemiology in the Public Health School, from an annual salary rate of \$28,500 General Budget and \$16,500 PHS Grant No. 5-E02-AH00016 (total annual salary rate of \$45,000) to an annual salary rate of \$28,500 General Budget and \$16,500 Trust Funds (total annual salary rate of \$45,000) effective July 1, 1973. See RBC-115. Funds needed for this change are to come from Public Health School Professional Salaries and Trust Funds. (RBC-116)

Disease Control

5. Accept the resignation of Judy A. Bean, Ph.D. (non-tenure), Teaching Associate in the Public Health School Department of Disease Control at an annual salary rate of \$9,000, effective June 30, 1973. (RBC-90)

6. Reappoint Matthew M. Yates, B.S. (non-tenure) as Research Associate in the Public Health School Department of Disease Control at an annual salary rate of \$9,000 for the period June 9, 1973 through July 23, 1973. Reference RBC-75. Funds needed are to come from the Public Health School Reserve for Professional Salaries. (RBC-101)

7. Appoint Robert Guardiola (non-tenure) as Research Associate in the Public Health School Department of Disease Control at an annual salary rate of \$7,200, effective June 18, 1973. Funds needed are to come from Public Health School NIH Contract No. NHLI-71-2156. (RBC-102)

PUBLIC HEALTH SCHOOL (continued)Disease Control (continued)

8. Appoint Jeffrey B. Morris, B.A. (non-tenure) as Research Associate in the Public Health School Department of Disease Control at an annual salary rate of \$7,200, effective June 18, 1973. Funds needed are to come from Public Health School Contract NIH-NHLI-71-2156. (RBC-103)
9. Appoint Deborah Gaddis (non-tenure) as Research Associate in the Public Health School Department of Disease Control at an annual salary rate of \$7,200, effective June 18, 1973. Funds needed are to come from Public Health School Contract No. NIH-NHLI-71-2156. (RBC-104)
10. Accept the resignation of Jacqueline V. Graham, LVN (non-tenure), Research Associate in the Public Health School Department of Disease Control, part-time (50%), at an annual salary rate of \$7,200, paid from Public Health School Contract No. NIH-NHLI-71-2156, effective May 12, 1973. (RBC-109)
11. Appoint Wei-Wei Ling, B.S. (non-tenure) as Research Associate in the Public Health School Department of Disease Control, part-time (50%) for the period June 9, 1973 through July 31, 1973, and full-time for the period August 1, 1973 through August 31, 1973, at an annual salary rate of \$9,000. Funds needed are to come from Public Health School Contract NIH-DAHM-71-4063. (RBC-230)

Environmental Health

12. Appoint Irina Cechova, Ph.D. (non-tenure) as Assistant Professor of Environmental Health in the Public Health School Department of Environmental Health at an annual salary rate of \$18,500, effective June 1, 1973. Funds needed are to come from Public Health School Reserve for Professional Salaries. (RBC-111)

Health Services Administration

13. Appoint Jackie E. Richards, B.S.N. (non-tenure) as Research Associate in the Public Health School Department of Health Services Administration at an annual salary rate of \$9,000, effective May 21, 1973. Funds needed are to come from Public Health School HEW Contract NIH-DAHM-71-4063. (RBC-59)
14. Increase the salary of Elizabeth T. Anderson, M.S. (non-tenure), Assistant Research Community Health Planner in the Public Health School Department of Health Services Administration, from an annual rate of \$12,000 to an annual rate of \$15,000, effective April 1, 1973. Funds needed are to come from Public Health School HEW Contract No. NIH-DNU-71-4073. Elizabeth Anderson has been given the additional responsibility of Co-Director of the Community Nurse Practitioner Project. (RBC-61)
15. Appoint Jerald L. Barnett, B.S. (non-tenure) as Research Associate in the Public Health School Department of Health Services Administration, part-time (75%), at an annual salary rate of \$9,000, for the period May 16, 1973 through August 17, 1973. Funds needed are to come from Public Health School NIH Contract DAHM-71-4063. (RBC-57)
16. Reappoint Merron A. Hodges, M.Ed. (non-tenure) as Teaching Associate in the Public Health School Department of Health Services Administration, part-time (50%), at an annual salary rate of \$9,000, effective June 9, 1973. Funds needed are to come from departmental Professional Salaries. (RBC-105)

PUBLIC HEALTH SCHOOL (continued)Health Services Administration (continued)

17. Reappoint H. Russell Hair II, M.S. (non-tenure) as Teaching Associate in the Public Health School Department of Health Services Administration, part-time (50%), at an annual salary rate of \$9,000, effective June 9, 1973. Reference Public Health School RBC-50. Funds needed are to come from Public Health School Reserve for Professional Salaries. (RBC-108)

18. Reappoint Ingrid M. Hernandez, R.N. (non-tenure) as Research Associate in the Public Health School Department of Health Services Administration, part-time (50%), at an annual salary rate of \$9,000, effective June 9, 1973. Funds needed are to come from Public Health School Contract No. NIH-DNU-71-4073. (RBC-110)

Institute of Environmental Health

19. Appoint Lynn M. Noel, B.S. (non-tenure) as Research Associate in the Public Health School Institute of Environmental Health at an annual salary rate of \$7,800, effective June 4, 1973. Funds needed are to come from Public Health School Reserve for Professional Salaries (50%) and Contract No. N01-NS-3-2304 (50%). (RBC-107)

20. Accept the resignation of Chia Ting Chen, Ph.D. (non-tenure), Research Associate in the Public Health School Institute of Environmental Health at an annual salary rate of \$12,000, paid from NASA Grant No. NGR 44-084-002, effective May 31, 1973. (RBC-228)

International Health

21. Change the source of funds for C. Morton Hawkins, Sc.D. (non-tenure), Assistant Professor of Biometry in the Public Health School Department of International Health, from an annual salary rate of \$17,640 General Budget and \$1,960 NIH Contract NHLI-71-2156 (total annual salary rate of \$19,600) to an annual salary rate of \$19,600 General Budget, effective June 15, 1973. Funds needed are to come from departmental Professional Salaries. (RBC-91)

Population Studies

22. Appoint Lewis H. Roht, M.D. (non-tenure) as Assistant Professor in the School of Public Health Department of Population Studies at an annual salary rate of \$22,500, effective May 1, 1973. Funds needed are to come from School of Public Health Reserve for Professional Salaries. (RBC-13)

Urban Health

23. Change the status of Judith P. Detchmendy, M.A. (non-tenure), Teaching Associate, Public Health School Department of Urban Health, from part-time (56%) at an annual salary rate of \$9,000, to full-time at an annual salary rate of \$10,080, effective February 1, 1973. Funds needed are to come from Public Health Environmental Protection Agency Grant No. T-900330. Reference Public Health School RBC-78. (RBC-58)

24. Change the status of George W. Zapletal, Ph.D. (non-tenure), Research Associate in the Public Health School Department of Urban Health, from part-time (50%) to full-time at an annual salary rate of \$9,000 for the period June 1, 1973 through July 31, 1973. Funds needed are to come from Public Health School Environmental Protection Agency Grant No. T-900330. Reference Public Health School RBC-61. (RBC-60)

PUBLIC HEALTH SCHOOL (continued)Urban Health (continued)

25. Appoint Arnold Vedlitz, M.A. (non-tenure) as Research Associate in the Public Health School Department of Urban Health, part-time (50%), at an annual salary rate of \$12,000, effective June 1, 1973. Funds needed are to come from Public Health School Environmental Protection Agency Grant No. T-900330. (RBC-106)

26. Accept the resignation of Betsy L. Siegel, M.F.A. (non-tenure), Teaching Associate in the Public Health School Department of Urban Health, part-time (75%) at an annual salary rate of \$9,000, paid from Environmental Protection Agency Grant No. T-900330, effective June 30, 1973. (RBC-112)

27. Accept the resignation of Judith P. Detchmندی, M.A. (non-tenure), Teaching Associate in the Public Health School Department of Urban Health at an annual salary rate of \$10,080, paid from Environmental Protection Agency Grant No. T-900330, effective June 29, 1973. Reference RBC-58. (RBC-229)

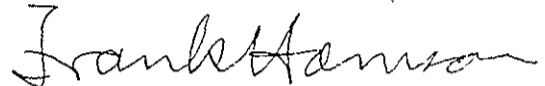
August 8, 1973

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado Street
Austin, Texas 78701

Dear Dr. LeMaistre:

The enclosed docket for The University of Texas Health Science Center at San Antonio is submitted for your approval and presentation to the Board of Regents at its next meeting on September 14, 1973. This docket contains 31 pages.

Sincerely yours,



Frank Harrison
President

FH:lh

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO

F

TRAVEL FOR FACULTY AND STAFF: The following travel is reported in accordance with Section 13.33 of Chapter III, Part Two of the Regents Rules and Regulations of the Board of Regents for government of The University of Texas System:

San Antonio Medical School

1. Mr. Lawrence M. Vincent, University Police, July 10, 1973 to September 19, 1973 to Austin, Texas to attend the Fourteenth Basic Training School for University Police. Expenses to be paid from University Police Travel Funds.
2. Dr. Alan D. Elbein, Professor of Biochemistry, June 29, 1973 to July 20, 1973 to Stockholm, Sweden to attend the International Congress of Biochemistry meetings and present a paper entitled "Biosynthesis of Mannosyl- and Glucosyl-Phosphoryl-Polyprenols in Cotton Fibers" on work done at The University of Texas Health Science Center at San Antonio. Expenses to be paid from Welch Foundation Grant Travel funds.
3. Dr. Charles E. Gibbs, Associate Professor of Obstetrics and Gynecology, August 9, 1973 to August 18, 1973 to attend the VII World Congress of Obstetrics and Gynecology in Moscow, Russia. There will be no expense to the University.

X X F

GIFTS: Acceptance is recommended for the following gift which has been received:

San Antonio Medical School

<u>Donor</u>	<u>Purpose and Conditions</u>	<u>Amount</u>
1. Frances B. Waddell Trust c/o Dr. Harry A. Wilmer Scott and White Clinic Temple, Texas 76501	Research and education in Psychiatry	\$5,221.98

X X F

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): Approval is requested for the following:

San Antonio Medical School

American Hoechst Corporation

1. Research Grant
Clinical and Laboratories Studies on the Renal Effects of Furosemide
Dr. Laurence E. Earley
No dates
Transferred from University of California-San Francisco
\$27,447.23

Commission for Mexican-American Affairs

- Change in Contract Previously Approved:
2. Contract
Evaluation of the Barrio Comprehensive Child Health Care Center
Dr. Harold Dickson
Extension of time to September 30, 1973 without additional funds

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): (continued)

The Hogg Foundation for Mental Health

3. Research Grant
Oral History Project on Mental Health Care in South Texas
 Dr. George G. Meyer and Dr. Gustavo Quesada
 \$950.00

The Squibb Institute for Medical Research

4. Research Grant
Phase III Study of Sterile Cephadrine for Injection
 Dr. Jerry J. Eller
 \$5,500.00

National Fund for Medical Education

- Change in Grant Previously Approved:
 5. Developmental and Innovative Grant #96/70
A Model Program of Self-Evaluation in Medical Education
 Dr. Armand J. Guarino
 Extension of time to August 31, 1973 without additional funds

American Heart Association

6. Supply Allowance
 Dr. Robert C. Talley
 July 1, 1973 - June 30, 1974
 \$1,000.00

The William K. Warren Medical Research Center

7. Drug Study
Nadide in the Treatment of Rheumatoid Arthritis
 Dr. Robert H. Persellin
 Completion of 20 patients
 \$44,000.00

World Health Organization

8. Research Grant H9/181/106
Studies of Normal Rates of Ovum Transport
 Dr. Carl J. Pauerstein
 One Year
 \$43,700.00

American Cancer Society, Inc.

9. Grant BC-23C
Mechanism of Estrogen Action in Breast Cancer
 Dr. William L. McGuire
 July 1, 1973 - June 30, 1974
 \$33,938.00
10. Grant IN-90E
Institutional Research Grant
 Dr. J. Bradley Aust
 July 1, 1973 - June 30, 1974
 \$15,000.00

GRANTS, CONTRACTS AND AGREEMENTS (NON-GOVERNMENTAL): (continued)

The Upjohn Company

11. Drug Study

The Use of Antibiotics as an Adjunct in the Treatment of Penetrating Chest Trauma

Dr. Frederick L. Grover

\$7,500.00

GRANTS, CONTRACTS AND AGREEMENTS (OTHER): Approval is requested for the following: D + FSan Antonio Health Science Center

L. C. Vending Company

1. Approval is requested for the vending machine contract which has been negotiated by Mr. Robert B. Price, Vice President for Business Affairs, and approved by officers of System Administration, for the period September 1, 1973 through August 31, 1975. Commissions vary according to volume and product vended and are the most favorable received from the three vendors bidding based on our estimated volume. D + F

GRANTS, CONTRACTS AND AGREEMENTS (STATE): Approval is requested for the following:San Antonio Medical School

The University of Texas Dental School at San Antonio

Change in Contract Previously Approved:

1. Interagency Contract (72-73)-584 Amendment No. 1
Reimbursement for Instructional Services
September 1, 1972 - August 31, 1973
Additional funds of \$8,500 - Total \$47,000

The University of Texas at San Antonio

2. Interagency Contract (74-75)-035
Reimbursement for Services Rendered and Supplies Furnished
September 1, 1973 - August 31, 1975
\$40,000.00

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
FEDERAL CONTRACTS AND GRANTS
 September 14, 1973 Meeting

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL): Approval is requested for the following:

San Antonio Medical School

Department of Health, Education, and Welfare

National Cancer Institute

1. Contract NO1-CB-23862 S.A. No.1
Biochemical Mechanism of Endocrine Induced Breast Cancer Regression
 Dr. William L. McGuire
 Total Award: \$268,000.00
 New Money: \$127,000.00
 June 1, 1973 - May 31, 1974
Activities, goals, and purposes of grant:
 The purpose of this grant is to study the estrogen receptor in hormone dependent mammary carcinoma.
Other information:
 This is a continuing effort in my laboratory.
Expenditure estimates by county:
 All Bexar County, Texas

2. Development Award-Research Career Program 5 KO4 CA70489-02
Phosphate Transport and Metabolism in Carcinoma Cells
 Dr. Charles Levinson
 Total Award: \$25,000.00
 New Money: \$25,000.00
 September 1, 1973 - August 31, 1974
Activities, purposes, and goals of grant:
 The goals and purpose of the Research Career Development program is to foster and encourage the scientific development of the Awardee for a career of independent research in the sciences related to health. Accordingly, the primary activity of the Awardee is to pursue basic laboratory research. In my case, the research work is concerned with the membrane transport and metabolism of inorganic phosphate in tumor cells.
Other information:
 The current award represents a continuation of support for research in my laboratory.
Expenditure estimates by county:
 All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

Change in Grant Previously Approved:

3. Research Grant 3 RO1 CA11378-04S1
Mechanism of Hormonal Control of Mammary Carcinoma
 Dr. William L. McGuire
 Total Award: \$7,747.00
 New Money: \$5,907.00
 Extension of time to September 30, 1973
Activities, goals and purposes of grant:
 The purpose of this grant is to study the binding of prolactin to hormone dependent mammary carcinoma tissue.
Other information:
 The above is an ongoing activity in my laboratory.
Expenditure estimates by county:
 All Bexar County, Texas

Change in Grant Previously Approved:

4. Research Grant 3 RO1 CA13427-01S1
Hormonal Mechanisms in Human Endometrial Carcinoma
 Dr. Joseph E. Martin
 Additional funds of \$3,549.00
 Extension of time to September 30, 1973
Activities, goals and purposes of grant:
 The study is designed to examine some physico-chemical properties of the steroid-receptor complex in normal, hyperplastic, and anaplastic human endometria, in hopes of defining characteristics of the target cell hormonal systems in pre-malignant and malignant change.
Other information:
 Administrative supplement to Grant.
Expenditure estimates by county:
 All Bexar County, Texas

National Institute of Neurological Diseases and Stroke

Change in Grant Previously Approved:

5. Research Grant 5 RO1 NS09356-03
Chronic Inhibition of Cholinesterase
 Dr. William B. Stavinoha
 Extension of time to December 31, 1973 without additional funds
Activities, goals and purposes of grant:
 To continue the study of long term exposure of rats to organophosphorus cholinesterase inhibiting insecticides.
Other information:
 Extension of grant.
Expenditure estimates by county:
 All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

Social and Rehabilitation Service

6. Research Grant 44-P-30065/6-06

Teaching Grant and Traineeships in Rehabilitation Medicine

Dr. Arthur E. Grant

Total Award: \$32,956.00

New Money: \$16,300.00

July 1, 1973 - June 30, 1974

Activities, goals, and purposes of grant:

To improve quantity and/or quality of teaching activities in Rehabilitation Medicine directed toward undergraduate medical students and to provide stipend for physicians in the PM&R Residency Program.

Other information:

This was to be the second year of a grant project approved for 7 years, with funding projected at a relatively constant level throughout this period. Recent policy changes and cutbacks by the Administration however, have produced a 50% reduction in personnel funding for this grant year, and all grant support is scheduled to end by June 30, 1974. Four personnel funded by this grant will either have to be picked up from other resources or terminated by late December, 1973.

Expenditure estimates by county:

All Bexar County, Texas

7. Research Grant 09-P-56107/6-02

Social Welfare Regional Research Institute

Dr. Harry W. Martin

Total Award: \$100,000.00

New Money: \$44,771.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

These funds established an institute (research unit) to study issues related to health services to the poor -- principally Medicaid eligible persons. The Institute is a cooperative effort with the School of Social Work at UT-Austin. Approximately 60% of staff time is dedicated to research, and 40% to consultations to SRS and State programs. The research of the Institute focuses heavily upon program evaluation, including cost benefit analyses. During the first year of operation, the Institute has studied Title XIX supported screening programs in several states. The Institute's Advisory Committee has suggested several areas of research need. Among these are: (1) a case-load prediction model to aid budgeting; (2) study of PSRO's; and (3) design of data systems for family planning programs.

Other information:

This award is the second year of a five year grant by HEW Social and Rehabilitation Service in support of a Regional Health Services Research Institute. The three remaining years of support will be at a level of \$100,000 per year. The first year award was under Grant #09-P-56107/6-01.

Expenditure estimates by county:

Bexar County, Texas - \$29,848 and Travis County, Texas- \$14,923

FEDERAL CONTRACTS AND GRANTS (continued)

8. Research Grant 18-P-57608/6-02
EPSDT Program Evaluation and Impact Study
 Dr. Harold D. Dickson
 Total Award: \$111,158.00
 New Money: \$111,158.00
 June 1, 1973 - May 31, 1974
Activities, goals, and purposes of grant:
 The purpose of the grant is to work with Medical Services Administration staff to set up methods for evaluation of the Early and Periodic Screening, Diagnosis and Treatment Program and to continue ongoing evaluation studies of the program as we have been doing during the previous year. In addition, technical assistance will be provided concerning ways of evaluating their programs, based on our experience so far.
Other information:
 The EPSDT Evaluation and Impact Study is one of the major projects of the Regional Health Services Research Institute and represents the second year extension of the project which was started last year as a part of the Institute's original funding.
Expenditure estimates by county:
 Bexar County, Texas - \$101,158 and Travis County, Texas -\$10,000

Bureau of Health Manpower Education

9. Health Professions Scholarship and Student Loan 1 7 53 9017 21 1
Health Professions Scholarship and Student Loan
 Dr. Frank Harrison
 Total Award: \$173,663.00
 New Money: \$173,663.00
 Period of time:
 Loan: July 1, 1973 - June 30, 1974
 Scholarship: July 1, 1973 - June 30, 1975
Activities, goals, and purposes of grant:
 Health Professions Scholarships and Loans for medical students assistance.
Other information:
 Continuation of Health Professions Student Assistance Programs.
Expenditure estimates by county:
 All Bexar County, Texas

National Institute for Health Professions Education

10. Health Professions Capitation Grant 5 EO3 PE00172-08
Health Professions Capitation Grant Program
 Dr. Stanley E. Crawford
 Total Award: \$784,096.00
 New Money: \$784,096.00
 July 1, 1973 - June 30, 1974
Activities, goals, and purposes of grant:
 "Capitation" grant for support of the educational programs of the Medical School.
Other information:
 This is the second "capitation" award to the Medical School.
Expenditure estimates by county:
 All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

National Institute of Mental Health

11. Training Grant 5 TO1 MH12651-03

Child Psychiatry

Dr. Alberto C. Serrano

Total Award: \$72,400.00

New Money: \$33,330.00

July 1, 1973 - June 30, 1974

Activities, goals, and purposes of grant:

This is a training grant to support the teaching costs involved in the Child Psychiatry training program. Funds support teaching costs of personnel, consultants and stipends for two trainees. A child psychiatry resident obtains two years of training in the Division of Child and Adolescent Psychiatry in addition to at least two years in general psychiatry. Our program is particularly tailored to provide a family and community orientation in keeping with the present and the future of the child mental health field.

Other information:

This is the third year of this grant. The first graduate in our child psychiatry program, Robert S. Demski, M.D., completed creditable training December 31, 1972. The program has currently four trainees.

Expenditure estimates by county:

All Bexar County, Texas

12. Research Grant 1 RO1 DA00594-01

The Biochemistry, Pharmacology and Pathology of Cocaine

Dr. Jack E. Wallace

Total Award: \$83,835.00

New Money: \$83,835.00

June 1, 1973 - May 31, 1975

Activities, goals, and purposes of grant:

The research objective is to develop a sensitive yet highly accurate analytical method for determining cocaine in biological specimens. Subsequently the biochemical and pharmacological activities of the drug in mammalian systems will be studied.

Other information:

The current award is part of an extensive study to develop new methods for determining numerous pharmacologic compounds in biologic specimens and to correlate the biologic level of the agent with clinical effects manifested by the patient after therapeutic and/or toxic doses.

Expenditure estimates by county:

Bexar County, Texas - \$62,000.00

Harris County, Texas - \$15,000.00

Dallas County, Texas - \$7,000.00

FEDERAL CONTRACTS AND GRANTS (continued)

13. Research Grant 1 RO3 DA00517-01

Consequence of Methadone Maintenance During Gestation

Dr. Kenneth Blum

Total Award: \$6,678.00

New Money: \$6,678.00

June 1, 1973 - May 31, 1974

Activities, goals, and purposes of grant:

This research is designed to determine if rats born of mothers maintained on methadone throughout the pregnancy will suffer any long term adverse consequence including increased susceptibility to addiction. The goal of this project is to: (1) Identify the systems of withdrawal in methadone dependent rats and to determine how much methadone is required to produce physical dependence. (2) To evaluate the effect of methadone chronically administered to pregnant mothers and to determine subsequent effects on pups born from these dependent mothers. Three areas will be studied: growth rate of maturing offspring, discrimination learning of maturing offspring, and drug seeking behavior of maturing offspring.

Other information:

During the past six years we have been involved with psychopharmacological and drug abuse research. This grant is part of our on-going program to elucidate the mechanisms of psychotropic drugs on the brain and their corresponding production of dependence.

Expenditure estimates by county:

All Bexar County, Texas

14. Training Grant 5 TO1 MH11891-05

Psychiatry - Basic Residency

Dr. Robert L. Leon

Total Award: \$135,717.00

New Money: \$135,717.00

July 1, 1973 - June 30, 1974

Activities, goals, and purposes of grant:

This grant is to aid in the teaching of residents in psychiatry. It provides personnel costs to expand and improve the quality of the residency program for first, second, and third year psychiatry residents. This grant also provides stipends for residency trainees.

Other information:

The current award indicates that there will be some additional funding for the next two years for the training of residents who had been officially accepted to the program as of April, 1973.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

Change in Grant Previously Approved

15. Training Grant 5 TO2 MH11661-04

Undergraduate Human Behavior

Dr. Robert L. Leon

Extension of time to June 30, 1974 without additional funds

Activities, goals, and purposes of grant:

The program supported by this grant gives medical students a theoretical and experiential understanding of human behavior within the context of the various socio-cultural systems. Basic concepts are introduced from the ecological point of view; particular emphasis is placed upon adaptive tasks encountered in the environment and the consequences for health and illness. Teaching and training costs are provided by this grant.

Other information:

The current award is an extension of one year, without additional funding, from the previous grant year.

Expenditure estimates by county:

All Bexar County, Texas

National Aeronautics and Space Administration

16. Research Grant NGR 44-094-003

The Role of Systemic and Renal Hemodynamics as Determinants of Sodium Excretion and Volume Regulation

Dr. Lawrence E. Earley

Total Award: \$35,000.00

New Money: \$35,000.00

August 1, 1973 - November 30, 1973

Activities, goals, and purposes of grant:

To continue to investigate in laboratory animals (rats and dogs) the physiological mechanisms regulating the renal excretion of sodium and water and the relationship of these excretory phenomena to systemic and renal hemodynamics (blood flow and pressure). The interrelation between sodium excretion and the control of renin release will be explored also. The goal of these studies is to gain a more complete understanding of normal and abnormal regulation of the volume of body fluids.

Other information:

This award represents continuation of partial support for research projects under direction of the Principal Investigator which have been active for the past 8 years.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

United States Army

17. Contract DADA17-73-C3148

Immunological Characterization of Type-Specific and Group-Reactive Dengue Virus Soluble Antigens

Dr. Dennis W. Trent

Total Award: \$56,875.00

New Money: \$56,875.00

July 1, 1973 - June 30, 1974

Activities, goals, and purposes of grant:

The goals of this project are to isolate, purify and immunologically characterize the intracellular structural and nonstructural antigens of dengue viruses. Using these purified viral proteins as serologic reagents, highly sensitive serological techniques will be used to define the group-reactive antigens, elucidate the host response to specific antigens during primary and secondary infections and develop the new technology necessary for rapid large scale type-specific serodiagnosis and definitive seroepidemiology of human dengue virus infection.

Other information:

This contract is a new award which will permit extension of previous studies on type-specific antigens of prototype group B arboviruses.

Expenditure estimates by county:

All Bexar County, Texas

San Antonio Dental School

Department of Health, Education and Welfare

Bureau of Health Manpower Education

1. Health Professions Scholarship and Student Loan 2 7 53 9017 21 1

Health Professions Scholarship and Student Loan

Dr. Frank Harrison

Total Award: \$36,767.00

New Money: \$36,767.00

Period of time:

Loan: July 1, 1973 - June 30, 1974

Scholarship: July 1, 1973 - June 30, 1975

Activities, goals, and purposes of grant: :

Health Professions Scholarships and Loans for dental students assistance.

Other information:

Continuation of Health Professions Student Assistance Programs.

Expenditure estimates by county:

All Bexar County, Texas

FEDERAL CONTRACTS AND GRANTS (continued)

National Institute for Health Professions Education

2. Training Grant 5 DO8 PE01249-02

Health Professions Special Project Grant Program

Dr. Jack L. Hartley

Total Award: \$6,412.00

New Money: \$6,412.00

July 1, 1973 - June 30, 1974

Activities, goals, and purposes of grant:

The development of a self-paced instructional system displaying synchronized still or motion, sound-color pictures, having the ability to hold as a still frame, go fast forward or rewind to any position within the package which is designed to increase the effectiveness of learning by the student while decreasing the length of time required for teaching.

Other information:

We have modified and improved all existing audiovisual material, transferring this to videocassette learning packages, and are continuing to develop new programs which constitute complete courses for self-paced learning. We will provide this programmed material and instruction for its utilization to other institutions within the system.

Expenditure estimates by county:

All Bexar County, Texas

3. Health Professions Capitation Grant 5 EO3 PE00393-04

Health Professions Capitation Grant Program

Dr. J. D. Robertson

Total Award: \$154,497.00

New Money: \$154,497.00

July 1, 1973 - June 30, 1974

Activities, goals, and purposes of grant:

"Capitation" grant for support of the educational programs of the Dental School.

Other information:

This is the second "capitation" award to the Dental School.

Expenditure estimates by county:

All Bexar County, Texas

THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER AT SAN ANTONIO
AMENDMENTS TO THE 1972-73 OPERATING BUDGET
 September 14, 1973 Meeting

REQUESTS FOR BUDGET CHANGE: Approval is requested for the following:

San Antonio Medical School

Office of the Personnel Director

1. Appoint Mr. Anthony T. Ramirez (non-tenure) as Assistant Personnel Director at an annual salary rate of \$13,500 effective May 17, 1973. (RBC 229)

Anesthesiology

2. Accept the resignation of Dr. Carolyn F. Aldredge (non-tenure) as Clinical Assistant Professor (20% time) at an annual salary rate of \$25,000 effective at the close of business May 31, 1973. Transfer unused Teaching Salaries in the amount of \$1,250.01 to Unallocated Faculty Salaries. (RBC 244)
3. Accept the resignation of Dr. Victor S. Bevis, Jr. (non-tenure) as Assistant Instructor at an annual salary rate of \$16,000 effective at the close of business June 30, 1973. Transfer unused Teaching Salaries in the amount of \$2,666.66 to Unallocated Faculty Salaries. (RBC 245)
4. Appoint Dr. Linda C. Stehling (non-tenure) as Assistant Professor at an annual salary rate of \$26,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 249)
5. Appoint Dr. Samuel C. Tsai (non-tenure) as Assistant Instructor at an annual salary rate of \$15,000 effective July 1, 1973. Funds needed for this appointment to come from BCHD Contract #7. (RBC 261)
6. Change the status of Dr. Richard C. Wolff (non-tenure) at an annual salary rate of \$25,000 from Assistant Professor (100% time) to Clinical Assistant Professor (20% time) effective July 16, 1973. Transfer unused Teaching Salaries in the amount of \$2,526.83 to Unallocated Faculty Salaries. (RBC 262)

Biochemistry

7. Appoint Dr. David C. Whorton (initial request for tenure) as Professor at an annual salary rate of \$28,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 250)

Family Practice

8. Change the status and annual salary rate of Dr. Herschel L. Douglas from Associate Professor (tenure), Department of Medicine, at an annual salary rate of \$27,000 (paid from DHEW Grant 06-H-000290-01-0) to Associate Professor (tenure) and Acting Chairman, Department of Family Practice, at an annual salary rate of \$28,000 (paid from Teaching Salaries) effective July 1, 1973. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 230)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)

9. Appoint Dr. S. Perry Post (initial request for tenure) as Professor at an annual salary rate of \$30,000 (75% time from University Health Service and 25% time from Family Practice, Teaching Salaries) effective August 1, 1973. Funds needed for this appointment in the amount of \$625.00 to come from Unallocated Faculty Salaries. (RBC 231)
10. Change the status of Dr. Glen K. Arney at an annual salary rate of \$23,000 from Associate Professor (tenure) Department of Medicine to Associate Professor (tenure) Department of Family Practice effective July 1, 1973. Funds needed for this change to come from the Department of Medicine, Teaching Salaries. (RBC 246)
11. Change the source of funds and department of Dr. James S. Loftis (non-tenure) Associate Professor at an annual salary rate of \$27,000 from Department of Medicine (paid from DHEW Grant 06-H-000290-01-0) to the Department of Family Practice (paid from Teaching Salaries) effective July 1, 1973. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 247)
12. Reappoint Dr. Hang-Guen R. Kim (non-tenure) as Clinical Instructor (50% time) at an annual salary rate of \$20,000 effective July 1, 1973. Funds needed for this reappointment to come from DHEW Grant 06-H-000290-02. Dr. Kim is to continue to serve as Clinical Instructor (without salary) in the Department of Pediatrics. (RBC 263)

Medicine

13. Accept the resignation of Dr. Fitzhugh C. Pannill (tenure) as Professor at an annual salary rate of \$36,000 effective at the close of business June 30, 1973. Transfer unused Teaching Salaries in the amount of \$6,000 to Unallocated Faculty Salaries. (RBC 233)
14. Grant a leave of absence (without pay) for Dr. Myra A. Lappin (non-tenure) as Instructor at an annual salary rate of \$10,800 for the period of June 4, 1973 through August 17, 1973. Dr. Lappin is paid from DHEW Grant 06-H-000290-01-0. (RBC 234)
15. Cancel the appointment of Dr. Samuel C. Jefferson (non-tenure) as Assistant Professor at an annual salary rate of \$26,000 effective July 1, 1973. Transfer unused Teaching Salaries in the amount of \$4,333.34 to Unallocated Faculty Salaries. (RBC 242)
16. Appoint Dr. Meyer D. Lifschitz (non-tenure) as Assistant Professor at an annual salary rate of \$26,000 effective July 15, 1973 through July 31, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 265)
17. Change the status of Dr. Ralph H. Forrester, Professor (tenure) at an annual salary rate of \$27,500 paid from Teaching Salaries to Professor (tenure) (without salary) effective at the close of business July 21, 1973. Dr. Forrester is a full time staff member of the Department of Medicine in the Veterans Administration Hospital. Transfer unused Teaching Salaries in the amount of \$3,030.92 to Unallocated Faculty Salaries. (RBC 266)
18. Change the source of funds for Dr. Samuel J. Friedberg (tenure) Professor at an annual salary rate of \$26,500 from Teaching Salaries (6%) and DHEW Grant 5 KO4 HL08366-06 (94%) to Teaching Salaries (100%) effective July 1, 1973. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 275)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)Obstetrics-Gynecology

19. Appoint Dr. Carlton A. Eddy (non-tenure) as Instructor at an annual salary rate of \$12,000 effective July 1, 1973. Dr. Eddy is to be paid from Gifts from MSRDP Funds. (RBC 251)
20. Appoint Dr. David R. Bolling (non-tenure) as Instructor at an annual salary rate of \$21,000 effective July 9, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 252)

Pathology

21. Accept the resignation of Dr. Joella Pyeatte (tenure) as Associate Professor at an annual salary rate of \$30,000 effective at the close of business May 31, 1973. Transfer unused Teaching Salaries in the amount of \$7,500 to Unallocated Faculty Salaries. (RBC 235)
22. Appoint Dr. Antonio R. Navarrete (non-tenure) as Assistant Professor at an annual salary rate of \$26,000 effective August 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 253)
23. Appoint Dr. Louis J. Manhoff (non-tenure) as Assistant Professor (without salary) effective May 13, 1973. Dr. Manhoff is a full time staff member of the Pathology Department in the Veterans Administration Hospital. (RBC 254)
24. Appoint Dr. Herschel A. Carpenter (non-tenure) as Instructor at an annual salary rate of \$18,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 255)

Pediatrics

25. Accept the resignation of Dr. Gloria B. Abraham (non-tenure) as Instructor at an annual salary rate of \$16,000 effective at the close of business June 30, 1973. Transfer unused Teaching Salaries in the amount of \$2,666.70 to Unallocated Faculty Salaries. (RBC 248)
26. Appoint Dr. Alfonso M. Prado (non-tenure) as Instructor at an annual salary rate of \$18,000 (\$6,000 from Pediatrics Teaching Salaries and \$12,000 from BCHD Contract #7) effective July 1, 1973. Transfer funds in the amount of \$1,000 from Unallocated Faculty Salaries to Pediatrics, Teaching Salaries. (RBC 256)
27. Appoint Dr. Enrique Macias-Godinez (non-tenure) as Instructor at an annual salary rate of \$18,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 257)
28. Appoint Dr. Kaye E. Wilkins (non-tenure) as Assistant Professor (without salary) effective July 1, 1973. Dr. Wilkins also serves as Assistant Professor, Department of Surgery, at an annual salary rate of \$23,000. (RBC 258)
29. Accept the resignation of Dr. Marilyn McRae (non-tenure) as Instructor (30% time) at an annual salary rate of \$18,000 effective at the close of business July 27, 1973. Transfer unused Teaching Salaries in the amount of \$846.75 to Unallocated Faculty Salaries. (RBC 268)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)

30. Appoint Dr. Wallace E. Moore, Jr. (non-tenure) as Assistant Professor (50% time) at an annual salary rate of \$25,200 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries (\$1,600) and Eloise Alexander - Asthma Research (\$500). (RBC 269)
31. Accept the resignation of Dr. Charles A. Fish (non-tenure) as Clinical Assistant Professor (13% time) at an annual salary rate of \$23,000 effective at the close of business July 27, 1973. Transfer unused Teaching Salaries in the amount of \$270.53 to Unallocated Faculty Salaries. (RBC 270)

Physiology

32. Appoint Dr. Byung P. Yu (initial request for tenure) as Associate Professor at an annual salary rate of \$25,000 effective August 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 259)

Psychiatry

33. Accept the resignation of Dr. Charles H. Teller (non-tenure) as Clinical Assistant Professor (50% time) (Sociology) at an annual salary rate of \$15,900 effective at the close of business May 31, 1973. Dr. Teller was paid from Hogg Foundation Grant. (RBC 236)
34. Change the source of funds for Dr. James M. Stedman (non-tenure), Assistant Professor at an annual salary rate of \$20,000 from DHEW Grant 5 TO1 MH12701-02 to Teaching Salaries effective July 1, 1973. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 243)
35. Change the status of Dr. Ori L. Forbis, Jr. (non-tenure) at an annual salary rate of \$28,000 from Associate Professor (100% (25% Teaching Salaries and 75% Interagency Contract (72-73)-498) to Associate Professor (75% paid from Interagency Contract (72-73)-498). Transfer unused Teaching Salaries in the amount of \$ 1,166.70 to Unallocated Faculty Salaries. (RBC 271)
36. Change the source of funds for Dr. Richard E. McKenzie (non-tenure) Assistant Professor at an annual salary rate of \$19,500 from DHEW 5 TO2 MH11661-04 (75%) and DHEW Grant 5 TO1 MH12701-03 (25%) to Teaching Salaries (70%) and DHEW Grant 5 TO1 MH12701-03 (30%) effective August 1, 1973. Funds needed for this change to come from Unallocated Faculty Salaries. (RBC 272)

Surgery

37. Appoint Dr. Raul Ramos (non-tenure) as Assistant Professor (50% time) at an annual salary rate of \$20,000 effective June 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 232)
38. Accept the resignation of Dr. James M. Steel (non-tenure) as Instructor at an annual salary rate of \$18,000 effective at the close of business June 30, 1973. Transfer unused Teaching Salaries in the amount of \$3,000 to Unallocated Faculty Salaries. (RBC 237)
39. Appoint Dr. Kaye E. Wilkins (non-tenure) as Assistant Professor at an annual salary rate of \$23,000 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. Dr. Wilkins also is to serve as Assistant Professor (without salary) in the Department of Pediatrics. (RBC 260)

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)

40. Change the status and source of funds for Dr. Waid Rogers at an annual salary rate of \$22,300 from Professor (tenure) paid from Teaching Salaries to Professor (tenure) (13% time) effective July 1, 1973. Dr. Rogers is a staff member of the Department of Surgery in the Veterans Administration Hospital (87% time). Transfer unused Teaching Salaries in the amount of \$3,252.08 to Unallocated Faculty Salaries. (RBC 273)

Library

41. Appoint Mrs. Cynthia K. Robinson (non-tenure) as Special Collection Librarian and Instructor of Medical Bibliography at an annual salary rate of \$9,500 effective July 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 274)

San Antonio Dental SchoolAnatomy - Dental

1. Cancel the appointment of Dr. Jose M. Garcia (non-tenure) as Associate Professor (80% time) at an annual salary rate of \$24,000, effective March 15, 1973. Transfer unused Teaching Salaries in the amount of \$8,877.44 to Unallocated Faculty Salaries. (RBC 35)

Community Dentistry

2. Reappoint Dr. Argyle Q. O'Brien (non-tenure) as Clinical Assistant Professor (10% time) at an annual salary rate of \$20,000 effective July 1, 1973. Funds needed for this reappointment to come from Unallocated Faculty Salaries. (RBC 37)

General Practice

3. Appoint Dr. Jose M. Garcia (non-tenure) as Visiting Associate Professor at an annual salary rate of \$24,000 effective July 9, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 36)
4. Appoint Dr. O. M. Reed (non-tenure) as Associate Professor (20% time) at an annual salary rate of \$24,000 effective July 19, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 38)

Microbiology

5. Appoint Dr. Virginia L. Thomas (non-tenure) as Instructor at an annual salary rate of \$14,000 effective June 1, 1973. Funds needed for this appointment to come from Unallocated Faculty Salaries. (RBC 33)

TRANSFER OF FUNDSSan Antonio Health Science Center

1. Amount of Transfer: \$9,628.58
- | | |
|---|-----------|
| To: OASI - Employer's Contributions | \$ 400.00 |
| Anatomy - General - Wages | 3,000.00 |
| Community Dentistry - Classified Salaries | 1,893.02 |
| Pathology - Classified Salaries | 342.00 |
| Medical Communications - Classified Salaries | 722.44 |
| Medical Communications - Wages | 135.05 |
| Medical Communications - Travel | 600.00 |
| Physical Plant (Custodial Services) - Classified Salaries | 2,536.07 |

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)

From:	Office of the Dean - Administrative and Professional Salaries	\$3,092.51
	Miscellaneous General Expense	400.00
	Anatomy - General - Classified Salaries	3,000.00
	Departmental Operating Expense - Travel	600.00
	Physical Plant (General Services) - Classified Salaries	2,536.07
For:	To provide funds needed for neces- sary operating expenses and to employ additional personnel. (RBC 34)	

2. Amount of Transfer: \$49,168.03

To:	Office of Academic Development - Classified Salaries	\$ 2,650.70
	Office of the Director of Accounting - Maintenance and Operation	3,000.00
	Office of the Purchasing Agent - Administrative and Professional Salaries	666.68
	Office of the Purchasing Agent - Maintenance and Operation	6,100.00
	Administrative Travel	2,000.00
	Institutional Membership Dues	4,000.00
	OASI - Employer's Contribution	14,000.00
	Office of the Dean of the Graduate School of Biomedical Sciences - Wages	350.00
	Anatomy - Classified Salaries	1,594.99
	Biochemistry - Classified Salaries	758.85
	Medicine - Maintenance and Operation	360.52
	Pathology - Classified Salaries	512.85
	Pathology - Wages	766.00
	Physiology - Classified Salaries	3,456.00
	Surgery - Wages	300.00
	Surgery - Maintenance and Operation	6,000.00
	Office of Clinical Affairs - Classified Salaries	1,851.44
	Library - Maintenance and Operation	800.00
From :	Office of the Dean of the Medical School- Administrative and Professional Sala- ries	\$ 2,137.46
	Office of the Director of Accounting - Classified Salaries	3,000.00
	Office of the Personnel Director - Administrative and Professional Salaries	2,137.46
	Commencement	1,500.00
	Consultants and Surveys	6,500.00
	Office of the Dean of The Graduate School of Biomedical Sciences - Admin- istrative and Professional Salaries	12,647.95
	Biochemistry - Wages	758.85
	Medicine - Classified Salaries	1,851.44
	Surgery - Classified Salaries	2,300.00
	Unallocated Administrative and Profes- sional Salaries	10,000.00
	Unallocated Equipment	6,334.87

AMENDMENTS TO THE 1972-73 OPERATING BUDGET (continued)

For: To provide funds necessary to meet unanticipated operating expenses and to employ additional personnel needed for more effective operation of these departments and changes in source of funds. (RBC 238)

BUDGET ADJUSTMENTSan Antonio Health Science Center

1. Amount of Adjustment: \$48,000.00

To: Physical Plant (General Services) -	
Maintenance and Operation	\$ 8,000.00
Physical Plant (Building Maintenance) -	
Maintenance and Operation	40,000.00
From: Physical Plant (Building Maintenance) -	
Sales and Services	\$48,000.00
For: To adjust anticipated income and to	
budget this amount for needed operations. (RBC 239)	

2. Amount of Adjustment: \$20,000.00

To: Mail Room Service - Purchases for	
Resale	\$20,000.00
From: Mail Room Service - Credit for	
Sales and Services	\$20,000.00
For: To adjust anticipated income and to	
budget this for needed operations. (RBC 240)	

PARKING AND TRAFFIC REGULATIONS: It is requested that the Parking and Traffic Regulations be approved for the academic year 1973-74:

2 June

THE UNIVERSITY OF TEXAS HEALTH
SCIENCE CENTER AT SAN ANTONIO

Parking and Traffic Regulations

1973-74

[Pursuant to the action of the Board of Regents at the meeting on January 26, 1968, regarding the implementation of Chapter 80, Acts, 60th Legislature, 1967 (S.B. 162), we recommend that the following resolution be adopted by the Board of Regents pertaining to traffic, parking, and security regulations of The University of Texas Medical School at San Antonio.

Be it resolved by the Board of Regents of The University of Texas System, that pursuant to Section 2 of Article 2919J, Vernon's Civil Statutes, the following security, parking and traffic regulations of The University of Texas Medical School at San Antonio be and they are hereby adopted as the parking, traffic and security regulations governing traffic and security of The University of Texas Medical School at San Antonio. --(Approved by the Board of Regents on March 12, 1971.)

General Information

The general and criminal laws of the United States, the State of Texas, and all city ordinances, as well as the security, parking and traffic regulations of The University of Texas Medical School at San Antonio are hereby declared to be in full force and effect on the campus of The University of Texas Medical School at San Antonio and all persons including the faculty, staff, students, and employees of The University of Texas Medical School at San Antonio, The University of Texas Dental School at San Antonio, and The University of Texas School of Nursing at San Antonio are subject to them.

Campus as used herein shall include all the property under the control of The University of Texas Medical School at San Antonio.

The commissioned University of Texas Police Officers are vested with all the powers, privileges and immunities of peace officers while on the campus and are empowered to enforce all of these laws and the campus security, parking and traffic regulations.

The University of Texas Medical School at San Antonio or its employees shall not be liable for any loss or injury sustained by anyone while on the campus. The University will not, nor will its employees, assume any responsibility for the care and protection of any vehicle or its contents at any time that it is operated or parked on the campus.

Any person who willfully or through negligence causes damage to school property shall be liable for any damage to said property.]

Pursuant to the provisions of the Texas Education Code, the Board of Regents of The University of Texas System has promulgated these regulations pertaining to the operation and parking of vehicles on the grounds, streets, drives, alleys, and other institutional property of The University of Texas Health Science Center at San Antonio. These regulations are to insure the safety of all persons who use the campus and to provide for optimum use of limited parking facilities. The regulations apply on all parts of the campus throughout the day and night, and are supplementary to all laws and regulations of the State of Texas and the City of San Antonio that govern the use of vehicles.

Motor vehicles of all types, including motorcycles, motorscooters, and motorbicycles, are subject to the provisions of these regulations and must have a properly displayed current registration decal in order to park on the campus of The University of Texas Health Science Center at San Antonio. As used in these regulations, the term "campus" or "University campus" means all property owned or controlled by The University of Texas Health Science Center at San Antonio.

Neither The University of Texas Health Science Center at San Antonio nor its officers or employees shall assume any responsibility for the care or protection of any vehicle or its contents at any time that such vehicle is operated or parked upon the campus.

Article I. General Provisions

- Section 1. ~~[The purpose of these regulations is to provide for the safety and welfare of students and employees and to provide for control of traffic and parking.]~~
- The commissioned University of Texas Police Officers are vested with all the powers, privileges and immunities of peace officers while on the campus or otherwise in the performance of their duties and are empowered to enforce all of these laws and the campus parking and traffic regulations.
- Section 2. If any part of these parking, traffic and security regulations is held to be invalid such invalidity shall not affect other provisions which can be given effect without the invalid provision, and to this end the provisions of these regulations are declared to be severable.
- Section 3. The provisions of these regulations shall be cumulative of all other laws.
- Section 4. On special occasions and in emergencies, University Police Officers may impose temporary parking and traffic control restrictions. These temporary restrictions shall have all the force of other written and approved regulations and shall be subject to the same penalties. On special occasions and in emergencies they may also waive parking restrictions.
- Section 5. It shall be a violation to commit any act prohibited by these regulations or to fail to do any act required by these regulations.
- Section 6. The words motor vehicle or vehicle as used in these regulations shall include automobiles, buses, trucks, trailers, motorcycles, motorscooters, and motorbikes.
- Section 7. The operation of a motor vehicle shall be restricted to the campus drives, streets, and parking lots.
- Section 8. Motor vehicles operated or parked on the campus must comply with all State Laws, City Ordinances and the Traffic and Parking Regulations of The University of Texas [Medical School] Health Science Center at San Antonio.
- Section 9. The speed limit on all parts of the Campus is 15 miles per hour.
- Section 10. Parking is restricted to lined parking spaces. Motor vehicles must be parked within the boundaries of these lined spaces.

- Section 11. Visitor parking is restricted to those parking spaces marked as such and under no circumstances are students, employees or faculty members allowed to park in the visitors parking spaces. When groups of visitors are involved, arrangements should be made with the University Police for temporary permits for the visitors to park in other areas if the visitor reserved spaces are not sufficient.
- A visitor is defined as a person who is neither a student nor an employee of the University, nor is he a person who uses campus parking facilities for the benefit of a student or employee.
- Section 12. Temporary parking permits may be issued through the University Police Office for the purpose of parking in a zone ordinarily restricted. This may be done when it is in the best interest and convenience of The University. Such a temporary permit must be displayed on the windshield of the vehicle.
- Section 13. Parking is not allowed where prohibited by signs or on red curbs.
- Section 14. Parking is prohibited on any lawn, curb or sidewalk, or any area not designated as a parking space, or in any restricted or unauthorized area.
- Section 15. Parking in loading zones is restricted to trucks and trailers and is limited to the time while actually loading and unloading. Parking in a loading zone by a passenger vehicle is allowed only if in the actual process of loading and unloading and then only if a written parking permit to do so is displayed on the windshield.
- Section 16. Parking on the campus for more than 24 hours, without being moved, or at any time for the purpose of storage, washing, greasing, or repairing such vehicle (except emergency repairs) is prohibited. Vehicles which are the property of The University of Texas, parked in their proper spaces, are excepted.
- Section 17. If a person who has a valid parking decal must temporarily utilize another vehicle, he must first obtain a temporary parking permit from the University Police and place it in the lower right hand corner of the front windshield (passenger side) in order to park that vehicle on the campus.
- Section 18. Employees, faculty and students are prohibited from parking in visitor parking spaces at any time.
- Section 19. ~~Salaried faculty members [of The University of Texas Medical School, Dental School and Clinical Nursing School are eligible to purchase reserved parking spaces. The reserved parking space for faculty will bear the name of the faculty member for whom that space has been reserved. Only vehicles properly registered on campus to the faculty member whose name appears on that space may be parked in that reserved space], heads of administrative departments of The University of Texas Health Science Center, and salaried faculty of the Clinical Nursing School are eligible to purchase decals which will be honored in any of several reserved parking areas. The president, vice-president, academic deans, and departmental chairmen are eligible to purchase reserved parking spaces.~~

- Section 20. Reserved spaces for disabled may be used only by persons who have a parking permit for that reserved space.
- Individuals having physical handicaps may apply for special parking assignments by submitting a letter to the Traffic Committee setting forth the reason for the request. Approval must be obtained from the Traffic Committee before the University Police will issue a handicap permit. Vehicles bearing a handicap permit may park in spaces designed for the handicapped.
- Temporary handicap permits may be issued by the University Police without approval of the Traffic Committee.
- Section 21. Passenger vehicles or trucks may not park in the spaces reserved for motorcycles.
- Section 22. Parking on the campus is prohibited unless the vehicle properly displays a current valid parking permit decal (trucks making deliveries and visitors are excepted).
- Section 23. When a motor vehicle has been registered and after the parking permit fee is paid a parking permit decal will be issued and at that time the permit holder will be assigned a parking area. The parking permit decal properly displayed on that vehicle entitles that car to be parked in the assigned area.
- Section 24. A parking permit which has been cancelled, improperly obtained, or which belongs on another vehicle shall not be displayed.
- Section 25. It is prohibited to park a motor vehicle so as to obstruct the entrance way to any building.
- Section 26. It is prohibited to park a motor vehicle in any place it may create a traffic hazard or where it blocks or impedes pedestrian or vehicular traffic.
- Section 27. The operator of a motor vehicle shall:
- A. Be required to yield the right of way to pedestrians at all times.
 - B. Be required to stop the vehicle at all stop signs and then proceed with caution.
 - C. Be required to report immediately any collision in which he is involved to the nearest University Police Officer.
 - D. Be required to have a valid drivers license in his possession in order to operate a motor vehicle on the campus.
 - E. Be required to show his driver's license when requested to do so by a University Police Officer.
 - F. Be prohibited from driving beyond a barricaded area or where prohibited by signs, and be prohibited from moving such barricades or signs.
 - G. Follow the orders, directions or signals of a University Police Officer in the direction of traffic.

- H. Be prohibited from backing a motor vehicle into an intersection.
- I. Be required to properly display a current valid parking permit on the vehicle while parked on campus.

Article II. Registration of Vehicles

Section 1. All employees, faculty and students must register any motor vehicle which they possess or maintain [~~in Bexar County~~] and properly display a valid parking permit decal if the motor vehicle is parked on this campus.

If a parking permit decal is issued for a second vehicle only one of these vehicles may be regularly parked on the campus.

Section 2. The motor vehicle registration form must be filed when the student registers for school.

A student may register a vehicle only if it is owned by the student, his spouse, or his parents.

Section 3. Falsification of information on the motor vehicle registration form will result in cancellation of parking privileges.

Section 4. Faculty and employees may register their motor vehicles at the University Police Office.

In the case of faculty and staff, only vehicles which are owned by the faculty or staff member, or his spouse, may be registered.

Section 5. Registration of a motor vehicle does not entitle a person to park that vehicle on the campus. The person who registers his motor vehicle and wishes to park on campus must first pay for a parking permit decal and properly display the same on the motor vehicle.

Section 6. Any change affecting the registration or ownership of a vehicle shall be reported promptly to the University Police Office so the changes may be recorded.

Section 7. If a parking permit decal is desired for a replacement motor vehicle it will be necessary to destroy the old decal and give written notice that such has been done and after the replacement vehicle has been properly registered a new parking permit decal will be issued after the payment of a \$1.00 fee.

Article III. Parking Permits

Section 1. Only after a motor vehicle has been properly registered and the parking fee paid may a parking permit decal be issued. Parking permits are effective from September 1 to August 31.

Parking decals will not be sold to any person who owes administrative service fees for campus tickets or who owes reinstatement fees, or to one who has been barred from operating or parking a motor vehicle on campus.

- Section 2. The parking fees are paid through the Accounting Office. Students may pay parking fees when they register for school but no later than 5 days from the date they register for school. Faculty and employees may pay their parking fee when they register their vehicle but no later than five days after the first pay period.
- Section 3. Parking permit decals must be permanently affixed to the inside lower right hand corner of the front windshield (passenger's side) so that the decal is easily visible and the number on the decal easily read.
- The decal may not be affixed by tape or other unauthorized material.
- All expired or invalid University of Texas Health Science Center permits must be removed before the new one is affixed. Failure to remove old permits constitutes a violation.
- Section 4. On motorcycles, motorbikes and motorscooters without windshields the parking permit decal shall be permanently affixed to the vehicle's gas tank or a location in which the decal may be easily seen and the number on the decal easily read.
- Section 5. Parking permit decals are not transferable.
- Section 6. The person in whose name the parking permit decal is issued is responsible for all the traffic violations of that motor vehicle for which the permit was issued. If the operator of a motor vehicle involved in a violation is not the person in whose name that parking permit decal was issued, then both the operator and the person in whose name the permit was issued are responsible for the violation.
- Section 7. If a vehicle is found parked in violation of any State Law, City Ordinance or in violation of these regulations or is parked in such a manner as to create a traffic hazard, such vehicle may be impounded, relocated or immobilized at the expense of the violator. The University shall not, nor shall any of its authorized personnel, be liable or assume any responsibility for any loss or damage suffered because of such impoundment, immobilization or relocation.
- Section 8. Parking Permit Fees:
- A. [~~Students—\$3.00 per year~~] C lot - \$3.00 a year
 - B. [~~Employees and Faculty—\$6.00 a year~~] Non-reserved A-B-D lot - \$12.00 a year
 - C. [~~Faculty reserved (optional)—\$24.00 a year~~] Reserved area - A-B-D or C lot (optional) \$24.00 a year
 - D. Reserved spaces - The president, vice-president, academic deans, departmental chairmen - (optional) \$36.00 a year
 - E. The parking permit fee for a two wheel motorcycle, motor-scooter, or motorbike shall be one half the regular fee and entitles the permit holder to park that vehicle only in the area designated for such vehicles. Reserved spaces are not available in [~~this area~~] the area(s) designated for motorcycles, motorscooters and motorbikes.

- F. A parking permit decal may be issued for a second vehicle after it has been properly registered and an additional fee of \$1.00 is paid to the Accounting Office. If a parking permit decal is issued for a second motor vehicle only one of these vehicles is permitted to park regularly on the campus.

Section 9.

All parking assignments will be in effect from 6:00 a.m. until 5:00 p.m. on weekdays. In addition, reserved areas will be maintained on Saturday mornings until 12:00 noon. A policy of unassigned parking for any properly registered vehicle will be in effect at all other times including holidays.

Article IV. Enforcement

Section 1.

Two types of traffic tickets may be issued for violation of these regulations:

A. Campus tickets:

- (1) Campus tickets may be issued by the University Police Officers.
- (2) When a campus traffic ticket is issued, the person in whose name the motor vehicle has been registered on campus and in whose name the parking permit decal was issued must pay an administrative service fee. The fee shall be \$1.00 for the first violation, \$5.00 for the second violation, and \$10.00 for the third violation [~~occurring within a one year period.~~ Additional tickets may result in the loss of all parking privileges for up to one year.] These fees shall be paid at the Accounting Office.

The enforcement fees assessed for violation of these regulations constitute an indebtedness to The University of Texas Health Science Center at San Antonio. In the event that a person fails to pay such fees, The University of Texas Health Science Center at San Antonio will take any or all of the following actions:

- (a) Suspend the privilege of driving or parking on the campus for up to one year;
 - (b) Withhold any remuneration, refund or monetary payment to which the person may be entitled;
 - (c) Deny readmission to The University of Texas Health Science Center at San Antonio;
 - (d) Withhold the individual's grades and/or transcript;
 - (e) Withhold any degree to which the person may be entitled.
- (3) Appeals:
- (a) Appeal of a campus type traffic ticket may be made within five days to the Traffic Committee. The action of the Committee shall be final.

- (b) Any person who has received a campus traffic ticket may appeal by filing a written statement, setting forth the grounds on which he believes that the campus ticket should be dismissed. If the person receiving the ticket desires to appear in person before members of the traffic committee he shall request such personal appearance in the written statement. The written statement must be presented to the chairman of the traffic committee within five days from the date of issue on the ticket.
- (c) If the Traffic Committee rules in favor of the appellant, he shall be entitled to reimbursement for any fee that he has paid to the University Accounting Office as a result of such alleged violation.

B. Court appearance tickets:

- (1) Court appearance tickets may be issued by commissioned University Police Officers and such tickets shall constitute a summons to appear in justice court or municipal court in the same manner as traffic tickets issued by the Texas Highway Patrol.
- (2) Penalties, as provided by law, may be imposed by the justice or municipal court for violations of the Traffic and Parking Regulations of The University of Texas [~~Medical School~~] Health Science Center at San Antonio.

Section 2.

Cancellation of Parking Privilege:

- A. The traffic committee may prohibit a person from operating or parking a motor vehicle on Campus if that person has received four or more tickets in a year or who in their judgment has been guilty of some flagrant violation. Such suspension of the privilege of driving or parking on the campus may be imposed for a period not to exceed one year.
- B. If a person has been barred from operating or parking on the campus and he continues to do so, this may be grounds for dismissal.

Section 3.

Reinstatement of Parking Privilege:

- A. At the discretion of the Traffic Committee a person whose privilege of parking a motor vehicle on Campus has been suspended or cancelled may obtain restoration of his privilege if he pays a reinstatement fee of \$10.00. This will be in addition to any other fees due for traffic violations.

Section 4.

Parking Areas:

- A. After registering a motor vehicle and when the parking permit fee has been paid a parking decal will be issued and the permit holder will be assigned a parking area or lot. This will be recorded on the motor vehicle registration form. This entitles that motor vehicle to be parked in that assigned area only.

B. Parking Lot "A"

The parking lot located just east of the school auditorium and north of the Library shall be known as lot "A".

C. Parking Lot "B"

The parking lot located just south of the Library and east of building Unit I shall be known as lot "B".

D. Parking Lot "C"

The parking lot located [just] south and west of building Unit I shall be known as lot "C".

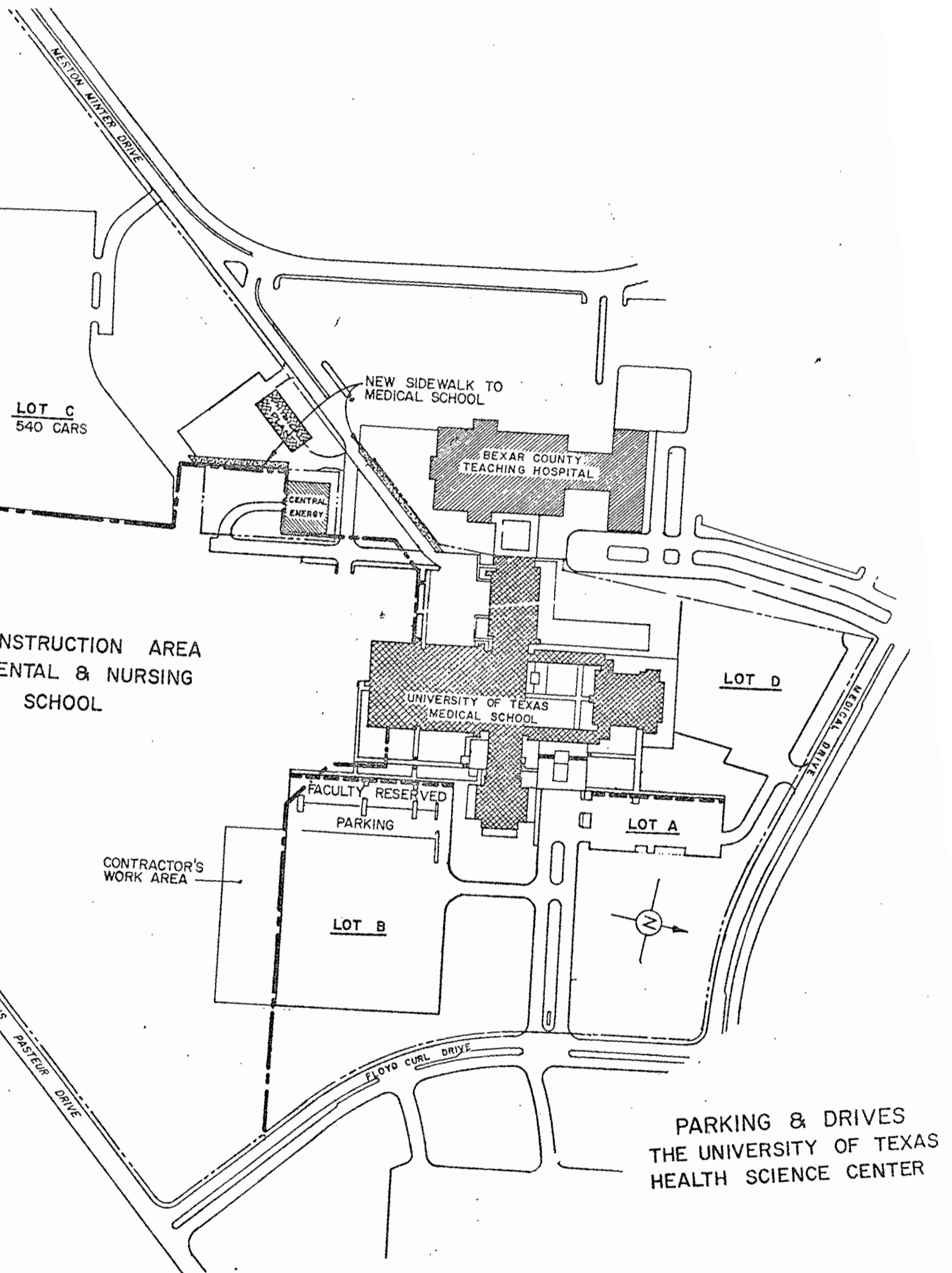
E. Parking Lot "D"

The parking lot in back of the Auditorium fronting on Medical Drive shall be known as lot "D".

~~[Article V.--Amendments to Regulations~~

Section 1.

~~As conditions and necessity dictate, the parking and traffic regulations may be revised or amended upon recommendation of the Traffic Committee and of the Dean, subject to approval of the Board of Regents.]~~



PARKING & DRIVES
THE UNIVERSITY OF TEXAS
HEALTH SCIENCE CENTER



THE UNIVERSITY OF TEXAS AT HOUSTON
M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE

Texas Medical Center Houston, Texas 77025

August 10, 1973

R. LEE CLARK, M. D., PRESIDENT

Dr. Charles A. LeMaistre
Chancellor
The University of Texas System
601 Colorado
Austin, Texas 78701

Dear Doctor LeMaistre:

Transmitted herewith are one hundred copies of The University of Texas System Cancer Center docket, totaling thirteen pages, for your approval and presentation for formal approval of the Board of Regents at their meeting on September 14, 1973.

Sincerely yours,

R. Lee Clark, M. D.
President

RLC:sk

THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

DOCKET

Board of Regents Meeting September 14, 1973

GIFTS: The following gifts have been received and are submitted for formal approval of the Board of Regents.

<u>Donor</u>	<u>Purpose and Explanation</u>	<u>Amount</u>
<u>M. D. Anderson</u>		
1. Houston Natural Gas Corporation Mr. Kenneth Fellows, Senior Vice President and Secretary P. O. Box 1188 Houston, Texas 77001	Expansion of M. D. Anderson Hospital. Total pledge \$15,000 with installments to be paid in 1974 and 1975.	\$ 5,000.00
2. Hughes Tool Company Mr. Raymond Holliday, Chairman P. O. Box 2539 Houston, Texas 77001	Expansion of M. D. Anderson Hospital. Total pledge \$25,000 with installments to be paid annually.	\$ 8,333.34*
3. Houston Endowment P. O. Box 52338 Houston, Texas 77052	Jesse Jones Fellowship Fund Honoring Dr. E. W. Bertner	\$10,000.00
4. Paul and Mary Haas Foundation The Driscoll Building Post Office Box 779 Corpus Christi, Texas 78403	Gift for Use in Research Program of Dr. Earl F. Walborg, Jr.	\$10,000.00
5. Organon, Inc. Henry A. Strade, M. D. Vice President West Orange, New Jersey 07052	Gift for Use in Hematology Research by Dr. Raymond Alexanian	\$ 5,000.00
6. Strake Foundation Mr. George W. Strake, Jr. 3300 Gulf Building Houston, Texas 77002	Expansion of M. D. Anderson Hospital	\$ 5,000.00
7. Richard H. Jesse, M. D. President, Board of Directors Lutheran Hospital 6910 Fannin Houston, Texas 77025	Expansion of M. D. Anderson Hospital. Total pledge \$548,600 with installments to be paid in 1973 and 1974.	\$50,000.00
8. Estate of D. H. Emerson c/o Hayden W. Head, Attorney Wilson Tower Corpus Christi, Texas 78401	Gift for Use in Cancer Research	\$ 8,021.95*

* No Letter of Transmittal Received

QUARTERLY REPORT OF GIFTS OF LESS THAN \$5,000.00M. D. Anderson

The quarterly report of gifts of less than \$5,000.00 for the period ending May 31, 1973 has been filed with the Office of the Board of Regents where it is available for reference.

VACATION AND HOLIDAY SCHEDULE:

I recommend that the following Vacation and Holiday Schedule for 1973-74 be approved. This schedule has been approved by the System Personnel Director and the Deputy Chancellor for Administration:

1. 1973-74 VACATION AND HOLIDAY SCHEDULE:a. State Legal Holidays:

September 3, 1973	Monday	Labor Day
November 22, 1973	Thursday	Thanksgiving Day
December 25, 1973	Tuesday	Christmas Day
January 1, 1974	Tuesday	New Year's Day
February 18, 1974	Monday	Washington's Birthday
April 22, 1974	Monday	San Jacinto Day
May 27, 1974	Monday	Memorial Day
July 4, 1974	Thursday	Independence Day

b. Other Holidays:

Monday, December 24, 1973 and Wednesday, December 26, 1973 as the days preceding and following Christmas Day

c. Vacation:

The following days are to be converted to Annual Leave to provide an additional five days of Annual Leave over that included in the Legislative Appropriation Bill:

October 8, 1973	Monday	Columbus Day
October 22, 1973	Monday	Veterans Day
January 19, 1974	Saturday	Confederate Heroes Day
March 2, 1974	Saturday	Texas Independence Day
August 27, 1974	Tuesday	Lyndon Baines Johnson's Birthday

GRANTS, CONTRACTS, AND AGREEMENTS (NON-GOVERNMENTAL): The following grants have been awarded and are submitted for formal approval of the Board of Regents.

M. D. Anderson

1. American Cancer Society, Inc. Grant No. VC-21B provides new funds in the amount of \$23,810 for the period July 1, 1973 through June 30, 1974, the total project period. This grant provides support for a research project In Situ DNA/RNA hybridization in mammalian cells. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. T. C. Hsu.

2. American Cancer Society, Inc. Grant No. CI-22B provides new funds in the amount of \$55,000 for the period July 1, 1973 through June 30, 1974, the total project period. This grant provides for research in leukocyte administration and immunotherapy in the management of human cancer. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Emil J. Freireich.
3. American Cancer Society, Inc. Grant No. NP-97B provides new funds in the amount of \$47,270 for the period July 1, 1973 through June 30, 1974, the total project period. This grant provides for research in nucleolar synthesis and post-transcriptional modification of RNA. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Robert B. Hurlbert.
4. American Cancer Society, Inc. Grant No. MG 177 provides new funds in the amount of \$11,400 for the period July 1, 1973 through December 31, 1973, the total project period. This grant provides support for the Eighteenth Annual Clinical Conference on "Radiologic and Other Biophysical Methods in Tumor Diagnosis". The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. R. Lee Clark.
5. American Cancer Society, Inc. grant provides new funds in the amount of \$7,500 for the period January 1, 1973 through December 31, 1973, the total project period. This grant provides support for the Twenty-Sixth Annual Symposium on Fundamental Cancer Research on "Immunological Aspects of Neoplasia". The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. R. Lee Clark.

THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

GRANTS, CONTRACTS AND AGREEMENTS (FEDERAL)
Board of Regents Meeting September 14, 1973



The following Contracts, Grants and Amendments have been awarded and are submitted for formal approval of the Board of Regents.

M. D. Anderson

1. Department of Health, Education and Welfare, Public Health Service, Food and Drug Administration Contract No. FDA 73-204 provides new funds in the amount of \$46,966 for the period June 30, 1973 through June 29, 1974, the total project period. This contract provides support for a research project to develop a method to separate different developmental stages of mouse sperm cells and nuclei on a preparative scale for the assay of mutagenic effects of chemical substances on mouse sperm cell. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Marvin L. Meistrich.
2. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 T01 CA05230-04 CAN provides new funds in the amount of \$167,055 for the period July 1, 1973 through June 30, 1974. The total project period for this grant is July 1, 1970 through June 30, 1976. This grant provides support for a program in clinical pharmacology and experimental therapeutics. Clinical pharmacology training in synthesis, preclinical pharmacology, biochemical pharmacology, and human pharmacology emphasizes drug development for the control of malignancies in man. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Emil J. Freireich.
3. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01-CN-35033 provides new funds in the amount of \$148,146 for the period June 28, 1973 through June 27, 1974, the total project period. This contract provides support for the expansion of the Dial Access System of Cancer Information to include an additional audience of potential physicians and other health professional users. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Robert C. Hickey.
4. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. NIH-NCI-E-71-2268, Modification No. 3 provides new funds in the amount of \$19,224 for the period May 19, 1973 through May 18, 1974. The total project period for this contract is May 19, 1971 through May 18, 1974. This contract provides support for research to assess directly the association between haptoglobin type and pancreatic cancer in patients. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. David A. Anderson.
5. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 P01 CA13318-02 SRC provides new funds in the amount of \$95,342 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1972 through May 31, 1974. This grant provides support for an exploratory study to determine the site, plan and interrelationships between projects and then the amount of space and location within departments and animal facilities. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Robert C. Hickey.
6. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 3 R10 CA11844-15S2 CCI provides new funds in the amount of \$4,030 plus appropriate indirect costs for the period January 1, 1972 through June 30, 1973. The total project period for this grant is January 1, 1970 through June 30, 1974. This grant provides funds for a special ambulatory program for patients with leukemia to provide out-of-hospital care for children with acute leukemia who are involved in investigative clinical studies. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Margaret P. Sullivan.

7. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 R01 CA13246-02 ET provides new funds in the amount of \$26,053 plus appropriate indirect costs for the period June 1, 1973 through May 31, 1974. The total project period for this grant is June 1, 1972 through May 31, 1975. This grant provides for a project to study the interactions at the molecular level between known antineoplastic drugs and macromolecules. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Charles W. Haidle.
8. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01-CM-12094, Modification No. 2 revises the contract period to June 16, 1971 through December 15, 1973, without additional funds. This contract provides for the continuation of research studies relating to the evaluation of protective environment adjuvant to acute leukemia. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Gerald P. Bodey.
9. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 4 K06 CA02501-11 NCR provides new funds in the amount of \$30,870 for the period June 1, 1973 through May 31, 1974, the total grant period. This grant provides support for the continued studies of chemotherapy in malignant disease in children. The majority of the expenditures from this award will be made in Harris County. This grant is awarded to Dr. Wataru W. Sutow under the direction of Dr. Robert C. Hickey.
10. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 1 R26 CA15438-01 SRC provides new funds in the amount of \$79,650 plus appropriate indirect costs for the period June 22, 1973 through May 31, 1974. The total project period for this grant is June 22, 1973 through May 31, 1978. This grant provides for study of the possible relation of RNA tumor viruses to human prostatic cancer. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Leon Dmochowski.
11. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 1 P02 CA14528-01 CAP provides new funds in the amount of \$228,126 plus appropriate indirect costs for the period June 30, 1973 through September 30, 1974. The total project period for this grant is June 30, 1973 through September 30, 1976. This grant is designed to support a multifaceted approach to the systemic therapy of cancer. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Emil J. Freireich.
12. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01-CM-61156, Modification No. 10 provides new funds in the amount of \$242,000 for the revised total contract period June 21, 1966 through June 20, 1974. This contract provides for continuation of pharmacologic studies of antitumor agents. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Ti Li Loo.
13. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 T01 CA05099-12 CAN provides new funds in the amount of \$272,635 for the period July 1, 1973 through June 30, 1974. The total project period for this grant is July 1, 1971 through June 30, 1975. This grant provides for the training of radiation therapists and for basic science graduates in the areas of radiological physics, biophysics, and radiation biology. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Gilbert H. Fletcher.
14. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 5 T01 CA05047-15 CAN provides new funds in the amount of \$85,301 for the period July 1, 1973 through June 30, 1974. The total project period for this grant is July 1, 1969 through June 30, 1976. This grant provides support for the continuation of a training program in the biomedical sciences in the Department of Biology. The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. Felix L. Haas.

15. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Contract No. N01-CB-33888 provides new funds in the amount of \$463,000 for the period June 25, 1973 through October 24, 1974, the total project period. This contract provides for a project in immunotherapy of disseminated human cancer. The majority of the expenditures from this award will be made in Harris County. This contract is under the direction of Dr. Evan M. Hersh.

16. Department of Health, Education and Welfare, Public Health Service, National Cancer Institute Grant No. 1 R13 CA15293-01 NSS provides new funds in the amount of \$28,509 for the period September 1, 1973 through August 31, 1974, the total project period. This grant provides support for the Twenty-Seventh Annual Symposium on Fundamental Cancer Research on the subject "Pharmacological Basis of Cancer Chemotherapy". The majority of the expenditures from this award will be made in Harris County. This grant is under the direction of Dr. R. Lee Clark.

THE UNIVERSITY OF TEXAS SYSTEM CANCER CENTER

RECOMMENDED AMENDMENTS TO THE 1972-73 OPERATING BUDGET
Board of Regents Meeting September 14, 1973M. D. AndersonMedical Staff (Medicine)

1. Leave of Absence Without Pay. Jean M. Moure, M. D., Clinical Associate in Medicine, Without Tenure, Department of Medicine (General Funds) payable at the fifty percent time rate of \$10,000.00 (full time rate \$20,000.00) per annum effective for the period June 25, 1973 through June 28, 1973. Dr. Moure will return to duty June 29, 1973. She will continue to be paid from Department of Medicine (General Funds). (RBC 176)

2. Leave of Absence Without Pay. Howard J. Glenn, Ph.D., Associate Chemist and Associate Professor of Chemistry (Without Tenure), Department of Medicine, payable at the full time rate of \$26,000.00 per annum effective at the close of business July 6, 1973. Dr. Glenn has been paid from Department of Medicine (General Funds). (RBC 177)

Medical Staff (Anatomical Pathology)

3. Appointment. Jorge Valenzuela, M. D., Assistant in Pathology (Without Tenure), Department of Pathology, payable at the full time rate of \$18,000.00 per annum from Contract NIH-N01-CM-33737 effective July 1, 1973. The source of funds for this appointment is available contract funds. (RBC 215)

Medical Staff (Rehabilitation Medicine)

4. Change in Time Assignment and Salary. Raul Villaneuva, M. D., Clinical Associate Physiatrist (Without Tenure), from the twenty percent time rate of \$6,200.00 per annum (full time rate \$31,000.00) paid from Rehabilitation Medicine (General Funds) to the seventy percent time rate of \$22,000.00 per annum (full time rate \$31,500.00) paid from Rehabilitation Medicine (General Funds) effective July 9, 1973. The source of funds for this action is the position established for Clinical Associate Physiatrist and the Reserve for Professional Salaries Account. (RBC 200)

Medical Staff (Surgery)

5. Appointment. Jose V. Iglesias, M. D., Faculty Associate in Surgery (Without Tenure), Department of Surgery, payable at the full time rate of \$24,000.00 per annum from Contract NIH-N01-CM-33737 effective July 1, 1973. The source of funds for this appointment is available contract funds. (RBC 197)

Medical Staff (Anesthesiology)

6. Appointment. Alexander M. Straja, M. D., Associate Anesthesiologist and Assistant Professor of Anesthesiology (Without Tenure), Department of Anesthesiology (General Funds) payable at the full time rate of \$29,000.00 per annum effective June 1, 1973. The source of funds for this appointment is the Reserve for Professional Salaries Account. (RBC 175)

7. Cancellation of Appointment. Alexander M. Straja, M. D., Associate Anesthesiologist and Assistant Professor of Anesthesiology (Without Tenure), Department of Anesthesiology. Dr. Straja was to be appointed at the full time rate of \$29,000.00 per annum effective June 1, 1973. His source of funds was the Reserve for Professional Salaries Account. (RBC 192)

Research (Molecular Biology)

8. Resignation. Mary J. Tevethia, Ph.D., Assistant Biologist and Assistant Professor of Biology (Without Tenure), Department of Biology, payable at the full time rate of \$17,500.00 per annum effective at the close of business July 2, 1973. Dr. Tevethia has been paid from Molecular Biology (General Funds). (RBC 178)

Research (Experimental Surgery)

9. Transfer of Funds. Transfer funds in the amount of \$4,000.00 to Experimental Surgery, Maintenance and Operation Account (110756) to provide funds for expenditures not previously anticipated effective July 1, 1973. The source of funds for this action is the Reserve for Maintenance and Operations. (RBC 212)

Research (Developmental Therapeutics)

10. Change in Source of Funds. Kenneth B. McCredie, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics from the twenty-two percent time rate of \$5,000.00 per annum paid from Developmental Therapeutics (General Funds) and the thirteen percent time rate of \$3,000.00 per annum paid from Grant NIH-1-PO7-CA-11520 and the sixty-five percent time rate of \$15,000.00 per annum paid from Contract PHS-PH-43-NAID-68-949 to the twenty-two percent time rate of \$5,000.00 per annum paid from Developmental Therapeutics (General Funds) and the thirteen percent time rate of \$3,000.00 per annum paid from Grant NIH-2-R10-CA-10042 and the sixty-five percent time rate of \$15,000.00 per annum paid from Contract PHS-PH-43-NAID-68-949 (total salary \$23,000.00) effective June 1, 1973. The source of funds for this action is the budgeted position and available grant and contract funds. (RBC 179)

11. Change in Source of Funds. Jacqueline S. Hart, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics from the forty-one percent time rate of \$8,600.00 per annum paid from Developmental Therapeutics (General Funds) and the fifty percent time rate of \$10,500.00 per annum paid from Grant NIH-5-PO2-CA-05831 and the nine percent time rate of \$2,000.00 per annum paid from Grant NIH-5-T01-CA-05230 to the forty-one percent time rate of \$8,600.00 per annum paid from Developmental Therapeutics (General Funds) and the fifty percent time rate of \$10,500.00 per annum paid from Grant NIH-5-PO2-CA-05831 and the nine percent time rate of \$2,000.00 per annum paid from Grant NIH-2-T01-CA-10376 effective July 1, 1973. The source of funds for this action is the budgeted position and available grant funds. (RBC 182)

12. Change in Source of Funds. Evan M. Hersh, M. D., Associate Internist and Associate Professor of Medicine (Without Tenure), from the eighty-four percent time rate of \$27,000.00 per annum payable from Developmental Therapeutics (General Funds) and the sixteen percent time rate of \$5,000.00 payable from Grant NIH-5-PO2-CA-05831 to the forty-seven percent time rate of \$15,000.00 per annum payable from Grant NIH-5-PO2-CA-05831, the twenty-four percent time rate of \$7,650.00 per annum payable from Contract NIH-N01-CP-33301 and the twenty-nine percent time rate of \$9,350.00 per annum payable from Contract NIH-N01-CB-33888 (total salary \$32,000.00) effective June 25, 1973. The source of funds for this action is available grant and contract funds. (RBC 201)

13. Change in Source of Funds. Giora M. Mavligit, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics from the full time rate of \$22,000.00 per annum payable from Grant NIH-5-P01-CA-11520 to the fifty percent time rate of \$11,000.00 per annum payable from Grant NIH-5-P01-CA-11520 and the fifty percent time rate of \$11,000.00 per annum payable from Contract NIH-N01-CB-33888 effective June 25, 1973. The source of funds for this action is available grant and contract funds. (RBC 202)

14. Change in Source of Funds. Jeffrey A. Gottlieb, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics from the twenty-six percent time rate of \$7,000.00 per annum payable from American Cancer Society Grant ACS-CI-22A and the seventy-four percent time rate of \$20,000.00 per annum payable from Physicians Referral Service-Faculty Associate Account to the full time rate of \$27,000.00 per annum payable from Grant NIH-2-R10-CA-03754 effective July 1, 1973. The source of funds for this action is available grant funds. (RBC 203)

15. Appointment. Cynthia Pfaffenberger, Ph.D., Research Associate (Without Tenure), Developmental Therapeutics payable at the full time rate of \$10,000.00 per annum from Damon Runyon Foundation Grant 1061 effective July 1, 1973. The source of funds for this appointment is available grant funds. (RBC 204)
16. Appointment. Jeane P. Hester, M. D., Faculty Associate in Developmental Therapeutics (Without Tenure), Developmental Therapeutics payable at the ten percent time rate of \$2,000.00 per annum from Grant NIH-5-R01-CA-10376 effective July 1, 1973. The source of funds for this appointment is available grant funds. (RBC 205)
17. Appointment. Robert B. Livingston, M. D., Faculty Associate in Developmental Therapeutics (Without Tenure), Developmental Therapeutics payable at the ten percent time rate of \$2,000.00 per annum from Grant NIH-5-R01-CA-10376 effective July 1, 1973. The source of funds for this appointment is available grant funds. (RBC 206)
18. Appointment. Richard W. Wolk, M. D., Faculty Associate in Developmental Therapeutics (Without Tenure), Developmental Therapeutics, payable at the full time rate of \$20,000.00 per annum from Contract NIH-N01-CB-33888 effective July 1, 1973. The source of funds for this action is available contract funds. (RBC 207)
19. Change in Source of Funds. Michael A. Burgess, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), from the full time rate of \$21,000.00 per annum payable from Contract NIH-NCI-C-71-2094 to the fifty percent time rate of \$10,500.00 per annum payable from Grant NIH-2-R10-CA-10376 and the fifty percent time rate of \$10,500.00 per annum payable from Grant NIH-2-R10-CA-10379 effective June 16, 1973. The source of funds for this action is available grant funds. (RBC 208)
20. Change in Source of Funds. Gerald P. Bodey, Sr., M. D., Associate Internist and Associate Professor of Medicine (Without Tenure), Developmental Therapeutics from the forty percent time rate of \$12,000.00 per annum payable from Developmental Therapeutics (General Funds) and the sixty percent time rate of \$18,000.00 per annum payable from Leukemia Society Scholarship Account for Dr. Bodey to the forty percent time rate of \$12,000.00 per annum payable from Grant NIH-2-R10-CA-10042 and the sixty percent time rate of \$18,000.00 per annum (total salary \$30,000.00) payable from Leukemia Society Scholarship Account for Dr. Bodey effective December 1, 1972. The source of funds for this action is available grant funds. (RBC 209)
21. Change in Source of Funds. Victorio Rodriguez, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics from the forty-seven percent time of \$10,500.00 per annum payable from Developmental Therapeutics (General Funds) and the fifty-three percent time rate of \$12,000.00 per annum payable from Grant NIH-5-P02-CA-05831 to the forty-seven percent time rate of \$10,500.00 per annum payable from Grant NIH-2-R10-CA-10042 and the fifty-three percent time rate of \$12,000.00 per annum payable from Grant NIH-5-P02-CA-05831 effective December 1, 1972. The source of funds for this action is available grant funds. (RBC 210)
22. Change in Source of Funds. Eugene M. McKelvey, M. D., Associate Internist and Associate Professor of Medicine (Without Tenure), from the fifty-five percent time rate of \$12,000.00 per annum payable from Developmental Therapeutics (General Funds) and the forty-five percent time rate of \$10,000.00 per annum payable from Grant NIH-5-P02-CA-05831 to the sixteen percent time rate of \$3,500.00 per annum payable from Grant NIH-5-P01-CA-11520, the fifty percent time rate of \$11,000.00 per annum payable from Grant NIH-1-P02-CA-14528 and the thirty-four percent time rate of \$7,500.00 per annum payable from Contract NIH-NCI-C-71-2094 (total salary \$22,000.00) effective July 1, 1973. The source of funds for this action is available grant and contract funds. (RBC 211)

23. Change in Source of Funds. Kenneth B. McCredie, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics from the twenty-two percent time rate of \$5,000.00 per annum payable from Developmental Therapeutics (General Funds), the thirteen percent time rate of \$3,000.00 per annum payable from Grant NIH-2-R10-CA-10042 and the sixty-five percent time rate of \$15,000.00 per annum payable from Contract PHS-PH-43-NAID-68-949 to the sixty-one percent time rate of \$14,000.00 per annum payable from Grant NIH-2-R01-CA-10376, the thirteen percent time rate of \$3,000.00 per annum payable from Grant NIH-2-R10-CA-10042 and the twenty-six percent time rate of \$6,000.00 per annum (total salary \$23,000.00) payable from Contract PHS-PH-63-NAID-68-949 effective July 1, 1973. The source of funds for this action is available grant and contract funds. (RBC 213)

24. Change in Source of Funds. Jordan V. Gutterman, M. D., Assistant Internist and Assistant Professor of Medicine (Without Tenure), Developmental Therapeutics from the forty percent time rate of \$8,000.00 per annum payable from Contract PHS-PH-43-NAID-68-949 and the sixty percent time rate of \$12,000.00 per annum payable from Contract NIH-NCI-72-3262 to the fifty percent time rate of \$10,000.00 per annum payable from Contract NIH-N01-CP-33301 and the fifty percent time rate of \$10,000.00 per annum (total salary \$20,000.00) payable from Contract NIH-N01-CB-33888 effective June 25, 1973. The source of funds for this action is available contract funds. (RBC 214)

Research (Experimental Animals)

25. Change in Source of Funds. Barbara A. Bertin, Medical Technologist II, Experimental Animals, from Experimental Animal Maintenance Revolving Fund, payable at the full time rate of \$9,480.00 per annum to Experimental Animals (General Funds) payable at the full time rate of \$9,480.00 per annum effective November 1, 1972. The source of funds for this action is the Reserve for Classified Salaries Account. (RBC 187)

26. Change in Source of Funds. James G. Watkins, Animal Resources Supervisor II, Experimental Animals, from Experimental Animal Maintenance Revolving Fund, payable at the full time rate of \$9,480.00 per annum to Experimental Animals (General Funds) payable at the full time rate of \$9,480.00 per annum effective September 1, 1972. The source of funds for this action is the Reserve for Classified Salaries Account. (RBC 188)

27. Change in Source of Funds. Charles R. Smoley, Animal Resources Supervisor II, Experimental Animals from Experimental Animal Maintenance Revolving Fund payable at the full time rate of \$9,096.00 per annum to Experimental Animals (General Funds) payable at the full time rate of \$9,096.00 per annum effective September 1, 1972. The source of funds for this action is the Reserve for Classified Salaries Account. (RBC 189)

28. Change in Source of Funds. Harry L. Neeley, Animal Attendant II, Experimental Animals, from Experimental Animals Maintenance Revolving Fund payable at the full time rate of \$5,628.00 per annum to Experimental Animals (General Funds) payable at the full time rate of \$5,628.00 per annum effective September 1, 1972. The source of funds for this action is the Reserve for Classified Salaries Account. (RBC 190)

29. Resignation. Dale D. Boyd, D.V.M., Associate Veterinarian and Associate Professor of Veterinary Medicine and Surgery (Without Tenure), Experimental Animals payable at the full time rate of \$20,000.00 per annum effective at the close of business July 31, 1973. Dr. Boyd has been paid from Experimental Animals (General Funds). (RBC 199)

Research (Computer Science Laboratory of the Institute of Biomathematics)

30. Correction in Salary. Baker A. Mitchell, M.S., Associate Biomathematician and Assistant Professor of Biomathematics (Without Tenure), Biomathematics from the fifty-three percent time rate of \$13,500.00 per annum payable from Grant NIH-9-R01-CA-11430 and the forty-seven percent time rate of \$12,000.00 per annum paid from Contract NASA NAS 9-7153 to the fifty percent time rate of \$11,950.00 per annum paid from Grant NIH-9-R01-CA-11430 and the fifty percent time rate of \$12,000.00 per annum (total salary \$23,950.00) paid from Research Computer Facility Fund effective September 1, 1972. The source of funds for this action is available grant funds and Research Computer Facility Fund. (RBC 180)

31. Change in Source of Funds. Robert W. Crawford, Systems Analyst, Biomathematics, from Robertson Fund payable at the full time rate of \$18,000.00 per annum to Biomathematics (General Funds) payable at the full time rate of \$18,000.00 per annum effective September 1, 1972. The source of funds for this action is the Reserve for Professional Salaries Account. (RBC 185)

32. Change in Source of Funds. Mark D. Broussard, Systems Analyst, Biomathematics, from Robertson Fund payable at the full time rate of \$18,000.00 per annum to Biomathematics (General Funds) payable at the full time rate of \$18,000.00 per annum effective January 1, 1973. The source of funds for this action is the Reserve for Professional Salaries Account. (RBC 186)

Research (Virology)

33. Change in Source of Funds. Koshi Maruyama, M. D., Associate Virologist and Assistant Professor of Virology (Without Tenure), Virology, from the ninety-six percent time rate of \$20,000.00 per annum paid from Leukemia Society Scholarship and the four percent time rate of \$750.00 per annum paid from Contract PHS-PH-43-NCI-E-65-604 to the full time rate of \$20,750.00 per annum paid from Virology (General Funds) effective July 1, 1973. The source of funds for this action is the Reserve for Professional Salaries Account. (RBC 191)

34. Appointment. William A. Newton, Jr., M. D., Ph.D., Assistant Virologist and Assistant Professor of Virology (Without Tenure), Virology, payable at the full time rate of \$20,000.00 per annum from Grant NIH-1-R26-CA-15438 effective July 15, 1973. The source of funds for this action is available grant funds. (RBC 216)

Education (Publications)

35. Continuation of Appointment. Russell W. Cumley, Ph.D., Editor and Professor of Medical Journalism (Without Tenure), Publications (General Funds), payable at the full time rate of \$32,000.00 per annum effective June 1, 1973. The source of funds for this action is the Reserve for Professional Salaries Account. (RBC 181)

Patient Care Activities (Clinic Administration)

36. Temporary Appointment. Carmen S. Williams, Clinic Administrative Assistant, Clinic Administration (General Funds) at the fifty percent time rate of \$5,450 per annum (full time rate \$10,900.00) effective for the period June 1, 1973 through August 31, 1973. The source of funds for this temporary appointment is the budgeted position and Reserve for Professional Salaries Account. (RBC 174)

Anderson-Mayfair

37. Appointment. Blake Weimer, Resident Manager of the Anderson-Mayfair, payable at the full time rate of \$14,000.00 per annum with apartment and sustenance effective July 1, 1973. The source of funds for this appointment is the vacant budgeted position for Resident Manager of the Anderson-Mayfair. (RBC 196)

Transfer of Funds

38. Transfer of Funds. Transfer funds as indicated below to Various Departmental Maintenance and Operation Appropriations to provide funds for additional expenditures for operations not previously anticipated: (RBC 183)

TRANSFER TO:

<u>Department</u>	<u>Appropriation Item and Title</u>	<u>Page No.</u>	<u>Amount</u>
Office of Vice President for Business and Hospital Affairs	Maintenance & Operation	5	\$ 500.00
Business Office, Payroll	" "	14	500.00
Official Entertainment	" "	21	1,000.00
Anatomical Pathology	" "	28	1,000.00
Gynecology	" "	46	1,500.00
Extension Studies	" "	106	1,500.00
Blood Bank	" "	125	20,000.00
Dental Services	" "	129	400.00
Food Service	" "	131	10,000.00
Insurance	" "	135	500.00
Pharmacy	" "	145	250,000.00
Clinical Physics	" "	147	15,000.00
Clinical Isotopes	" "	150	25,000.00
Diagnostic Radiology Service	" "	152	30,000.00
Radiotherapy Service	" "	154	6,000.00
Hospital Inpatient Services- General	" "	169	35,000.00
Surgical Services	" "	167	1,000.00
Special Projects	" "	178	1,000.00
Development Office	" "	180	750.00
Information Office	" "	183	4,500.00
Central Stores & Transportation	" "	190	2,500.00
Physical Plant	" "	195	50,000.00
		Total	<u>\$457,650.00</u>

TRANSFER FROM:

<u>Department</u>	<u>Appropriation Item and Title</u>	<u>Page No.</u>	<u>Amount</u>
Nursing Service Hospital	Classified Salaries	162	\$250,000.00
Nursing Service- Operating Room	" "	164	100,000.00
Housekeeping	Maintenance & Operation	181	25,000.00
Reserves	Reserve for Maintenance and Operation	199	82,650.00
		Total	<u>\$457,650.00</u>

General Research Support Grant 5-S01-RR-05511-11

39. Funds are provided by National Institutes of Health General Research Support Grant 5-S01-RR-05511-11 for the year beginning January 1, 1973 in the amount of \$117,003 as reported in the docket for Board of Regents Meeting April 24, 1973, Item No. 5, Page No. CC-5 and have been budgeted as follows: (RBC 184)

Personnel	\$ 86,736
Fringe Benefits	6,685
Space Rental	<u>23,582</u>
	<u>\$117,003</u>

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

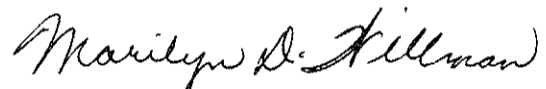
August 10, 1973

Chancellor Charles A. LeMaistre
The University of Texas System
Austin, Texas 78701

Dear Chancellor LeMaistre:

The attached docket for The University of Texas System School of Nursing is submitted for your approval and presentation to the Board of Regents at its meeting on September 14, 1973. The docket consists of 5 pages.

Sincerely yours,



Marilyn D. Willman
President

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

September 14, 1973

CLINICAL ASSISTANT PROFESSOR

Austin Nursing School

1. The President, Dean and faculty of the Austin Nursing School recommend and request renewal of the appointment of Sister Regis Maillian, Director of Nursing at Seton Hospital, as a Clinical Assistant Professor (without compensation) for the 1973-74 academic year.

GRANTS, CONTRACTS AND AGREEMENTS (Non-Governmental)

Houston Nursing School

1. Lease U-4867L - Houston which provides for classroom, office and laboratory space to be used by the Houston Nursing School. The lessor is Hermann Garage, Inc., and is for the period September 1, 1973 through December 31, 1973 at a rate of \$4,572.96 per month.

Handwritten mark: a large checkmark or 'X' with the number '400' written next to it.

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

GRANTS, CONTRACTS AND AGREEMENTS (Federal)

September 14, 1973

1. The Department of Health, Education and Welfare, Office of Education, provides for \$27,487 for the period July 1, 1973 through June 30, 1974 for the support of the College Work-Study Program. The funds will be expended in estimated amounts of \$9,429 in Travis County, \$2,694 in El Paso County, \$5,387 in Tarrant County, \$4,040 in Galveston County, \$550 in Harris County, and \$5,387 in Bexar County.
2. The Department of Health, Education and Welfare, Public Health Service, Bureau of Health Manpower Education, Grant G-7-53-9013-10-1, provides \$16,506 for the period July 1, 1973 through June 30, 1974 for support of the Graduate Nursing Student Loan and Scholarship Program. The funds will be expended in estimated amounts of \$12,545 in Travis County and \$3,961 in Bexar County.
3. The Department of Health, Education and Welfare, Public Health Service, Bureau of Health Manpower Education. Grant B-7-53-9013-10-1, provides \$255,968 for the period July 1, 1973 through June 30, 1974 for the support of the Baccalaureate Nursing Student Loan and Scholarship Program. The funds will be expended in estimated amounts of \$60,923 in Travis County, \$36,347 in El Paso County, \$40,186 in Tarrant County, \$29,692 in Galveston County, \$46,586 in Harris County, and \$42,234 in Bexar County.
4. The Department of Health, Education and Welfare, Public Health Service, Division of Nursing, Grant 2-E04-NU01360-2, provides \$298,746 for the period July 1, 1973 through June 30, 1974 for the Nursing Capitation Grant Program. The funds will be expended in estimated amounts of \$71,101 in Travis County, \$42,422 in El Paso County, \$46,903 in Tarrant County, \$34,655 in Galveston County, \$54,372 in Harris County, and \$49,293 in Bexar County.
5. The Department of Health, Education and Welfare, Public Health Service, Bureau of Health Manpower Education, Contract NO1 MB-34110 provides \$47,112 for the period June 30, 1973 through September 30, 1974 for the establishment of a model teaching laboratory. The funds will be expended in Harris County.
6. The Department of Health, Education and Welfare, Public Health Service, Division of Nursing, extends Grant 3 All NU00038-16 for one year through August 31, 1974 and awards an additional \$19,500 for the support of the Professional Nurse Traineeship Program. The funds will be expended in Travis County.
7. The Department of Health, Education and Welfare, Public Health Service, National Institute of Mental Health, Grant 5 T01 MH06340-18, provides \$26,466 for the period July 1, 1973 through June 30, 1974 for support of the Psychiatric - Mental Health Nursing Traineeship Program. The funds will be expended in Travis County.

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

September 14, 1973

System Nursing School

1. Transfer of Funds:

From: Administrative and Professional Salaries	\$24,000
To : Unallocated Account	\$24,000
For : To transfer funds in unfilled position to unallocated account. (RBC# N-199)	

Austin Nursing School

1. Transfer of Funds:

From: Classified Salaries	\$ 1,432.00
Wages	412.00
Travel	817.00
	<u>\$ 2,661.00</u>
To : Maintenance, Operation and Equipment	<u>\$ 2,661.00</u>
For : To transfer unexpended funds in various accounts to the maintenance, operation and equipment account to provide funds for operating expenses for the remainder of FY 1972-73. (RBC# N-202)	

2. Transfer of Funds:

From: Graduate Nursing School Maintenance, Operation and Equipment	\$ 1,829.09
Travel	514.96
	<u>\$ 2,344.05</u>
To : Maintenance, Operation and Equipment	<u>\$ 2,344.05</u>
For : To provide funds for operating expenses for the remainder of fiscal year. (RBC# N-208)	

El Paso Nursing School

1. Appointment of Carolyn L. Cason, Instructor (non-tenure) at a 9 months rate of \$12,000 for the period July 16, 1973 through July 31, 1973. Source of Funds: Summer Session Teaching Salaries. (RBC# N-206)

2. Transfer of Funds:

From: Wages	\$ 1,000.00
To : Maintenance, Operation and Equipment	\$ 1,000.00
For : To transfer unexpended wages to the maintenance, operation and equipment account for operating expenses for the remainder of FY 1972-73. (RBC# N-203)	

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET
(Continued)
September 14, 1973El Paso Nursing School (continued)

3. Transfer of Funds:

From: Unallocated Account	\$ 690.00
To : Summer Session Teaching Salaries	\$ 690.00
For : To provide funds for the appointment of Carolyn Cason, Instructor for the period July 16, 1973 through July 31, 1973. (RBC# N-207)	

Fort Worth Nursing School

1. Transfer of Funds:

From: Classified Personnel	\$ 4,723.88
Wages	840.10
Use of Facilities	5,260.00
Travel	1,000.00
	<u>\$11,823.98</u>
To : Maintenance, Operation and Equipment	<u>\$11,823.98</u>
For : To provide funds for operating expenditures for the remainder of FY 1972-73. (RBC# N-200)	

Galveston Nursing School

1. Resign Jeanne Wills, Assistant Professor (non-tenure) from the 1973 Summer Session Teaching Budget for the period July 16, 1973 through August 31, 1973 at a 9 months rate of \$12,400. (RBC# N-197)

2. Appointment of Nancy Wyatt, Instructor (non-tenure) at a 9 months rate of \$10,600 for the period July 16, 1973 through August 31, 1973. Source of Funds: Summer Session Teaching Salaries. (RBC# N-169)

3. Transfer of Funds:

From: Summer Session Teaching Salaries	\$ 5,300.00
Travel	1,800.00
	<u>\$ 7,100.00</u>
To : Maintenance, Operation and Equipment	\$ 6,702.60
Charge for Use of Facilities	397.40
	<u>\$ 7,100.00</u>
For : To provide funds for operations for the remainder of FY 1972-73. (RBC# N-198)	

San Antonio Nursing School

1. Transfer of Funds:

From: Classified Personnel	\$ 918.15
Wages	1,193.72
	<u>\$ 2,111.87</u>
To : Maintenance, Operation and Equipment	<u>\$ 2,111.87</u>
For : To provide funds for operating expenses for the remainder of FY 1972-73. (RBC# N-201)	

THE UNIVERSITY OF TEXAS SYSTEM SCHOOL OF NURSING

Austin - El Paso - Fort Worth - Galveston - Houston - San Antonio

RECOMMENDED AMENDMENTS TO THE 1972-73 BUDGET

(Continued)

September 14, 1973

San Antonio Nursing School (Continued)2. Transfer of Funds:

From: Travel	\$ 3,000.00
To : Maintenance, Operation and Equipment	\$ 3,000.00
For : To provide funds for operating expenses for the remainder of FY 1972-73. (RBC# N-209)	

LAND AND INVESTMENT REPORT
Meeting of September 14, 1973

INDEX

PAGE
L & I REPORT

I. PERMANENT UNIVERSITY FUND

A. INVESTMENT MATTERS - MONTH ENDED JUNE 30, 1973

- 1. Report on Securities Transactions 2
- 2. Cash Statement - Permanent Fund and Available Fund 7

B. INVESTMENT MATTERS - MONTH ENDED JULY 31, 1973

- 1. Report on Securities Transactions 9
- 2. Cash Statement - Permanent Fund and Available Fund 14

II. TRUST AND SPECIAL FUNDS

A. INVESTMENT MATTERS - MONTH ENDED JUNE 30, 1973

- 1. Report on Securities Transactions 16
- 2. Securities Transactions Detail 20

B. INVESTMENT MATTERS - MONTH ENDED JULY 31, 1973

- 1. Report on Securities Transactions 28
- 2. Securities Transactions Detail 33

C. ADDITIONS AND WITHDRAWALS TO COMMON TRUST FUND 40

LAND AND INVESTMENT REPORT

For Month Ended June 30, 1973

I. PERMANENT UNIVERSITY FUND

PERMANENT UNIVERSITY FUND - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Permanent University Fund in June, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

COMPARISON
SUMMARY OF ASSETS

SECURITY	BOOK VALUE 6/30/72	BOOK YIELD 6/30/72	BOOK VALUE 6/30/73	BOOK YIELD 6/30/73
<u>DEBT SECURITIES:</u>				
U. S. Government Obligations--				
Treasury Bonds	\$105,470,752.89	4.32%	\$ 90,949,615.75	5.16%
Government Agencies	24,907,332.17	6.91	27,728,568.52	6.93
FHA Mortgages	<u>15,758,872.31</u>	<u>6.86</u>	<u>14,203,683.21</u>	<u>7.01</u>
TOTAL - U. S. Government Obligations	<u>146,136,957.37</u>	<u>5.04</u>	<u>132,881,867.48</u>	<u>5.73</u>
Corporate Bonds	<u>234,150,768.12</u>	<u>4.91</u>	<u>242,639,586.69</u>	<u>4.95</u>
TOTAL - DEBT SECURITIES	<u>380,287,725.49</u>	<u>4.96</u>	<u>375,521,454.17</u>	<u>5.23</u>
<u>EQUITY SECURITIES:</u>				
Convertible Debentures	12,708,800.54	5.27	10,097,290.00	5.42
Convertible Preferred Stocks	15,848,192.03	4.16	6,342,900.64	3.80
Common Stocks	<u>213,536,605.13</u>	<u>4.32</u>	<u>240,744,261.57</u>	<u>4.46</u>
TOTAL - EQUITY SECURITIES	<u>242,093,597.70</u>	<u>4.36</u>	<u>257,184,452.21</u>	<u>4.48</u>
TOTAL - LONG TERM INVESTMENTS	<u>622,381,323.19</u>	<u>4.72</u>	<u>632,705,906.38</u>	<u>4.92</u>
<u>CASH & EQUIVALENT:</u>				
Short Term U. S. Treasury Securities	--	--	16,027,049.69	6.01
Commercial Paper	--	--	16,820,100.00	<u>7.55</u>
Investment Transactions--				
Accounts Receivable	790,927.77		--	
Cash	<u>3,012,820.34</u>		<u>96,665.23</u>	
TOTAL - CASH & EQUIVALENT	<u>3,803,748.11</u>		<u>32,943,814.92</u>	<u>6.78</u>
TOTAL - SECURITIES, CASH & EQUIVALENT	<u>\$626,185,071.30</u>	<u>4.70%</u>	<u>\$665,649,721.30*</u>	<u>5.01%</u>

*Includes \$39,166,194.33 Realized Net Profit

Indicated Annual Income \$ 29,430,698.35 \$ 33,349,051.04

SUMMARY OF TRANSACTIONS
June 30, 1973

	<u>Cost</u>	<u>Yield at Cost</u>
Purchases:		
U. S. Treasury Securities	\$ 750,585.94	7.17%
Corporate Bonds	1,751,550.00	7.87
Common Stocks	<u>236,250.00</u>	<u>4.66</u>
TOTAL STOCK AND BOND PURCHASES	<u>\$ 2,738,385.94</u>	<u>7.40%</u>
	<u>Proceeds</u>	<u>Gain or (Loss)</u>
Bond Maturities and Prepayments:		
U. S. Government Obligations--		
Government Agencies	\$ 173,131.25	(\$ 4,670.63)
FHA Mortgages	222,266.90	-0-
Corporate Bonds	<u>110.60</u>	<u>-0-</u>
TOTAL BOND MATURITIES AND PREPAYMENTS	<u>\$ 395,508.75</u>	<u>(\$ 4,670.63)</u>

PERMANENT UNIVERSITY FUND BOOK VALUE

May 31, 1973 Balance		\$664,366,423.06
Additions (June, 1973)		
Realized Net Gain or (Loss) on Security Transactions	(\$ 4,670.63)	
From General Land Office	<u>1,287,968.87</u>	<u>1,283,298.24</u>
June 30, 1973 Balance		<u>\$665,649,721.30</u>

INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Net Cost	Yield at Cost
<u>U. S. GOVERNMENT OBLIGATIONS:</u>				
\$ 750,000	U. S. Treasury Securities-- 7-1/4% Notes, due 5/15/74	\$100.078	\$ 750,585.94	7.17%
<u>CORPORATE BONDS:</u>				
500,000	Duke Power Co. 7-3/4% 1st & Ref. Mtge., due 6/1/2003	98.50	492,500.00	7.88
750,000	Georgia Power Co. 7-7/8% 1st Mtge., due 6/1/2003	100.29	752,175.00	7.85
500,000	Louisiana Power & Light Co. 8% 1st Mtge., due 6/1/2003	101.375	506,875.00	7.88
	TOTAL - Corporate Bonds		1,751,550.00	7.87
<u>COMMON STOCKS:</u>				
10,768 Shs.	International Business Machines Corp., 25% stock split	--	--	--
10,000 "	Middle South Utilities, Inc.	23.625	236,250.00	4.66
40,000 "	Upjohn Co., 2-for-1 split	--	--	--
	TOTAL - Common Stocks		236,250.00	4.66
	TOTAL - STOCKS AND BONDS		2,738,385.94	7.40
<u>COMMERCIAL PAPER:</u>				
\$2,194,000	Ford Motor Credit Co.	100.00	2,194,000.00	8.09
544,000	General Motors Acceptance Corp.	100.00	544,000.00	7.625
	TOTAL - Commercial Paper		2,738,000.00	8.00
	TOTAL - INVESTMENTS ACQUIRED		\$ 5,476,385.94	7.70%

INVESTMENTS DISPOSED OF

Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)
<u>BOND MATURITIES AND PREPAYMENTS</u>				
<u>U. S. GOVERNMENT OBLIGATIONS:</u>				
<u>Government Agencies--</u>				
\$ 8,535.57	Farmers Home Administration Insured Notes	\$100.00	\$ 8,535.57	\$ 204.85
164,595.68	GNMA, Various Pools	100.00	<u>164,595.68</u>	(<u>4,875.48</u>)
	TOTAL - Government Agencies		<u>173,131.25</u>	(<u>4,670.63</u>)
<u>FHA Mortgages--</u>				
222,266.90	Principal Payments	100.00	<u>222,266.90</u>	<u>-0-</u>
	TOTAL - U. S. Government Obligations		<u>395,398.15</u>	(<u>4,670.63</u>)
<u>CORPORATE BONDS:</u>				
--	Georgia Power Co. Judgment Payment 4-1/8% 1st Mtge., due 3/1/88	--	<u>110.60</u>	<u>-0-</u>
	TOTAL - LONG TERM INVESTMENTS		<u>395,508.75</u>	(<u>4,670.63</u>)
<u>COMMERCIAL PAPER:</u>				
\$2,308,000	Ford Motor Credit Co.	100.00	2,308,000.00	-0-
1,051,000	General Motors Acceptance Corp.	100.00	<u>1,051,000.00</u>	<u>-0-</u>
	TOTAL - Commercial Paper		<u>3,359,000.00</u>	<u>-0-</u>
	TOTAL - INVESTMENTS DISPOSED OF		<u>\$ 3,754,508.75</u>	(<u>\$ 4,670.63</u>)

PERMANENT UNIVERSITY FUND
(June, 1973)

BOND MATURITIES AND PREPAYMENTS

<u>PAR</u> <u>VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
\$ 8,535.57	Farmers Home Admin. 6% Insured Notes, due 12/14/91	\$ 8,535.57	\$ 204.85
12,677.29	GNMA, Pass-Through Pool #92, 8%, due 2/15/2001	12,677.29	(201.57)
4,952.54	GNMA, Pass-Through Pool #114, 8%, due 1/15/2001	4,952.54	(1,139.58)
12,771.71	GNMA, Pass-Through Pool #152, 8%, due 2/15/2001	12,771.71	(2,825.10)
707.03	GNMA, Pass-Through Pool #236, 8%, due 1/15/2001	707.03	(102.02)
18,212.28	GNMA, Pass-Through Pool #456, 8%, due 4/15/2001	18,212.28	(1,466.09)
7,153.20	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	7,153.20	(236.77)
37,017.56	GNMA, Pass-Through Pool #682, 7-1/2%, due 5/15/2001	37,017.56	(1,173.46)
4,077.38	GNMA, Pass-Through Pool #832, 6-1/2%, due 1/15/2002	4,077.38	181.44
769.52	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	769.52	32.40
5,376.99	GNMA, Pass-Through Pool #905, 6-1/2%, due 7/15/2001	5,376.99	317.78
460.90	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	460.90	1.24
467.64	GNMA, Pass-Through Pool #1029, 6-1/2%, due 12/15/2001	467.64	29.79
1,794.13	GNMA, Pass-Through Pool #1033, 6-1/2%, due 2/15/2002	1,794.13	75.53
943.80	GNMA, Pass-Through Pool #1105, 6-1/2%, due 1/15/2002	943.80	34.64
7,915.94	GNMA, Pass-Through Pool #1157, 6-1/2%, due 1/15/2002	7,915.94	352.25
20,103.70	GNMA, Pass-Through Pool #1252, 6-1/2%, due 1/15/2002	20,103.70	645.33
5,364.11	GNMA, Pass-Through Pool #1306, 6-1/2%, due 1/15/2002	5,364.11	232.27
1,780.92	GNMA, Pass-Through Pool #1997, 6-1/2%, due 8/15/2002	1,780.92	90.83
<u>22,049.04</u>	GNMA, Pass-Through Pool #2084, 7%, due 9/15/2002	<u>22,049.04</u>	<u>275.61</u>
<u>\$ 173,131.25</u>	TOTAL BONDS MATURED AND PREPAID	<u>\$ 173,131.25</u>	<u>(\$ 4,670.63)</u>

GEORGIA POWER COMPANY JUDGMENT PAYMENT

PAYMENT PURSUANT TO A JUDGMENT OF THE SUPERIOR COURT OF FULTON COUNTY, GEORGIA ENTERED SEPTEMBER 20, 1972, IN THE CASE OF GEORGIA POWER COMPANY V. CHEMICAL BANK, AS TRUSTEE, ET AL., BONDS OF RECORD NOVEMBER 27, 1972. PAYMENT AT THE RATE OF \$1.58 PER \$1,000 PRINCIPAL AMOUNT OF FIRST MORTGAGE BONDS OF GEORGIA POWER COMPANY.

<u>Issue</u>	<u>Par Value</u> <u>Held</u>	<u>Book Value</u>	<u>Write Down</u>	<u>Book Value</u> <u>after</u> <u>Write Down</u>
4-1/8% First Mortgage Bonds, due 3/1/88	\$70,000	\$64,756.36	\$110.60	\$64,645.76

CASH STATEMENT
June 30, 1973

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>RECEIPTS:</u>		
From General Land Office	\$ 1,287,968.87	
From Disposition of Securities:		
U. S. Government Obligations		
Farmers Home Administration	8,535.57	
GNMA Principal Payments	164,595.68	
FHA Mortgages	222,266.90	
Corporate Bonds	110.60	
Commercial Paper	3,359,000.00	
Interest Collected:		
U. S. Government Obligations		
U. S. Treasury Securities		(\$ 4,028.87)
Farmers Home Administration		661.45
GNMA Interest Payments		137,345.95
FHA Mortgages		82,039.81
Corporate Bonds		1,121,092.95
Convertible Debentures		12,500.00
Commercial Paper		78,143.87
Dividends Collected:		
Common and Preferred Stocks		1,550,161.71
Amortization of Premium	1,618.58	
Accounts Receivable Collected	<u>109,374.27</u>	
TOTAL RECEIPTS	5,153,470.47	<u>\$2,977,916.87</u>
Cash on Hand 6/1/73	<u>464,931.00</u>	
TOTAL RECEIPTS AND CASH	<u>\$ 5,618,401.47</u>	

CASH STATEMENT
June 30, 1973
(Continued)

	Permanent Fund	Available Fund
<u>DISBURSEMENTS:</u>		
Securities Acquired:		
U. S. Government Obligations		
U. S. Treasury Securities	\$ 750,585.94	
Corporate Bonds	1,751,550.00	
Common Stocks	236,250.00	
Commercial Paper	2,738,000.00	
Amortization of Discount	45,350.30	
To Clear Out Available Fund		\$2,977,916.87
TOTAL DISBURSEMENTS	5,521,736.24	<u>\$2,977,916.87</u>
Cash on Hand 6/30/73	96,665.23	
 TOTAL DISBURSEMENTS AND CASH	 <u>\$ 5,618,401.47</u>	

For Month Ended July 31, 1973

I. PERMANENT UNIVERSITY FUND

PERMANENT UNIVERSITY FUND - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Permanent University Fund in July, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

COMPARISON
SUMMARY OF ASSETS

SECURITY	BOOK VALUE 7/31/72	BOOK YIELD 7/31/72	BOOK VALUE 7/31/73	BOOK YIELD 7/31/73
<u>DEBT SECURITIES:</u>				
U. S. Government Obligations--				
Treasury Bonds	\$105,470,752.89	4.32%	\$ 90,949,615.75	5.16%
Government Agencies	24,842,822.28	6.91	30,402,461.66	6.95
FHA Mortgages	<u>15,705,625.62</u>	<u>6.86</u>	<u>14,074,438.15</u>	<u>7.01</u>
TOTAL - U. S. Government Obligations	<u>146,019,200.79</u>	<u>5.03</u>	<u>135,426,515.56</u>	<u>5.75</u>
Corporate Bonds	<u>233,735,792.28</u>	<u>4.93</u>	<u>243,214,167.34</u>	<u>4.96</u>
TOTAL - DEBT SECURITIES	<u>379,754,993.07</u>	<u>4.97</u>	<u>378,640,682.90</u>	<u>5.24</u>
<u>EQUITY SECURITIES:</u>				
Convertible Debentures	10,499,040.32	5.24	10,097,290.00	5.42
Convertible Preferred Stocks	15,848,192.03	4.16	6,342,900.64	3.80
Common Stocks	<u>221,051,630.83</u>	<u>4.36</u>	<u>241,923,401.77</u>	<u>4.57</u>
TOTAL - EQUITY SECURITIES	<u>247,398,863.18</u>	<u>4.38</u>	<u>258,363,592.41</u>	<u>4.58</u>
TOTAL - LONG TERM INVESTMENTS	<u>627,153,856.25</u>	<u>4.74</u>	<u>637,004,275.31</u>	<u>4.97</u>
<u>CASH & EQUIVALENT:</u>				
Short Term U. S. Treasury Securities	---	---	16,027,049.69	6.01
Commercial Paper	---	---	14,264,100.00	<u>9.02</u>
Investment Transactions--				
Accounts Receivable	510.75		812.50	
Cash	<u>804,453.58</u>		<u>395,439.17</u>	
TOTAL - CASH & EQUIVALENT	<u>804,964.33</u>		<u>30,687,401.36</u>	<u>7.33</u>
TOTAL - SECURITIES, CASH & EQUIVALENT	<u>\$627,958,820.58</u>	<u>4.73%</u>	<u>\$667,691,676.67*</u>	<u>5.08%</u>

*Includes \$39,161,601.18 Realized Net Profit

Indicated Annual Income \$ 29,702,452.21 \$ 33,918,737.17

SUMMARY OF TRANSACTIONS
July 31, 1973

	Cost	Yield at Cost
Purchases:		
U. S. Government Obligations (Guaranteed)	\$ 2,948,185.70	7.12%
Corporate Bonds	579,552.00	7.94
Common Stocks	1,179,140.20	5.38
TOTAL STOCK AND BOND PURCHASES	\$ 4,706,877.90	6.79%

	Proceeds	Gain or (Loss)
Bond Maturities and Prepayments:		
U. S. Government Obligations (Guaranteed)--		
Government Agencies	\$ 269,051.28	(\$ 5,790.25)
FHA Mortgages	129,245.06	-0-
Corporate Bonds	34,000.00	1,197.10
TOTAL BOND MATURITIES AND PREPAYMENTS	\$ 432,296.34	(\$ 4,593.15)

PERMANENT UNIVERSITY FUND BOOK VALUE

June 30, 1973 Balance		\$665,649,721.30
Additions (July, 1973)		
Realized Net Gain or (Loss) on Security Transactions	(\$ 4,593.15)	
From General Land Office	2,046,548.52	2,041,955.37
July 31, 1973 Balance		\$667,691,676.67

INVESTMENTS ACQUIRED

Par Value or No. Shares	Description	Price	Total Net Cost	Yield at Cost
<u>U. S. GOVERNMENT OBLIGATIONS (Direct and Guaranteed):</u>				
<u>GNMA Pass-Throughs (Guaranteed)--</u>				
\$2,000,000	Pool #2455, 5-1/2%, due 2/15/99	\$ 86.00	\$ 1,720,000.00	6.65%
<u>Other (Guaranteed)--</u>				
230,000	U. S. Government Insured Merchant Marine Bonds 653 Leasing Co. (Sun Shipbuilding & Dry Dock Co.) 7.85%, due 10/31/89	100.434	230,998.20	7.80
1,000,000	Washington Metropolitan Area Transit Authority 7-3/4% Transit Bonds, Series C, due 7/1/2013	99.719	997,187.50	7.77
TOTAL - Other			1,228,185.70	7.78
TOTAL - U. S. Government Obligations			2,948,185.70	7.12
<u>CORPORATE BONDS:</u>				
300,000	Arkansas Power & Light Co. 8% 1st Mtge., due 8/1/2001	100.00	300,000.00	8.00
300,000	Public Service Co. of New Mexico 7-1/4% 1st Mtge., due 4/1/99	93.184	279,552.00	7.87
TOTAL - Corporate Bonds			579,552.00	7.94
<u>COMMON STOCKS:</u>				
18,500 Shs.	Montana Power Co.	31.74	587,243.00	5.67
30,000 "	United Telecommunications, Inc.	19.73	591,897.20	5.10
TOTAL - Common Stocks			1,179,140.20	5.38
TOTAL - STOCKS AND BONDS			4,706,877.90	6.79
<u>COMMERCIAL PAPER:</u>				
\$ 375,000	Ford Motor Credit Co.	100.00	375,000.00	9.13
550,000	General Motors Acceptance Corp.	100.00	550,000.00	8.75
300,000	Sears Roebuck Acceptance Corp.	100.00	300,000.00	9.125
TOTAL - Commercial Paper			1,225,000.00	8.96
TOTAL - INVESTMENTS ACQUIRED			\$ 5,931,877.90	7.24%

INVESTMENTS DISPOSED OF

Par Value or No. Shares	Description	Price	Total Net Proceeds	Gain or (Loss)
<u>BOND MATURITIES AND PREPAYMENTS</u>				
<u>U. S. GOVERNMENT OBLIGATIONS:</u>				
<u>Government Agencies--</u>				
\$ 64,319.02	Farmers Home Administration Insured Notes	\$100.00	\$ 64,319.02	(\$ 1,096.67)
204,732.26	GNMA, Various Pools	100.00	204,732.26	4,693.58)
	TOTAL - Government Agencies		269,051.28	(5,790.25)
<u>FHA Mortgages--</u>				
129,245.06	Principal Payments	100.00	129,245.06	-0-
	TOTAL - U. S. Government Obligations		398,296.34	(5,790.25)
<u>CORPORATE BONDS:</u>				
34,000.00	Peoples Gas Light & Coke Co. 5-3/8% 1st & Ref. Mtge., due 7/15/91	100.00	34,000.00	1,197.10
	TOTAL - LONG TERM INVESTMENTS		432,296.34	(4,593.15)
<u>COMMERCIAL PAPER:</u>				
\$1,237,000	Ford Motor Credit Co.	100.00	1,237,000.00	-0-
2,544,000	General Motors Acceptance Corp.	100.00	2,544,000.00	-0-
	TOTAL - Commercial Paper		3,781,000.00	-0-
	TOTAL - INVESTMENTS DISPOSED OF		\$ 4,213,296.34	(\$ 4,593.15)

PERMANENT UNIVERSITY FUND

(July, 1973)

BOND MATURITIES AND PREPAYMENTS

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>Corporate Bonds</u>			
\$ 34,000.00	Peoples Gas Light & Coke Co. 5-3/8% 1st & Ref. Mtge., due 7/15/91	\$ 34,000.00	\$ 1,197.10
<u>U. S. Government Obligations</u>			
12,138.71	Farmers Home Admin. 6% Insured Notes, due 12/14/91	12,138.71	291.33
52,180.31	Farmers Home Admin. 5-3/4% Insured Notes, due 6/29/2001	52,180.31	(1,388.00)
8,820.59	GNMA, Pass-Through Pool #92, 8%, due 2/15/2001	8,820.59	(140.25)
7,917.11	GNMA, Pass-Through Pool #114, 8%, due 1/15/2001	7,917.11	(1,809.06)
14,547.22	GNMA, Pass-Through Pool #152, 8%, due 2/15/2001	14,547.22	(3,217.85)
717.18	GNMA, Pass-Through Pool #236, 8%, due 1/15/2001	717.18	(102.84)
16,715.72	GNMA, Pass-Through Pool #456, 8%, due 4/15/2001	16,715.72	(1,345.62)
10,581.51	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	10,581.51	(350.25)
27,461.60	GNMA, Pass-Through Pool #682, 7-1/2%, due 5/15/2001	27,461.60	(870.53)
3,192.26	GNMA, Pass-Through Pool #832, 6-1/2%, due 1/15/2002	3,192.26	141.42
9,635.76	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	9,635.76	402.77
7,939.77	GNMA, Pass-Through Pool #905, 6-1/2%, due 7/15/2001	7,939.77	466.06
5,011.56	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	5,011.56	13.53
459.67	GNMA, Pass-Through Pool #1029, 6-1/2%, due 12/15/2001	459.67	29.28
2,170.30	GNMA, Pass-Through Pool #1033, 6-1/2%, due 2/15/2002	2,170.30	91.37
16,134.07	GNMA, Pass-Through Pool #1105, 6-1/2%, due 1/15/2002	16,134.07	588.89
995.59	GNMA, Pass-Through Pool #1157, 6-1/2%, due 1/15/2002	995.59	44.10
16,755.81	GNMA, Pass-Through Pool #1252, 6-1/2%, due 1/15/2002	16,755.81	534.51
2,320.37	GNMA, Pass-Through Pool #1306, 6-1/2%, due 1/15/2002	2,320.37	100.01
1,794.30	GNMA, Pass-Through Pool #1997, 6-1/2%, due 8/15/2002	1,794.30	91.51
51,561.87	GNMA, Pass-Through Pool #2084, 7%, due 9/15/2002	51,561.87	639.37
<u>269,051.28</u>	Total U. S. Government Obligations	<u>269,051.28</u>	(5,790.25)
<u>\$ 303,051.28</u>	TOTAL BOND MATURITIES AND PREPAYMENTS	<u>\$ 303,051.28</u>	<u>(\$ 4,593.15)</u>

CASH STATEMENT
July 31, 1973

	<u>Permanent Fund</u>	<u>Available Fund</u>
<u>RECEIPTS:</u>		
From General Land Office	\$ 2,046,548.52	
From Disposition of Securities:		
U. S. Government Obligations		
Farmers Home Administration	64,319.02	
GNMA Principal Payments	204,732.26	
FHA Mortgages	129,245.06	
Corporate Bonds	34,000.00	
Commercial Paper	3,781,000.00	
Interest Collected:		
U. S. Government Obligations		
Farmers Home Administration		\$ 1,518.46
GNMA Interest Payments		154,582.33
FHA Mortgages		81,000.94
Other Guaranteed Obligations		(9,394.16)
Corporate Bonds		988,876.83
Convertible Debentures		87,500.00
Commercial Paper		174,712.94
Dividends Collected:		
Common and Preferred Stocks		906,737.05
Amortization of Premium	<u>3,049.97</u>	
TOTAL RECEIPTS	6,262,894.83	<u>\$2,385,534.39</u>
Cash on Hand 7/1/73	<u>96,665.23</u>	
TOTAL RECEIPTS AND CASH	<u>\$ 6,359,560.06</u>	

CASH STATEMENT
July 31, 1973
(Continued)

	Permanent Fund	Available Fund
<u>DISBURSEMENTS:</u>		
Securities Acquired:		
U. S. Government Obligations		
GNMA	\$ 1,720,000.00	
Other Guaranteed Obligations	1,228,185.70	
Corporate Bonds	579,552.00	
Common Stocks	1,179,140.20	
Commercial Paper	1,225,000.00	
Amortization of Discount	31,430.49	
To Clear Out Available Fund		\$2,385,534.39
TOTAL DISBURSEMENTS	5,963,308.39	\$2,385,534.39
Cash and Receivables 7/31/73:		
Cash on Hand	395,439.17	
Accounts Receivable	812.50	
TOTAL CASH AND RECEIVABLES	396,251.67	
TOTAL DISBURSEMENTS, CASH AND RECEIVABLES 7/31/73	\$ 6,359,560.06	

For Month Ended June 30, 1973

II. TRUST AND SPECIAL FUNDS

TRUST AND SPECIAL FUNDS - INVESTMENT MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Trust and Special Funds in June, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

SUMMARY OF TRANSACTIONS
THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
June, 1973

	<u>Cost</u>		<u>Yield at Cost</u>
Purchases:			
Corporate Bonds	\$ 2,419,324.96		7.97%
Common Stocks	<u>1,302,128.10</u>		<u>3.42</u>
TOTAL STOCK AND BOND PURCHASES FOR COMMON TRUST FUND	<u>\$ 3,721,453.06</u>		<u>6.38%</u>
	<u>Proceeds</u>	<u>Gain or (Loss)</u>	<u>Yield at Sale Price</u>
Sales:			
Corporate Bonds	\$ 36,562.00	\$ 1,386.94	7.10%
Bond Maturities and Prepayments:			
Government Agencies	<u>3,791.53</u>	(<u>9.87</u>)	
TOTAL SALES, MATURITIES AND PREPAYMENTS FOR COMMON TRUST FUND	<u>\$ 40,353.53</u>	<u>\$ 1,377.07</u>	

INVESTMENTS ACQUIRED

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Cost</u>	<u>Yield at Cost</u>
	<u>U. S. GOVERNMENT OBLIGATIONS:</u> See Bond Purchase Schedule for Detail		
\$2,005,527.57	Sealy and Smith Foundation 1969 Commitment - Expansion and Building Program - GMB	<u>\$1,979,833.62</u>	<u>7.64%</u>
	<u>CORPORATE BONDS:</u> See Bond Purchase Schedule for Detail		
2,851,000.00	Common Trust Fund	<u>2,419,324.96</u>	<u>7.97</u>
	<u>COMMON STOCKS:</u> See Stock Purchase Schedule for Detail		
	Common Trust Fund	1,302,128.10	3.42
	Libbie Moody Thompson Trust - GMB	55,958.53	5.25
	The Libbie Moody Thompson Memorial Trust - GMB	26,128.97	5.58
	The Robertson-Poth Charitable Remainder Trust - GMB	<u>39,526.89</u>	<u>4.34</u>
	TOTAL - Common Stocks	<u>1,423,742.49</u>	<u>3.56</u>
	TOTAL - STOCKS AND BONDS	<u>\$5,822,901.07</u>	<u>6.78%</u>
	<u>SHORT TERM PAPER:</u>		
\$2,081,000	SRAC 7.40% Note, due 6/19/73 (Sealy and Smith Foundation 1969 Commitment - Expansion and Building Program - GMB)	\$2,081,000.00	7.43%
345,000	FMC 7.95% Note, due 7/3/73 (Common Trust Fund)	345,000.00	7.97
121,650	GMAC 7-5/8% Note, due 7/12/73 (Common Trust Fund)	121,650.00	7.67
112,000	FMC 8-1/2% Note, due 7/27/73 (\$ 35,600 - Common Trust Fund - Undistributed Receipts 200 - Texas Veterans of World War II Memorial Scholarship 100 - Lyndon B. Johnson School of Public Affairs - Scholarship Fund - Various Donors 4,800 - Student Property Deposit Scholarship Fund 1,300 - Texas Union Building Fund 70,000 - Common Trust Fund)	112,000.00	8.56
175,000	SRAC 7.95% Note, due 8/31/73 (Common Trust Fund - Undistributed Receipts)	175,000.00	8.08

INVESTMENTS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
<u>U. S. GOVERNMENT OBLIGATIONS:</u>			
See Bond Maturities and Prepayments Schedule for Detail			
\$ 3,791.53	Common Trust Fund	\$ 3,791.53	(\$ 9.87)
804.73	The William Buchanan Chair in Internal Medicine - DMS	804.73	(10.04)
62.78	Reserve for Possible Fire Losses - Temporary Student Housing Units	62.78	0.78
146.61	Texas Union Building Fund	146.61	13.25
1,512.03	Student Property Deposit Scholar- ship Fund	1,512.03	20.90
1,901.50	Student Property Deposit Scholar- ship Fund - Temporary	1,901.50	43.47
3,134.39	U.T. System - General Tuition Revenue Bonds, Series 1971, 1972, & 1972A - Reserve Fund	3,134.39	65.73
5,480.24	U.T. Austin - Dormitory Revenue Bond Fund, Series 1954 - Reserve Fund	5,480.24	(281.68)
1,162.16	U.T. Austin - Dormitory Revenue Bonds Fund, Series 1956 - Reserve Fund	1,162.16	(61.96)
1,158.91	U.T. Austin - Student Housing Revenue Bonds of 1963 - Reserve Fund	1,158.91	17.17
5,995.08	U.T. Austin - Housing System Revenue Bonds, Series 1967 - Reserve Fund	5,995.08	84.21
10,650.50	U.T. Austin - Building Revenue Bonds, Series 1969 - Utility Plant - Student Fee Revenue Bonds - Reserve Fund	10,650.50	(588.35)
2,756.21	U.T. Austin - Combined Fee Revenue Bonds, Series 1970, 1971 & 1972 - Reserve Fund	2,756.21	151.88
427.64	U.T. Austin - Student Union Revenue Bonds, Series 1958 - Reserve Fund	427.64	17.42
1,319.84	Galveston Medical Branch - Dormitory Revenue Bonds, Series 1955 - Reserve Fund	1,319.84	0.11
966.40	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Interest & Sinking Fund	966.40	57.02
10,873.04	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Reserve Fund	10,873.04	652.81
27.29	U.T. El Paso - Student Housing Revenue Bonds of 1961 - Reserve Fund	27.29	0.81
2,029.48	U.T. El Paso - Building Revenue Bonds, Series 1969 - Reserve Fund	2,029.48	46.87
968.55	U.T. El Paso - Student Union Building Revenue Bonds, Series A and B, 1967 - Reserve Fund	968.55	(45.88)
1,453.29	U.T. El Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	1,453.29	84.26

INVESTMENTS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>	
<u>U. S. GOVERNMENT OBLIGATIONS: (Continued)</u>				
\$ 591.60	U.T. Arlington - Housing System Revenue Bonds - Series 1963 - Reserve Fund	\$ 591.60	\$ 11.75	
423.69	U.T. Arlington - Student Center Fee Bonds, Series 1960 - Reserve Fund	423.69	-0-	
436.93	U.T. Arlington - Gymnasium Fee Bonds - Series 1961 - Reserve Fund	436.93	-0-	
3,014.71	U.T. Arlington - Student Fee Revenue Bonds - Series 1964, Series 1966, and Series 1968 - Reserve Fund	3,014.71	(81.00)	
383.89	U.T. Arlington - Combined Fee Revenue Bonds, Series 1971, 1971A & 1973 - Reserve Fund	<u>383.89</u>	<u>18.21</u>	
	TOTAL - U. S. Government Obligations	<u>61,473.02</u>	<u>207.87</u>	
<u>CORPORATE BONDS:</u>				
	See Bond Sales Schedule for Detail			<u>Yield at Sale Price</u>
\$ 50,000	Common Trust Fund	36,562.00	1,386.94	7.10%
2,500,000	Sealy and Smith Foundation 1969 Commitment - Expansion and Building Program - GMB	<u>2,081,860.00</u>	<u>-0-</u>	<u>8.00</u>
	TOTAL - Corporate Bonds	<u>2,118,422.00</u>	<u>1,386.94</u>	<u>7.98%</u>
<u>COMMON STOCKS:</u>				
	See Stock Sales Schedule for Detail			
	Bess Heflin Fellowship Fund	11,110.00	(4,112.14)	5.82%
	R. D. Woods Unitrust	<u>26,403.56</u>	<u>180.43</u>	<u>3.99</u>
	TOTAL - Common Stocks	<u>37,513.56</u>	(<u>3,931.71</u>)	<u>4.53%</u>
	TOTAL - STOCKS AND BONDS DISPOSED OF	<u>\$2,217,408.58</u>	<u>(\$ 2,336.90)</u>	
<u>SHORT TERM PAPER:</u>				
200,000	SRAC 7-3/8% Note, due 6/13/73 (Common Trust Fund)	\$ 200,000.00	-0-	
617,000	SRAC 7-1/4% Note, due 6/8/73 (Common Trust Fund)	617,000.00	-0-	
494,000	SRAC 7.40% Note, due 6/19/73 (Sealy and Smith Foundation 1969 Commitment - Expansion and Building Program - GMB - Prepaid 6/11/73)	494,000.00	-0-	
122,000	SRAC 7-5/8% Note, due 6/21/73 (Common Trust Fund)	122,000.00	-0-	
1,587,000	SRAC 7-1/2% Note, due 6/22/73 (Sealy and Smith Foundation 1969 Commitment - Expansion and Building Program - GMB)	1,587,000.00	-0-	

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(June, 1973)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD AT COST</u>
		<u>UNIT</u>	<u>TOTAL</u>	
\$ 2,500,000	First Hutchings-Sealy National Bank of Galveston 6% Sub. Debs., with various maturities (5/6/80 thru 5/1/97)	\$ 83.274	\$ 2,081,860.00	8.00%
100,000	New York Tel. Co. 7-3/4% Ref. Mtge., due 12/15/2006	100.00	100,000.00	7.75
100,000	Louisiana Power & Light Co. 8% 1st Mtge., due 6/1/2003	101.375	101,375.00	7.88
100,000	Georgia Power Co. 7-7/8% 1st Mtge., due 6/1/2003	100.29	100,290.00	7.85
51,000	Florida Power Corp. 4-5/8% 1st Mtge., due 4/1/95	70.196	35,799.96	7.40
<u>\$ 2,851,000</u>			<u>\$ 2,419,324.96</u>	<u>7.97%</u>

STOCK PURCHASES

<u>NO. OF SHS. PURCHASED</u>	<u>ISSUE</u>	<u>COST</u>		<u>YIELD AT COST</u>
		<u>UNIT</u>	<u>TOTAL</u>	
10,000 Shs.	Consolidated Foods Corporation Common Stock	\$ 33.444	\$ 334,444.70	3.89%
5,000 "	Continental Telephone Corporation Common Stock	22.692	113,459.00	3.71
10,000 "	Federated Department Stores, Inc. Common Stock	42.045	420,446.20	2.57
5,000 "	Florida Power & Light Company Common Stock	38.493	192,462.70	2.86
10,000 "	Middle South Utilities, Inc. Common Stock	24.132	241,315.50	4.56
			<u>\$ 1,302,128.10</u>	<u>3.42%</u>

STOCK RECEIVED

<u>NO. OF SHS. RECEIVED</u>	<u>ISSUE</u>	
1,249 Shs.	International Business Machines Corporation Capital Stock	(Received in 25% stock dividend)

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND

(June, 1973)

BOND SALES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD AT SALE PRICE</u>
\$ <u>50,000</u>	Indianapolis Power & Light Co. 4-1/8% 1st Mtge., due 3/1/88	\$ <u>36,562.00</u>	\$ <u>1,386.94</u>	<u>7.10%</u>

BOND MATURITIES AND PREPAYMENTS

\$ 213.35	GNMA, Pass-Through Pool #95, 8%, due 12/15/2000	\$ 213.35	(\$ 11.54)
168.61	GNMA, Pass-Through Pool #163, 8%, due 2/15/2001	168.61	(9.17)
1,139.63	GNMA, Pass-Through Pool #548, 8%, due 4/15/2001	1,139.63	(62.00)
216.56	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	216.56	(11.78)
1,104.57	GNMA, Pass-Through Pool #708, 6-1/2%, due 11/15/2001	1,104.57	46.39
471.09	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	471.09	46.45
<u>477.72</u>	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	<u>477.72</u>	(8.22)
\$ <u>3,791.53</u>		\$ <u>3,791.53</u>	(\$ <u>9.87</u>)

THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL

(June, 1973)

BOND MATURITIES AND PREPAYMENTS

\$ 751.36	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	\$ 751.36	(\$ 14.13)
<u>53.37</u>	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	<u>53.37</u>	4.09
\$ <u>804.73</u>		\$ <u>804.73</u>	(\$ <u>10.04</u>)

BESS HEFLIN FELLOWSHIP FUND

(June, 1973)

STOCK SALES

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD AT SALE PRICE</u>
404 Shs.	Rockwell International Corporation Common Stock	<u>\$ 11,110.00</u>	<u>(\$ 4,112.14)</u>	<u>5.82%</u>

R. D. WOODS UNITRUST

(June, 1973)

STOCK SALES

278 Shs.	Exxon Corporation Capital Stock	<u>\$ 26,403.56</u>	<u>\$ 180.43</u>	<u>3.99%</u>
----------	---------------------------------	---------------------	------------------	--------------

22

THE CHARLES F. AND AGNES T. WIEBUSCH UNITRUST

(June, 1973)

STOCK RECEIVED

<u>NO. OF SHS. RECEIVED</u>	<u>ISSUE</u>	
200 Shs.	G. D. Searle & Company Common Stock	(Received in 3-for-1 stock split)

STOCK PURCHASES
(June, 1973)

<u>NO. OF SHS.</u> <u>PURCHASED</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST</u> <u>TOTAL</u>	<u>YIELD</u> <u>AT COST</u>
<u>LIBBIE MOODY THOMPSON TRUST - GALVESTON MEDICAL BRANCH</u>				
500 Shs.	Carolina Power & Light Company Common Stock	\$ 26.135	\$ 13,067.27	5.82%
500 "	Continental Telephone Corporation Common Stock	22.875	11,437.50	3.85
500 "	The Montana Power Company Common Stock	33.664	16,832.11	5.35
400 "	Union Carbide Corporation Common Stock	36.554	14,621.65	5.74
			<u>\$ 55,958.53</u>	<u>5.25%</u>
<u>THE LIBBIE MOODY THOMPSON MEMORIAL TRUST - GALVESTON MEDICAL BRANCH</u>				
500 Shs.	Carolina Power & Light Company Common Stock	\$ 26.135	\$ 13,067.26	5.82%
388 "	The Montana Power Company Common Stock	33.664	13,061.71	5.35
			<u>\$ 26,128.97</u>	<u>5.58%</u>
<u>THE ROBERTSON-POTH CHARITABLE REMAINDER TRUST - GALVESTON MEDICAL BRANCH</u>				
500 Shs.	Continental Telephone Corporation Common Stock	\$ 22.875	\$ 11,437.50	3.85%
512 "	The Montana Power Company Common Stock	33.664	17,236.08	5.35
200 "	The St. Paul Companies, Inc. Capital Stock	35.9895	7,197.90	2.00
100 "	Union Carbide Corporation Common Stock	36.544	3,655.41	5.74
			<u>\$ 39,526.89</u>	<u>4.34%</u>

SEALY AND SMITH FOUNDATION 1969 COMMITMENT -
EXPANSION AND BUILDING PROGRAM - GALVESTON MEDICAL BRANCH
 (June, 1973)

BOND SALES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD AT SALE PRICE</u>
<u>\$ 2,500,000</u>	First Hutchings-Sealy National Bank of Galveston 6% Sub. Debs., with various maturities (5/6/80 thru 5/1/97)	<u>\$ 2,081,860.00</u>	--	<u>8.00%</u>

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST TOTAL</u>	<u>YIELD AT COST</u>
\$ 499,884.48	Farmers Home Administration 7-1/2% Insured Notes, due 5/12/88	\$ 98.625	\$ 493,011.07	7.65%
<u>1,505,643.09</u>	Farmers Home Administration 7-1/2% Insured Notes, due 3/21/88	98.75	<u>1,486,822.55</u>	<u>7.64</u>
<u>\$ 2,005,527.57</u>			<u>\$ 1,979,833.62</u>	<u>7.64%</u>

GEORGE AND MAGNOLIA W. SEALY MEMORIAL FUND - GALVESTON MEDICAL BRANCH
 (June, 1973)

STOCK RECEIVED

<u>NO. OF SHS. RECEIVED</u>		
14 Shs.	International Business Machines Corporation Capital Stock	(Received in 25% stock dividend)

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS
(June, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 62.78	\$ 0.78
<u>TEXAS UNION BUILDING FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 146.61	\$ 13.25
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 421.40	(\$ 11.84)
GNMA, Pool #184, 8%, due 4/1/2001	386.62	-0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	157.08	0.09
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	546.93	32.65
	<u>\$ 1,512.03</u>	<u>\$ 20.90</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 1,725.62	\$ 36.24
GNMA, Pool #852, 6-1/2%, due 1/15/2002	175.88	7.23
	<u>\$ 1,901.50</u>	<u>\$ 43.47</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971, 1972, 1972A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 689.35	\$ 32.74
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	468.13	22.24
GNMA, Pool #1745, 6-1/2%, due 9/15/2002	903.00	51.02
GNMA, Pool #2283, 8%, due 9/15/2001	941.35	(35.30)
GNMA, Pool #2308, 8%, due 4/15/2001	132.56	(4.97)
	<u>\$ 3,134.39</u>	<u>\$ 65.73</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 450.17	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	5,030.07	(281.68)
	<u>\$ 5,480.24</u>	<u>(\$ 281.68)</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND:</u>		
GNMA, Pool #548, 8%, due 4/15/2001	\$ 1,034.83	(\$ 57.95)
GNMA, Pool #650, 8%, due 4/15/2001	127.33	(4.01)
	<u>\$ 1,162.16</u>	<u>(\$ 61.96)</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 672.61	\$ -0-
GNMA, Pool #650, 8%, due 4/15/2001	127.33	(4.01)
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	358.97	21.18
	<u>\$ 1,158.91</u>	<u>\$ 17.17</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(June, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. AUSTIN - HOUSING SYSTEM REVENUE BONDS, SERIES 1967 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,432.50	\$ 80.94
GNMA, Pool #184, 8%, due 4/1/2001	402.51	-0-
GNMA, Pool #548, 8%, due 4/15/2001	1,689.79	(94.63)
GNMA, Pool #650, 8%, due 4/15/2001	486.60	(15.33)
GNMA, Pool #708, 6-1/2%, due 11/15/2001	344.23	16.35
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	82.56	5.02
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	1,556.89	91.86
	<u>\$ 5,995.08</u>	<u>\$ 84.21</u>
 <u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u>		
<u>UTILITY PLANT - STUDENT FEE REVENUE BONDS - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 9,214.74	(\$ 512.34)
GNMA, Pool #548, 8%, due 4/15/2001	1,375.41	(77.02)
GNMA, Pool #920, 8%, due 9/15/2001	60.35	1.01
	<u>\$ 10,650.50</u>	<u>(\$ 588.35)</u>
 <u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970, 1971 & 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 92.69	\$ -0-
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	428.22	20.00
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	2,235.30	131.88
	<u>\$ 2,756.21</u>	<u>\$ 151.88</u>
 <u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 132.40	\$ -0-
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	295.24	17.42
	<u>\$ 427.64</u>	<u>\$ 17.42</u>
 <u>GALVESTON MEDICAL BRANCH - DORMITORY REVENUE BONDS, SERIES 1955 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,143.96	\$ -0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	175.88	0.11
	<u>\$ 1,319.84</u>	<u>\$ 0.11</u>
 <u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>INTEREST & SINKING FUND:</u>		
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	\$ 966.40	\$ 57.02
 <u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #1279, 6-1/2%, due 7/15/2002	\$ 443.53	\$ 49.12
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	726.01	42.83
GNMA, Pool #1710, 6-1/2%, due 9/15/2002	9,703.50	560.86
	<u>\$ 10,873.04</u>	<u>\$ 652.81</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(June, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. EL PASO - STUDENT HOUSING REVENUE BONDS OF 1961 - RESERVE FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 27.29	\$ 0.81
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 1,296.82	\$ 26.58
GNMA, Pool #184, 8%, due 4/1/2001	391.91	-0-
GNMA, Pool #920, 8%, due 9/15/2001	10.64	0.25
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	330.11	20.04
	<u>\$ 2,029.48</u>	<u>\$ 46.87</u>
<u>U. T. EL PASO - STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B, 1967 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 418.39	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	550.16	(45.88)
	<u>\$ 968.55</u>	<u>(\$ 45.88)</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>		
GNMA, Pool #920, 8%, due 9/15/2001	\$ 35.52	\$ 0.55
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	36.74	2.23
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	1,381.03	81.48
	<u>\$ 1,453.29</u>	<u>\$ 84.26</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 344.25	\$ -0-
GNMA, Pool #708, 6-1/2%, due 11/15/2001	247.35	11.75
	<u>\$ 591.60</u>	<u>\$ 11.75</u>
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 423.69	\$ -0-
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 436.93	\$ -0-
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 681.03	\$ 44.40
GNMA, Pool #548, 8%, due 4/15/2001	2,279.25	(127.64)
GNMA, Pool #852, 6-1/2%, due 1/15/2002	54.43	2.24
	<u>\$ 3,014.71</u>	<u>(\$ 81.00)</u>
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971, 1971A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 353.61	\$ 16.80
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	30.28	1.41
	<u>\$ 383.89</u>	<u>\$ 18.21</u>

For Month Ended July 31, 1973

II. TRUST AND SPECIAL FUNDS

TRUST AND SPECIAL FUNDS - INVESTMENTS MATTERS.--

REPORT ON SECURITIES TRANSACTIONS.--The following securities transactions have been made for the Trust and Special Funds in July, 1973. The Associate Deputy Chancellor for Investments, Trusts and Lands recommends approval by the Board of Regents of these transactions.

INVESTMENTS ACQUIRED

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Cost</u>	<u>Yield at Cost</u>
	<u>U. S. GOVERNMENT OBLIGATIONS (Direct and Guaranteed):</u>		
	See Bond Purchase Schedule for Detail		
	<u>Direct--</u>		
\$740,000	U.T. Austin - Combined Fee Revenue Bonds, Series 1970, 1971 & 1972 - Reserve Fund	\$ 735,721.88	7.94%
	<u>Guaranteed--</u>		
100,000	Common Trust Fund	100,000.00	7.75
	TOTAL - U. S. Government Obligations	835,721.88	7.92%
	<u>MUNICIPAL SECURITIES:</u>		
	See Bond Purchase Schedule for Detail		
1,000	The William Stamps Farish Chair in Geology	857.89	5.39%
2,000	Ima Hogg Foundation	1,670.21	5.73
	TOTAL - Municipal Securities	2,528.10	5.61%
	<u>CORPORATE BONDS:</u>		
	See Bond Purchase Schedule for Detail		
100,000	Common Trust Fund	97,835.00	7.82%
50,000	Libbie Moody Thompson Trust - GMB	48,917.50	7.82
50,000	Clark W. Thompson Trust - GMB	48,917.50	7.82
	TOTAL - Corporate Bonds	195,670.00	7.82%
	TOTAL - BOND INVESTMENTS	\$1,033,919.98	
	<u>SHORT TERM PAPER:</u>		
5,800	GMAC 8-1/2% Note, due 7/31/73 (\$4,500 - The William Buchanan Chair in Internal Medicine - DMS 1,300 - Student Property Deposit Scholarship Fund)	\$ 5,800.00	8.56%
98,000	GMAC 7-5/8% Note, due 7/12/73 (Common Trust Fund purchased from GMB funds 7/5/73)	98,000.00	7.67

INVESTMENTS ACQUIRED
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Cost</u>	<u>Yield at Cost</u>
	<u>SHORT TERM PAPER: (Continued)</u>		
\$ 33,500	GMAC 8.85% Note, due 7/26/73 (Common Trust Fund)	\$ 33,500.00	8.88%
217,000	GMAC 9.00% Note, due 8/10/73 (\$ 91,000 - Common Trust Fund 126,000 - Common Trust Fund - Undistributed Receipts)	217,000.00	9.05
106,000	FMC 9.15% Note, due 8/14/73 (\$ 10,000 - Common Trust Fund 22,700 - Common Trust Fund - Undistributed Receipts 48,300 - Cecil H. and Ida M. Green Honors Chair in Natural Sciences - U.T. Dallas 25,000 - Estelle Boughton Sharp Fund - Pioneer Oil Project)	106,000.00	9.19
100,000	SRAC 8.90% Note, due 8/31/73 (Archer M. Huntington Museum Fund)	100,000.00	9.02
115,000	GMAC 9-1/4% Note, due 8/15/73 (\$ 2,500 - C. J. Thomsen Gift 5,000 - Littlefield Fund for Southern History - Second Fund 5,000 - Anderson-Mayfair Mortgage Retirement Fund - AH 2,000 - The William Buchanan Chair in Internal Medicine - DMS 3,000 - Student Property Deposit Scholarship Fund 46,200 - Medina Oliver Loan Fund - U.T. Austin 51,300 - Cecil H. and Ida M. Green Honors Chair in Natural Sciences - U.T. Dallas)	115,000.00	9.29

INVESTMENTS DISPOSED OF

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
U. S. GOVERNMENT OBLIGATIONS:			
See Bond Maturities and Prepayments Schedule for Detail			
\$ 11,982.08	Common Trust Fund	\$ 11,982.08	\$ 453.16
1,779.78	The William Buchanan Chair in Internal Medicine - DMS	1,779.78	30.03
786.08	Reserve for Possible Fire Losses - Temporary Student Housing Units	786.08	9.59
1,835.83	Texas Union Building Fund	1,835.83	163.21
2,989.80	Student Property Deposit Scholar- ship Fund	2,989.80	32.78
2,398.63	Student Property Deposit Scholar- ship Fund - Temporary	2,398.63	93.09
17,549.25	U.T. System - General Tuition Revenue Bonds, Series 1971, 1972, & 1972A - Reserve Fund	17,549.25	(148.46)
829.15	U.T. Austin - Dormitory Revenue Bond Fund, Series 1954 - Reserve Fund	829.15	(17.86)
253.99	U.T. Austin - Dormitory Revenue Bonds Fund, Series 1956 - Reserve Fund	253.99	(9.61)
1,309.68	U.T. Austin - Student Housing Revenue Bonds of 1963 - Reserve Fund	1,309.68	15.26
3,089.02	U.T. Austin - Housing System Revenue Bonds, Series 1967 - Reserve Fund	3,089.02	77.25
1,568.62	U.T. Austin - Building Revenue Bonds, Series 1969 - Utility Plant - Student Fee Revenue Bonds - Reserve Fund	1,568.62	(39.74)
2,761.86	U.T. Austin - Combined Fee Revenue Bonds, Series 1970, 1971 & 1972 - Reserve Fund	2,761.86	151.58
445.37	U.T. Austin - Student Union Revenue Bonds, Series 1958 - Reserve Fund	445.37	17.42
3,498.76	Galveston Medical Branch - Dormitory Revenue Bonds, Series 1955 - Reserve Fund	3,498.76	1.32
966.66	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Interest & Sinking Fund	966.66	57.03
2,033.38	M. D. Anderson Hospital - Endowment and Hospital Revenue Bonds, Series 1972 - Reserve Fund	2,033.38	117.61
341.63	U.T. El Paso - Student Housing Revenue Bonds of 1961 - Reserve Fund	341.63	9.91
1,000.38	U.T. El Paso - Building Revenue Bonds, Series 1969 - Reserve Fund	1,000.38	24.84
509.04	U.T. El Paso - Student Union Building Revenue Bonds, Series A and B, 1967 - Reserve Fund	509.04	(2.91)
4,705.48	U.T. EL Paso - Combined Fee Revenue Bonds, Series 1970 & 1971 - Reserve Fund	4,705.48	(19.14)

INVESTMENTS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>	
<u>U. S. GOVERNMENT OBLIGATIONS: (Continued)</u>				
\$ 418.27	U.T. Arlington - Housing System Revenue Bonds - Series 1963 - Reserve Fund	\$ 418.27	\$ 1.34	
480.16	U.T. Arlington - Student Center Fee Bonds, Series 1960 - Reserve Fund	480.16	-0-	
495.16	U.T. Arlington - Gymnasium Fee Bonds - Series 1961 - Reserve Fund	495.16	-0-	
887.13	U.T. Arlington - Student Fee Revenue Bonds - Series 1964, Series 1966, and Series 1968 - Reserve Fund	887.13	23.43	
69.98	U.T. Arlington - Combined Fee Revenue Bonds, Series 1971, 1971A & 1973 - Reserve Fund	<u>69.98</u>	<u>3.30</u>	
	TOTAL - U. S. Government Obligations	<u>64,985.17</u>	<u>1,044.43</u>	
 <u>CORPORATE BONDS:</u>				
See Bond Maturities and Prepayments Schedule for Detail				
2,083.33	Jack G. Taylor Endowment Fund	2,083.33	-0-	
100,000.00	Archer M. Huntington Museum Fund	<u>100,000.00</u>	<u>-0-</u>	
	TOTAL - Corporate Bonds	<u>102,083.33</u>	<u>-0-</u>	
 <u>COMMON STOCKS:</u>				
See Stock Sales Schedule for Detail				
	Chancellor's Council - Unrestricted Account	4,381.50	(6,711.41)	--
	Mr. & Mrs. John de Menil Fund for Programs of Dr. Goldstein and Dr. Abell - GMB	<u>175,953.42</u>	<u>1,533.42</u>	<u>0.52%</u>
	TOTAL - Common Stocks	<u>180,334.92</u>	(<u>5,177.99</u>)	
	TOTAL - STOCKS AND BONDS DISPOSED OF	<u>\$ 347,403.42</u>	<u>(\$ 4,133.56)</u>	
 <u>SHORT TERM PAPER:</u>				
295,475	City National Bank 5-5/8% CD, due 7/5/73 (Common Trust Fund)	\$ 295,475.00	-0-	
130,000	City National Bank 5-5/8% CD, due 7/9/73 (\$ 36,000 - Common Trust Fund 94,000 - Damage Payments for West Texas Lands)	130,000.00	-0-	
4,000	GMAC 7.30% Note, due 7/2/73 (Lila Belle Etter Fund)	4,000.00	-0-	

INVESTMENTS DISPOSED OF
(Continued)

<u>Par Value</u>	<u>Description and Fund</u>	<u>Total Net Proceeds</u>	<u>Gain or (Loss)</u>
	<u>SHORT TERM PAPER: (Continued)</u>		
\$100,500	GMAC 7-5/8% Note, due 7/12/73 (\$ 2,500 - Winedale Stagecoach Inn - Varner Acreage 49,000 - Libbie Moody Thompson Trust - GMB Sold to CTF 7/5/73 49,000 - Clark W. Thompson Trust - GMB Sold to CTF 7/5/73)	\$ 100,500.00	-0-
100,000	GMAC 8.85% Note, due 7/26/73 (Common Trust Fund)	100,000.00	-0-

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(July, 1973)

BOND PURCHASES

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST</u> <u>TOTAL</u>	<u>YIELD AT COST</u>
<u>Corporate Bonds</u>				
\$ 100,000	Kansas Power & Light Co. 7-5/8% 1st Mtge., due 4/1/99	\$ 97.835	\$ 97,835.00	7.82%
<u>U. S. Government Obligations (Guaranteed)</u>				
100,000	Washington Metropolitan Area Transit Authority 7-3/4% Transit Bonds, Series C, due 7/1/2013	100.00	100,000.00	7.75
<u>\$ 200,000</u>			<u>\$ 197,835.00</u>	<u>7.78%</u>

BOND MATURITIES AND PREPAYMENTS

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. S. Government Obligations (Guaranteed)</u>			
\$ 199.95	GNMA, Pass-Through Pool #95, 8%, due 12/15/2000	\$ 199.95	(\$ 10.82)
170.55	GNMA, Pass-Through Pool #163, 8%, due 2/15/2001	170.55	(9.28)
72.27	GNMA, Pass-Through Pool #548, 8%, due 4/15/2001	72.27	(3.93)
320.34	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	320.34	(17.43)
125.64	GNMA, Pass-Through Pool #708, 6-1/2%, due 11/15/2001	125.64	5.28
5,898.87	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	5,898.87	578.68
<u>5,194.46</u>	GNMA, Pass-Through Pool #920, 8%, due 9/15/2001	<u>5,194.46</u>	<u>(89.34)</u>
<u>\$ 11,982.08</u>		<u>\$ 11,982.08</u>	<u>\$ 453.16</u>

BOND PURCHASES
(July, 1973)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>UNIT</u>	<u>COST TOTAL</u>	<u>YIELD AT COST</u>
<u>THE WILLIAM STAMPS FARISH CHAIR IN GEOLOGY</u>				
<u>\$ 1,000</u>	Houston ISD, Texas 3-1/2% Bonds, Series 1957, due 4/10/83	\$ 85.789	<u>\$ 857.89</u>	<u>5.39%</u>
<u>IMA HOGG FOUNDATION</u>				
<u>\$ 2,000</u>	Houston ISD, Texas 3-1/2% Bonds, Series 1957, due 4/10/83	\$ 83.5105	<u>\$ 1,670.21</u>	<u>5.73%</u>
<u>LIBBIE MOODY THOMPSON TRUST - GALVESTON MEDICAL BRANCH</u>				
<u>\$ 50,000</u>	Kansas Power & Light Co. 7-5/8% 1st Mtge., due 4/1/99	\$ 97.835	<u>\$ 48,917.50</u>	<u>7.82%</u>
<u>CLARK W. THOMPSON TRUST - GALVESTON MEDICAL BRANCH</u>				
<u>\$ 50,000</u>	Kansas Power & Light Co. 7-5/8% 1st Mtge., due 4/1/99	\$ 97.835	<u>\$ 48,917.50</u>	<u>7.82%</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970, 1971 & 1972 - RESERVE FUND</u>				
<u>\$ 740,000</u>	U. S. Treasury Notes, 7-1/4%, due 5/15/74	\$ 99.421875	<u>\$ 735,721.88</u>	<u>7.94%</u>

STOCK SALES
(July, 1973)

<u>NO. OF SHARES SOLD</u>	<u>ISSUE</u>	<u>NET SALES PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>	<u>YIELD</u>
<u>CHANCELLOR'S COUNCIL - UNRESTRICTED ACCOUNT</u>				
381 Shs.	Southwest Airmotive Company Common Stock	<u>\$ 4,381.50</u>	<u>(\$ 6,711.41)</u>	--
<u>MR. & MRS. JOHN DE MENIL FUND FOR PROGRAMS OF DR. GOLDSTEIN AND DR. ABELL - GALVESTON MEDICAL BRANCH</u>				
1,840 Shs.	Schlumberger Limited Common Stock	<u>\$175,953.42</u>	<u>\$ 1,533.42</u>	<u>0.52%</u>
<u>TOM SLICK MEMORIAL TRUST FOR THE UNIVERSITY OF TEXAS AT AUSTIN</u>				
24/100ths Sh.	Evans Products Company Common Stock (Fractional share on 4% stock dividend)	<u>\$ 2.94</u>	---	---

BOND MATURITIES AND PREPAYMENTS
(July, 1973)

<u>PAR VALUE</u>	<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>JACK G. TAYLOR ENDOWMENT FUND</u>			
\$ <u>2,083.33</u>	Universal Tel., Inc. 8% Sub. Conv. Note, due 4/1/75	\$ <u>2,083.33</u>	-0-
<u>ARCHER M. HUNTINGTON MUSEUM FUND</u>			
\$ <u>100,000</u>	Union Carbide Corp. 6% Note, due annually	\$ <u>100,000.00</u>	-0-
<u>THE WILLIAM BUCHANAN CHAIR IN INTERNAL MEDICINE - DALLAS MEDICAL SCHOOL</u>			
\$ 1,111.45	GNMA, Pass-Through Pool #650, 8%, due 4/15/2001	\$ 1,111.45	(\$ 20.90)
<u>668.33</u>	GNMA, Pass-Through Pool #852, 6-1/2%, due 1/15/2002	<u>668.33</u>	<u>50.93</u>
<u>\$ 1,779.78</u>		<u>\$ 1,779.78</u>	<u>\$ 30.03</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS
(July, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>RESERVE FOR POSSIBLE FIRE LOSSES - TEMPORARY STUDENT HOUSING UNITS:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 786.08	\$ 9.59
<u>TEXAS UNION BUILDING FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 1,835.83	\$ 163.21
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 37.74	(\$ 1.06)
GNMA, Pool #184, 8%, due 4/1/2001	438.14	-0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	1,966.85	1.18
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	547.07	32.66
	<u>\$ 2,989.80</u>	<u>\$ 32.78</u>
<u>STUDENT PROPERTY DEPOSIT SCHOLARSHIP FUND - TEMPORARY:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 196.29	\$ 4.12
GNMA, Pool #852, 6-1/2%, due 1/15/2002	2,202.34	88.97
	<u>\$ 2,398.63</u>	<u>\$ 93.09</u>
<u>U. T. SYSTEM - GENERAL TUITION REVENUE BONDS, SERIES 1971, 1972, 1972A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #194, 8%, due 1/15/2001	\$ 3,833.98	(\$ 143.77)
GNMA, Pool #708, 6-1/2%, due 11/15/2001	78.41	3.72
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	460.15	21.86
GNMA, Pool #1745, 6-1/2%, due 9/15/2002	4,934.67	278.81
GNMA, Pool #2283, 8%, due 9/15/2001	6,463.86	(242.40)
GNMA, Pool #2308, 8%, due 4/15/2001	1,778.18	(66.68)
	<u>\$ 17,549.25</u>	<u>(\$ 148.46)</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BOND FUND, SERIES 1954 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 510.16	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	318.99	(17.86)
	<u>\$ 829.15</u>	<u>(\$ 17.86)</u>
<u>U. T. AUSTIN - DORMITORY REVENUE BONDS FUND, SERIES 1956 - RESERVE FUND:</u>		
GNMA, Pool #548, 8%, due 4/15/2001	\$ 65.63	(\$ 3.68)
GNMA, Pool #650, 8%, due 4/15/2001	188.36	(5.93)
	<u>\$ 253.99</u>	<u>(\$ 9.61)</u>
<u>U. T. AUSTIN - STUDENT HOUSING REVENUE BONDS OF 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 762.25	\$ -0-
GNMA, Pool #650, 8%, due 4/15/2001	188.36	(5.93)
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	359.07	21.19
	<u>\$ 1,309.68</u>	<u>\$ 15.26</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(July, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. AUSTIN - HOUSING SYSTEM REVENUE BONDS, SERIES 1967 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 128.28	\$ 7.25
GNMA, Pool #184, 8%, due 4/1/2001	456.15	-0-
GNMA, Pool #548, 8%, due 4/15/2001	107.16	(6.00)
GNMA, Pool #650, 8%, due 4/15/2001	719.81	(22.67)
GNMA, Pool #708, 6-1/2%, due 11/15/2001	39.16	1.86
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	81.16	4.93
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>1,557.30</u>	<u>91.88</u>
	<u>\$ 3,089.02</u>	<u>\$ 77.25</u>
<u>U. T. AUSTIN - BUILDING REVENUE BONDS, SERIES 1969</u>		
<u>UTILITY PLANT - STUDENT FEE REVENUE BONDS - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 825.18	(\$ 45.88)
GNMA, Pool #548, 8%, due 4/15/2001	87.22	(4.88)
GNMA, Pool #920, 8%, due 9/15/2001	<u>656.22</u>	<u>11.02</u>
	<u>\$ 1,568.62</u>	<u>(\$ 39.74)</u>
<u>U. T. AUSTIN - COMBINED FEE REVENUE BONDS, SERIES 1970, 1971 & 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 105.03	\$ -0-
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	420.93	19.66
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>2,235.90</u>	<u>131.92</u>
	<u>\$ 2,761.86</u>	<u>\$ 151.58</u>
<u>U. T. AUSTIN - STUDENT UNION REVENUE BONDS, SERIES 1958 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 150.05	\$ -0-
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>295.32</u>	<u>17.42</u>
	<u>\$ 445.37</u>	<u>\$ 17.42</u>
<u>GALVESTON MEDICAL BRANCH - DORMITORY REVENUE BONDS, SERIES 1955 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 1,296.42	\$ -0-
GNMA, Pool #852, 6-1/2%, due 1/15/2002	<u>2,202.34</u>	<u>1.32</u>
	<u>\$ 3,498.76</u>	<u>\$ 1.32</u>
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>INTEREST & SINKING FUND:</u>		
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	<u>\$ 966.66</u>	<u>\$ 57.03</u>
<u>M. D. ANDERSON HOSPITAL - ENDOWMENT AND HOSPITAL REVENUE BONDS, SERIES 1972 -</u>		
<u>RESERVE FUND:</u>		
GNMA, Pool #1279, 6-1/2%, due 7/15/2002	\$ 442.38	\$ 24.77
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	726.20	42.85
GNMA, Pool #1710, 6-1/2%, due 9/15/2002	<u>864.80</u>	<u>49.99</u>
	<u>\$ 2,033.38</u>	<u>\$ 117.61</u>

GNMA PASS-THROUGH MATURITIES AND PREPAYMENTS (Continued)
(July, 1973)

<u>ISSUE</u>	<u>PROCEEDS</u>	<u>PROFIT OR (LOSS)</u>
<u>U. T. EL PASO - STUDENT HOUSING REVENUE BONDS OF 1961 - RESERVE FUND:</u>		
GNMA, Pool #852, 6-1/2%, due 1/15/2002	\$ 341.63	\$ 9.91
<u>U. T. EL PASO - BUILDING REVENUE BONDS, SERIES 1969 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 116.13	\$ 2.38
GNMA, Pool #184, 8%, due 4/1/2001	444.14	-0-
GNMA, Pool #920, 8%, due 9/15/2001	115.62	2.76
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	324.49	19.70
	<u>\$ 1,000.38</u>	<u>\$ 24.84</u>
<u>U. T. EL PASO - STUDENT UNION BUILDING REVENUE BONDS, SERIES A AND B, 1967 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 474.15	\$ -0-
GNMA, Pool #548, 8%, due 4/15/2001	34.89	(2.91)
	<u>\$ 509.04</u>	<u>(\$ 2.91)</u>
<u>U. T. EL PASO - COMBINED FEE REVENUE BONDS, SERIES 1970 & 1971 - RESERVE FUND:</u>		
GNMA, Pool #194, 8%, due 1/15/2001	\$ 2,901.75	(\$ 108.82)
GNMA, Pool #920, 8%, due 9/15/2001	386.23	5.99
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	36.10	2.19
GNMA, Pool #1524, 6-1/2%, due 5/15/2002	1,381.40	81.50
	<u>\$ 4,705.48</u>	<u>(\$ 19.14)</u>
<u>U. T. ARLINGTON - HOUSING SYSTEM REVENUE BONDS - SERIES 1963 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 390.13	\$ -0-
GNMA, Pool #708, 6-1/2%, due 11/15/2001	28.14	1.34
	<u>\$ 418.27</u>	<u>\$ 1.34</u>
<u>U. T. ARLINGTON - STUDENT CENTER FEE BONDS, SERIES 1960 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 480.16	\$ -0-
<u>U. T. ARLINGTON - GYMNASIUM FEE BONDS - SERIES 1961 - RESERVE FUND:</u>		
GNMA, Pool #184, 8%, due 4/1/2001	\$ 495.16	\$ -0-
<u>U. T. ARLINGTON - STUDENT FEE REVENUE BONDS - SERIES 1964, SERIES 1966, AND SERIES 1968 - RESERVE FUND:</u>		
GNMA, Pool #121, 8%, due 11/15/2000	\$ 60.99	\$ 3.98
GNMA, Pool #548, 8%, due 4/15/2001	144.54	(8.09)
GNMA, Pool #852, 6-1/2%, due 1/15/2002	681.60	27.54
	<u>\$ 887.13</u>	<u>\$ 23.43</u>
<u>U. T. ARLINGTON - COMBINED FEE REVENUE BONDS, SERIES 1971, 1971A & 1973 - RESERVE FUND:</u>		
GNMA, Pool #708, 6-1/2%, due 11/15/2001	\$ 40.22	\$ 1.91
GNMA, Pool #1029, 6-1/2%, due 12/15/2001	29.76	1.39
	<u>\$ 69.98</u>	<u>\$ 3.30</u>

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND - RECOMMENDATION
 RE ADDITIONS AND WITHDRAWALS.--The Associate Deputy Chancellor for Investments,
 Trusts and Lands recommends that the following additions and withdrawals made to the
 Common Trust Fund endowment account on June 1, 1973, at a market unit value of
 \$2.299461494, be approved.

Fund	Recommended Additions	No. Units Added
Jennie and Carl Sundberg Scholarship Fund (College of Arts & Sciences Foundation) (\$26,051.38 already in CTF)	\$ 1,000.00	435
J. C. Dolley Finance Education Fund (College of Business Administration) (\$178.52 already in CTF)	2.96	1
Mavis Alexander Fitzgerald Award (College of Business Administration) (\$258.63 already in CTF)	4.37	2
The Gilbreth Award Fund (College of Business Administration) (\$532.09 already in CTF)	8.22	4
Joseph Martin Hernandez, Jr., Memorial Scholarship (College of Business Administration) (\$1,127.30 already in CTF)	15.28	7
Karl and Helen McGinnis Scholarship (College of Business Administration) (\$3,840.00 already in CTF)	50.00	22
C. Aubrey Smith Professorship in Accounting (College of Business Administration) (NEW FUND)	54,687.88	23,783
C. Aubrey Smith Accounting Educational Endowment Fund (College of Business Administration) (NEW FUND)	17,500.00	7,610
The Accounting Education Fund (College of Business Administration Foundation) (\$65,984.49 already in CTF)	110.00	48
Leo G. Blackstock Memorial Scholarship Fund (College of Business Administration Foundation) (NEW FUND)	3,273.75	1,424
George M. Kozmetsky Memorial Fund (College of Business Administration Foundation) (NEW FUND)	4,091.75	1,779
Journalism Foundation - Paul J. Thompson-DeWitt Reddick Society (School of Communication - Department of Journalism) (\$39,316.95 already in CTF)	870.00	378
Ward C. Mayborn Journalism Scholarship (School of Communication - Department of Journalism) (\$4,950.00 already in CTF)	5,300.00	2,305
Additions - June 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions	No. Units Added
DeWitt Reddick Journalism Scholarship Fund (School of Communication - Department of Journalism) (\$4,773.96 already in CTF)	\$ 70.28	31
W. A. (Bill) Cunningham Professorship (College of Engineering Foundation) (\$28,870.00 already in CTF)	31,024.03	13,492
1966 M. E. Class Fund (College of Engineering Foundation) (\$325.11 already in CTF)	4.57	2
T. U. Taylor Scholarship Fund (College of Engineering Foundation) (\$8,488.03 already in CTF)	118.80	52
Lucy Barton Scholarship (College of Fine Arts Foundation) (\$4,362.50 already in CTF)	150.00	65
The Morton Brown, Nellie Lea Brown and Minelma Brown Lockwood Scholarship Fund in Drama (College of Fine Arts Foundation) (\$22,080.00 already in CTF)	2,115.00	920
Donna Dellinger Memorial Scholarship Fund (College of Fine Arts Foundation) (\$5,637.78 already in CTF)	200.00	87
E. William Doty Scholarship Fund (College of Fine Arts Foundation) (\$4,996.90 already in CTF)	122.02	53
Department of Drama Ex-Students Scholarship Fund (College of Fine Arts Foundation) (\$12,022.52 already in CTF)	91.80	40
Mollie Fitzhugh Thornton Music Scholarship Fund (College of Fine Arts Foundation) (\$615.16 already in CTF)	8.54	4
Hal P. Bybee Memorial Fund (Geology Foundation) (\$245,176.61 already in CTF)	2,346.06	1,020
Dorothy Ogden Carsey Memorial Scholarship (Geology Foundation) (\$15,597.00 already in CTF)	60.00	26
Robert H. Cuyler Memorial Scholarship Fund (Geology Foundation) (\$20,409.32 already in CTF)	210.00	91
Ronald K. DeFord Field Scholarship Fund (Geology Foundation) (NEW FUND)	10,024.00	4,359
Additions - June 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions	No. Units Added
Carolyn G. and George M. Knebel Fund (Geology Foundation) (\$27,174.81 already in CTF)	\$ 305.00	133
J. Hoover Mackin Scholarship Fund (Geology Foundation) (\$9,309.72 already in CTF)	90.00	39
Dr. F. L. Whitney Memorial Scholarship Fund (Geology Foundation) (\$23,126.75 already in CTF)	110.00	48
F. L. Whitney Memorial Book Fund - Various Donors (Geology Foundation) (\$6,099.05 already in CTF)	25.00	11
Thomas Shelton Maxey Professorship in Law (School of Law) (\$89,897.03 already in CTF)	111.61	49
Pharmaceutical Research Fund (College of Pharmacy) (\$1,493.93 already in CTF)	30.29	13
Raoul Rene Daniel "Daddy" Cline Memorial Endowment Fund (Pharmaceutical Foundation) (\$1,213.16 already in CTF)	20.17	9
W. F. Gidley Appreciation Endowment Fund (Pharmaceutical Foundation) (\$3,589.83 already in CTF)	53.85	23
The Senior Class Endowment Fund (Pharmaceutical Foundation) (\$13,645.62 already in CTF)	198.08	86
E. Bagby Atwood Memorial Graduate Scholarship in English (\$8,847.03 already in CTF)	124.10	54
E. M. Barron Fund (\$79,776.38 already in CTF)	3,969.04	1,726
Carl Stone Benedict Scholarship Fund (\$27,370.24 already in CTF)	162.13	71
Lloyd Bentsen, Jr. Professorship in Public Affairs (NEW FUND)	37,804.41	16,441
Morgan and Hamah Smith Callaway Fund (\$13,922.48 already in CTF)	216.49	94
Roy Crane Award in the Arts (\$10,820.38 already in CTF)	34.60	15
Annie Webb Blanton Scholarship (Delta Kappa Gamma) (\$19,510.92 already in CTF)	989.08	430
Additions - June 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions	No. Units Added
Ethel V. Loving de Diaz Scholarship Fund (\$7,212.08 already in CTF)	\$ 84.20	37
Edward Louis Dodd and Alice Laidman Dodd Fellowship Fund (\$54,504.70 already in CTF)	204.24	89
W. T. Doherty Professorship in Chemistry (NEW FUND)	100,000.00	43,488
James Leonard Duncan Scholarship Fund (\$8,948.82 already in CTF)	58.06	25
Sally Carruth Farley Scholarship Fund (\$3,510.00 already in CTF)	800.00	348
Richard T. Fleming Library of The University of Texas Writer's Fund (\$1,933.19 already in CTF)	181.46	79
Maud McCain Harding Fund (\$18,300.06 already in CTF)	18,358.07	7,984
Hinds-Webb Scholarship Fund (\$174.69 already in CTF)	2.58	1
Hogg Foundation: Will C. Hogg Fund (\$10,576,348.24 already in CTF)	37,527.38	16,320
Hogg Foundation - Eloise Helbig Chalmers - Ima Hogg Fund (\$4,994.48 already in CTF)	191.57	83
Thomas E. Hogg - Residuary Legacy (\$8,375.75 already in CTF)	295.84	129
Richard N. Lane Endowed Scholarship (\$20,000.00 already in CTF)	50.00	22
W. F. and Marian Michael Scholarships and Fellowships (\$3,873.00 already in CTF)	550.00	239
The Roger Q. Mills Scholarship Fund (\$81.10 already in CTF)	1.48	1
Harry Estill Moore Disaster Study Collection (\$1,155.11 already in CTF)	115.54	50
Albert Noyes Distinguished Visiting Lecture Fund (\$5,110.75 already in CTF)	1,445.00	628
Shiela O'Gara Scholarship Fund (\$2,664.79 already in CTF)	33.48	15
The Perry and Tommie Patterson Fellowships in Political Science (\$1,751.38 already in CTF)	26.13	11
Additions - June 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions	No. Units Added
Dr. Edward Randall, Jr. Memorial Fund (\$3,099.48 already in CTF)	\$ 39.03	17
Charles Morton Share Trust Graduate Fellowship Fund (\$50,000.00 already in CTF)	5,000.00	2,174
Tom Slick Memorial Trust for The University of Texas at Austin (\$358,874.20 already in CTF)	1,166.33	507
VanderPoel Fund for Research and Publication (\$52,254.42 already in CTF)	674.37	293
Bettye M. Rady Scholarship Fund (U. T. Arlington) (NEW FUND)	5,204.89	2,264
Excellence in Education Fund (U. T. Dallas) (\$560,000.00 already in CTF)	450,000.00	195,698
Gillette Professorship of Obstetrics and Gynecology (Dallas Medical School) (\$103,245.88 already in CTF)	474.01	206
The Josey Professorship of Community Health Services (Houston Medical School) (\$53,984.33 already in CTF)	718.11	312
The Holman Taylor, Sr., M. D. and Holman Taylor, Jr., M. D. Scholarship Fund in Dermatology (Houston Medical School) (\$65,131.89 already in CTF)	12.71	6
The Robert A. Welch Chair in Chemistry (Houston Medical School) (NEW FUND)	150,000.00	65,233
Miss Eloise Alexander Memorial Fund (San Antonio Medical School) (\$212,328.30 already in CTF)	1,870.00	813
Fitzhugh Carter Pannill Scholarship and Loan Fund (San Antonio Medical School) (\$5,148.29 already in CTF)	50.00	22
Carolyn Froebel Fund (Anderson Hospital) (\$1,420.40 already in CTF)	17.25	8
Madeline Kavanagh Fund (Anderson Hospital) (NEW FUND)	5,498.87	2,391
The Robert and Esther Stadtler Lectures Fund (Anderson Hospital) (\$19,219.19 already in CTF)	780.81	340
Additions - June 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions	No. Units Added
University Cancer Foundation (Anderson Hospital) (\$557,598.77 already in CTF)	\$ 181.92	79
Harry Carothers Wiess Chair for Cancer Research (Anderson Hospital) (\$655,936.54 already in CTF)	50,000.00	21,744
The Robert Cantrell Feamster Foundation (Galveston Medical Branch) (\$3,746.63 already in CTF)	58.91	26
Dr. Granville T. Hall Professorship of General Surgery (Galveston Medical Branch) (\$50,000.00 already in CTF)	50,000.00	21,744
The Dr. Walter Junius Hildebrand Scholarship Fund (Galveston Medical Branch) (\$71,556.70 already in CTF)	152.93	67
The James W. McLaughlin Fellowship Fund (Galveston Medical Branch) (\$830,696.91 already in CTF)	7,029.59	3,057
Dr. Wayne V. Ramsey, Sr., Lectureship in Radiology (Galveston Medical Branch) (\$2,000.00 already in CTF)	3,000.00	1,305
The Robertson Poth Professorship in Ophthalmology (Galveston Medical Branch) (\$22,008.35 already in CTF)	257.75	112
Grace Ann Beal Memorial Fund (U. T. El Paso) (\$1,635.00 already in CTF)	10.00	4
C. D. Belding Memorial Fund (U. T. El Paso) (\$8,647.00 already in CTF)	500.00	217
Frank B. Cotton Trust - Endowment Account (U. T. El Paso) (\$3,379,546.95 already in CTF)	1,147.15	499
Josephine Clardy Fox Estate Fund (U. T. El Paso) (\$1,681,174.39 already in CTF)	3,058.33	1,330
Lloyd A. Nelson Professorship in Geology (U. T. El Paso) (\$102,693.81 already in CTF)	70.00	30
The President's Associates Endowment Fund (U. T. El Paso) (\$11,889.00 already in CTF)	14,397.00	6,261
Additions - June 1, 1973		

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

Fund	Recommended Additions	No. Units Added
Patrick Romanell Visiting Professorship in Philosophy (U. T. El Paso) (\$2,627.36 already in CTF)	\$ 2,562.54	1,114
Julia Ann Ross Memorial Scholarship (U. T. El Paso) (\$6,337.81 already in CTF)	1,321.86	575
David Waddell Schillinger Scholarship (U. T. El Paso) (\$11,700.18 already in CTF)	171.67	75
William L. Staley Fund (U. T. El Paso) (\$40,000.00 already in CTF)	64.00	28
Lydia Stark Memorial Scholarship in Speech Therapy (U. T. El Paso) (\$3,122.14 already in CTF)	541.50	235
Capt. James R. Valtr Memorial Scholarship Fund (U. T. El Paso) (\$3,691.68 already in CTF)	150.00	65
Kathrine H. White Memorial Library Fund (U. T. El Paso) (\$2,887.50 already in CTF)	33.00	14
The B. Marshall Willis Library Memorial Endowment (U. T. El Paso) (\$3,398.50 already in CTF)	25.00	11
TOTAL ADDITIONS TO COMMON TRUST FUND ON JUNE 1, 1973	<u>\$1,093,867.72</u>	<u>475,707</u>

THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND
(Continued)

As of June 1, 1973, the following monies were withdrawn from the Common Trust Fund endowment account at a unit market value of \$2.299461494 based on market valuation as of May 31, 1973:

Fund	Cash Withdrawn
Chemistry Fund	\$64,026.21
Sudden Infant Death Research Fund (San Antonio Medical School)	<u>13,001.16</u>
TOTAL CASH WITHDRAWN ON JUNE 1, 1973	<u>\$77,027.37</u>

Results in Common Trust Fund endowment account after withdrawal:

Chemistry Fund:

Book Value prior to withdrawal	\$50,205.00	Units Held prior to withdrawal	27,844
Book Value withdrawn	<u>50,205.00</u>	Units withdrawn	<u>27,844</u>
Book Value remaining after withdrawal	<u>\$ -0-</u>	Units remaining after withdrawal	<u>-0-</u>

Sudden Infant Death Research Fund:

Book Value prior to withdrawal	\$22,000.00	Units Held prior to withdrawal	9,167
Book Value withdrawn	<u>13,569.11</u>	Units withdrawn	<u>5,654</u>
Book Value remaining after withdrawal	<u>\$ 8,430.89</u>	Units remaining after withdrawal	<u>3,513</u>

Net Realized Profit on Sale of Investments:

Realized Profit prior to withdrawal		\$1,684,727.93
Reduction due to withdrawal:		
Chemistry Fund	(\$13,821.21)	
Addition due to withdrawal:		
Sudden Infant Death Research Fund	<u>567.95</u>	(<u>13,253.26</u>)*
After Withdrawal		<u>\$1,671,474.67</u>

*Difference between Book Value in the amount of \$63,774.11 written off and cash withdrawn in the amount of \$77,027.37 based on Unit Value of \$2.299461494.

The results of the above additions and withdrawals will be THE UNIVERSITY OF TEXAS SYSTEM COMMON TRUST FUND with a total Book Value of \$40,454,550.26 with 17,788,498 units outstanding as of June 1, 1973.

SUMMARY

Cash Added 6/1/73	\$1,093,867.72
Cash Withdrawn 6/1/73	<u>77,027.37</u>
TOTAL ADDITIONS TO COMMON TRUST FUND 6/1/73	<u>\$1,016,840.35</u>