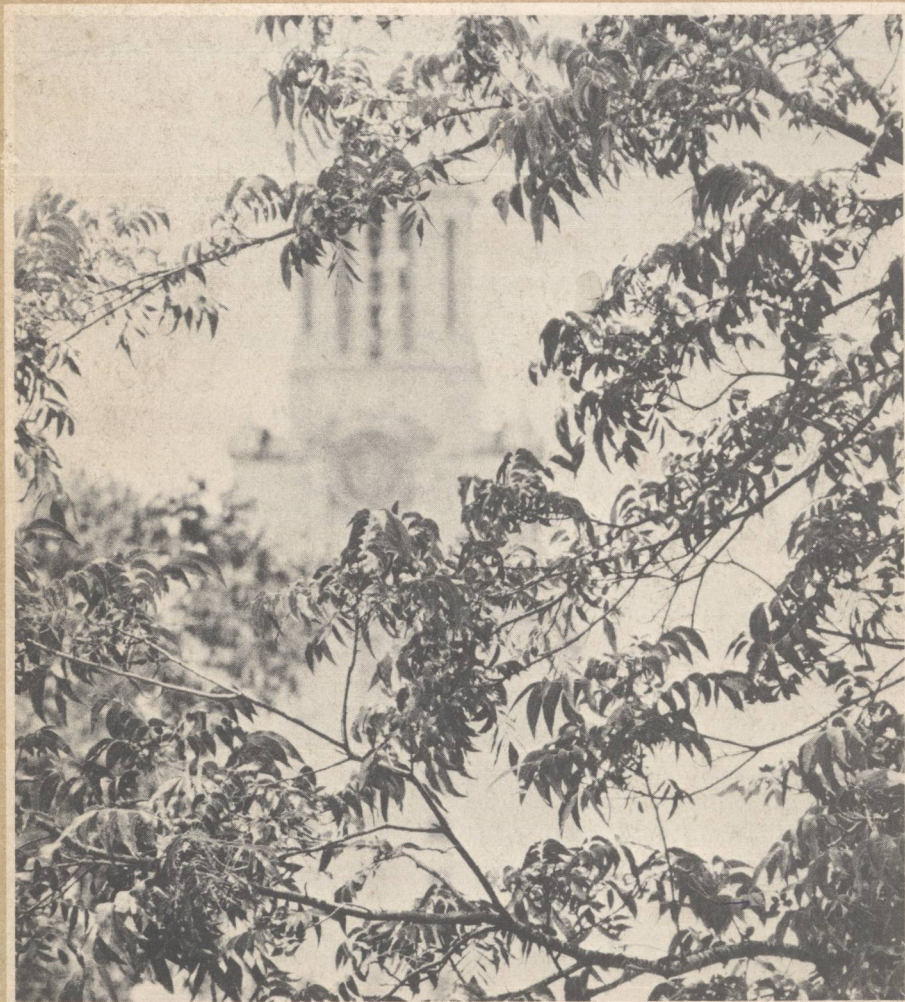


THE GRADUATE SCHOOL

THE UNIVERSITY OF TEXAS AT AUSTIN 1979-1981



The University of Texas Publication
Issue Number 7906, May, 1981

8060024

THE
GRADUATE
SCHOOL

THE UNIVERSITY OF TEXAS AT AUSTIN

1977-1978 and 1978-1979

*With Announcements for 1979-1980
and 1980-1981*



CATALOGUE NUMBER : PART VII

300508
The benefits of education and of useful knowledge, generally diffused through a community, are essential to the preservation of a free government.

Sam Houston

Cultivated mind is the guardian genius of Democracy, and while guided and controlled by virtue, the noblest attribute of man. It is the only dictator that freemen acknowledge, and the only security which freemen desire.

Mirabeau B. Lamar

Where liberty has arisen, learning must be cherished—or liberty itself becomes a fragile thing.

Lyndon B. Johnson

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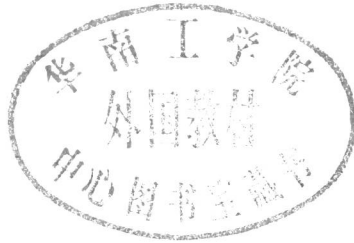
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BOARD OF REGENTS

8060024

OFFICERS

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Thos. H. Law, *Vice-Chairman*
Betty Anne Thedford, *Secretary*



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Terms Expire January, 1981

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Walter G. Sterling, Houston
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Terms Expire January, 1983

Jane Weinert Blumberg (Mrs. Roland K.), Seguin
Sterling H. Fly, Jr., M.D., Uvalde
Jess Hay, Dallas

Terms Expire January, 1985

Jon P. Newton, Austin
James L. Powell, Fort McKavett
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STANDING COMMITTEES*

System Administration: Sterling, *Chairman*.

Academic and Developmental Affairs: Blumberg, *Chairman*; Newton,
Vice-Chairman.

Buildings and Grounds: Law, *Chairman*; Richards, *Vice-Chairman*.

Health Affairs: Fly, *Chairman*.

Subcommittee on Hospitals: Fly, *Chairman*; Richards; Sterling.

Land and Investment Committee: Hay, *Chairman*; Powell, *Vice-Chairman*.

*All members of the Board constitute each committee.

DIRECTORY OF OFFICES

Admission

Director of Admissions: Main Building 7; telephone 471-1711.

Fellowship Applications

Contact the Graduate Adviser of your proposed major area.

International Students

International Office: 100 West 26th Street; telephone 471-1211.

Housing

There is no approved list of off-campus housing. To make application for University dormitory rooms or apartments, see Housing and Food Service, Kinsolving Dormitory, 26th Street entrance; telephone 471-3136.

Advice on Course Registration

See the Graduate Adviser in your major area.

Loans

Student Financial Aid: 2608 Whitis; telephone 471-4001.

Employment

Student Financial Aid: 2608 Whitis; telephone 471-4001.

Medical Service

Student Health Center: 105 West 26th Street; telephone 478-5711 and 471-1824.

Research Assistantships

Contact the Chairman of the Department of your major area.

Teaching Assistantships

Apply through the Chairman of the Department of your major area.

Transcripts of Records

Photographic Duplication: Main Building 1; telephone 471-1771.

Change of Major, Adding and Dropping Courses, Questions concerning Degree Programs, Information and Forms

Graduate School, Student Office: Main Building 101; telephone 471-7151.

GENERAL INFORMATION

The University of Texas at Austin, established in 1883, is a major research institution. It is the largest member of The University of Texas System which consists of six general academic institutions and six health science centers. It has grown from an original building, two departments, eight faculty members, and 221 students on a forty-acre tract to a campus of more than three hundred acres, with more than 110 buildings. (It is still known as the "Forty Acres," however.) The enrollment is over forty thousand.

The University faculty includes members of the National Academy of Sciences, the National Academy of Engineering, and the American Academy of Arts and Sciences, and Pulitzer Prize and Nobel Prize winners. It awards the largest number of doctoral degrees in the South and is the only Southwestern member of the Association of American universities.

The Graduate School (which does not include the School of Law) was established in 1909. More than 7,500 graduate students are enrolled, with approximately 450 doctoral degrees and 1,250 master's degrees awarded annually.

More than seventy fields of graduate study are offered. Graduate courses are taught and theses and dissertations supervised by faculty who are appointed as Members or Associates of the Graduate Faculty, a group totaling 1,650. The administration of the Graduate School is the responsibility of the Vice-President and Dean of Graduate Studies.

Every academic area offering graduate degrees has a Committee on Graduate Studies and a Graduate Adviser. The Committees on Graduate Studies supervise all graduate course offerings, the programs of individual graduate students, and the research projects (reports, theses, and dissertations) of the degree candidates. The Graduate Advisers counsel the graduate students in their areas until the students advance to candidacy. This responsibility is then transferred to the supervising committee or dissertation committee appointed for the candidate by the Graduate Dean.

The graduate faculty and administration authorize all degrees beyond the baccalaureate degree awarded by the University, except advanced degrees in law.

THE NATURE AND PURPOSE OF GRADUATE WORK

Graduate work at The University of Texas at Austin is divided into disciplines. These are normally associated with departments; they may, however, be broader in scope, involving courses and research in several departments. The candidate for an advanced degree presents work done in a chosen major area; but he or she is also usually expected to have done supporting work on an advanced level (upper-division or graduate) in one or more relevant areas. There are three components of graduate study: course work, independent study, and independent scholarly research leading to a

report, thesis, or dissertation. In some areas, internships, field studies, and other professional experiences may also be an integral part of the program. The proportion of each type of study may vary according to the previous training of the individual student and the nature of the major area.

The objective of graduate study is to develop the intellectual breadth and specialized training necessary to a career in teaching, in research, or in the professions. Emphasis is placed on the knowledge, methods, and skills needed for scholarly teaching, original research and problem solving, intellectual leadership, creative expression, and other modes of achievement in the individual's chosen discipline.

FACILITIES FOR GRADUATE STUDY

Libraries

The University of Texas at Austin library, the ninth largest academic library in the United States, contains more than four million volumes and is a resource center for Texas and the Southwest, as well as a national resource center for library materials on Latin America, Texas, the history of the American South and West, and twentieth-century English and American literature. The library system includes the General Libraries, the Humanities Research Center, and the Tarlton Law Library.

The General Libraries.—The General Libraries are the Perry-Castañeda Library (the Main Library), the Undergraduate Library, the Collections Deposit Library, the Film Library, the twelve branch libraries, and five special collections: the Asian Collection, the Eugene C. Barker Texas History Center, the Lyndon B. Johnson School of Public Affairs Library, the Nettie Lee Benson Latin American Collection, and the Middle East Collection.

The Perry-Castañeda Library, an open stack library, contains approximately one and one-half million volumes. It embraces all subject fields but has strongest holdings in the humanities, the social sciences, business, and education. Special materials housed in the Perry-Castañeda Library include a collection of United States and United Nations government documents and Rand Corporation publications in the Reference Services Department, over five thousand current journals and newspapers and a large collection of microforms in the Periodicals and Microforms Unit, and the Textbook and Curriculum Collection. The Special Services Department includes Computer-based Information Services, the Map Collection, and Human Relations Area Files.

The Humanities Research Center Library.—The Humanities Research Center Library and Academic Center Collections is a complex of rare book libraries and special collections relating primarily to the humanities but including also social science and history of science research materials. Its major strength is twentieth-century printed materials in the fields of English and American literature. Special collections within the complex include the Hoblitzelle Theater Collections, the Photography Collections, the Iconography Collection, the J. Frank Dobie Library, the Erle Stanley Gardner

Collection, the Alfred A. and Blanche Knopf Library, and the Edward Larocque Tinker Collection.

Tarltan Law Library.—The Tarltan Law Library is the largest legal research facility in the Southwest, with over 390,000 volumes of codes, statutes, court decisions, administrative regulations, periodicals, textbooks, and treatises on law and related fields. It offers a strong collection of foreign and international legal materials.

Special collections.—The University has a variety of special collections, serving the research needs of scholars of many fields. About twenty-five thousand volumes of Japanese and nine thousand volumes of Chinese materials with an emphasis on language, literature, philosophy, religion, and the social sciences are included in the Asian Collection. The holdings of the Eugene C. Barker Texas History Center (the Texas Collection, the Archives Collection, and the Texas Newspaper and Nontextual Records Collections) form the most extensive library of Texana in existence. The Lyndon B. Johnson School of Public Affairs Library, serving faculty, students, and agencies of government, is a twenty-seven thousand-volume collection of government financial statements and annual reports. The 340,000-volume Nettie Lee Benson Latin American Collection contains books, pamphlets, and magazines (in addition to manuscripts, maps, newspapers, microfilms, and other nonprinted materials), on subjects relating to Latin America. The Middle East Collection consists of materials relating to the language, literature, philosophy, religion, and culture of the Islamic regions of North Africa and the Middle East.

Other libraries.—The Lyndon Baines Johnson Presidential Library, located on the eastern part of the campus, is operated by the National Archives and Records Service, under the General Services Administration, and is not part of the University library system. This library is, however, closely connected with all the University's resources for the study of the twentieth century. Faculty and students also have access to numerous other libraries in the Austin area (e.g., Texas State Library, Austin Public Library, and the library of the Austin Presbyterian Theological Seminary).

Research Facilities

The research facilities at The University of Texas at Austin are among the most extensive in the United States. Laboratory and field study facilities in the life sciences include the Algal Physiology Laboratory, the Institute for Biomedical Research, the Cell Research Institute, the Clayton Foundation Biochemical Institute, the Drug Dynamics Institute, and the Center for Health Care Research and Evaluation. In physics and mathematics, research is conducted at the Center for Particle Theory, the Center for Relativity Theory, the Ilya Prigogine Center for Studies in Statistical Mechanics, and the Institute for Theoretical Physics. In the social and behavioral sciences, research facilities include the Institute for Classical Archaeology, the Phonetics Laboratory, and the Population Research Center. In engineering, research is carried on at the Bureau of Engineering Research, the Center for Highway

Research, and the Center for Research in Water Resources. Several research services provide support for these laboratory facilities: the Brackenridge Field Laboratory, the Center for Fast Kinetics Research, the Plant Resources Center, and the Research Instruments Laboratory.

The Computation Center

The Computation Center supports teaching and research at the University with one of the most extensive academic computing facilities in the United States.

Two Control Data Corporation (CDC) computers provide its major computing capabilities. The CDC 6600 and 6400 computer systems are housed in the Computation Center building. Campus users may have their programs read from punched cards and receive their results there, or at any of the seventeen other remote job entry locations on campus. In addition, up to 128 keyboard terminals can be simultaneously connected to the University's CDC 6000 system by telephone.

Two other Computation Center computers, located in the Humanities Research Center, are used primarily for instructional purposes. A Data General NOVA 840 provides computer-assisted instruction for up to thirty-two simultaneous interactive users, and a Digital Equipment Corporation DECsystem-10 can serve up to sixty-four simultaneous interactive users, as well as a small number of batch users.

In the Computation Center's Hybrid Computing Laboratory, located in the Engineering Science Building, a SIGMA 5 computer, AD/4 analog hybrid computer, and XEROX 930 computer provide a variety of research facilities.

Opportunities for Internships and Field Research

Many graduate programs provide extensive opportunities for directed participation in internships and traineeships. In the health and psychology professions, these may include such university, community, and state agencies as the University's Learning Disabilities Center, Austin State School, the Veterans' Administration Hospital in Waco, the Texas Institute for Mental Sciences, and the Mental Health Mental Retardation Center in Austin. In education, students may undertake research and development work with the Austin Independent School District, the Texas Education Agency, and the Southwest Educational Development Laboratory. Students of the Lyndon B. Johnson School of Public Affairs may participate in summer internship assignments with public agencies.

Field work activities include research in physics at the Clinton P. Anderson Meson Physics Facility (LAMPF) at Los Alamos, New Mexico; in the marine sciences and marine geology at the two Marine Science Institute Laboratories at Port Aransas and Galveston and aboard the *Ida Green*, a 135-foot research vessel equipped for oceanic study; and in astronomy at the McDonald Observatory on Mt. Locke near Ft. Davis, Texas, which houses a 107-inch reflector and powerful coudé optical and infrared spectrographic equipment.

supplemented by an on-line IBM 1800 and smaller NOVA computers. In addition, students in classics, anthropology, art, and art history may participate in departmentally-sponsored excavation on location at Corinth in Greece, at Stobi in Yugoslavian Macedonia, at Metaponto in South Italy, and in Mesoamerica, and the Central Andes.

STUDENT SERVICES

Student Health Center

The Health Center offers regularly enrolled graduate students consultation with staff physicians, emergency treatment, hospitalization, minor surgical operations, and ambulance or automobile transportation to the center. However, entrance physical examinations should be made by each student's family physician.

Services for Physically Handicapped Students

The University of Texas at Austin offers services for physically handicapped students enrolled at the University. These are administered by the special services division of the Office of the Dean of Students and the campus office of the State Commission for the Blind and the Texas Rehabilitation Commission. Physically handicapped students are urged to contact these agencies and to make use of other supportive services within the University structure.

Counseling Services

The University maintains the Counseling-Psychological Services Center, staffed by professional personnel, to assist students in coping effectively with problems they may encounter while attending the University. Both prior to and after enrollment, students have access to a broad range of personal, career, and educational services from the Center and its components.

Financial Aid

University Fellowships.—University Fellowships, which provide a stipend of \$4,000, are offered for nine months of graduate study. In addition there are other fellowships available through departments. For further information about fellowships write directly to the chairman of the appropriate department.

Assistantships.—Various teaching, research, and academic assistantships are available. Applications should be made directly to the appropriate departments.

Loans.—The University of Texas at Austin administers several long-term loan programs and a short-term loan program for registration and other emergency needs. Students seeking financial aid should apply early to the Office of Student Financial Aid, the primary source of such assistance.

ADMISSION TO THE GRADUATE SCHOOL

If you are seeking admission to the Graduate School, write to the Director of Admissions for the *Graduate Admissions Bulletin*. You should complete and return the form with two official copies of your transcripts from all senior-level colleges to

Director of Admissions and Records

Main Building 7

The University of Texas at Austin

Austin, Texas 78712

You should also request from the Graduate Adviser any special application forms required by the program to which you are applying.

INFORMATION

Applicants from other countries should write for a bulletin of *Information for Prospective Students from Other Countries*, to be obtained at no charge from the Director of Admissions. The General Information bulletin is also available for a nominal fee. Information regarding minority student affairs may be obtained from the Ethnic Student Services in the Office of the Dean of Students and the Office of Graduate Studies.

REGULAR ADMISSION

To be eligible for graduate study at The University of Texas at Austin you must satisfy the following requirements:

(1) You should have a bachelor's degree from an accredited institution or proof of equivalent training at a foreign institution.

(2) You should have a 3.0 grade-point average in upper-division work (junior and senior level) and in any graduate work already completed.

(3) You should have a satisfactory score on the Graduate Record Examinations Aptitude Test (GRE)—or acceptable scores on the Graduate Management Admission Test or Miller Analogies Test, if appropriate. Information about these tests may be obtained from the Educational Testing Service, Princeton, New Jersey.

(4) You should have adequate subject preparation for the proposed graduate major.

(5) You must be recommended for admission by the Committee on Graduate Studies in your proposed major.

You are not guaranteed admission even though you meet these minimum requirements, because some graduate programs set higher standards and many have limited space and facilities.

All completed applications are reviewed by the Committee on Graduate

Studies to which they are directed. The Graduate Dean must approve all admissions.

ADMISSION WITH CONDITIONS

Almost all of the students who are admitted to the Graduate School have qualifications equal to or above the minimum standards outlined above.

However, if a Graduate Studies Committee recommends your admission, you may enter the Graduate School conditionally. Your Graduate Adviser may require that you maintain a certain grade-point average or a minimum number of hours of study; you may also be required to complete deficiencies in your preparation by taking upper-division or graduate courses. You will be notified of these conditions by your Adviser at the time of your admission. If you have not fulfilled the conditions placed on your admission within the time specified, you may be barred from subsequent registration in the Graduate School.

Students who belong to minority or low-income groups or who because of a physical handicap have not participated in traditional educational experiences may find that their performances on standard tests (like the GRE) do not adequately reflect their ability for graduate study. If you feel that your scores or your grade-point average are not valid indicators of your ability, please explain your concerns in a letter to the Graduate Adviser of the program to which you are applying.

ADMISSION AS NOT-A-DEGREE STUDENT

If you are eligible for admission to the Graduate School but wish to pursue courses without becoming a candidate for an advanced degree, you may apply to a graduate program as a Not-a-Degree Student. Under certain conditions, Not-a-Degree Students may petition the Graduate Dean to become degree candidates.

DEADLINES FOR SUBMISSION OF APPLICATIONS

You are urged to file your application as early as possible, because programs in which space is limited may be filled some time before the deadline for submission of applications. Applications, transcripts, and Graduate Record Examinations scores must be in the Office of Admissions on or before the appropriate deadline. The deadlines are

July 1 for Fall Semester

November 1 for Spring Semester

April 1 for Summer Session

INTERNATIONAL STUDENTS

In addition to meeting the general requirements for admission, applicants whose native language is not English must demonstrate sufficient competency in English to study effectively at the University. These applicants are required

to take the Test of English as a Foreign Language (TOEFL) and to submit their scores to the Admissions Office. 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 from the Educational Testing Service, Box 899, Princeton, New Jersey, U.S.A., 08540.

Since transcripts from foreign universities require special evaluation, prospective students are urged to submit their application forms and transcripts at least six months in advance of the semester for which they are applying.