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Annual Report of the President, the University of Tennessee to the Board of Trustees, 1976-1977: A Revival of Values

Edward J. Boling

University of Tennessee - Knoxville

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A REVIVAL OF VALUES

1976/77 ANNUAL REPORT OF EDWARD J. BOLING, PRESIDENT,
THE UNIVERSITY OF TENNESSEE,
TO THE BOARD OF TRUSTEES, JUNE 16, 1977

THE UNIVERSITY OF TENNESSEE RECORD
Members of the UT Board of Trustees, photographed at the annual meeting on June 16, 1977, are, seated, left to right: Tom Elam, Clyde York, UT President Edward J. Boling, Wayne Fisher, Leonard Raulston; second row: Commissioner of Agriculture Edward Porter, Lee Winchester, E. S. Bevins, Jr., Buford Goldstein, Ben Douglass, 1977-78 student member James Powers; third row: Amon Carter Evans, Executive Director of the Tennessee Higher Education Commission Dr. Wayne Brown, Dr. Marcus Stewart, Don Shadow, 1976-77 student member Marion Ridley, Paul Kinser, William Johnson, and Harry Laughlin. Not pictured are Governor Ray Blanton, Elaine McReynolds, Ann Baker Furrow, Dr. Frank Bowyer, and Commissioner of Education Dr. Sam Ingram.

THE BOARD OF TRUSTEES, 1976-77

His Excellency, the Governor of Tennessee, Ex Officio
The Commissioner of Education, Ex Officio
The Commissioner of Agriculture, Ex Officio
The President of the University, Ex Officio
The Executive Director of the Tennessee Higher Education Commission, Ex Officio

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A REVIVAL OF VALUES

The year now ending has been unique for our times because it concluded the nation's bicentennial celebration, a time for reviewing the values which have guided our country for two hundred years.

Among these national values, cherished for generations but sometimes neglected or allowed to come under attack, is the worth of a good education—a college degree—to the individual and to society.

The Founding Fathers were aware of the need for an educated people. Thomas Jefferson, the author of the Declaration of Independence, often spoke of the need of education for the prosperity, power, and happiness of the new nation. In more recent times, a noted historian has said, "Human history becomes more and more a race between education and catastrophe." It seems that this statement is as applicable today as ever before.

However, in recent months higher education has been attacked by critics who say that the result—a college degree—is no longer worth the time, effort, and expense. They say the colleges and universities are turning out degree holders who cannot find jobs—or if they find jobs, they run the risk of being "overeducated" for the positions. A recent article in a national magazine claimed that twenty-seven percent of the nation's work force is "overeducated." It is difficult to understand how being "overeducated" for a particular job constitutes a tragedy. It seems far better to be overeducated than undereducated, with the overeducated there is always the hope and chance for advancement or movement to a more suitable job.

Colleges sometimes are criticized for not doing a better job of tailoring graduates to the job market at a given time. This is an impossible task, and it is one that colleges should not be expected to undertake. If colleges prepared students precisely for the job market in a given year, these individuals would most likely be unprepared for conditions existing a few years after graduation.

In a rapidly changing world, where science and technology can alter the job market almost overnight, the need for a broad education has never been more obvious. We must prepare young men and women to think and evaluate—to adjust to changing situations—to have a better understanding of what is causing the world about them to change.

Recent studies of median incomes for college graduates and those with no college work reveal a great disparity in favor of the college-trained individual. These figures alone would seem to refute many of the criticisms of the value of a college education. Yet the most important result of higher education is not the individual’s but society’s gain, in the form of young men and women who can fill positions of leadership and responsibility.

To those who say colleges are turning out too many Ph.D.s, one can point to a recent study by the University's Office of the Vice Chancellor for Graduate Studies and Research at Knoxville. That study shows that almost ninety-eight percent of the students who received doctoral degrees at the Knoxville campus in 1976 have jobs, most of them in fields for which they were trained. These findings are consistent with those of the two previous years.

So, we foresee no insurmountable problems ahead for The University of Tennessee. We are ending a good year, and we look forward to a good year in 1977-78, based on the appropriations we have received from the State.

Despite a national trend toward leveling or declining enrollments projected to go on into the 1980s, the University’s number of students rose slightly in 1976-77. And because of population growth factors at work in the south, there is reason to expect a gradual increase in enrollments in the years ahead.

Important advancements were made in all of the broad areas of teaching, research, and public service. It was a year of Olympic gold medals and a national championship in athletics.

It was a year of jolting problems, too. The federal court’s decision in the Nashville desegregation case, which will result in a merger of the UTN campus with Tennessee State University unless our appeal is successful, was a potentially damaging blow.

In the pages that follow, the chancellors of the five campuses and the vice presidents of the State-wide operations briefly describe some of the challenges, accomplishments, and needs of the University.
Looking into the coming decade, UT, Knoxville this year began its first systematic long-range planning process in an effort to determine the most effective allocation and uses of the University’s resources. Each department, college, and school presented a comprehensive statement of priorities and needs, and similar plans were developed in thirteen strategic areas of campus-wide concern.

At the heart of all plans are the University’s two main objectives in helping students become educated persons: to provide the concepts and skills which help them identify and meet specific challenges; and to give them the capacity to grow and adapt to changing circumstances, an ability which makes self-education possible in new situations and surroundings.

In meeting these twin objectives, students both prepare to earn a living and to lead meaningful lives.

In 1976-77, the Knoxville campus made significant strides in its ability to achieve these two objectives. New degree programs were started, new buildings either were put under construction or neared completion, and new approaches were made to the improvement of student learning situations.

Academic Advancements
This year the Tennessee Higher Education Commission approved the M.S. degree in nursing and the M.S. and Ph.D. degrees in polymer engineering. Awaiting THEC approval is the M.S. with a major in vocational-technical education.

The School of Nursing achieved college status this year through its offering of multiple degree programs. Several programs were reaccredited by professional accreditation agencies: the School of Architecture, College of Business Administration, the B.S. programs and Master of Engineering program in the College of Engineering, and the School of Social Work.

The Faculty Senate approved plans to put greater emphasis on the advising of students. Improvement of the undergraduate learning experience remains a major faculty concern, and groups are at work evaluating areas such as general curriculum, testing and grade inflation, and experimental learning procedures.

Doctoral programs are constantly under review, and a Graduate Council committee, along with outside consultants, continues to identify needs and to recommend improvements.

Among academic highlights of the year was the establishment of a medical ethics graduate program in philosophy, including a clinical residency at the UT Center for the Health Sciences. It is the first of its kind in the United States. The College
of Communications had its first doctoral graduate, and outstanding seniors were used for the first time to help teach legal writing courses in the College of Law.

A joint undergraduate teacher training program was launched by the Colleges of Education and Home Economics, and the School of Architecture introduced an innovative curriculum. There was a surge in undergraduate enrollments including growing numbers of women and minority students, in the College of Engineering.

The College of Business Administration established an advisory council of leading executives which has resulted in a series of campus visits by some fifty executives and the creation of a faculty internship in industry program.

To improve its services, the library began applying computer technology to literature searches and materials processing.

Enrollment Declines Slightly
Head count enrollment for fall quarter was 29,710, down slightly from the previous year's record high. UTK's experience corresponded to national fluctuations caused by tuition increases, enrollment limitations, and an improving job market. A growing number of graduate and nontraditional students brought the average student age to just over twenty-three years. Future increases in the undergraduate population are expected to be modest and manageable. Primary areas of future growth will be in graduate, evening school, and off-campus classes.

New Facilities
The College of Nursing has moved into its new building and ground was broken in February for the Art and Architecture Building, a desperately needed structure. When this building is completed, the scattered, substandard former residences used by the Art Department will be vacated.

The Walters Life Sciences Building goes into use this fall, and the Austin Peay Psychology Building, the former Administration Building, was opened in October 1976 after extensive renovation.

Construction continues on the College of Veterinary Medicine building, and a new student parking garage is being built near the west area residence halls.

Student Services Enhanced
Improvements were made in the varied services offered to students. Dining areas in Strong Cafeteria were redesigned, and a survey of prepaid board plans at southern universities showed that UTK had the greatest number of students enrolled, the longest hours of daily service, and the lowest daily cost to students.

The reapplication rate in residence halls reached a record eighty-five percent in 1976. Some 42,000 patient visits were recorded at the Student Health Clinic on campus and another 2,200 at the Student Clinic at UT Memorial Hospital. Average patient charge was $2.50.

Energy Research Stressed
To meet growing demands for energy and the threat of shortages, the University joined the Tennessee Valley Authority, Oak Ridge Associated Universities, and Union Carbide Corporation in an Energy Opportunities Consortium, a cooperative effort in energy research and development which takes advantage of the greatest concentration of scientific and engineering talent in the southeast.

Projects undertaken or continued this year include a complex of experimental houses designed to test...
uses of new energy sources such as solar energy in residential housing. Operated by the UT Environment Center, the Tennessee Energy Conservation in Housing Research Project is a joint venture of the University, TVA, the U.S. Energy Research and Development Administration, and the private housing industry.

The fluidized bed combustion program of the College of Engineering could enable furnaces to burn high sulfur coal and still meet emission standards, a development that would benefit the Tennessee coal industry.

Other coal-related programs deal with liquefaction—the conversion of coal into synthetic fuels and chemicals—and the environmental and economic effects of coal mining.

Other Research Developments

In other fields of research, College of Home Economics nutritionists have discovered the role of an enzyme system in metabolism which could lead to a new method of treating obesity; and research professors in the College of Engineering are developing fabric filters which serve as efficient pollution control devices.

The Noise Research Laboratory has expanded its studies to determine the range of effects of noise on the human body; and scientists at the Child Behavior Institute—one of three in the nation—are seeking new ways of dealing with delinquent behavior.

Public Service

The knowledge and expertise of faculty and staff continue to be extended to the general public in several ways. The Knoxville Commuter Pool, a model program coordinated by the UT Transportation Center, has received national recognition for its effectiveness in saving commuter costs, conserving energy, and reducing traffic and parking problems.

The School of Social Work has provided in-service training and staff development programs for Tennessee social service workers in the State Department of Human Services. The College of Nursing gives continuing education training for nurses and health-related workers in rural areas, using a specially-equipped trailer on loan from TVA.

The sign language interpretation service available to deaf students at UTK has been expanded to offer interpreters for job interviews and to teach the sign language to employers and fellow workers of graduates with hearing losses.

A consumer price index to measure the impact of inflation on consumer goods in the state's metropolitan areas was initiated by...
the Center for Business and Economic Research.

Administrative Changes

Two vice chancellorships fell vacant this year. Dr. L. Evans Roth, former director of the biology division at Kansas State University, succeeded Dr. Hilton Smith, who retired after thirty-five years with the University, as vice chancellor for graduate studies and research. Homer Fisher, former vice president of administrative affairs at Florida State University, was appointed vice chancellor for business and finance. He fills the position vacated by Stanford Bohne, who became vice president at the University of Utah. Dr. Alan Lasater, statistics professor, served seven months as acting vice chancellor.

Three colleges have new deans. Dr. Robert Landen of the University of Texas at Arlington succeeds Dr. Alvin Nielsen as dean of the College of Liberal Arts; Dr. William Coffield succeeds Dr. James McComas, now president of Mississippi State University, as dean of the College of Education; and Dr. Warren Neel fills the deanship of the College of Business Administration left vacant by the death of Dr. John Ross.

Areas of Concern

Additional faculty, space, and funding are the three most frequently cited needs. For many academic units, recent years of rising enrollments without corresponding budget increases have left needed teaching positions unfunded and unfilled while raising the faculty work load and student-teacher ratio.

The need for specialized laboratory and classroom space is especially critical in the College of Education, now housed in nine buildings scattered about the campus. An addition to Claxton Education Building would enhance the college's operations and ability to prepare teachers.

The James Hoskins Library is filled beyond intended capacity. Unsafe conditions exist in the stacks, and the seating space is steadily diminishing as the collection encroaches on reader space.

Recent American Association of University Professors figures reveal that UTK salaries fall in the bottom twentieth percentile nationally for every faculty rank. Clerical and supporting salaries lag some twenty percent behind those of area workers.

Development Activities

During the past year, the UTK Development Office helped coordinate several projects to secure funds in honor of distinguished faculty members. In January, an effort was launched to honor the late C. Kermit "Buck" Ewing, professor and head of the Art Department. Through the generosity of many friends, the fund reached its $50,000 goal. Income from this fund will provide scholarship assistance to deserving art students.

In the spring, friends of Dr. Alvin Nielsen, retiring dean of liberal arts, and of Prof. Allen Keally, retiring professor and head of industrial management, established funds to honor these two long-time faculty members. The Nielsen Fund, now with $19,776.34, will ultimately provide financial assistance for outstanding scholars in liberal arts, while the Keally Fund, now with $17,693, will provide an annual Outstanding Teacher Award in the College of Business Administration.

The Opening Night Club continues to provide substantial support for the UTK Theatre program, with more than 500 members annually helping support the Theatre through $100 memberships. The UTK Chancellor's Associates, comprised of area leaders, continues to provide a broad base of support to the University in many important ways.

UT SPACE INSTITUTE

At the University of Tennessee Space Institute at Tullahoma, UT, Knoxville professors and students continue to work together on many problems of current concern to the State and nation.

Of particular interest is the large research and development program in magnetohydrodynamics (MHD), funded by the Energy Research and Development Administration. This program, which is aimed at significantly increasing the energy obtained from a unit of coal, is now bringing millions of dollars into the State each year for equipment and payroll. A large, permanent MHD test facility is being constructed, to be operated by UTSI personnel.

Another indication of the overall success of the Space Institute is that currently over six times more non-State money than State money is being used to support its operations.

Overall the Institute continues to grow at a rapid pace, fulfilling the pledge made to the people of the State when it was constructed a decade ago.
The past year brought probably more steps to improve the quality of the Center for the Health Sciences than any other single year in the history of the Memphis campus.

The UTC HS administration entered into a new hospital contract with Shelby County, upon the termination of a fifty-year agreement, signaling a change in the approach to health care for the city and county.

Curricular changes were made in three of the six colleges, and programs and enrollments in others were altered to improve the quality and direction of educational programs.

Another major step was the conversion of the medical and dental programs from three to four years, following approval of the Board of Trustees.

The year saw the final construction phases of two major buildings and the start of another to climax a five-year, $47 million capital outlay program.

**Academic Developments**

Both the Colleges of Medicine and Dentistry will convert from three-year to four-year curricula beginning in September 1977. The change ends a period of more than forty years in which the College of Medicine was unique among medical schools with the three-year curriculum. The chancellor and deans believe the conversion to a four-year program will result in a better educational program for students and relieve the high level of stress which the shorter curriculum imposes on both students and faculty.

The change in curriculum in the College of Medicine was praised by the Liaison Committee on Medical Education, which recently approved the continuation of full accreditation for the college through 1980.

Although the College of Dentistry remains under conditional accreditation status, the expansion into the Dunn Dental Clinical Building, the increase in number of faculty, and a special legislative appropriation hopefully will relieve the situation.

The move toward quality in all UTC HS programs brought other steps. The Bachelor of Science in Nursing is being converted from a three-year to a two-year program following appropriate preprofessional preparation. Both the graduate and undergraduate programs have received full accreditation.

Enrollment has been reduced in the College of Pharmacy, resulting in improved program quality through an increased ratio of faculty to students.

The Clinical Education Centers in Knoxville and Chattanooga are attracting a growing number of applicants for internships and residency programs and are retaining a high percentage of their medical student graduates.

**New Hospital Contract**

The new hospital contract between the University and the Memphis-Shelby County Hospital Authority is one of the most significant steps taken this year in the quest for excellence. Replacing the 1926 contract between UT and John Gaston Hospital, the new agreement provides that UT will manage the hospital complex and provide faculty for the hospital's health professional staff for the next three years. The new management agreement specifies that policies will be established to assure a single standard of quality care for patients.

To implement this new concept of quality care throughout the hospital complex, Shelby County has authorized the expenditure of $33 million for construction of new facilities and the renovation of existing space. The county also has agreed to support services rendered to patients unable to pay, assuring that the hospital can be maintained as an effective service, teaching, and research unit of the University.

The conversion of the former Crump Hospital into a modern maternity and newborn center will be completed in midsummer and should be in full operation by mid-September.

**Research**

Despite the decline in grant funds awarded relative to the number of applications nationally, UTC HS...
continues to receive extensive grant and contract support. Awards this year amounted to approximately $19.4 million despite the federal government's withdrawal of some $561,000 in capitation funds and the loss of about $867,000 with the closing of the Regional Medical Programs. The total figure compares favorably with the $18.7 million of the previous year.

Among major projects initiated or funded this year is a $250,000 grant to the chairman of the Department of Neurosurgery to support a study of the metabolism of certain amino acids by specific malignant brain tumors.

Other major research grants include $150,000 from the National Institutes of Health to continue studies of the effects of hypertension of substances produced by the kidneys, and $250,000 to support a five-year study to develop innovative devices and technical aids to help care for physically handicapped individuals.

A $244,000 contract with the National Heart, Lung and Blood Disease Institute supports a study at the Newborn Center of a method which may reduce or prevent hyaline membrane disease, one of the diseases that claims the lives of newborn infants.

The College of Dentistry received a grant of some $300,000 to develop a training program for dental students in the utilization, management, and supervision of dental care delivery teams.

Public Service

Throughout the year UTCHS continued its strong public service effort. Medical care for indigent patients was provided at the City of Memphis Hospital and the Cancer Clinic. Forensic pathology and medical legal services also were provided for the City of Memphis and Shelby County and surrounding area.

The Department of Family Medicine gave primary health care for 20,000 patient visits in three model family practice centers at Jackson, Bartlett, and St. Joseph Hospital East in Memphis. The department also operated a health and medical access station at Memphis Airport.

The coordinator of the state medical scholarship loan program, who is a member of the Department of Family Medicine, counseled 200 students, placed 41 premedical and preclinical medical students with preceptors in nonmetropolitan communities, and provided placement services for physician graduates.

Administrative Changes

Several major administrative changes occurred. Dr. James R. Gay was named associate vice president for health affairs, and Mr. William R. Rice was appointed vice chancellor for administration of UTCHS.

Dr. Charles B. McCall, dean of the College of Medicine the past two years, accepted the deanship of a new medical school at Oral Roberts University, and a search committee is seeking a successor. Dr. E. William Rosenberg is acting dean.

Buildings

To complete the major phase of the UTCHS five-year capital expansion program, the College of Medicine Building was started in December. This three-story structure, which will house research laboratories and office space for fourteen departments in the medical college, is expected to be finished by January 1980.

Scheduled for occupancy in the near future are the new General Education Building, which will provide basic medical sciences or preclinical instruction facilities for students, and the Dunn Dental Clinical Building, which will more than double the space of the present College of Dentistry Building.

The move by the dean and many of the College of Medicine faculty into the new building at 66 North Pauline was completed this year. This six-story building, purchased in 1975 from private owners and subsequently completed, also houses offices of the Department of Family Medicine, the College of Community and Allied Health, and the Faculty Medical Practice Corporation.

Bids were requested this spring for a $2 million addition for the Memphis Regional Cancer Center, which will include the West Tennessee Cancer Clinic, the Cancer Research Laboratory and the core administrative functions of the Memphis Regional Cancer Center.

A $19 million revenue bond issue, approved by the Board of Trustees, awaits state approval for construction of a new wing at the UT Memorial Research Center and Hospital in Knoxville. The structure would replace inadequate facilities in the original wing and would provide new operating rooms, a radiology suite, thirty intensive care beds, and possibly up to 300 additional hospital beds.
The University of Tennessee at Martin continued its emphasis on excellence in undergraduate education, with particular attention being given to the residential, full-time student and to teacher-student relationships.

Martin lies in a region of the State that is growing in population and diversified businesses and industries, all of which enhance the graduate’s job opportunities. More than ninety percent of UTM graduates are employed after completing their college work, and average starting salaries are usually above $10,000.

Among the concerns of faculty and administration this year was the growing debate over the nation’s basic educational philosophy: who should be enrolled in college, and what should they be taught while there?

Academic Achievements

In order to broaden its undergraduate degree offerings to students, UTM this year gained approval of a four-year nursing program. Beginning in the fall of 1977, two-year nursing students will be able to pursue the B.S. degree in this new curriculum.

An Office of Graduate Studies and Research was created this year, with a dean responsible for coordinating UTM graduate programs and stimulating grant proposals by faculty members to federal agencies.

The engineering technology degree program in mechanical, civil, and electrical engineering technology won accreditation, and the department was elevated to school status, headed by a dean.

Use of Facilities

The use of on-campus housing this year was at a record high, marking the second year begun at UTM with one hundred percent dorm occupancy. With almost sixty percent of its students living in residence halls, UTM has the highest percentage in the State of students living on campus.

The year brought completion and occupancy of the new Physical Education/Recreation complex, the largest building on the Martin campus.

In like manner, maintenance, food service and bookstore employees, housing and University Center staffs have been reduced by eighteen full-time positions from 1972 levels.

The library acquisition rate has diminished by fifty percent because of rising costs of books and subscriptions.

Areas of Concern

Inadequate funding of past years continued to haunt the campus in 1976-77. Lack of funds was responsible for a reduction in the number of faculty to the 1970 level of 221. Consequently, the size of classes was increased from an average of twenty to more than twenty-two students.

In like manner, maintenance, food service and bookstore employees, housing and University Center staffs have been reduced by eighteen full-time positions from 1972 levels.

The library acquisition rate has diminished by fifty percent because of rising costs of books and subscriptions.

Faculty salaries remain low in comparison with those at other state universities, and salaries of hourly-wage personnel continue to range from ten to twenty percent below State averages.

Of great concern is the understaffing that occurs in both teaching and administrative departments as a result of inadequate salaries, a situation that can only lead to a decline in quality of instruction and services if allowed to continue.
A UT at Martin history professor, who specializes in American colonial and social history, and UTM students take part in the reconstruction of an 1850s farm in TVA's Land Between the Lakes.
The year was marked by a rise in morale and a positive growth in the quality and numbers of the faculty. Several academic programs were evaluated for accreditation this year, and there is reason to believe that all of these will be accredited.

The year also was marked by a signal achievement in the field of athletics—the winning of the NCAA Division II national championship by the UTC men’s basketball team.

One area of concern—student achievement in certain basic areas—is being approached by analyzing student competencies in reading and writing through tests administered to all entering freshmen this summer.

Academic Developments

Curriculum and program development continued with approval by the Tennessee Higher Education Commission of the B.A. degree in American studies and the master’s in criminal justice. Being considered at the various committee levels are a bachelor’s in computer science and an educational specialist degree.

In arts and sciences, initiatives were taken to form an Institute of International Education to coordinate development of curriculum, programs of international study, and travel and recruitment of international students.

In the area of accreditation, engineering, social work, nursing, and the school psychology portion of the master’s program in psychology were evaluated and had on-site visits. Preliminary findings from exit interviews indicate a high probability of success for accreditation of engineering and social work. The school psychology program already has been approved for certification.

In the liberal arts college, a mathematics learning laboratory has been planned and efforts to remedy math deficiencies will be extended by use of the computer.

The library continued its rapid growth in collections as well as in use of facilities. Some 10,500 volumes and 2,445 bound journals were added during the year. Major improvements made in the Library Audiovisual Center include the upgrading of multimedia production services and television service.

Faculty Development

A number of faculty members received grants from national organizations for further professional development. As an example, a faculty member in education has been awarded a summer study grant to Krakow University in Poland.

A new program in faculty development planned this year will be implemented in the fall. A grant of $108,000 from the UC Foundation will enable individual faculty and groups of faculty to improve their qualifications through advanced study and exposure to guest speakers at faculty seminars and workshops.

Grant awards were accelerated in all areas during the year. Engineering received a National Science Foundation grant for study of solar energy. Another NSF grant in precollege science was awarded to the Mathematics Department. Both the Art and Music Departments won grants from the Tennessee Arts Commission.

A major grant of $123,000 was made to UTC’s Social Work Department, and continuation grants were awarded to the Criminological Center for Analysis and Training.

Continuing Education and Public Service

The Division of Continuing Education this year offered more than 250 non-credit courses designed to update skills and knowledge of professionals and to give instruction in areas of personal interest. The division coordinates the newly developed “Listener’s Program,” which offers those planning to begin college work a chance to get first-hand classroom experience at minimal cost.

Student Affairs

Registration moved into a new era last fall with the first use of STARS (Student Terminal-Assisted Registration System), an innovative method of helping students to enroll in classes.

Student Services implemented several outreach programs to the student community, such as human potential seminars, career seminars, and rape prevention education offered by the Counseling Center.

The Student Health Services were expanded and the University Center diversified its services. Increased demand for on-campus housing necessitated the reopening of the Stadium Dormitory last fall.

The Minority Affairs offices sought to project a positive image of the minority student through programs such as the musical drama Look Inside, which was performed for more than 1,200 high school students.

Development

Through the UC Foundation Board and the Chancellor’s Roundtable, UTC kept Chattanooga community leaders informed of the kinds and quality of education available at UTC. Their efforts resulted in a number of significant gifts to the campus.

Among these was a $1 million gift from the Burkett Miller estate for an endowed chair of private enterprise and the establishment of a Center for Economic Education.

Other major gifts include a $66,000 gift-in-kind from the Baldwin-Hamilton Company for the Institute of Archaeology, and a $21,000 gift from Dr. Gary Litchford to establish the Joyce Litchford Memorial Scholarship in memory of his wife.
The UTC fine arts complex will have 72,000 square feet of floor space and will house the classrooms and offices of the Departments of Art, Music, and Theatre.

UTC basketball reached the pinnacle when the Mocs won the NCAA Division II national championship in Springfield, Massachusetts, this spring.

Registration at UT at Chattanooga entered a new era last fall with the use of STARS (Student Terminal-Assisted Registration System), a simplified method of helping students enroll in classes.
Dear Sir,

I have read your friendly letter of the 30th of May last. I have seen the proofs you enclosed to your letter, but had not the honour of being a member of that Federal convention which met in May 1825 in Convention House in York, and have no knowledge whatever of the subject. I have no time to write which will enable me to write the history of the county.

I see I said you no further information on that subject, but what you have derived from the proofs it would afford me much the better.

I am, sir, with due respect for
The ob't secret
Andrew Jackson

A UTN history professor, who serves as editor of the Andrew Jackson Papers project, and the associate editor examine the first manuscript in the fifteen-volume series.
The University of Tennessee at Nashville recorded a wide range of advances in 1976-77 despite the crippling effects of a lengthy federal court hearing and an adverse decision by U.S. District Judge Frank Gray, Jr.

Fall quarter and a five-week hearing in federal court began simultaneously. Winter quarter was punctuated by a natural gas crisis which forced closing of a classroom building, and, a few days later, the filing of the court's damaging decision ordering merger of UTN with Tennessee State University by 1980 under jurisdiction of the State Board of Regents.

Both the UT Board of Trustees and the Tennessee Higher Education Commission have appealed the ruling, and both are determined to take the case to the U.S. Supreme Court if necessary.

Although the court decision and its implications for the future of the campus have had a detrimental effect on morale, solid accomplishments have been made in academic programming, public service, minority recruitment, and instructional support.

Despite the unfavorable publicity regarding the court case during the two weeks before fall registration, UTN's enrollment increased by two percent. The student body continued to desegregate at a rapid pace, with blacks making up almost fifteen percent this year. Black freshman enrollment exceeded twenty percent, and the number of blacks on the full-time faculty almost doubled, from five in 1975-76 to nine this year. Blacks exceeded twenty percent in the clerical and supporting staff.

**Academic Achievements.**

In the academic area, the Division of Nursing faculty completed development of the Bachelor of Science in Nursing curriculum, and ten students were graduated.

The "College-Within-the-Walls" program at state penal institutions in Middle Tennessee grew as a means of rehabilitating prison inmates, with 250 enrolled for college credit and 11 receiving associate degrees in arts and sciences.

UTN and Tennessee State University entered a joint Master of Public Administration program previously offered in Nashville by UT, Knoxville and Middle Tennessee State University. An Educational Resource and Development Council was organized in cooperation with TSU and public school systems of Middle Tennessee, bringing together resources and interests of university and public school personnel for problem solution.

**Public Service**

UTN's public service efforts were accelerated in several areas during the year. A prime example is a year-long project of the Division of Business Administration. In September the division, in cooperation with the Nashville Area Chamber of Commerce and the U.S. Small Business Administration, launched a "Salute to Small Business" consisting of eighteen seminars and workshops to help small business owners, managers, and employees develop skills in a variety of areas.

The Division of Nursing developed recreational programs for the elderly and took part in screening clinics and blood pressure clinics.

The Division of Public Service helped conduct 767 conferences and 152 non-credit courses for 49,926 participants. The division also started a Tourism Education Program to serve the tourism industry.

Among programs initiated for UTN's adult student constituency is the New Career Horizons program for women, which seeks to create internships for women in business, industry, and government, and to correlate the internships with classroom studies.

**Research Activities**

Research activities at UTN increased during the year. An assistant professor of engineering spent the year with the National Aeronautics and Space Administration under a grant to study possible use of advanced composite materials for future space transportation systems. Another engineering faculty member received a fellowship from NASA to conduct research on finite element analysis of aircraft structures.

Editing of the Andrew Jackson Papers continued, and the manuscript for the first of fifteen volumes is to be delivered to the UT Press for publication.
INSTITUTE OF AGRICULTURE

Units of the University's Institute of Agriculture continued as national leaders in offering education, research and service to improve the capability and productivity of the State's agricultural sector.

During the past year, the State's first College of Veterinary Medicine opened on the Institute of Agriculture campus at Knoxville. The Agricultural Experiment Station continued a strong research effort in food production, the College of Agriculture recorded additional enrollment increases, and the Agricultural Extension Service carried its program throughout the State via extension agents in each county.

Veterinary College Is a Reality
The first class of forty students was admitted to the professional curriculum of the College of Veterinary Medicine in September 1976. A second class of sixty students was selected for admission in September 1977, and only Tennessee residents have been admitted so far.

Construction of three animal-holding buildings was completed on the University's Cherokee Farm in Knoxville. These are being used as an interim teaching hospital pending completion of the main College of Veterinary Medicine Building in 1978.

The college also inaugurated its farm veterinary service (ambulatory clinic). Faculty clinicians, in a specially-equipped vehicle, began making calls to farms within a fifty-mile radius of the campus to treat livestock. Next year, students will accompany the ambulatory clinicians to learn how to treat animal disease problems in the field.

Agriculture College Grows
Enrollment in the College of Agriculture increased again during 1976-77, with the greatest growth in animal science; forestry, wildlife and fisheries science; and ornamental horticulture and landscape design. Enrollment in the college has increased sixty-nine percent in the past four years, attracting more students than ever before from urban and rural non-farm backgrounds. The number of female students enrolled in the college also increased last year.

Job opportunities for master's and doctoral graduates continue to be excellent. Opportunities for undergraduates, with the exception of forestry and wildlife graduates, remain good.

Approximately thirty percent of the undergraduate students in the college are on the honor roll each quarter. Agricultural engineering students took top honors in all three categories of Engineers Day activities, and the livestock judging team won the annual Southeastern Livestock Evaluation contest.

Enrollment growth in the college has pushed the student/faculty ratio to forty-eight to one, and faculty research productivity is being affected.

Experiment Station Aids Farmers
The program of the Agricultural Experiment Station continued to

Agricultural Extension Service specialists take knowledge directly to farmers by explaining the safe use of new mechanical equipment and proper hay harvesting techniques.

UT researchers are experimenting with solar energy for more efficient drying of hay. The solar energy collector, left, delivers heated air through the duct to an open chamber for drying large bales or stacks of hay in the barn.
emphasize research benefiting agriculture. An estimated fifty-seven percent of the total research projects emphasized increasing the quality and quantity of food production.

Tennessee is one of the leading states in feeder calf production, and UT research on the development of an improved classification system for feeder calves has received national attention. This classification system makes possible more accurate prediction of performance and increased uniformity of cattle in feedlots. Applying the results of this research could result in savings and/or increased value of $15 to $20 per head of cattle.

This year nine species of fungi which cause cotton seedling blight were identified in West Tennessee soils. This disease can kill seedling cotton and result in substantial loss for farmers. Cotton farms should benefit significantly from this research as more specific recommendations on means of control are developed.

New and safe food coloring has received a great deal of attention this year. A possible new red food coloring was successfully reclaimed from waste liquor generated in the canning of red bell peppers. The material is identical to an existing colorant, but a stability study indicated the new substance is more resistant to the effects of heat and light. This work demonstrated that a useful by-product can be reclaimed from a canning waste which is now creating a pollution problem.

UT researchers are testing the use of solar radiation for more efficient drying of hay, both in the field and in storage facilities. This research would aid in forage preservation without use of expensive fossil fuels. An open-type chamber for drying large hay packages using solar-heated air was completed and evaluated.

A study of tobacco preparation for marketing could result in significant savings for farmers. A new method of taking the tobacco to market loose rather than in small bundles, or "hands," could save $100 an acre in labor. Studies of mechanized harvesting also point toward drastic labor reductions.

Extension Service Reaches Out

The UT Agricultural Extension Service, with agents in each of Tennessee's ninety-five counties, conducts educational programs based on the needs of local people. Priority has been placed on training farmers and others for certification to use restricted pesticides. During the past few months, 45,205 farmers have been trained and certified in sixty-six Tennessee counties. It is estimated that another 30,000 remain to be certified.

Extension home economists have conducted out-of-school educational programs with approximately 82,300 adult homemakers in 3,159 groups in addition to home visits and mass media contacts. The Expanded Nutrition Program is taking nutrition information to 13,000 target low-income families plus 25,000 youth.

The Agricultural Extension Service continues to utilize the resources of UT and State and federal agencies in the development of rural Tennessee. For example, the Morgan County Rural Development Committee received the USDA Superior Service Award for outstanding accomplishment in improving rural life. The citation recognizes accomplishments made through the leadership of the Extension Service and local citizen involvement.

The Federal Assistance Programs Retrieval System, a computer information system operated by the Extension Service, provides financial and technical assistance information for community development projects. Information on federal loan and grant programs from the Federal Assistance Programs Retrieval System has been provided to some fifty different entities.

For the second consecutive year, Tennessee ranked first nationally in the total number of 4-H Club members with 171,846. However, total participation reached through all methods was 200,398. Participation in 4-H camps and conferences increased for the sixth consecutive year.

Some Areas of Concern

Vital to the continued growth and improvement of 4-H programs in Tennessee is the Clyde Austin 4-H Training Center, which is badly deteriorated. Renovation is needed to make the facility usable by youth and other groups from the twenty-one East Tennessee counties.

A matter of primary concern has been the level of State support for Agricultural Extension educational programs. These programs have been reduced and curtailed to cope with inflation and low State appropriations.

However, the 1977-78 State appropriations will reverse this negative trend and allow the restoration of reductions made during the past year.
THE UNIVERSITY OF TENNESSEE IS RECOGNIZED ACROSS THE NATION FOR ITS INSTITUTE FOR PUBLIC SERVICE, WHICH HAS BEEN A LEADER IN PROVIDING TECHNICAL ASSISTANCE TO STATE AND LOCAL GOVERNMENTS THROUGH NEW AND EXPANDED PROGRAMS DESIGNED TO MEET THE CHANGING NEEDS OF STATE, CITY, COUNTY, AND INDUSTRIAL OFFICIALS.

**New and Expanded Programs**

Indicative of this ability are new and expanded programs designed to meet the changing needs of state, city, county, and industrial officials. An area of current concern is energy—how to conserve its use, how to convert to alternate supplies, and how to use new sources economically. Agencies of IPS, particularly the Center for Industrial Services and the Technical Assistance Center, have been providing assistance in the area of energy conservation for a number of years.

CIS has sponsored numerous energy-related workshops, most recently a series of management conferences which attracted more than 300 business and industrial officials. Working with faculty and students of UT campuses, CIS has helped a number of firms identify ways to cut energy usage through comprehensive energy audits. Unfortunately, the demand for this assistance currently surpasses the Center's ability to respond.

Similarly, TAC has supported studies ranging from a survey of energy manpower skills needed in the Greater Knoxville area to the possible use of reject water as a source of energy.

**Municipal Leadership Program**

However, the needs of public and private sector officials go beyond those of energy. In responding to the multiplicity of municipal needs, the Center for Government Training and the Tennessee Municipal League launched in 1977 a year-long "Tennessee Municipal Leadership Program."

Each workshop in the series deals with a specific topic of interest to elected or appointed city officials and ranges in length from a few hours to a few days. Officials from nearly a fourth of the State's incorporated cities participated in at least one of the programs offered during the first four months.

Local government officials have pressing needs in a number of other areas. For example, the general ledger accounting and bookkeeping system developed in 1975 by TVA and UT's Municipal Technical Advisory Service now serves thirty-two Tennessee cities. Other cities are interested in implementing the accounting system, but computer facility capacity has not been available to accommodate them. County governments also recently expressed an interest in the computerized system, and the County Technical Assistance Service was ready to help them.

To meet this increasing demand for more efficient and effective financial recordkeeping, IPS, CTAS, MTAS, and TVA investigated alternate capabilities to fill this need of local governments. Help was given cities and counties in forming their own nonprofit data processing corporation. Operated by representatives of local government, the corporation is making computer services available to all local governments in Tennessee. MTAS and CTAS continue to provide technical assistance to cities and counties respectively.

**Staff Reductions To Be Restored**

Providing such services requires highly productive personnel and adequate financial resources. Fortunately, the budgetary problems of the past few years have, for the most part, improved, and no additional staff cutbacks are anticipated. In fact, staff reductions made the past two years by MTAS will be restored next year with additional State and municipal funds.

With this renewed awareness of and support for the public service programs of the University, IPS and its agencies should continue to operate an assistance program recognized as one of the best in the country.
The State-wide Division of Continuing Education in 1976-77 continued to offer a broad range of educational opportunities to Tennesseans—correspondence courses, radio and television instructional programs and courses, library services, educational films, and training for Head Start personnel.

Center for Extended Learning
The University, through the Center for Extended Learning, continued to offer credit courses from all campuses, as well as a number of non-credit and high school courses. The year’s statistics are impressive:

- A total of 339 different courses offered for college credit, 14 from UT at Chattanooga; 251 from UT, Knoxville; 63 from UT at Martin; 5 from the Center for the Health Sciences; and 6 from UT at Nashville.
- A total of 31 non-credit courses offered, along with 95 high school courses.
- Enrollments in credit courses extended from UTC, 85; UTK, 2124; UTM, 312; UTCHS, 154; UTN, 44; in high school courses and others, 1,083.

The Center also administers multimedia courses using various combinations of printed materials, slides, videotapes, and broadcast television segments. For example, videotape offerings included a non-credit series in Acute Nursing Care and Pharmacology for Nurses in which twenty-two hospitals and colleges in four states participated.

Department of Radio Services
The two primary components of this department, the powerful FM station WUOT and the State-wide network of taped educational programs, continued taking the University’s know-how to the people via the airways. Radio Services broadcast 22,782 quarter hour information programs on 158 commercial stations; and WUOT was on the air 6,953 hours during the year.

Department of Television Services
Cooperating closely with the Center for Extended Learning, the Department of Television Services continued serving individuals ranging from the third grade to the postdoctoral level. Most program units are conceived and developed by the Center, with Television Services handling production, duplication, and distribution.

The mainstay of this department’s varied activities has been the operation of the Closed-circuit Television Service on the UTK campus.

Head Start Training
Operating in two distinctive areas of training, the University continued its effort to prepare staff for the Head Start program in Tennessee. The Head Start State Training Office, representing one area of training, provided a field staff of nine professional trainers conducting workshops, distributing training materials, and conducting monthly consultative visits to the nineteen Head Start grantees.

Under the Head Start Supplementary Training-Child Development Associate project, which provides academic credit and practicum experience for teachers working with preschool children, ten persons were able to obtain credentials as Child Development Associates.

Members of the department staff are located on the campuses at Martin, Chattanooga, Nashville, and Knoxville, and future plans are to place a staff trainer in Memphis.

Department of Library Services
The Library Services Department had a busy year of work in the areas of package library service, drama and book loans, information-reference service, reading program of the Tennessee Federation of Women’s Clubs, and publications and speeches by the director.

During the year the department filled 1,936 requests for play scripts and related materials, mailed 842 books to individual borrowers, filled 585 package library requests, and answered 2,537 requests for school and club program services involving library materials, book lists, and program suggestions.

Teaching Materials Center
In addition to serving UT’s own campuses, the Teaching Materials Center, which contains educational films, color slides, transparencies and other visual materials, answered requests from some thirty-two colleges and universities and sixty-five public schools during the year.

In all, 5,083 films were used by teachers and groups throughout the state, and 3,427 were used on the UT campuses. Attendance at film showings totaled about 360,000 persons.

Cooperative Education Program
The Undergraduate Cooperative Education Program, in its fifth year of assistance to students wanting a cooperative work and learning experience, placed 103 students in fifty-seven job slots with fifty-three employers during 1976-77.
Enrollments Rise Slightly

Whereas many universities in the nation experienced enrollment declines in 1976-77, The University of Tennessee continued its upward climb in numbers of students. The gain was a slight one, however, and represents an expected slowing of the rate of enrollment growth.

The accompanying table shows that the head count enrollment on all campuses increased by only 41 in the fall of 1976 over the fall of 1975. The grand total of 49,123 students last fall kept UT among the largest institutions of higher education in the nation, ranking eighteenth among the more than 2,000 colleges and universities.

Finances

Considerable time and effort were spent this year in modernizing and updating the computer system and programs which facilitate the processing, analysis, and reporting of the University's financial transactions and information. Effective July 1, 1977, a new Financial Data Base system will be placed in use, affording increased flexibility in the processing and dissemination of financial reports and information for both internal control purposes and external uses.

The budget staff has worked with the Tennessee Higher Education Commission and the Office of the Commissioner of Finance and Administration to develop a zero-based budget format, a system familiar to State officials.

Endowment trust funds held by the University now exceed $18 million. Investments, kept in a balance of approximately fifty percent in equities and fifty percent in fixed income securities, are monitored through participation in the annual performance study by the National Association of College and University Business Officers. Last year's report placed UT's endowment pool results in the top twenty percent of the 150 participating educational institutions for the past ten years.

Division of Facilities Planning

Since July 1, 1976, UT has awarded construction contracts amounting to $27,942,400. The total value of projects under construction during 1976-77 is $90,463,061.

Major projects substantially completed this year total $37,165,877. These include the Walters Life Sciences Building at Knoxville, the Physical Education/Convocation Center at Martin, and the Dunn Dental Clinical Building and Basic Medical Sciences/General Education Building at Memphis.

The College of Veterinary Medicine Building at Knoxville is the largest project under construction. This project is forty-six percent finished and is scheduled for completion in July 1978.

This year the Division of Facilities Planning took part in and completed the Facilities Evaluation Survey with representatives of the State Board of Regents, Tennessee Higher Education Commission, and the State Architect's Office. This survey provides data on all facilities for use in planning and funding of improvements to existing buildings at all colleges and universities in the state.

Legislative Program

The 1977-78 operating appropriations for the University will be $110,759,000, an increase of $15,002,710 or almost sixteen percent over 1976-77. Through the recommendations of the Tennessee Higher Education Commission and Governor Ray Blanton, and appropriations of the General Assembly, UT's budget will have its largest increase in four years. These appropriations, however, are some $6 million below THEC proposals.

The 1977-78 operating appropriations for formula campuses (UTK, UTC, UTN, and UTM) cover more than ninety-eight percent of the THEC formula recommendations. These funds will provide for an average seven percent salary raise, growth in fixed costs for items such as utilities and staff benefits, and some projected enrollment growth. No funds are provided for new or expanded programs or to finance a major rise in our relationship with sister states in higher education financing.
The operating budgets proposed by the Tennessee Higher Education Commission and the Governor, along with the appropriations made by the General Assembly, are set forth in the accompanying table.

Particularly pleasing are appropriations for Agricultural Extension and the Agricultural Experiment Station which contain dollars for program improvements, salary raises, and fixed costs. New and expanded research in soil erosion, soybeans, and forage crops will be undertaken and several Extension positions abolished this year can be reinstated. The College of Veterinary Medicine will receive the dollars necessary to continue its planned development on schedule.

The Center for the Health Sciences will be in its best financial position in several years. Funds are available to open, staff, and operate the new Dunn Dental Clinical Building and the New Basic Medical Sciences/General Education Building. A special appropriation of $350,000 made for the employment of dental faculty will relieve lingering accreditation problems. The legislature also added $180,000 for the Chattanooga Clinical Center and $100,000 for the Chattanooga Family Practice Program.

Funding for MTAS, CTAS, Public Service, and Continuing Education remains basically at continuation levels with a slight reduction in funding for the Institute for Public Service.

The General Assembly enacted legislation to substantiate UT's claim to sovereign immunity in lawsuits and to recognize the unique leave policy needs of higher education. Legislation to create one board for all public education, to remove money from UT's family practice program, and to interfere with curricular matters was defeated or deferred. The Governor vetoed a piece of legislation that would have forced UTCHS medical graduates to practice in Tennessee for four years after graduation or pay about $60,000 in educational costs.

### Capital Outlay
The 1977-78 capital outlay appropriations for UT include $5,900,000 for the UTC Fine Arts Building; $1,027,000 for matching funds for Family Practice Centers; and $950,000 for equipment for the physical education complex at Martin. The legislature also authorized architectural preplanning money for a sports arena at UT at Chattanooga. To be of great value is the Governor's proposal to the General Assembly for $5 million in major maintenance funds for all institutions of higher education. UT's share is $2,250,000, which will be used to upgrade facilities to prevent and correct deterioration.

### ANALYSIS OF STATE OPERATING APPROPRIATIONS

<table>
<thead>
<tr>
<th>Capital Outlay</th>
<th>The 1977-78 capital outlay appropriations for UT include $5,900,000 for the UTC Fine Arts Building; $1,027,000 for matching funds for Family Practice Centers; and $950,000 for equipment for the physical education complex at Martin. The legislature also authorized architectural preplanning money for a sports arena at UT at Chattanooga. To be of great value is the Governor's proposal to the General Assembly for $5 million in major maintenance funds for all institutions of higher education. UT's share is $2,250,000, which will be used to upgrade facilities to prevent and correct deterioration.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Formula Units</strong></td>
<td><strong>THEC Appropriations FY 1977 - 1978</strong></td>
</tr>
<tr>
<td>UT at Chattanooga</td>
<td>$6,612,000</td>
</tr>
<tr>
<td>UT, Knoxville</td>
<td>43,526,000</td>
</tr>
<tr>
<td>UT at Martin</td>
<td>7,140,000</td>
</tr>
<tr>
<td>UT at Nashville</td>
<td>4,660,000</td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>$61,938,000</strong></td>
</tr>
<tr>
<td><strong>B. Non-Formula Units</strong></td>
<td><strong>Appropriated by Legislature FY 1977 - 1978</strong></td>
</tr>
<tr>
<td><strong>UT Center for the Health Sciences</strong></td>
<td><strong>Memphis Campus and Memorial Research Center</strong></td>
</tr>
<tr>
<td></td>
<td>Family Practice</td>
</tr>
<tr>
<td></td>
<td>Clinical Centers</td>
</tr>
<tr>
<td><strong>UT Space Institute</strong></td>
<td>750,000</td>
</tr>
<tr>
<td><strong>Agriculture</strong></td>
<td><strong>Agricultural Experiment Station</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Agricultural Extension Service</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Veterinary Medicine</strong></td>
</tr>
<tr>
<td><strong>Public Service</strong></td>
<td><strong>Institute for Public Service</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Municipal Technical Advisory Service</strong></td>
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<tr>
<td></td>
<td><strong>County Technical Assistance Service</strong></td>
</tr>
<tr>
<td><strong>Continuing Education</strong></td>
<td><strong>Division of Continuing Education</strong></td>
</tr>
<tr>
<td></td>
<td><strong>UT Administration</strong></td>
</tr>
<tr>
<td><strong>Subtotal</strong></td>
<td><strong>$38,818,290</strong></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$95,756,290</strong></td>
</tr>
</tbody>
</table>

- A. Original appropriation of $18,328,290 was reduced by $323,710 due to capital receipts in Fiscal year 1976-77.
- B. Includes $120,000 added by the 1977 Legislature.
# The University of Tennessee

## Budget Summary 1976-77 and 1977-78

### Unrestricted Current Funds*

(1977-78 Budget Adopted at Board Meeting, June 16, 1977)

<table>
<thead>
<tr>
<th></th>
<th>Actual Expenditures and Transfers 1976-77</th>
<th>Proposed Budget 1977-78</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knoxville (including Knoxville Campus, Evening School, School of Social Work, Testing Bureau, and The Joint University Center at Memphis)</td>
<td>$91,187,642</td>
<td>$96,700,542</td>
</tr>
<tr>
<td>Space Institute</td>
<td>2,097,274</td>
<td>2,180,718</td>
</tr>
<tr>
<td>Center for the Health Sciences (including Memphis Campus; Clinical Education Centers at Knoxville and Chattanooga; Family Practice Centers at Memphis, Knoxville, Chattanooga, and Jackson; and the Memorial Research Center at the UT Hospital at Knoxville.)</td>
<td>32,047,320</td>
<td>36,735,537</td>
</tr>
<tr>
<td>Martin</td>
<td>13,944,820</td>
<td>15,138,967</td>
</tr>
<tr>
<td>Chattanooga</td>
<td>12,914,784</td>
<td>15,234,061</td>
</tr>
<tr>
<td>Nashville</td>
<td>7,324,135</td>
<td>8,472,860</td>
</tr>
<tr>
<td>Agricultural Experiment Station</td>
<td>8,300,709</td>
<td>9,226,423</td>
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<tr>
<td>Agricultural Extension Service</td>
<td>9,369,599</td>
<td>10,694,165</td>
</tr>
<tr>
<td>Veterinary Medicine</td>
<td>1,627,035</td>
<td>2,749,200</td>
</tr>
<tr>
<td>Municipal Technical Advisory Service</td>
<td>699,935</td>
<td>840,098</td>
</tr>
<tr>
<td>County Technical Assistance Service</td>
<td>538,202</td>
<td>648,053</td>
</tr>
<tr>
<td>State-wide Programs (including State-wide Continuing Education, State-wide Institute for Public Service, and University-wide Administration and Services)</td>
<td>4,697,495</td>
<td>5,147,137</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$184,748,950</strong></td>
<td><strong>$203,767,761</strong></td>
</tr>
</tbody>
</table>

## Estimated Revenue 1977-78

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Fees</td>
<td>$30,999,670</td>
</tr>
<tr>
<td>State Appropriations</td>
<td>110,759,000</td>
</tr>
<tr>
<td>Federal Appropriations</td>
<td>8,095,452</td>
</tr>
<tr>
<td>Gifts, Grants and Contracts</td>
<td>6,682,671</td>
</tr>
<tr>
<td>Sales of Educational Departments</td>
<td>7,030,095</td>
</tr>
<tr>
<td>Sales of Auxiliary Enterprises</td>
<td>35,107,447</td>
</tr>
<tr>
<td>Miscellaneous Revenue and Previous Year's Balance</td>
<td>5,093,426</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$203,767,761</strong></td>
</tr>
</tbody>
</table>

*Does not include operational funds for UT Hospitals at Knoxville and Memphis and restricted funds from gifts, grants and contract research.
Where UT's Money Comes From...

Resources Budgeted 1977-78*

- Gifts, Grants, and Contracts $47,496,951 (16.7%)
- Federal Appropriations $8,095,452 (2.8%)
- Endowment Income and Other Sources $9,283,044 (3.2%)
- Student Fees $30,999,670 (10.9%)
- Auxiliary Enterprises $35,107,447 (12.3%)
- State Appropriations $110,759,000 (38.9%)
- Sales and Services of Educational Activities $43,191,703 (15.2%)

Grand Total $284,933,267 100%

...And Where It Goes

Uses of Budgeted Resources 1977-78*

- Instructional Programs and Related Activities of Academic Departments $132,158,437 (46.4%)
- Institutional Support, Student Services, and Staff Benefits $40,338,630 (14.1%)
- Research $32,764,717 (11.5%)
- Scholarships and Fellowships $7,304,501 (2.5%)
- Maintenance and Operation of Physical Plant $16,448,845 (5.8%)
- Extension and Public Service $20,511,587 (7.2%)
- Other $1,044,342 (0.4%)

Grand Total $284,933,267 100%

*These resources include not only the unrestricted budget funds but also operational funds for UT Hospitals at Knoxville and Memphis, and unrestricted funds from gifts, grants, and contract research.
The past year was one of the most important in the history of the University’s development program. Since Dr. Andy Holt began the development program in 1954, many success stories have been told, all of which have strengthened UT’s position as a leader in the world of higher education. Private gifts have helped the University make available the extras that reflect greatness at our institution today.

For the past two years the UT Development Council has studied the possibility of launching a major gifts campaign unlike any in the University’s history. The proposed campaign would, in fact, be first in the United States because it would encompass each campus and unit of the State-wide University.

The final details of this major effort are not complete, but planning is proceeding. Every effort is being made to ensure that the preparations are sound and represent good business principles. Goals of the proposed campaign would be retaining superior faculty, strengthening academic programs, and providing specialized equipment that cannot be obtained without private gift support.

Large Gifts

The Development Council, under the leadership of its chairman, Robert Evans, has been instrumental in generating several large gifts this past year. Following are some of the most significant gifts UT received during 1976-77.

- The University received $632,000 as its portion of the first distribution of the Herbert S. Walters estate. Walters named the University recipient of seventy percent of his estate via a unitrust agreement. The income will eventually provide scholarships to deserving UT, Knoxville students.
- Last fall, the Fred M. Roddy Foundation presented the University with $100,000—$50,000 for upperclass scholarships and the remainder to be added to the Roddy Scholarship Endowment at UTK. The University has received a total of $855,500 from the Roddy estate and Foundation.
- The UT Center for the Health Sciences received its largest bequest ever last fall. Dr. Edward W. Mitchell, Jr., who died last summer, specified in his will that most of his $1.5 million estate be placed in a trust with the University. After twenty years the trust will be dissolved, and all assets will be given to UTCHS to build a facility which will bear Mitchell’s name.
- A chair of free enterprise will be established at UT at Chattanooga with a $1 million bequest from Burkett Miller, a Chattanooga attorney and philanthropist who died in January. The chair will be named in honor of Scott L. Probasco, Jr.
- The scholarship fund established in memory of C. Kermit “Buck” Ewing, late head of the UT, Knoxville Art Department, surpassed its goal last spring. The fund will provide more than $2,500 in annual income for scholarships for UTK art students.
- The University received $436,132 to establish the Gilbert F. Parker Endowment Fund at UT at Martin following Parker’s death last fall. The fund will provide scholarships for needy and deserving UTM agriculture students.
- During the past year a campaign to complete the cost of equipping the new Dunn Dental Clinical Building at UTCHS was begun. More than $400,000 of the $600,000 goal has been raised.

The University has received many gifts during the past twenty years in the form of trust agreements. As long as current tax laws exist, these various life income plans represent a tremendous potential for building the University’s endowment fund. Accordingly, during 1976 more than $307,000 was paid to individuals who have established life income agreements with the University.

Dr. Andrew D. Holt, UT president emeritus, cuts a cake to celebrate twenty years of service by the UT Development Council. Observing, from left, are William B. Stokely, III, immediate past chairman of the council; Williford Gragg, council member, and UT President Edward J. Boling.
During 1976-77, The University of Tennessee's program of alumni activities and annual giving remained among the most comprehensive and successful in the nation.

Alumni chapters located throughout the state and nation form the base for the strong support programs of alumni affairs and annual giving, with sixty-six chapters in Tennessee and forty-two out-of-state. More than 120 alumni chapter meetings were held in 1976-77 with an attendance of more than 8,000.

Alumni Leadership Training Conferences for alumni chapter officers and new members of the Board of Governors; Board meetings; Women's Activities seminars; special programs for medical, dental, pharmacy and nursing alumni; homecoming and class reunion programs; Undergraduate Alumni Council activities; alumni tours; and annual giving campaigns brought the total number of alumni and other friends participating in program activities to more than 23,000, an increase of more than 1,500 over 1975-76.

The Annual Giving Program continues to be among the top eight such programs in public institutions in the United States and Canada. In 1975-76, The University of Tennessee Annual Giving Program reached the million-dollar mark with a record-shattering $1,077,211. The year now ending has been another record-breaking one, with alumni and other friends giving a total of $1,251,297.

The above table illustrates the comparison in annual giving between 1975-76 and 1976-77.

The Annual Giving Program provides some of the key ingredients in the pursuit of excellence at all campuses of The University of Tennessee. These gifts each year fund scholarships, Outstanding Teacher Awards, Distinguished Service Professorships, library grants, visiting lecturerships and many other projects that enhance the academic programs of all five campuses.

There is a genuine partnership between the University and the National Alumni Association. Key alumni volunteers are involved in nearly all phases of University activity, and their interest, concern, commitment, time and effort represent the primary reasons for the success of the total program of alumni affairs and annual giving.
A FORWARD LOOK

As the preceding reports indicate, The University of Tennessee made steady progress on most fronts despite criticism of higher education in general, a national trend toward leveling enrollments, and the lingering effects of recent years of inadequate funding.

The road ahead may not be entirely smooth; but strengthened by this year's appropriations by the State Legislature, 1977-78 holds a great deal of promise.

The Nashville court case will consume time, effort, and funds; but the unprecedented court ruling, if allowed to stand, has such serious implications for higher education that it must be taken to the higher courts for final solution.

The chief enemy, as in past years, will be inflation. If this erosive economic factor soars into the double-digit range again, institutions such as this will suffer grave consequences. This year's appropriations, while not all that was needed, will allow the University to continue its programs, give faculty and staff an average seven percent salary increase, and make improvements in selected areas. Of special importance to this year's progress were allocations, made at the Governor's recommendation, that will allow the University to recover lost ground, and to make some progress, in the vital areas of agriculture.

Compliance with federal regulations, such as Occupational Safety and Health Administration (OSHA) standards and Title IX, continues to work hardships on all of higher education through time-consuming paperwork and additional costs to already strained budgets.

We are encouraged by the fact that after three consecutive years of fee increases, we will be able to avoid a raise in charges to in-state students. This is deeply gratifying, because the University firmly holds to the low-fee concept which allows all qualified and deserving students to obtain a college education. On the other hand, the University will be obliged to raise out-of-state fees again in 1977-78 by four percent to bring the institution in line with other state universities and colleges.

The year ahead will bring challenges. Energy will remain a factor in budgetary considerations. For years the University has grappled with rising energy costs, and thus far has managed to survive through judicious uses of heating, air conditioning, automobile fleets, and the like. The future no doubt means a continuation of past conservation measures, as well as a constant search for new ways to cut corners.

At the same time, work must continue in the University's research laboratory for ways to conserve and produce energy that will ultimately benefit the entire nation.

EEO/TITLE IX/SECTION 504 STATEMENT
The University of Tennessee does not discriminate on the basis of race, sex, color, religion, national origin, handicap or veteran status in provision of educational opportunities or employment opportunities and benefits.

The University does not discriminate on the basis of sex or handicap in the education programs and activities which operate pursuant to the requirements of Title IX of the Education Amendments of 1972, Pub. L. 92-318 and Section 504 of the Rehabilitation Act of 1973, Pub. L. 93-112 respectively. This policy extends to both enrollment and admission to the University.

Inquiries concerning Title IX and Section 504 should be directed to the Office of the Executive Assistant to the President, 425 Andy Holt Tower, 974-4482. Charges of violation of the above policy should also be directed to the Office of the Executive Assistant to the President.
The University faces challenges in carrying out its traditional three-fold mission of teaching, research, and public service as funding becomes an increasingly greater problem. Help in this regard hopefully will come from the proposed capital gifts campaign. Final plans for this fund-raising effort, which will benefit all areas of the University's academic operations, will be submitted to the Board in the fall.

Perhaps the greatest challenge and the greatest opportunity the University faces is in serving the nontraditional student—the man or woman who does not fall into the conventional 18- to 23-year-old age bracket. A recent report of the Carnegie Commission on higher education suggests that the future of many colleges and universities may depend on their ability to provide opportunities for the nontraditional student. The Commission predicts that by the mid-1980s, some sixty percent of higher education activities will involve the nontraditional student. It is evident that the University's ability to attract and serve these students will be of great importance in the years ahead.

An even greater opportunity will exist when Tennessee moves to fulfill its responsibility in the upgrading and relicensing of professionals in fields such as law, accounting, and real estate, and when the national specialty boards require recertification of physicians and dentists in the various fields of specialization. Increasingly, states are requiring certain professionals to undergo periodic reexaminations to assure that they have kept up with changes in their fields, and specialty boards are increasingly requiring physicians and dentists to be recertified in their specialties. Higher education has an opportunity to help these professionals keep abreast of change.

For the progress made by all University campuses and other Statewide agencies during 1976-77, the vital contributions of the Board of Trustees and the administrators, faculties and staff and the students on all the campuses are acknowledged. And at this time we are happy to convey to members of the Board of Trustees another acknowledgment of their contributions to higher education, this time from the Tennessee Education Association. At the annual Representative Assembly of the TEA this year, a resolution was adopted which stated that the Assembly "Commends the Tennessee Higher Education Commission, the State Board of Regents and The University of Tennessee Board of Trustees for continued support of quality education in all public institutions of higher education in Tennessee." We heartily concur in this commendation of the Board.

We express our gratitude to the Tennessee Higher Education Commission, to Governor Blanton, Commissioner William L. Jones, Lieutenant Governor John Wilder, Speaker Ned Ray McWherter, and to members of the General Assembly. We are also indebted to the University's Development Council, the National Alumni Association, and the private support organizations of the five academic campuses. The contributions of all of these groups have helped to make this year, 1976-77, a significant one in the 183-year history of the University.

Respectfully submitted,

Edward J. Boling
President
A REVIVAL OF VALUES