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Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136
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CONTACT: Pat Broyles

ATTN: News and PSA Directors (Kill Oct. 27)

REPRESENTATIVES FROM A DOZEN NATIONAL AND INTERNATIONAL COMPANIES WILL BE PARTICIPATING IN A "CONFERENCE ON MARKETING CAPABILITIES AND OPPORTUNITIES" THURSDAY, OCTOBER 26TH, AT THE COLLEGE OF BUSINESS ADMINISTRATION AT TEXAS TECH UNIVERSITY. THE PROGRAM, BEGINNING AT 9 A.M., IS DESIGNED TO ALLOW STUDENTS AND THE PUBLIC TO BECOME AWARE OF OPPORTUNITIES AVAILABLE WITHIN THE COMPANIES REPRESENTED AS WELL AS THE BUSINESS WORLD. SOME OF THE CORPORATIONS REPRESENTED WILL BE TEXAS INSTRUMENTS, NATIONAL CASH REGISTER, MILLER BREWERIES, AND SEARS AND ROEBUCK. ALL PANEL SESSIONS WILL BE IN THE BUSINESS ADMINISTRATION BUILDING ON THE TECH CAMPUS.

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1-10-23-78

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CONTACT: Marcia Lundy

ATTN: Agricultural Editors

LUBBOCK--Cattle feeders could, in some cases, spend as much as \$48 a ton for cotton gin trash to use as feedlot roughage and still make a profit.

This is one finding in a study on economics of using gin trash as a cattle feedlot roughage, conducted by Dr. Kenneth B. Young of the agricultural economics faculty at Texas Tech University.

"Using gin trash as a roughage could help solve at least two problems," Young said. "It could reduce the feeders' dependency on more conventional roughages, such as alfalfa, corn silage and cottonseed hulls---often in short supply and expensive---and it would reduce or eliminate waste disposal problems for ginners."

Young conducted the research in the Texas High Plains area, but he said the results could probably be extended to other feedlots.

Most common roughages used in High Plains feedlots are alfalfa, corn silage and cottonseed hulls, which frequently have to be shipped into the feedlot area.

Gin trash is available at the rate of about 859,000 tons per year, or nearly 400 pounds per head for all feedlot cattle in the High Plains, assuming feedlots operate at 50 percent average capacity

-more-

gin trash/add one

and 200 percent turnover per year, Young said.

In addition to availability, gin trash has been found comparable nutritionally to more common roughages. One laboratory analysis conducted by Hi-Pro Feeds at Friona found ground gin trash had a similar energy content to alfalfa hay, although digestible nutrient content was lower. Digestible protein in gin trash was nearly half that of milo or corn, both high energy feed grains. Protein level was considerably higher than cottonseed hulls.

In his experiment Young used four different energy requirement levels for feed rations, based on cattle's increasing energy requirements from starting to finishing stages of feeding. Levels were 36, 40, 44 and 48 megacalories of net energy for gain for each one hundred pounds of ration.

In one comparison the ration without gin trash contained 18 to 0 percent cottonseed hulls, the numbers representing starting to finishing percentages; 0 to 5 percent commercial supplement; no molasses and 7 to 21 percent alfalfa.

In the gin trash ration 40 percent ground gin trash and 11 to 16 percent molasses were substituted for hulls and alfalfa. Grain sorghum content without gin trash was 58 to 85 percent, but with gin trash was 18 to 39 percent. Meal and fat contents were 0 to 3 and 0 to 1 percent, respectively, without gin trash, and 5 to 9 and 0 to 14 percent, respectively, with gin trash. The additional meal and fat were required for the finishing rations which had higher energy level requirements.

gin trash/add two

Prices per hundredweight for ingredients in this ration were \$1.60 for cottonseed hulls, \$4 for molasses, \$5.62 for supplement, \$8 for cottonseed meal, \$4 for grain sorghum, \$9.20 for fat and \$3 for alfalfa. Gin trash was priced at \$2.24 or less per hundredweight.

At these price levels Young found that producers could afford to pay up to \$44.80 per ton for gin trash before it became too expensive.

With varying price levels the results indicated that gin trash value was highly sensitive to prices of cottonseed hulls and alfalfa, which gin trash replaced as a roughage. Estimated values of ground gin trash in the study ranged from \$14.80 to \$48.80 per ton.

Young concluded from his study that replacing more expensive roughages with gin trash in Texas High Plains cattle feedlots would be economically feasible, but further feeding trials are needed to add support to these findings.

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CONTACT: Dan Tarpley

LUBBOCK--Texas Tech University received more than \$11.5 million in research money during the academic year just ended, an increase of more than 50 percent over the preceding year and a record high.

A total of 242 projects was funded last year, as compared with 202 the preceding year, according to Dr. J. Knox Jones, Jr., vice president for Research and Graduate Studies. Texas Tech faculty and staff members submitted 355 applications for research projects in 1977-78.

Dr. George F. Meenaghan, associate vice president for Research, said, "We are maturing as a research institution, especially in the energy area. Instead of crumbs, we have begun to get some of the slices.

"Almost \$5 million of the research funds went to the College of Engineering, which is devoting much of its research to energy," Meenaghan said.

"Our research faculty is almost saturated right now," the associate vice president said. "That means that most of the faculty members who want to do research are doing it."

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research grants/add one

New areas in which sizable grants have been awarded Texas Tech are in mental retardation studies and training, aging, water resources, and children and young men and women with learning disabilities and handicaps.

The Research and Training Center in Mental Retardation under the directorship of Dr. Gerard J. Bensberg received more than \$1 million in research funds last year, and the College of Home Economics received almost \$2 million, much of it in the Head Start program directed by Dr. Mary Tom Riley.

Meenaghan also credited the Office of Research Services with increasing the flow of funds into the university.

"We are promoting the services the office provides, our contacts with funding sources are better and we are writing better proposals. We have matured in many areas and our efforts are paying off."

Meenaghan said that about half the sponsored research money goes into salaries for faculty, staff and students conducting research. About 15 percent goes into equipment and 35 percent into operations.

"This \$11.5 million total has a definite impact on the economy of Lubbock and the entire region because most of it is spent in this immediate area. Results of the research have an even wider impact."

Jones listed grant and total funding awarded in the 1977-78 academic year by colleges as: Agricultural Sciences, 49 for \$680,264; Arts and Sciences, 84 for \$1,948,954; Business Administration, 4 for \$48,524; Education, 3 for \$220,564; Engineering, 53 for \$4,906,655; Home Economics, 26 for \$1,858,479; Law, 1 for \$8,987; Museum, 5 for \$61,704; Research and Training Center, 5 for \$1,095,750; Textile Research Center, 1 for \$193,013; and other, 11 for \$483,900.

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CONTACT: Paula Lowe

LUBBOCK--Katrina A. Jarman, daughter of Mr. and Mrs. E. R. Jarman of 2522 62nd, Lubbock, has assumed presidency of Texas Tech's 1978-79 Mortar Board Chapter.

The national organization, a senior coed honorary, has a 35 membership maximum. Members are selected on the basis of leadership, scholarship and service and must have at least a 3.0 grade point average and 96 hours by the fall semester of their graduating year. Jarman said members were chosen from 120 applicants.

A youth agency administration-general studies major, Jarman designed her own degree plan. Since it was not feasible for her to attend a university which offered the major she wanted, Jarman remained at Texas Tech and patterned a major after those programs offered at other universities. She is interested in youth agency work particularly with Camp Fire Girls or YWCA.

Objectives for all Mortar Board chapters are reviewed and set once every three years at a national convention. For the past two years objectives have been to advance the status of women and women's athletics, improve relations with local alumni chapters and continue to stress leadership, scholarship and service.

Preparation for Mortar Board's annual Faculty Recognition

mortar board/add one

Week, Nov. 13-17, are underway, Jarmon said. Any student or organization may nominate professors. Five will be chosen for recognition each day of the week. A Friday afternoon reception will be given for the distinguished professors.

The fall fund-raising project, a tasting tea, is scheduled for Dec. 3. A "Taste of Christmas" is the theme. Admission cost is \$1 for those who want to learn quick food and decoration ideas for Christmas parties.

She pointed out that having a complete membership turnover every year creates special problems for the organization. "The three club sponsors provide continuity for the honorary," Jarman said.

She is a volunteer on the Camp Fire Girl's Council and sits on the organization's board of directors meetings. She has been associated with Camp Fire Girls since elementary school. Having learned the art of deaf sign language, Jarman teaches a Sunday School class for deaf young adults and interprets part time for the Texas Rehabilitation Commission. She was a Junior Council member last year.

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CONTACT: Pat Broyles

ATTN: News Editors

LUBBOCK--"Law Day," a program designed for anyone interested in attending law school, will be Saturday, Oct. 28, 8:30 a.m.-4:30 p.m., at the Texas Tech University School of Law.

Future students and their spouses attending the seminars will be given information about the special problems and demands they will encounter as law students. Separate seminars will deal with problems for and questions from minority students, married students and spouses, working students and students with children. Participants will prepare for a mock class and see a mock trial and moot court demonstration.

Law Day is sponsored by the Texas Tech Law Caucus and Phi Delta Phi, law fraternity. There will be a \$1 charge for potential students to attend the seminar with spouses attending free. Advance registration can be made by calling the Law School at 742-3791.

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CONTACT: Heinrich H. Steiner

LUBBOCK--Migration of businesses and population into the "Sunbelt" is a contemporary phenomenon, bringing expansion, wealth and development to many areas and cities in the Southwest. Lubbock participates fully in this trend.

In a speech delivered to new faculty members, Dr. Carl H. Stem, dean of the College of Business Administration at Texas Tech University, alluded to the specific challenges and circumstances which go hand in hand with an increasing pace of social and economic activities.

Lubbock is in the particular situation of being selected as a major research and development base by Texas Instruments, Inc., multinational electronics corporation.

A recent article in "Business Week" magazine about this company indicated that Lubbock may well become the consumer electronics capital of the world, looking at Texas Instruments' expansion.

Stem believes that among the many attractive features the city offers, Texas Tech is an important factor. He pointed out that the College of Business Administration has a special responsibility in providing and developing human resources necessary to maintain progress.

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growing lubbock/add one

"The quality of our society--the level of our standard of living and the degree of our competitiveness in the business area relative to other nations--will be no better than the quality of the human resources on which our society draws," he said. "The quality of the human resources available to our society in the future will depend largely on how effective we and our colleagues in universities throughout the United States are in developing the intellectual abilities, the analytical skills, and the decision-making ability of the young people in our institutions today."

Stem reminded his audience that in executing this task, university educators must always be sensitive to the fact that "they are impacting on the students at a very impressionable stage of their lives." He called for an optimal synthesis of pedagogic and professional skills in the teaching at institutions of higher learning and referred to efforts his college is constantly making to achieve this goal.

Stem sees the College of Business Administration as a professional school which should develop a significant interface between itself and the world of business and public sector administration.

In reference to the activities at Texas Tech he said, "we are working to develop intern programs with businesses; and, although these will involve only a small number of students, they enable us to provide exceptional real world experiences for some of our outstanding students."

An internship agreement with Texas Instruments has been providing practical experience and training for about 30 students

growing lubbock/add two

this year.

While this program has been successful, the college is exploring similar possibilities with other companies in Lubbock and elsewhere in the state.

One of Stem's major concerns is the balance between quality and quantity in business programs. Many universities, including Texas Tech, are faced by a strong shift toward business-oriented degree plans of students, but have only limited facilities to handle the swollen demand.

He explained that Texas Tech, unlike some sister institutions "who have fallen victim of a shift of student population apparently beyond their control," has made administrative provisions to master the new situation.

These provisions, mainly selective admissions and efficiency of faculty, have helped to build a reputation for the college, according to Stem. "The strong demand from business and public sector institutions for the graduates of our business program creates an optimism among our student body which makes a fine contribution to the general 'up beat' atmosphere in the college."

cutline-----

NEW CAREERS--Three Texas Tech University graduate students who are enrolled in a "Career Expansion Through Chemical Engineering" program are, left to right, E. Gregg Collier, mathematician and chemist from Friona; Edgar A. Lee, chemist, from Santiago, Chile, and Caracas; and Ronny Brumfield, animal scientist, chemist and geologist from Portales, N.M. Collier is installing a high volume dust sampler to measure dust levels during dust storms. The research relates dust concentrations and particle size to the survivability of solar energy collectors. (Tech Photo)

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Collier is the son of Mr. and Mrs. G. A. Collier, Rt. 3, Friona.

Lee is the son of Edgar H. Lee, Guatemala City, Guatemala.

Brumfield is the son of Mr. and Mrs. John Brumfield, Rt. 1, Portales.

cutline-----

NEW CAREER--Jim Hightower, left, who began school in pre-med courses and finished in chemistry, is ready for hands-on research learning in chemical engineering. He is enrolled in a new Texas Tech University program, "Career Expansion Through Chemical Engineering," allowing him to earn the master's degree in 21 to 24 months. Assisting him with a biomass reactor to produce synthetic gas from feedlot waste is, center, Prof. Steven R. Beck and graduate student Maw-John Wang, who earned his undergraduate degree in chemical engineering and now shares classes with Hightower. Hightower's mother is Mrs. Lucille Hightower, 2810 Maxwell, Midland.

(Tech Photo)

cutline-----

NEW CAREER--Steven T. Ostheim, left, of Latrobe and Johnstown, Pa., will receive his master's degree in chemical engineering from Texas Tech University in December. It took him 21 months to complete the degree requirements even though his undergraduate degree was in chemistry instead of chemical engineering. Ostheim demonstrates production techniques for twistless yarn for a beginner in the unusual master's degree program, Che Liu of Hong Kong. Ostheim holds a bachelor's degree in chemistry, taught at Saint Vincent College, Latrobe, Pa., and will start his new job as an engineer at Texas Eastman, Longview, Texas, this fall. His parents are Mr. and Mrs. John W. Ostheim, 508 McMillen St., Johnstown, Pa. Liu's parents are Mr. and Mrs. Kam-Tai Lieu, 70 Kwong Fook Rd., G-F, Tai Po Market, W. T. Hong Kong N. (Tech Photo)

cutline-----

NEW CAREER--Wayne Janes, left, a theologist earning his master's degree in chemical engineering at Texas Tech University, learns from a second year graduate student, John House, some techniques of enhanced oil recovery research. Both are enrolled in an unusual "Career Expansion Through Chemical Engineering" program at Texas Tech. In the program persons holding a bachelor's degree in any field can earn a master's degree in chemical engineering in 21 to 24 months. House, a chemist, is the son of Neil House, 903 Clint Smith, Duncanville, Texas. Janes is the son of Mr. and Mrs. Earl Janes, 1211 Dalhart St., Wellington. He farmed and "poured concrete" for 18 months before entering graduate school.

(Tech Photo)

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CONTACT: B. Zeeck

ATTN: Fine Arts Editors

LUBBOCK--Henri Matisse, one of the most influential of 20th century French artists, will be the subject of the weekly art seminar at 10 a.m., Tuesday, Oct. 31, in The Museum of Texas Tech University.

Rabbi Alexander Kline is lecturer for the Art Seminars sponsored by the Women's Council of the West Texas Museum Association.

The first artistic revolution of the century, fauvism, centered around the dominating personality of Matisse. Although short-lived itself, the movement achieved distinction with its formal distortion, flat patterning and robust colors. While the movement was followed by the more influential cubism, Matisse carried out the true goal of fauvism in the significance he gave to color.

He was noted for choosing vibrant colors with subtlety. His color combinations were bold. He sacrificed all that was not strictly necessary to the picture by outlining those masses which needed emphasis and rejecting the accidental. He simplified and imposed order, but all was meticulously worked out with technique, knowledge and careful calculation.

Among his masterpieces are "The Blue Nude" of 1907 and

henri matisse/add one

"The Pink Nude" of 1934; "Piano Lesson," 1916; "Decorative Figure on an Ornamental Background," 1927; and "Large Red Interior," 1948. Born in 1869, Matisse died in 1954.

Any who want to participate in the seminars may make arrangements by calling 742-2443 in Lubbock.

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CONTACT: Paula Lowe

LUBBOCK--What Dr. Ruth Novelli misses most in West Texas are beaches. That's because she comes from Uruguay, a South American country with expanses of beautiful beaches.

Novelli has traveled to Lubbock to study mineral nutrition at Texas Tech University. Her long-range objective is to determine mineral deficiencies in Uruguayan cattle and sheep.

Assistant professor of veterinary medicine at the University of Uruguay in Montevideo, Novelli is on a year's leave of absence to conduct mineral research at the new Food and Nutrition Laboratory of Texas Tech's College of Home Economics. Her work will require setting up a laboratory, establishing methodology and analyzing various elements.

Her research was instigated by the fact that Uruguayan cattle and sheep remain abnormally thin despite good grazing land, sufficient vitamin supply and a strong genetic line. Dr. Leon L. Hopkins, chairperson of Tech's Food and Nutrition Department and one of the agriculture scientists who have been consulted about the problem, suggested sending two university professors abroad for further training in mineral nutrition. Novelli was chosen for Tech and her colleague was sent to France for study.

Novelli will begin her work here in January. Along with

uruguay/add one

mineral nutrition research she will study chemistry and radioisotopes. Having never been to the United States, Novelli arrived a few months early to acquaint herself with the American lifestyle.

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CONTACT: Marcia Lundy

LUBBOCK--About 300 ghoulish, leering, grinning faces are expected to show for the fourth annual Great Pumpkin Contest at Texas Tech University.

Carved pumpkin entries from students in landscape architecture, interior design and architecture will be judged at 3:30 p.m., Monday (Oct. 30), in the historic, original Aggie Pavilion on campus. Visitors, young and old, are invited to view the jack-o'-lanterns Monday until 10 p.m. and Tuesday until 3 p.m.

According to contest coordinator Neal Rassman, assistant professor of landscape architecture, categories include celebrity caricature, horror, traditional and theme. For the first time there will be a \$15 first prize.

Judges for this year's contest will be Mrs. Cecil Mackey, assistant city manager Jim Blagg, Republican congressional candidate George Bush, and Tech University policewoman Trudy Stevens.

"The contest is for fun, but it is also a test of the students' designing and implementing abilities," Rassman said. "This allows them to take all the theory they have learned and translate it into a final, finished project. It requires a great deal of creativity and imagination to win over 300 other entries."

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great pumpkin contest/add one

Any member of the Cucurbitaceae family, to which the pumpkin belongs, may be used for the design. Accessories, such as hats or glasses, may be used, but the entries cannot rely on extra items to strengthen a weak design. Entries may have a self-contained light source.

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CONTACT: B. Zeeck

LUBBOCK--Alex B. Lacy, president of Sangamon State University, Springfield, Ill., will address members and guests of the West Texas Museum Association at the WTMA's 49th annual dinner meeting at 7 p.m., Monday (Oct. 30) in The Museum of Texas Tech University.

Officers will be elected for the coming year. Charles Verner is to be nominated as president, with other nominees including Coffee Conner, vice president, Mrs. Russell Bean, secretary, and Fred Timberlake, treasurer.

Dr. Lacy, former director of the Division of Public Programs for the National Endowment of the Humanities (NEH), this fall became president of Sangamon State. Texas Tech President Cecil Mackey will introduce the speaker, whose topic is "What Is Ahead for Museums."

Highlight of the evening will be presentation of three Action Awards. These are traditionally presented by the WTMA to individuals who have made outstanding contributions to the cultural life of the southern High Plains. Names of recipients are not announced until the time of presentation.

Making brief reports will be WTMA President B. C. McMinn, Museum Director Leslie C. Drew and WTMA Women's Council president Mrs. F. P. Otken.

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The nominating committee is expected to present four names for executive committee positions to expire Dec. 31, 1980. They are Rex Fuller, Charles Pope, Mrs. John Lott and Rodney Joy. Mrs. John Graw, the 1979 president of the Women's Council, will also serve on that committee during her term of office.

Trustees to be nominated include: Roy Bass, 1979; Mrs. John Lott, 1980; and to terms expiring Dec. 31, 1982, Mrs. Russell Bean, Mrs. W. B. Blankenship, Mrs. Durwood Bradley, Ray Diekemper Jr., Dr. O. Brandon Hull, Dorman Igo, Arch Lamb, W. G. McMillan Jr., Robert J. Moosy, L. Edwin Smith, Ann Snyder, J. T. Talkington and Mrs. Harris Underwood.

Having visited here previously Lacy is well acquainted with Lubbock and The Museum of Texas Tech University. He has had a special interest in the university-community relationship as expressed in The Museum's endeavors and a particular interest in development of the Ranching Heritage Center.

He served with the NEH for four years, 1974-78. From 1968-74 he was dean of the School of Urban Life and professor of political science at Georgia State University. He also has been on the faculties of the University of Virginia and Tulane University.

Within recent years he has worked with the Advisory Commission for Historic Preservation, the U.S. Committee for the Exhibition of the Archeological Finds of the People's Republic of China and on the Inter-Agency Committee for the Arts.

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CONTACT: Paula Lowe

LUBBOCK--Student Foundation will sponsor a "Warm-Up for the Slopes," all-university mixer Friday, (Nov. 3) 3-6 p.m., at Cold Water Country, Loop 289 and University. The mixer also will serve as Texas Tech's homecoming mixer.

A prize of a ski trip for two to Red River, N.M., will be awarded. It will include free hotel accommodations, meals, lift tickets and ski equipment for two days.

Refreshments, ski films and the latest in ski fashions will be featured. There is a \$3 cover charge.

The event is the first Student Foundation fund-raising project of the academic year. Profits will be used by the university and the Student Foundation for academic recruiting, alumni relations, freshman orientation and scholarships.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Nov. 4)

GET READY FOR THE SKI SEASON WITH A "WARM UP FOR THE SLOPES" PARTY, SPONSORED BY THE TEXAS TECH UNIVERSITY STUDENT FOUNDATION. MODELS WILL BE DISPLAYING THE LATEST IN FASHIONS FOR TACKLING THE STEEPEST DOWNHILL RUN OR JUST LOUNGING AROUND THE LODGE. PRIZES INCLUDE FREE LIFT TICKETS AND A SKI VACATION FOR TWO TO RED RIVER. SO COME BY COLD WATER COUNTRY, FRIDAY, NOVEMBER 3RD, 3 TO 6 P.M. AND ENJOY THE SKI FILMS AND GET READY FOR THE SLOPES IN FASHION.

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CONTACT: Dan Tarpley

LUBBOCK--The Texas Tech Ex-Students Association today designated four university employees to receive "Top Techsan Staff Awards" for 1978.

They are Betty J. Bingham, accounting clerk in Payroll responsible for benefit programs; Jean Finley, business manager for Student Publications; Dan Tarpley, manager of the News Bureau, office of University News and Publication; and Gracie Wossum, band and music secretary in the Music Department.

Ex-Students Association President Wick Alexander of Arlington will make the presentations at an association council luncheon at noon Friday (Nov. 3) in the Coronado Room of the University Center. Dr. William F. (Bill) Dean, executive director of the association, will preside and Tech President Cecil Mackey will participate in the program.

To be eligible to receive the Top Techsan recognition, a person must be a non-teaching, untenured full-time employee with a minimum of 10 years at Texas Tech. Nominees must have displayed "loyalty to the institution and quality of service to students, faculty, the University community and city community and possess high integrity and good moral character."

Recipients are chosen by an anonymous committee of

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top techsans/add one

faculty, staff and ex-students. The awards are presented annually during Homecoming Week.

Bingham has been employed at the University 18 years, all of it in the Payroll Department. She is responsible for payment of all fringe programs for Texas Tech and School of Medicine active personnel and retired members of the faculty and staff. Last year she was elected to serve on the state committee for Senate Bill 95 regarding fringe benefits for higher education in the State of Texas.

Finley has been business manager for Student Publications since 1975. She began her work at Texas Tech in 1961 as secretary for Student Publications, serving as administrative assistant from 1967 until 1975 when she became business manager.

Tarpley assumed management of the News Bureau in 1968. Prior to that he was part owner-manager of a radio station in Canyon six years. Before moving from Lubbock to Canyon in 1961 he served in editorial and news departments of the Lubbock Avalanche-Journal, KSEL Radio and KFYO Radio.

Wossum, a 23-year employee of the university, began as a typist in the Cataloging Department of the Library. Since 1962 she has been a secretary in the Music Department. Her work is primarily with the marching band which, she said, carries a dividend for her of traveling with the marching band to out-of-town football games. She has not missed an out-of-town game where the band has performed since becoming secretary to M. Dean Killion, director of bands, in 1962.

This is the sixth year of the presentation of the Top Techsan

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CONTACT: Jane H. Brandenberger

FOR IMMEDIATE RELEASE

Approximately 23% of the \$46,900 goal remains to be raised in the 1978 Texas Tech United Way Campaign.

Chairman Cecil Mackey announced today that 76.86%, or \$26,103.70, has been collected or pledged. The campaign ends today. However, Tech gifts will be accepted through this week, he added.

Six groups have soared beyond the 100% mark of their target goals, vice chairman Robert H. Ewalt reported. These include Education (152%); Engineering (121%); Home Economics (104%); Law School (116%); Graduate School, Museum, Continuing Education, ICASALS and Research Services (140%); and General Administration (112%).

Still striving toward their goals are Agricultural Sciences (now at 78%), Arts & Sciences (75%), Library (54%), Physical Plant/Grounds (36%), Auxiliary & Student Services (41%) and Medical School (54%).

"I have high hopes that within the next few days this university complex will prove its vital interest in the community

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and the services rendered by the United Way agencies," Ewalt said. "Certainly the Tech students, who have not yet had the opportunity to report, always bring a healthy gift to this effort."