

NASA AWARDS MANAGEMENT GRANT

A contract of \$32,568 was issued by the National Aeronautics Space Administration Lyndon B. Johnson Space Center this week to Tennessee State University and will be implemented by the University's Department of Government and Public Affairs.

Dr. Charles Sampson, Government and Public Affairs head stated that the project will concern itself with an

analysis of methods and techniques used by government agencies in managing indirect costs at major aerospace firms.

As award contract recipient, Tennessee State University will visit four to six aerospace firms that contract with NASA, with immediate plans to visit the firms of Gruman, Rockwell International, McDonald Do-

glas and Martin, according to Dr. Sampson, who will review the selected firms' indirect cost management systems and focus on the Government's management and surveillance of indirect cost for those firms.

The advantages and disadvantages of the systems utilized for each Government organization will be assessed, and the comparative analysis will be performed with the goal of developing a suggested model that can be employed by the Government in performing the function.

In addition to funding for the initial survey, in issuing the close to \$33,000 to the University, it is NASA's hope that a secondary goal of this study will serve to: 1) expose faculty to realities of public administration; 2) contribute to making classroom instruction more realistic.

University

ACCENT

Tennessee State University

September 19, 1977

HOUSING CONFERENCE PLANNED

"What you can do for yourself with a little help from your friends" is the theme of the Fifth Annual Citizens Housing Conference to be held in Nashville this month. The purpose of the two-day conference is to provide technical assistance for all persons involved with housing services and for anyone seeking answers to housing problems.

The general public is urged to attend the conference which will be held at the Sheraton Hotel, Downtown September 20-21. Workshop topics will include Fair Housing Enforcement and Legislation, Rehabilitation Financing and Energy, and Community Organization and Counseling. Each participant will be able to attend all three sessions as they will be offered more than once during the conference. A fee of \$5.00 will be required for registration and lunch, and Continuing Edu-

cation Units (CEU's) will be awarded.



Senator Jim Sasser and President Frederick Humphries watch as Nashville's Mayor Richard Fulton throws out the ball in TSU's first game. The Tigers beat Middle Tennessee State University 27-0. A week later TSU defeated Jackson State 17-7.

Tennessee State University and the University of Tennessee at Nashville are sponsoring a seven-week seminar on Gerontology, which is the study of aging, August 16 thru October 4 on the TSU campus.

The seminar is specifically designed to attract Aging Area Agency Personnel, supervisors Title VII Personnel, Senior Citizens Center Staff, members of organizations and groups representing the elderly, older adults, and interested community persons.

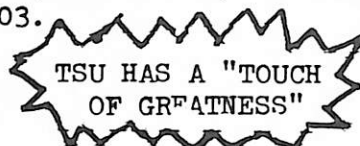
The purpose of the seminar is to provide information on older adults and the aging process with special emphasis on the biological, psychological, and social aspects of aging. Various topics will be discussed including the biology and physiology of aging, psychology of aging, sociological and economic aspects of aging, age-related programs, agencies, and groups. Dis-

cussion leaders for the seminar are Dr. James Campbell professor of biology, Tennessee State University; Robert S. Castor, Director of the Center On Aging at the University of Tennessee; Ms. Carole Watson, assistant professor of biology, University of Tennessee School of Social Work, Nashville, Tennessee.

Robert Boone, Director of Public Service, Tennessee State University is coordinating the seminar. Meetings will be held on Tuesday evenings August 16th thru October 4th, 6:15-8:50 p.m. in room 310 Women's Building, at TSU. There will be no charge for the seminar, it is funded under title IV-A of the Older Americans Act and sponsored by The Division of Extension and Continuing Education at Tennessee State University, The University of Tennessee at Nashville Center on Aging and the Tennessee Commission On Aging.

Also assisting in the project is the Center For Government Training at the

University of Tennessee. All interested persons should call or write Robert Boone, phone 320-3398, Division of Extension and Continuing Education, Tennessee State University, 3500 Centennial Blvd., Nashville, Tennessee 37203.



ORIENTATION
PRE-REGISTRATION

Four hundred and sixty nine freshmen and new students and three hundred and eighty-four parents attended the second annual Pre-Fall Orientation/Pre-registration program, according to Mildred S. Crouch, assistant director for counseling services. The evaluation of the program by students and parents was very positive. In fact, many students who pre-registered are planning to tell the students in their community to attend next summer's orientation pre-registration rather than wait until next fall 1978.

Enrollment Blanks, Applications and Aptitude & Advanced Test Booklets may be secured from the Office of Testing Center, Room 207 Education Building, Tennessee State University, Nashville, Tennessee 37203.

Veterans, enrolled students with grants, work-study and student-loans may secure a waiver of fees through the University Financial Aid Office, Room 306-Administration Bldg., Tennessee State University.

For further information you may contact the Testing Center, Room 207-Education Building, Nashville, Tennessee 37203, Phone: (615) 320-3405.

PROFILE

There's more to manure than meets the eyes and nose according to two TSU employees. Doug Shields, instructor in civil engineering and Greg Tragitt, environmental engineer are completing a two year study of making methane gas from beef cow manure.

The research is funded under a \$83,245 grant from the Cooperative States Research Services (CSRS), a division of the U.S. Department of Agriculture. It is a continuation of study done by Dr. Lil Abrons and Dr. Mike Busby. The early study was funded by CSRS and the Environmental Protection Agency.

Shields described the project as an attempt to use the problems of waste disposal and energy shortage.

"Many farms, like industries, are consolidating," he said. "Large numbers of animals are confined in small areas. Animal waste becomes

a major problem because it is a water pollution hazard, it is odorous and offensive, it attracts flies and the volume produces a mess."

Shields said human waste has been treated by the use of an anaerobic digester for about 50 years.

"The anaerobic digester takes solids and decomposes them in an air-tight environment. The by-product is methane gas, which is natural gas," he said.

Several research projects of converting animal waste to methane gas in a similar manner are being studied throughout the nation.

The TSU research differs from some others because it studies the waste of beef cows. Others use swine or dairy cows. "We are using manure from the feed lot of the Elm Hill Meat Company," Shields said. "Water is added to the manure and mixed in a long urn. The substance is pumped into a large tank. It is kept warm inside the tank by running hot water through copper coiled inside the tank. The gas is measured by a meter loaned to us from Nashville Gas Company."

The researchers add about 1/10 volume of manure each

day and take out an equal amount. The gas released is 2/3 methane and 1/3 carbon dioxide. "A farmer would need a plant about 10 times the size of ours to heat an average house," Shields said.



Doug Shields examines research tanks.

For the system to pay for itself, including the cost of the equipment, gas storage and possibly compression, the farmer would need about 150 to 200 head of beef cattle in a feed lot or close environment."

He was not optimistic about the anaerobic digester process as a solution to the energy problem, because of the vast amount of waste needed to produce sufficient methane gas. The process also does not solve the problem of waste disposal. A very small amount of waste reduction occurs in the process.

"Some researchers say the residue can be de-watered and used for feed because of the high content of protein. I have my doubts though," Shields said. One of the most prestigious projects of this nature is being done at Cornell University. "They have a larger research project and some of the biggest names in the field," Shields said, "but I think TSU is doing a respectable job."

GRADUATE EXAMINATION SCHEDULED

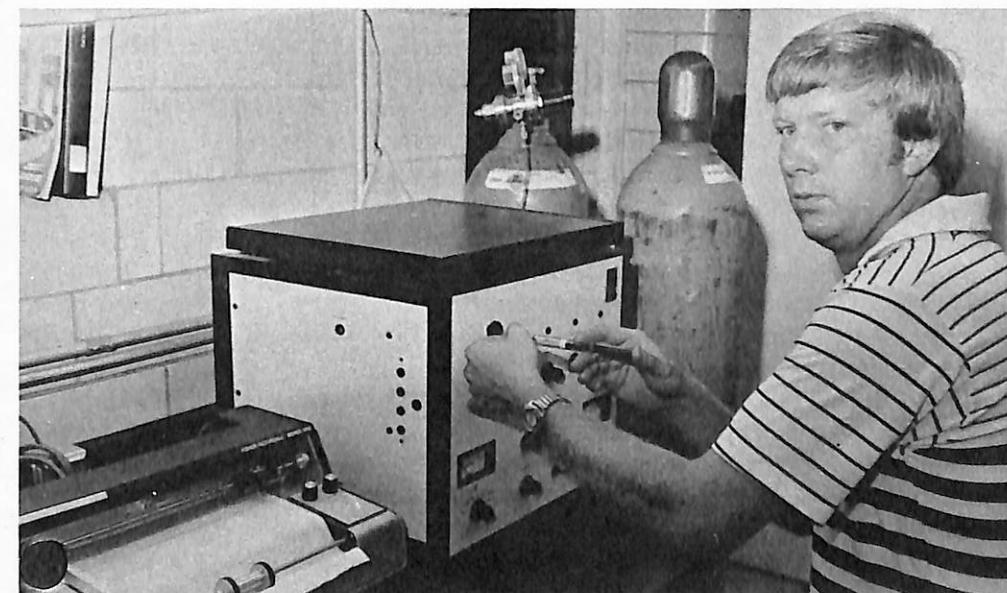
The Graduate Record Examination, Aptitude & Advanced Tests will be administered Saturday, October 22, 1977 in the Physics & Mathematics Auditorium here at Tennessee State University, 3500 Centennial Blvd., Nashville, Tennessee 37203.

All currently enrolled graduate students who have not taken the Graduate Record Examination and all previously enrolled graduate students who have not passed the Graduate Record Examination and who plan to return to the University should register to write this examination during the current enrollment period.

To register for this examination the student should bring or send a completed "GRE Enrollment Blank" and "Graduate Record Examination-Application" along with evidence of payment of appropriate fees to University Testing Center Room 207-Education Building, Tennessee State University, Nashville, Tennessee no later than October 14, 1977.

The fees for the Aptitude and Advanced Tests are \$13 each. Therefore, the cost for both tests is \$26.00.

Fees may be paid directly to the University Business Office, or may be paid at the Testing Center Office by check or money order. No cash will be accepted in the Office of Testing Center.



Project Engineer Greg Tragitt works with the gas chromatograph which is used for analyzing gas produced by the bio-gas plant.

**COUNCIL
APPROVES
ENGINEERING**

The Engineers' Council for Professional Development has granted accreditation to the four-year architectural and mechanical engineering degree programs at Tennessee State University it was learned this summer, in an announcement made by the Council.

The accreditation gives Tennessee State University four fully accredited four-year degree programs in addition to electrical and civil engineering. TSU has the only accredited degree program in architectural engineering in the state and is one of two Nashville area institutions with accredited programs in engineering. The other is Vanderbilt University.

Enthusied by the recent announcement, Dr. Edward Isibor, Dean of the School of Engineering said the accreditation will give students in engineering more confidence in TSU's program. "It will open doors for new opportunity for our students, because coming from an accredited program, students will get better jobs and more status," he said. "When ECPD puts their stamp on a program, it gives it a mark of excellence," he added.

ECPD was founded in 1932 to identify to the public, prospective students, educational institutions, professional societies, potential employees, governmental agencies and State Board of Examiners leading programs in engineering. In addition, the Council provides guidance for improvement of existing educational programs in engineering and for the development of future programs. Overall the organization seeks to stimulate the improvement of

NEWS BRIEFS

DELORSE A. LEWIS, a former counselor and Robertson County physical education teacher has been named Dean of Women at Tennessee State University in an announcement made by George Pruitt, Vice-President for Student Affairs.

Mrs. Lewis who was counselor coordinator of the tutorial program and supervisor of tutors for the Fisk University Upward Bound Program, is replacing Lucille Siebert who resigned recently.

In her role, Mrs. Lewis will be responsible for coordinating and directing the efforts of the Dean of Women's staff, counseling and advising female students and will serve as liaison officer between the University and the parents or guardians of female students.

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A STUDENT WHO attended Tennessee State University over 34 years ago, has given \$20,000 for the establishment of an Endowment Scholarship Fund.

Hazel E. Welton, a practicing Optometrist in Cleveland, Ohio has awarded the institution two \$10,000 municipal bonds that will accrue interest annually over \$1,500 which will be used to assist students who have difficulties continuing their education because of financial disadvantages.

According to Dr. Calvin O. Atchinson, Vice-President of Research, Planning and Development, Dr. Welton attended Tennessee A & I College in 1933, but he was unable to remain. However, he enrolled at Ohio State University later completing his undergraduate and professional education. He remembers his experience at TSU and he has a deep sense of appreciation of what we are trying to do to assist students financially disadvantaged, he said.

A student or students will receive the first awards during the 1977-78 school year.

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engineering in the United States.

According to Dr. Isibor the accreditation will stimulate TSU's enrollment in engineering, which now has over 450 students. "This will certainly increase our enrollment and will attract more students to TSU and it will create for us a good basis for a graduate program in engineering," Dr. Isibor said. The state Board of Regents and Tennessee Higher Education Commission are considering whether to approve a masters degree in enginee-

ring for the institution.

Civil and electrical engineering received full accreditation in 1972.

Karen F. Brown
Editor

Accent is published each Monday through the fall and spring semester for the faculty and staff at the University. Deadline for inclusion is 10 a.m. each Tuesday.

Bureau of Public Relations