

ACCENT

Faculty and Staff Publication

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TSU GIVEN MAJOR GRANTS

The University has received four grants totaling over a half million dollars for research and instruction, a University spokesman announced.

The grants include awards of \$150,000 and \$157,000 from the Department of Education and \$197,000 from the National Science Foundation (NSF). In addition, the United Negro College Fund in agreement with the General Motors Foundation, contributed \$4,500 to provide assistance to needy students.

"These grants are the culmination of a great deal of hard work on the part of the principal investigators, as well as their colleagues in the various disciplines. With more financial assistance of this type, faculty, staff, students and the entire University community benefits enormously," said Dr. John M. Mallette, associate vice president for research and development.

Under the direction of Dr. Rubye P. Torrey, professor of chemistry, the \$197,000 grant from NSF will fund a project titled "Minority Institutions Science Improvement Program/Instruction Project." The program will help to improve instruction in chemistry, mathematics and physics through development.

The program has been awarded for the next three years, and seeks to improve instruction in chemistry, mathematics and physics through development and implementation of a Television-Assisted

Instruction Scientific Studio Laboratory, preparation of instructional modules, and expansion and revision of analytical chemistry curriculum.

The Management and Technology Center Consortium for Developing Institutions grant was refunded for \$150,000 by the Department of Education. Under the Strengthening Developing Institutions Program Title III, the project will aid in sharing TSU's computer registration system with other college campuses, in addition to providing the technological training necessary for installation and operation of the system.

Dr. Willard Smith, vice-president of management service, is director of the project which involves institutions from 13 states including the private and public sectors. The grant is renewable for an additional three years.

The Department of Education also awarded the Upward Bound Program a grant of \$157,454 which will extend through June 30, 1981.

Directed by Mary Love, Upward Bound is a national pre-college program designed to motivate secondary students who have been handicapped in their studies by economic, cultural, and educational deficiencies.

The General Motors Corporation grant funds of \$4,500 will be used in setting up or expanding a cooperative program in engineering, science or business, and for providing assistance to needy students in their pre-work periods.

New Employee Plan Instituted

The State of Tennessee Department of Personnel has completed the Classification-Compensation Plan for Tennessee State University. This plan is in accord with all other schools under the State Board of Regents. It was implemented July 1.

The plan has classified clerical and non-professional supporting staff. These positions were classified as to the duties and responsibilities of the position and functions and worth to the University. Individuals were not taken into account in classifying the positions.

"With the development of this plan, I feel the University can be more competitive in the job market in recruiting and retaining qualified personnel," President Humphries said.

The employees are being notified individually about the completion and implementation of the plan. Their 1980 contracts will show their title and salary changes.

Employees whose positions are included in the plans and whose present salaries are below step one will be brought to step one and will be given a 5% increase. Those whose salaries are in range but not on step will be moved to the next step and given a 5% increase. Those employees whose salaries are above the range will receive only \$30 per month salary increase as mandated by the legislature.

However, when a position becomes vacant, the salary will revert back to step one entry level and will be advertised at that amount.

For any questions, you may call Carol Wade, 3445.

TSU Honors Head Start

President Humphries and staff of the Head Start Training office, at TSU, celebrated the 15th anniversary of Head Start, on May 8. TSU sponsored an anniversary party in Memphis to honor head start parents, staff, and guests, attending the State Head Start and Community Action Association Annual Meeting.

During the meeting, Barbara Nye, director of the Center for Training and Technical Assistance and faculty mem-

ber in the School of Education, discussed the meaning of Head Start for Tennessee families. She said that "head start is one of the few quality human rights programs. Head Start is **hope** and **success** for improving the quality of life of families in Tennessee and throughout our nation."

It is the only national, comprehensive and innovative child development pro-

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Sixty-eighth Annual Summer
Baccalaureate
Commencement Exercises
Saturday, August 9, 1980

Business Degree Can be Earned at VOL State

Beginning this fall, students majoring in business at Volunteer State Community College can earn credits towards a bachelor's degree in business administration.

Sponsored by TSU, the upper division business core courses will be offered on a semester-by-semester sequence on the VSCC campus.

"We are pleased to cooperate with Volunteer State Community College in increasing educational opportunities," said Dr. John Masten, Dean of the School of Business.

Day and evening classes scheduled for the fall include courses in Finance 330, Business Law 300, and Business Communication BE. Management 301 and Marketing 301 are proposed for the spring semester. Additional courses will be scheduled at a later date, depending on the students enrolled during the fall semester.

The minimum requirements for admission to the program this fall are 75 quarter hours (50 semester hours) which must have been completed on the 1000-2000 level and one year of principles of accounting, principles of economics and English composition. Minimum criteria will be increased in the fall of 1981.

During the senior year only, students are required to travel to the TSU campus to take the remaining 24 semester hours in their major area and the capstone course MG 459, Business Policy.

In addition, the same upper division courses offered are acceptable as prerequisites in the M.B.A. program on the Downtown Campus.

For more information contact Dr. Ed Cullum, director of VSCC University Center, on the VSCC campus. A minimum of 10 students must enroll for the classes to materialize.

Dr. Atchison Appointed Commission Chairman

Dr. Calvin O. Atchison has been appointed chairman of the Metropolitan Nashville Human Relations Commission. The Commission was organized and a staff was appointed during the sixties to assist in dealing with racial problems resulting from desegregation of schools and lunch counters. The staff and Commission continue to deal with local housing and employment problems.

Dr. Atchison's other recent appointments include: vice chairman of the Northwest YMCA, vice chairman of the project Advisory Board for the National Alliance of Black School Educators Training Assistance Center and membership on the Board of Directors for District III, Southeastern Region of the Council for the Advancement and Support of Education.

New Schedules for Monthly Time Sheets

New schedules for monthly certification forms went into effect in June. All monthly certification forms (time sheets) are due in the personnel office on the 20th of each month, by 10:00 a.m. This will allow more time in processing exceptions for the monthly payroll. Use the codes that are included on the bi-weekly time sheets. For any other questions, call Carol Wade, 3445.

Engineering Gets KOERPER Award

The School of Engineering and Technology has been awarded the Koerper Award for outstanding professionalism by the National Society of Professional Engineers (NSPE).

This award was established to recognize an engineering school that excels in its efforts to bring matters of professional importance into both the engineering curriculum as well as extra-curricular activities.

Dr. Edward Isibor, dean of the School of Engineering and Technology, said "We are very delighted to learn of our selection by the NSPE to receive the prestigious Koerper Award for outstanding commitment to engineering professionalism. This award will provide us with greater stimulation to plan adequately in meeting the challenges of the eighties in engineering education."

The criteria considered in the award process were academic policies to encourage professionalism among students and faculty, methods of bringing awareness of engineering ethics to students and contact with practicing professionals outside the University.

Formal presentation of the plaque and a \$1,000 check will take place at the NSPE 1980 Annual Convention, July 25, in Detroit, Michigan.

Applicants in competition for the

award were required to have two or more Engineering Council for Professional Development (ECPD) accredited engineering programs. TSU currently has four such programs.

TSU's engineering school is the only one of its kind in Tennessee to require the professional engineer-in-training exam before graduation.

TSU Selected for Allied Health Project

TSU is one of the 23 colleges and universities, with significant minority enrollment, selected to participate in allied health program development. The three year project, designed to enhance opportunities for minority students entering allied health programs, is sponsored by the American Association of State Colleges and Universities (AASCU).

One-hundred twenty institutions were eligible to apply for the project. Of the 23 selected, 18 are predominantly black and four are predominantly Hispanic.

The institutions were chosen on the bases of facilities, faculty resources, proximity to clinical facilities and commitment of the educational administration to allied health programs.

Allen W. Oster, president of AASCU, said "The institutions that will participate in the project have demonstrated a sincere concern for the needs of their students, their local communities, and for the general health and well-being of America's minorities."

The project is funded through the Office of Health Resources Opportunities of the U.S. Department of Health and Human Resources.

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— GIFTS —

The School of Engineering received the following: \$5,000 from Allied Chemical Foundation of Morristown, New Jersey; \$5,000 from Monsanto Company of St. Louis, Missouri; and \$1,000 from Fiber Industries of Greenville, South Carolina.

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The Chemistry Department received \$1,000 given by Fiber Industries, Inc., of Greenville, South Carolina.

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Mrs. Mirian Rivers gave \$1,000 to establish the Frederic L. Rivers Memorial Fund.



Ambassador Alex Quaison-Sackey, the Republic of Ghana, is welcomed to the campus by President Humphries during a recent visit to Nashville.

Biofeedback for Pain Relief

Sufferers from Raynaud's Disease, a painful condition in which the skin temperature in the fingers drops drastically, may someday find relief because of biofeedback research being conducted at the University.

"In this research we are trying to look at some of the basic variables which help people control involuntary responses," said Dr. Helen Barrett, associate professor of psychology. "This is basic research on how biofeedback, or making unconscious or involuntary bodily responses perceptible to the senses and subject to conscious control, works. Though it is basic, it could have a variety of applications."

Barrett and several student researchers are carrying out their research under a \$76,611 grant from the National Institute of Mental Health and the National Institutes of Health. The three-year grant totals \$223,000.

Her grant is part of an umbrella biomedical research grant awarded to TSU for carrying forward basic research and involving students in research projects. The umbrella grant also affords TSU faculty members the opportunity to do research at the same levels as their colleagues in more established institutions.

Barrett's research involves the fundamental aspects of the body's involuntary responses.

"We're looking at some of the more fundamental aspects such as individual differences and variables in the task completed," she said. "This research is in line with the recommendations of some of the leading authorities in the field, who feel that the variables which control this type of learning have not been adequately identified."

The question Barrett and her four student researchers are seeking to answer is whether people can learn, through conditioning, to control certain activities--such as heart rate, blood pressure and skin temperature--which their bodies normally carry on involuntarily.

"Basically we're trying to learn whether the same laws which control voluntary response learning such as limb movement and speech, also control involuntary responses," so that they can gradually learn to make large changes purposely."

One of the variables being tested with the use of sensitive measuring services in Barrett's laboratory is skin temperature.

"We connect volunteers to our equipment and ask them to try any way they can, to raise or lower the temperature of their skin," she said. "They could think about a cool or hot place or of a pleasant place--any way they think might work."

"We constantly measure the actual skin temperature to determine whether they can do what we ask," she continued. "One of the researchers has some people he calls temperature acrobats because they can, after a few months of training, voluntarily change their finger temperature by as much as 15 degrees."

Barrett said that, in addition to adding to the basic knowledge about biofeedback, the research may allow persons who suffer from conditions such as Raynaud's Disease to find a way to relieve painful conditions voluntarily.

"That is one possible way in which this research could be used," she said. "But the real purpose is to discover more about how biofeedback works so that we can design further studies which can find more and more accurate applications of the research. That cannot be done until we know more about how the process of biofeedback works."

TSU Honors

(Continued from Page 1)

gram, which provides services not only to children but to their families, the building blocks of our society, Nye continued. Head Start was established in 1965, as a demonstration model and today the program remains as an active means of advocacy for 8,193 children and families in Tennessee and 383,200 in the nation. Since its inception, the program has served 7,511,400 children and families.

The goals and the philosophy of human dignity demonstrated from 15 years in Head Start are shared by TSU in its mission to serve Head Start personnel and parents. The Center for Training and Technical Assistance established at TSU in September of 1979, through an HEW contract award, has provided over 2000 hours of training and technical assistance to 600 Head Start parents and staff in Tennessee.

The State Training Office Staff work with 27 Head Start Programs/Delegates who serve 8,193 children and families in 90 Tennessee counties. Training and technical assistance is provided in the areas of administration and policy, social service, health and handicap services, parent and teacher inservice training. The seven Center for T/TA staff members have covered 15,000 miles in Tennessee this year.

TSU Is Co-Hosting Education Fair

TSU and the Tennessee State Department of Education are hosting the second annual education fair, July 24-25, on the Downtown Campus. The theme for this year's fair is "Strong Links in Tennessee's Leadership Chain."

Over forty educational programs in Tennessee, which represent dynamic change and instructional improvement practices, will be presented. Workshops, demonstrations and discussion groups will be held to better acquaint participants with these programs. Dr. Larry T. McGhee, special assistant to the president of the University of Tennessee, will deliver the keynote address at the opening session.

Educators, parents and the public are invited to attend the fair. Admission is free and there will be a giveaway flea market of educational materials.

For more information call Barbara Oakley (741-7816).

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WTSU Radio 58AM Summer Programs

INFORMATION

Pause for Good News..... Daily
Healthline..... Daily
Money Talks..... Daily
Spectroscope..... Daily
What In The World Happened.. Daily
Political Update..... Weekly
Campus Calendar..... Daily
A Look at Books..... Weekly
Anthology of American Music. Weekly

NEWS

News & Weather.... 4-Times per day
Report From France..... Weekly
Bulletins as they occur.....

ENTERTAINMENT

Tempo (Records)..... Hourly
Jazz Odyssey..... MWF
Concert Hall..... Weekly
A Closer Walk..... T&TH

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RE M I N D E R

Since all departmental budgets have been consolidated, there are no separate budgets for the Downtown and Main Campuses. Purchase requisitions must be signed by the department head or the responsible unit head. Academic departments require the signature of the dean and non-academic area requisitions must be signed by the director or an equivalent.

Linda Johnson Awarded Fellowship

Linda Johnson, assistant professor in the Department of Home Economics, was awarded a \$1,000 fellowship to attend a seminar on home economics and public policy at Ohio State University, July 7 to July 18.

The seminar is focusing on three pieces of federal legislation: consumer safety, child abuse, and the Food Stamp Program. Johnson, who expertise is in foods and nutrition, is especially interested in policies and issues regarding the Food Stamp Program. It is designed to teach professional home economists how to affect public policies.

Monti Davis Drafted In First Round

TSU basketball forward Monti Davis was the 21st player selected in the recent National Basketball Association draft of collegians.

Davis was selected by the Philadelphia 76ers as their second choice in the first round of the draft.

A 6-7 forward who led the nation in rebounding his junior year, Davis was

selected as the most valuable player in the Portsmouth, Va., tournament of college seniors just after the conclusion of the regular season.

Stop Smoking Clinic Slated

The months of July, August and September have been designated for multiphasic screening examinations for all state employees. Multiphasic screening is important in detecting early health problems and preventing serious illness or disability.

TSU Appointment Day is July 21. If all available time has been reserved, a waiting list will be compiled.

Also during the month of July, a "Stop Smoking Clinic" will be held at the Downtown Campus the week of the 23-28 from 2:30 to 4:30 p.m. To participate in this clinic, all employees must call the Multiphasic Screening Clinic and Register for the sessions.

The Multiphasic Screening Clinic is a function of the Employee Health Service and is located at the Cordell Hull Building, Floor C-1, Room 135, 741-7831.

News Briefs

Dr. Surendra P. Singh, CARP, attended the sixth annual convention of the Eastern Economic Association in Montreal, Canada, May 7-10. Singh presented a paper titled "Achieving a Balance Between Population and Food: Some Recommendations and Research Needs." He also was the discussant for a paper titled "Small Farm Organization Perceptions of Research and Extension Needs."

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Dr. Prem Kahlon, CARP, was one of six scientists nationwide selected to participate in a mini workshop sponsored by the University of Utah in Salt Lake City June 9-29. The workshop was titled "Somatic Cell Genetic Using Soybean Cells in Suspension Culture."

Before going to Salt Lake City, Kahlon presented a paper on the "Interaction of Genotype and Environment of Callus Initiation and Development in Soybeans" at the 31st annual meeting of the Tissue Culture Society of America in St. Louis,

Missouri, June 1-5. He also presented a paper titled "Neoplastic Changes in Plant Callus Tissue Induced by Gamma Radiation" at the 1980 meeting of the American Association of Cancer Researchers in San Diego May 31.

Both papers were co-authored with Dr. K.N. Pandey, Kahlon's research associate, and the second paper also includes the name of Dr. Roger A. Andersen of the University of Kentucky among the authors.

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Sue Jernigan, manager of the faculty/staff Support Center, was elected vice-president of programs for the International Word Processing Association, Nashville Chapter. Her appointment became effective July 1.

The International Word Processing Association is a world-wide organization formed to implement and develop knowledge and use of word processing systems. The Music City Chapter is the only chapter in Tennessee.