





# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zöeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5598

CONTACT: Gail Molsbee

LUBBOCK--The world's largest association of professional geologists, the American Association of Petroleum Geologists, named Texas Tech University geology Prof. David K. Davies recipient of the A. I. Levorsen Memorial Award.

Dr. Davies, chairperson of the Department of Geosciences, received the award at a recent meeting in New Orleans. It is awarded annually to the scientist who, in the opinion of the association, has demonstrated original and creative thinking in the area of petroleum geology.

Davies also received the "best paper" award from the Gulf Coast Association of Geological Societies. It was given in recognition of a paper read before the society at its annual meeting last year.

The research which led to Davies' selection for the Levorsen award concerns improvement in oil and gas production from sandstone reservoirs. The process involves microscopic and chemical analysis of rocks which contain hydrocarbons and includes reservoirs in the United States, Canada and Central America.

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CONTACT: B. Zeeck

ATTN: Agriculture Editors

AMARILLO--Approximately 850 cattle were on test for seven feeding research experiments in October at renovated facilities of the Texas Tech University Center at Amarillo.

In addition, the center has 35 brood cows with 15 calves of weaning age in the center's breeding herd. Twenty of the cows are expected to calve next spring.

Director of the center is Dr. William L. Mies. Associated with him in research at the facility is Dr. Lloyd B. Sherrod, nutritionist, and research associate Cynthia Summers. Mies and Sherrod are members of the animal science faculty at Texas Tech University.

The \$240,000 renovation has reduced turn-around time from 20 to two or three minutes for loading feed trucks at the feed mill. It has increased to 40 the number of different rations which can be formulated per day.

The renovation also has doubled the research capacity with 48 new holding pens for cattle, making the Amarillo center one of the largest research feedlots in the nation.

The new pens are different from traditional feedlot pens. They are made of pre-manufactured paneling instead of welded

ttu amarillo center/add one

pipe. Panels made for gathering pens in pastures were redesigned with extra long posts and then used to construct modular pens.

One result is that the pens can be opened and all 48 cleaned at one time, a practice not possible with the customary pens of welded steel pipe. In addition, each pen can be subdivided for separation of animals, and there is some salvage value should this become important, Mies said.

Four men installed the 48 pens, received and penned the cattle within a 30-day period. No professional welders were needed. The principal tool was a hydraulic post driver on the back of a tractor.

Besides improvements in the feed mill and cattle holding facilities, improvements were made in the Killgore Beef Cattle Center building, including equipment that improves laboratory efficiency.

Mies described the Amarillo research efforts as extensions of studies possible at Texas Tech's Lubbock County field laboratory near New Deal. The New Deal facility is particularly suited to finite testing while the larger field studies can be done at Amarillo.

"Before research findings are applied to commercial feedlot numbers, we can extend the research here and confirm New Deal findings with great accuracy, using large numbers of cattle under conditions which simulate commercial lots."

The Texas Cattle Feeders Association, Mies said, has been particularly supportive of work done at the Amarillo Center, and usually the association has 200 animals on test.

ttu amarillo center/add two

The Amarillo center works cooperatively with Texas A&M University and U.S. Department of Agriculture researchers at the Bushland Experiment Station west of Amarillo.

"We try to complement each other's facilities and research specialties. It works out very well," Mies said.

Also cooperating in the research projects have been area meat packing houses where Texas Tech center cattle are slaughtered. At the center each animal is individually identified and data recorded for that specific animal. The same individual records are maintained through carcass processing.

Research work under way at the center is supported not only by the Texas Cattle Feeders Association but also by the Elanco Products Company, Merck & Company, Hoffman-LaRoche, Inc., Kemin Industries, Inc., and American Cyanamid Company. Mies said research projects are booked through September 1979.

Studies involve the testing of pharmaceutical products to promote growth and feed efficiency and to prevent or treat health disorders in cattle; and to test the value of gin trash as a feed ingredient; to improve the utilization of grain sorghum stubble feed by cattle; and to evaluate a variety of factors--- processes, types and varieties---related to grain sorghum feeding of livestock.

Mies said there is widespread interest in operations of the Texas Tech Center at Amarillo. His comment was borne out by a glance at the most recent page of the center's guest book. Visitors had come from Texas, Kansas, Indiana, Iowa, Pennsylvania, England and the Republic of South Africa.

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CONTACT: B. Zeeck

LUBBOCK--The Lubbock Chapter of the Texas Tech University Mass Communications Alumni will be host for a reception honoring returning graduates during homecoming Nov. 4.

Chapter President Jerry Henderson said the reception will take place from 9:30 to 11:30 a.m. in room 223 of the Mass Communications Building on campus. An election of officers will take place during the reception.

The Dallas-Fort Worth alumni will hold their election Nov. 10.

In Houston Tricia Heinrich of First City Bancorporation has been elected chapter president. Officers elected (Oct. 20) to serve with her are: Ray White, LeFerre & Associates, Inc., executive vice president; Cliff Clements, Greenspoint Mall, vice president; Jean Mohr, the Houston Chronicle, secretary; and Andy Day of Glenn Bozell & Jacobs, treasurer.

Dr. Billy I. Ross who heads the Texas Tech Department of Mass Communications and Prof. Ralph Sellmeyer who heads the department's advertising division attended the Houston meeting. Also present was Dr. Bill Dean, executive director of the Texas Tech Ex-Students Association and a member of the mass communications faculty.

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PLEASE HOLD FOR RELEASE AFTER 8 P.M., MONDAY, OCTOBER 30

LUBBOCK--The West Texas Museum Association Monday honored three persons---Retha R. Martin, F. William "Bill" Holder and (cq) the late Loyd Lanotte---for outstanding contributions to the cultural life of the southern High Plains.

Each was honored with the WTMA Action Award presented at the 49th annual association meeting in The Museum of Texas Tech University. Receiving the Lanotte award was Mrs. Lanotte and the couple's son, Nick.

Dr. Grover E. Murray, former president of Texas Tech University and now a University Professor of geosciences at Texas Tech, told the dinner guests that the building in which they met "stands as a memorial" to Lanotte's efforts and dedication.

In 1967 Lanotte organized and helped implement and accomplish a \$3.5 million fund drive to build The Museum for an institution of "regional, national and international appeal."

Born in Post, in 1916, Lanotte worked his way through Texas Tech and in 1939 became Colorado manager for Dalby Motor Freight Lines with his headquarters in Denver. Lanotte returned to Lubbock in 1953 when Dalby became T.I.M.E. Freight, Inc. He was executive vice president until assuming the presidency in 1957. In 1970 he left that company and was chairman of the board of Brazos, Inc., when he died last June 4.

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Lanotte, in addition to a continuing interest in Tech's Museum, had been president of the Red Raider Club, an officer of the Chamber of Commerce, president of the Lubbock United Way and president and director of the Texas Tech Foundation.

Holder, unaware that he also was to receive an award, spoke on behalf of Martin's contributions. Martin, now a resident of Fort Worth and chairman of the board of Narmin, Inc., a 22-store chain, was a 34-year resident of Lubbock. He was a member of the Texas Tech Board of Regents from 1965 to 1971 and chairman the last three years.

He is past president of the Texas Tech Foundation, West Texas Museum Association and the Lubbock Club, past chairman of the Lubbock Chamber of Commerce Industrial Committee, and Board of the Cerebral Palsy and Neuro-Muscular Center and the Lubbock Boys Clubs. He served as treasurer of Methodist Hospital and as elder of the First Presbyterian Church.

He helped found the Lubbock Symphony and the WTMA annual development drive. He has contributed generously to The Museum's art collection.

In presenting Holder's award, WTMA secretary Pauline Bean mentioned his membership on the Lubbock Cultural Affairs Council since its inception and 1976-77 service as president; his membership on the board of the Texas Assembly of the Arts Council, the Lubbock Garden and Arts Center and the Lubbock Art Association. He also is chairman of the Civic Center Art Committee.

Holder, who heads Hurlbut and Holder real estate company, is a three-term past president of the WTMA and now chairs the

wtma/hold for release/add two

Clifford B. Jones Trust Advisory Committee. He previously was chairman of the WTMA Acquisition Committee, has several times been a member of the WTMA Executive Committee and is a charter member of the Ranching Heritage Association. He has been a member of the Texas Tech Foundation since 1971 and served three years on its executive committee.

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CONTACT: Becky Patterson

LUBBOCK--Works by Texas Tech University Art Department faculty members will be on display during November at South Plains Junior College, Levelland, and Mississippi University for Women in Columbus.

The South Plains exhibition includes works in three-dimensional media including weaving, jewelry, ceramics, metal, fiber and enameling.

Exhibitors at South Plains include Verne Funk, Sara Waters, Donna Read, Francis Stephen, Frank R. Cheatham, Candice Groot, Seth Seiderman, Bill Lockhart and Charlotte Funk.

Viewers in Mississippi will see "Works on Paper," an exhibition of 33 examples of lithography, silkscreen, pen drawing, watercolor, gum bichromate and photography.

Exhibitors include Hugh J. Gibbons, James D. Howze, Paul D. Hanna, Lynwood Krenech, Terry Morrow, Ken R. Dixon, Jeanette Cole, Frank R. Cheatham, Jose Martinez, John Hillier, James W. Hanna and art department chairperson James A. Broderick.

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CONTACT: Gail Molsbee

LUBBOCK--Dances, yard decorations, a parade and coronation of a campus queen are all part of Texas Tech University's festivities during the Homecoming weekend of Nov. 3-4.

Students, organizations and alumni will be involved in the Homecoming activities, carrying out the theme "Reflections of Yesterday--Visions of Tomorrow."

The Southwest Conference Circle will be the site of a bonfire and pep rally, Nov. 2. Cheerleaders, Texas Tech band and Saddle Tramps will lead students at the rally and other weekend events.

During the afternoon of Nov. 3, three faculty and staff members will judge Greek lawn decorations. Judging will be based on positive spirit, originality and theme.

The Spirit Coordinating Committee will sponsor a snake dance at 7:30 p.m. at the Southwest Conference Circle. Dress for the dance will be in keeping with the homecoming theme.

An all-university mixer, highlighted by modeling of ski wear from Lubbock firms, will be at Cold Water Country, from 3-6 p.m.

Alumni activities include receptions, a dance and business meetings. Receptions will recognize the classes of 1953 and 1958. The dance is scheduled for the Hilton Inn Ballroom, Nov. 3, at

homecoming/add one

9 p.m. Admission is \$5 a couple.

Preceding the 2 p.m. kick-off of the Texas Tech-Baylor football game, Nov. 4, a homecoming parade will travel from Ave. H west on Broadway to the campus. It begins at 10 a.m. Floats will be displayed in the Administration parking lot.

Lubbock organizations and clubs, campus organizations and local dignitaries will participate. Cheerleaders, Texas Tech band, and Whiteface, Smyer and Spring Lake-Earth High School bands also will be in the procession.

Dignitaries will include Texas Tech's masked rider, Lee Puckett of San Angelo, South Plains Maid of Cotton, Jan Law of Lubbock, and Miss Texas Tech, Erin Erskine of Dallas.

Pre-game activities will begin at 1:30 p.m. They will include trophy presentations of float and Greek year decoration winners. Homecoming queen will also be announced.

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CONTACT: Heinrich H. Steiner

LUBBOCK--Texas Tech University through its Division of Continuing Education has joined with the Texas Association for Community Service and Continuing Education (TACSCE) in observance of "Lifelong Learning Week," Oct. 30-Nov. 4.

The week has been proclaimed by Governor Dolph Briscoe for informing the public about the multitude of educational activities and facilities available in Texas for persons seeking improvement of education without enrolling in a specific degree program.

During the TACSCE sponsored event Tech's Division of Continuing Education will emphasize via intensified publicity its correspondence and independent studies, off-campus extension classes, non-credit classes and conference, seminars and workshops.

The division is also involved in the West Texas Regional Alcoholism Training Project and makes contributions to the Center on Aging and KTXT-TV, Lubbock, a Public Broadcasting Service affiliate.

According to Kari D. Gordon, supervisor of correspondence study, older persons are becoming increasingly a part of the higher education scene.

"Sex, age, handicapping conditions, social or ethnic

lifelong learning week/add one

backgrounds and even limited financial conditions are no longer barriers to education," she said.

More information may be obtained by calling Gordon at 742-2352 or writing to Texas Tech University, Division of Continuing Education, Box 4110, Lubbock, Texas 79409.

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CONTACT: B. Zeeck

ATTN: Oil Editors

LUBBOCK--The Halliburton Education Foundation, Dallas, has made a \$20,000 grant to the Texas Tech University College of Engineering for faculty support in 1978-79.

Presenting the check to Engineering Dean John R. Bradford was Edward J. Byrne, vice president, Engineering Design. Also present were Terry Thompson, senior manager, Personnel Services, Brown & Root, Inc., Houston, and John B. Weinbauer, employment supervisor, Welex, Houston.

This is the 14th year the foundation has made such a grant to the Texas Tech College.

"The Halliburton grant has served the college," Dean Bradford said, "in faculty enrichment, providing incentives for good teaching, awards for special contributions and for faculty development which, in the long run, means student development."

Brown & Root, Inc., and Welex are operating units of Halliburton Company, international oil field services and engineering construction organization that employs 88,000 people serving energy industries in more than 80 countries. Other Halliburton companies include IMCO and Otis Engineering Corp. in Houston and Halliburton Services, Duncan, Okla.

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ENGINEERING GRANT--Edward J. Byrne, left, vice president of Brown & Root, Inc., presents a \$20,000 check to Dr. John R. Bradford of Texas Tech's College of Engineering. Presentation of the check from the Halliburton Education Foundation marks the 14th year the foundation has made such a grant for faculty support within the College of Engineering. With Byrne were, left to right, Terry Thompson, senior manager, Personnel Services, Brown & Root, Inc., Houston, and John B. Weinbauer, employment supervisor, Welex, Houston. (Tech Photo)

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CONTACT: Dan Tarpley

LUBBOCK--Sarah R. Weddington, special assistant to President Carter on Women's Issues, will speak at the banquet session of the Texas Home Economics Student Section (THESS) at Texas Tech University, Friday, Nov. 10, in the University Center Ballroom.

The Texan, active in women's affairs and state politics, will speak on "Texas Home Economists as Professionals in Public Service" at a three-day workshop (Nov. 9-11) to be attended by some 300 students.

THESS is the state student affiliate of the national American Home Economics Association. The organization serves as the link between college and university students and professionals.

"The workshop is designed to educate members in methods and opportunities for making home economics an essential force in society," said Lisa DeWitt, president of the Texas Tech chapter. Workshop theme is "Home Economists, Be a Star in Texas."

Dr. Robert H. Pinder, home and family life professor in Texas Tech's College of Home Economics, will be the principal speaker for the first general session on Friday morning in the Coronado Room of the University Center. His subject is "Commitment to Star Achievement."

The program for opening day will include interviews for

thess workshop/add one

1979 state officer candidates and a "Howdy Party" that night in El Centro.

Dr. Carol Akerman, president-elect of Texas Home Economics Association and professor of home economics at The University of Texas at Austin, will be the luncheon speaker on "Helping Individuals and Families Shape Human Environment." The luncheon will be in the University Center Ballroom.

Billie Chapman of Austin, executive director of Vocational Homemaking Teachers Association of Texas, will speak at the concluding session, Nov. 11, on "Future Professional Opportunities for Texas Women." New officers will be installed at the breakfast meeting in El Centro.

Cathy Parker is vice president of the Texas Tech chapter of THESS and vice chairperson of the state organization. Other state officers include Louise Moyers of Abilene Christian University, chairperson; Teresa Wilkes of North Texas State, secretary; Shelly Foreman of Southwest Texas State, treasurer; Susie Robertson of Stephen F. Austin, reporter; Rosaura Rodriguez of Texas A&I, historian; Kaye Hunt of Abilene Christian, parliamentarian; Dr. Donice Kelly of Abilene Christian, advisor; and Dr. Bettye Weatherall of Sam Houston State, counselor.

Numerous work sessions and special interest meetings are scheduled during the three-day workshop.

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CONTACT: Heinrich H. Steiner

LUBBOCK--Senior citizens enjoy various forms of financial benefits, such as reduced fares and entrance fees and tax exemptions. Few probably know, however, about their right to free education.

At Texas Tech University persons 65 and older may audit any course they wish free, provided space is available. Registration and counseling are administered through the Division of Continuing Education.

According to Dr. Suzan H. Schafer, associate director of Continuing Education, interested persons receive detailed information to prepare for their studies, even instruction on use of the Library.

The senior audit program is made possible by a State of Texas House Bill of the 64th Legislature and is in accord with the general university regulation that those who audit a course do so for the purpose of hearing and seeing only; they may not participate in class discussions, laboratories or field work.

Audit students do not have to submit assignments and they do not receive grades or credit for a course.

More information may be obtained by calling 742-2352 or by writing to Texas Tech University, Division of Continuing Education, Box 4110, Lubbock, Texas 79409.

cutline-----

CATTLE RESEARCH--The newly renovated Texas Tech University Center at Amarillo is now one of the largest cattle research facilities in the nation with a capacity for more than 2,000 head annually, all used for research. The facilities permit studies with large numbers of cattle, simulating feedlot conditions. (Tech Photo)

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CONTACT: Gail Molsbee

LUBBOCK--Electrical engineering Prof. Marion O. Hagler has been named 1978 recipient of the \$1,000 Dads Association Spencer A. Wells Faculty Award.

The association will present the teaching award at the Dads Day membership luncheon, Nov. 18, in the University Center. Hagler is the 13th faculty member to receive the honor.

Funded by the Hemphill-Wells Foundation and awarded by the Dads Association, the award recognizes outstanding professional performance in teaching. The late Spencer A. Wells, for whom the honorarium is named, served as chairman of the Texas Tech Board of Regents and the Texas Tech University Foundation.

Hagler serves as an instructor in electrical engineering, applied physics and applied mathematics. He is also director of the Texas Tech Center for Energy Research. He has conducted research in electrical engineering and related areas.

Richard E. Saeks, electrical engineering professor and initiator of the Hagler nomination, said, "He is an outstanding educator at all levels and in several fields."

Besides teaching on the undergraduate and graduate levels, Hagler has directed an interdisciplinary, semester-long seminar, on "Contemporary Problems in American Society." National speakers

spencer wells/add one

represented a wide range of political, social, economical and environmental viewpoints.

G. M. Molen, associate professor of electrical engineering at Old Dominion University, Norfolk, Va., said that "Dr. Hagler has the ability to stimulate students both in the classroom as well as the laboratory. I have found that his lectures are well organized and structured so that information is easily conveyed to the student."

Molen added, "I have further found Dr. Hagler to be most helpful in counseling students in their academic course work as well as in their career objectives." Molen received the Master of Science and Doctor of Philosophy degrees from Texas Tech where he was a student of Hagler's.

Hagler has often served on graduate student committees in departments of engineering, psychology and biology. He also served as an advisor to honor students in the College of Arts and Sciences.

Clifford Parten, alumni of Texas Tech working for Team, Inc., Springfield, Virginia, said, "In the classroom, his lectures were models of lucidity and conciseness. I remember how he made subjects that I thought were going to be incomprehensible seem clear.

"More remarkable, perhaps, he spent probably as much time teaching outside the classroom as inside. Despite being heavily involved with research and writing, he could always find time to talk with students about their problems."

Hagler has received two National Science Foundation grants

spencer wells/add two

to develop applications-oriented laser and optics experiments for undergraduate students. Reports of results have been requested by more than 100 U.S. and foreign universities and one report is in its third printing.

Hagler received Bachelor of Arts and Bachelor of Science degrees from Rice University. From The University of Texas at Austin he received master's and Ph.D. degrees.

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CONTACT: B. Zeeck

ATTN: Agriculture Editors

LUBBOCK--One way to expand livestock production in West Texas may be to make better use of whatever is left in the field after crops are harvested.

Members of the Livestock Industry Committee of the Lubbock Chamber of Commerce, believing crop residue can make a difference in Lubbock area expansion, are the initiating sponsor of a seminar on "Profitable Use of Crop Residue" to take place from 9-11:45 a.m., Thursday (Nov. 2), at the Plains Co-Op Oil Mill, 2901 Avenue A in Lubbock.

The seminar is open free to the public.

Seminar co-sponsors, with the committee, are the Texas Agricultural Extension Service, Texas Tech University and the Agriculture Department of Lubbock Christian College.

A. Max Lennon, assistant dean of the Texas Tech College of Agricultural Sciences, is chairman of the Chamber of Commerce committee.

"Seminar discussions," Lennon said, "should encourage farmers to diversify and either arrange for grazing crop residue or harvest and sell it.

"There is plenty of residue in this area, but most of it is plowed under when there should be a profit in it for both the

residue/add one

farmer and livestock producer."

Marvin Sartin, extension economist with the Texas Agricultural Extension Service, will begin the seminar, helping farmers and feeders to determine prices for grazing or cash sales of harvested residue.

Others on the program and their subjects are: Rex Kennedy, director of Agricultural Services, Texas Tech, "Handling Methods;" Reed Richardson, Department of Animal Science, Texas Tech, "Nutritional Value;" Bob Long, also of Texas Tech animal science faculty, "To What Do You Feed It?" and a panel of livestock producers who are also farmers discussing, "How I Feed It."

The farmer-producer panelists include J. E. Birdwell, representing the Muleshoe area; Buddy Winters, Lubbock area; Donnel Echols, Lamesa area; and Franklin Reager, Tulia area. Participating in the panel with them will be Rod Blackwood of the Lubbock Christian College Agriculture Department. Panel moderator will be Lubbock County Agent Ken Cook.

"Our goal," Lennon said, "is expansion of livestock production in this area. We invite all farmers and livestock producers to attend. The seminar will take little time and the benefits should come in bigger profits."

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CONTACT: Becky Patterson

LUBBOCK--Cellist Arthur Follows and pianist Mary Pendleton will present a free Texas Tech University faculty recital on Friday, Nov. 10, at 8:15 p.m. in the Recital Hall of the Music Building of Texas Tech.

Follows is a graduate of the Oberlin Conservatory and the University of Michigan. He has been principal cellist with the Seventh Army Symphony Orchestra and the Plymouth, Roswell and Lubbock Symphony orchestras.

Pendleton, a Texas Tech graduate, has performed as soloist with the Lubbock and Amarillo symphonies, and as a solo and chamber music pianist at Texas Tech and in the surrounding area.

The duo's program will survey the romantic idiom in music from the 19th century through the early 20th century, encompassing works by Mendelssohn, Schumann, Frank Bridge and Manuel de Falla.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Dec. 1)

FINALS ARE JUST AROUND THE CORNER AND NOW IS THE TIME TO DO SOMETHING ABOUT THAT COURSE YOU'RE HAVING TROUBLE WITH. THE TUTORING SERVICE AT THE OFFICE OF STUDENT LIFE AT TEXAS TECH MAY BE ABLE TO HELP TURN THAT "F" OR "D" INTO A WINNING SCORE. CONTACT THE OFFICE OF STUDENT LIFE AT 742-2192 AND SEE HOW THE TECH TUTORING SERVICE CAN HELP.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Nov. 15)

JEWELRY, CHINA PAINTINGS, SCULPTURE AND ARTS AND CRAFTS OF ALL TYPES WILL BE FOR SALE AT THE FALL FESTIVAL OF THE ARTS AT TEXAS TECH UNIVERSITY. HANDICRAFTS INCLUDING NEEDLEWORK, STONEWARE AND WATERCOLOR WILL BE ON DISPLAY DAILY FROM 10 A.M. TIL 5 P.M. IN THE UNIVERSITY CENTER COURTYARD. CLASSICAL MUSICIANS, DANCERS AND THEATER GROUPS WILL ALSO BE PERFORMING. GET YOUR CHRISTMAN SHOPPING DONE EARLY AT THE FALL FESTIVAL OF THE ARTS, NOVEMBER 13TH THROUGH 15TH, AT THE TEXAS TECH UNIVERSITY CENTER.

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CONTACT: Becky Patterson

LUBBOCK--Carillonneur Judson Maynard, chairperson of the organ department at Texas Tech University, will be featured in a carillon recital at 1 p.m., Sunday, Nov. 5. He will perform on the carillon in the west tower of the Administration Building of Texas Tech.

The carillon, a rare instrument built by Harry Van Bergen, was installed on campus in May 1976. It has 36 bells, the largest weighing more than 800 pounds. It is one of fewer than a dozen carillons in Texas.

Maynard will play organ pieces by Matthais van den Gheyn, Robert de Visee, Stephen Foster and Johann Strauss.

Listeners may sit in the Administration Building courtyard or in the area of the mid-campus circle. There will be no admission charge.

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# Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 298-7125 / Dan Tarpley, Manager, News Bureau, 792-5598

CONTACT: Gail Molsbee

LUBBOCK--Dr. Karl L. Guntermann, associate professor of finance at Texas Tech University, will conduct a "Mortgage-Equity Capitalization" seminar, Nov. 9-10, at the Hilton Inn.

Co-sponsoring the seminar are the Center for Professional Development and the Society of Real Estate Appraisers, South Plains chapter number 112.

Approved for 15 hours of credit by Texas Real Estate Commission, the seminar is designed to introduce techniques used in appraising income producing property.

Guntermann is director of the real estate program at Texas Tech and has served as an instructor for several appraisal organizations and local realtor boards.

Fee for the 9 a.m.-5 p.m. seminar is \$145. To register contact the Center for Professional Development, (806) 742-3170.

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CONTACT: B. Zeeck

ATTN: Fine Arts Editors

LUBBOCK--The work of Georges Rouault, whom art critics find a "true French expressionist," will be the subject of the weekly Art Seminar at 10 a.m., Tuesday (Nov. 7 ), in The Museum of Texas Tech University.

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

The roots of Rouault's expressionism lie, critics say, in his feeling for medieval art. This special characteristic of his work began early when he was a restorer of medieval stained glass windows. Many of his works, for instance "The Old King," give viewers the feeling of stained glass, with the heavy outline of the figure and strong, vibrant colors.

Rouault, who lived from 1871 to 1958, was strongly influenced early in his work by Moreau and Rembrandt. Although his paintings include landscapes and themes of prostitutes, judges and clowns, his later works concentrated on social and religious themes. His special use of color, which some call "expressive" and others "violent," is a particular mark of Rouault's work. A series of etchings, collected in "Miserere," are as famous as his paintings.

rouault/add one

Among his most noted works are "De Profundis," "Christian Nocturne," and "Christ Mourned by the Holy Women." His later works are considered more akin to Rembrandt than to Moreau, and his figures of both God and man are imbued with a sense of noble dignity.

To arrange participation in the art seminars contact the West Texas Museum Association at The Museum of Texas Tech University.

19-10-31-78

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CONTACT: Heinrich H. Steiner

LUBBOCK--The question of whether West Texas and adjacent states have adequate water resources to support unrestricted growth has been raised for years with no clear-cut answer.

To offer more reliable and detailed information the Center for Public Service at Texas Tech University will sponsor a two-day symposium, "The Multi-Faceted Water Crisis of West Texas." To be held on Nov. 8-9 in the Lubbock Civic Center, the seminar will feature national experts on water issues.

On Thursday, Nov. 9, 9 a.m., The High Plains Project, funded by \$6 million from the federal Economic Development Administration and designed as a study of the High Plains' economic future, will be discussed in depth. Prime contractor for this project is a consortium of three firms led by Camp, Dresser & McKee of Austin. Its vice president and project director, Jean O. Williams, will present the Texas element of the High Plains Project. The Texas Water Development Board will be represented by its chairman, A. L. Black, and the Texas Department of Water Resources by its director for planning and development, Dr. Herbert W. Grubb. All executives will discuss the nature of the project.

-more-

water symposium/add one

A discussion on stretching the water supplies of West Texas will follow. Experts from Texas Tech as well as the state and federal government will examine weather modification experiments in the Upper Colorado River Basin, long-term projections of rainfall patterns and related issues.

The first day of the symposium will focus on two topics: "The Carter Administration's National Water Policy" and "Public Water Supplies: Quality and Quantity."

Dr. Frank L. Baird, associate director of the Center for Public Service and symposium organizer, invites the general public to attend.

Registration fee for the entire program, including four coffee breaks and a social hour at the end of the first day, is \$25. Persons wishing to attend selected sessions will be charged \$6.25 per session.

Discussions start 9 a.m. daily and end in the late afternoon.

More information may be obtained by contacting the Division of Continuing Education, Room 104, Administration Building, Texas Tech University, Lubbock, Texas 79409, telephone (806) 742-3797.

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CONTACT: Dan Tarpley

LUBBOCK--Texas Tech Ex-Students will devote two full days to work and play at their association's first homecoming under the planning and supervision of new Executive Director William F. (Bill) Dean this weekend (Nov. 3-4).

Friday highlights include the association council luncheon at noon in the Coronado Room of the University Center and the Century Club dinner at 6:30 p.m. in the center's Ballroom.

A reception precedes the Century Club dinner in the University Center Courtyard at 5:45 p.m. The all-exes dance is scheduled for 9 p.m. in the Hilton Inn Ballroom with music by the Texas Tech Jazz Band.

Throughout the day meetings of the association's various leadership groups, including the Executive Board, Loyalty Board and Association Council, will be conducted. Friday's formal activities will be kicked off with a 7:30 a.m. breakfast for past presidents in the Anniversary Room of the University Center.

Saturday's events include a 9:30 a.m. coffee and registration for all exes in the Courtyard and a reunion for the Class of 1953 in the Ex-Students Building; a luncheon for ex-students and their families in the Lubbock Municipal Coliseum from 11 a.m.-1:30 p.m.; special pre-game and half-time presentations and recognitions at

ex-students/add one

the homecoming Texas Tech-Baylor football game and the 1958 class reunion party in the Ex-Students Building after the ballgame.

Dean will preside at the Friday council luncheon and Texas Tech President Cecil Mackey will participate in the program. Retiring faculty awards will be presented by Tom Craddick of Midland, Ex-Students Association president-elect for 1978. Association president R. G. (Wick) Alexander of Arlington will present Top Techsan Staff awards to Betty Bingham, accounting clerk in the Payroll department; Jean Finley, business manager of student publications; Dan Tarpley, manager of the News Division of University News and Publications; and Gracie Wossum, band and music secretary. Special awards also will be presented at the luncheon, Dean said.

Larry Byrd of Dallas, chairman of the Century Club, will preside at that organization's Friday night dinner. Art Linkletter of television, radio and stage fame will be the Century Club speaker. Larry and Sharon Rice of Lubbock, widely-known West Texas vocal duo, will present musical entertainment. Craddick will present special awards. Century Club members are annual contributors of \$100 or more to the Loyalty Fund.

New officers for the association, Loyalty Club and Century Club will be chosen during the day's business meetings.

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CONTACT: B. Zeeck

LUBBOCK--The Tarbox Parkinson's Disease Institute of the Texas Tech University School of Medicine has been presented a check for \$1,550 in memory of the late Mrs. Elmer Tarbox, wife of the man for whom the institute was named.

Presenting the check was the Rev. Ted Dotts, pastor of Saint John's United Methodist Church in Lubbock.

The institute was established in 1973 with funds appropriated by the Texas State Legislature, and it was named for Elmer L. Tarbox, a representative from Lubbock to the Legislature at that time.

Parkinson's disease is estimated to occur in 0.1 percent to 0.5 percent of the population, and the TTUSM institute is only one of three centers in the United States devoted to research and treatment of the disease. It is the only one west of the Mississippi River.

At the time of her death Mrs. Tarbox's family requested that friends who wanted to memorialize her contribute to the fund through Saint John's United Methodist Church rather than send flowers.

The gift received by TTUSM President Cecil Mackey was the sum of those contributions.

cutline-----

PARKINSON'S DISEASE STUDY MEMORIAL--Dr. Cecil Mackey, second from left, president of the Texas Tech University School of Medicine, displays a check for \$1,550 given in memory of the late Mrs. Elmer Tarbox for work at the Tarbox Parkinson's Disease Institute at TTUSM. The check was presented by the Rev. Ted Dotts, left, pastor of Saint John's United Methodist Church. Present were former State Rep. Elmer L. Tarbox, for whom the Texas Legislature named the institute, and his son, Lee Tarbox, right.

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CONTACT: Paula Lowe

LUBBOCK--Wally A. Joiner, daughter of Mr. and Mrs. Wallis D. Joiner of Eldorado, ranks among outstanding students in the College of Home Economics at Texas Tech University.

After graduation next May with a major in home education, she plans a career in that field but not necessarily as a teacher.

Joiner holds the position of executive vice president of Vocational Home Economics Teachers Association of Texas, student section. The organization acquaints those majoring in home economics education with their professional field and is involved in proposing legislation in related areas.

She is also a member of Phi Upsilon Omicron, home economics honorary society, Baptist Student Union and President's Hostesses who serve at presidential functions. Her name is also on the Dean's Honor List.

Joiner chose to attend Texas Tech because of her home economics interest and she learned that the College of Home Economics was respected as one of the top in the nation.

She received the Diane Dorsey Scholarship for the 1978-79 academic year. The scholarship is based on extracurricular activities and scholastics.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Nov. 8)

THERE WILL BE A RECITAL SUNDAY, NOVEMBER 5TH, AT ONE P.M.  
ON THE TEXAS TECH UNIVERSITY CARILLON. DR. JUDSON MAYNARD WILL  
PERFORM SELECTIONS BY STEPHEN FOSTER AND JOHANN STRAUSS. THERE  
WILL BE NO ADMISSION CHARGE AND LISTENERS MAY SIT IN THE  
ADMINISTRATION BUILDING COURTYARD ON THE TECH CAMPUS.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Nov. 4)

FOR IMMEDIATE RELEASE

CONTINUING EDUCATION IS MORE THAN JUST CORRESPONDENCE  
CLASSES AND NIGHT SCHOOL. IT'S SEMINARS AND WORKSHOPS FOR BOTH  
THE PROFESSIONAL AND AMATEUR. IT'S THE CENTER ON AGING, THE  
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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Nov. 15)

A SEXUAL ASSAULT PREVENTION SEMINAR, PRESENTED BY THE RAPE CRISIS CENTER, WILL BE HELD TUESDAY, NOVEMBER 14TH, AT 7:30 P.M. IN THE TEXAS TECH UNIVERSITY CENTER. THE SEMINAR WILL DEAL WITH RAPE PREVENTION AND ACTIONS TO TAKE IN THE EVENT OF A RAPE ATTEMPT. UNIVERSITY POLICE OFFICIALS WILL BE AVAILABLE TO ANSWER QUESTIONS. FOR ADDITIONAL INFORMATION CONTACT THE TEXAS TECH OFFICE OF STUDENT LIFE AT 742-2192.

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CONTACT: Becky Patterson

LUBBOCK--A mysterious death cycle plagues the United States Presidency, according to Julian (Kip) Hyde, a speech communications major at Texas Tech University.

Hyde is the compiler and director of a production that he says is a non-fictional, documented study of the cycle.

Entitled "The President Is Dead," the documentary will be presented Nov. 9-12 at 8:15 p.m. in Room 101 of the Mass Communications building at Texas Tech.

First compiled two years ago, the study will probably be part of Hyde's master's thesis.

"Our production shows that every U.S. president since 1840 who has been elected in a year ending with a zero has died in office," he said. "We do not try to determine the causes, just present the facts in a documentary fashion."

The cycle is repeated every 20 years, he said.

"Presidents Harrison, Lincoln, Garfield, McKinley, Harding, Roosevelt and Kennedy all were elected during a year ending in '0,' and subsequently died in office of assassination or natural causes," Hyde said.

"Only one other president has died in office. Zachary Taylor was elected in 1848 but died in 1850--a year also ending in '0.'"

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presidents/add one

Hyde's research has revealed some almost supernatural occurrences.

"Lincoln described two dreams of his impending death to friends and associates in the White House," Hyde said. "Later, Lincoln's son worked for President Garfield. Two days after Lincoln's son described his father's dreams to Garfield, Garfield was shot also."

Hyde's production will feature actors in a documentary-style presentation. Texas Tech speech students will enact the circumstances surrounding the deaths.

Students involved in the production are Rhonda Barnett, Tony Bustillos, Sherri Dickey, Dennis Griffin, Helen Moss, Layne Rackley, David Sifford, Gi Gi Spudeck and Rikki Worsham.

"I can document every aspect presented in the study," Hyde said. "And if the cycle continues, the man elected in 1980 had better watch out."

Admission to the play is \$1 for the general public and 50¢ for Texas Tech students with valid IDs. Tickets may be obtained at the door or in Room 262 of the Mass Communications Building at Texas Tech.

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CONTACT: Gail Molsbee

LUBBOCK--Dr. Janet W. Diaz, Texas Tech University Spanish professor, will speak at the fall meeting of the Llano Estacado Chapter of the American Association of Teachers of Spanish and Portuguese on Nov. 11.

Dr. Ralph M. Carter, associate professor of education at Texas Tech and president of the chapter, announced the 12 noon meeting will be conducted at Acapulco Red's Restaurant.

A specialist in contemporary Spanish literature, Diaz will speak on "Spanish Literature After Franco: The Porno-Political Fad."

A business meeting at 12:45 p.m. will focus on several issues, Carter said. Chapter and national dues will be collected.

Cost of the dinner will be \$5. Reservations may be made with Phyllis Neumann, chapter executive secretary.

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CONTACT: Marcia Lundy

ATTN: Agricultural Editors

LUBBOCK--The Occupational Safety and Health Administration (OSHA) standards to reduce cotton dust emission in the textile mill industry could inflict a \$2.5 billion economic impact on the cotton industry as a whole.

Nationwide research is being conducted to determine, as closely as possible, precise economic burdens imposed by these regulations and lessening of these burdens by new technologies.

This research is headed by Dr. Don E. Ethridge, adjunct professor of agricultural economics at Texas Tech University and economist with the U.S. Department of Agriculture (USDA). The study involves scientists with the Economics, Statistics and Cooperative Service (ESCS) and the Science and Education Administration (SEA) of the USDA. Other researchers at Texas Tech and Texas A&M University are cooperating.

To estimate impacts of proposed standards Ethridge and his associates are devising models of textile mills and associated industries. They also are designing a world model to determine international repercussions.

These models will constitute an analytical system designed to demonstrate the current status through figures and statistics

--more--

models/add one

of the industries involved and to allow estimates of future changes to be plugged into the system to determine possible impacts.

Although the models are all interrelated, Ethridge said that if one model should become inoperative, the other systems would remain operative.

The rationale behind the OSHA standards is that cotton dust, generated during the milling process, is suspected of causing brown lung disease, or byssinosis, Ethridge said. OSHA regulations require textile mills to reduce drastically textile mill workers' exposure to the microscopic cotton dust emissions. Ethridge commented that unless alternatives to very expensive filtering systems are found, economic impacts will probably result in further substitution of man-made fibers for cotton.

Three new technologies, proposed by SEA, are being studied as possible means of reducing cotton dust emissions. The three are a tuft-to-yarn fiber preparing-spinning system, harvesting unopened cotton bolls and additional lint cleaning at the gin.

The tuft-to-yarn system would reduce, by as much as 60 percent, the total labor now required by conventional systems, according to Ethridge, although more highly skilled labor would be required. The system, to be completely enclosed, would eliminate almost all dust and noise associated with milling.

In order to determine its economic feasibility, a computerized textile mill model would be used to define further research and development needs of the tuft-to-yarn system and to estimate final costs of implementing the system.

A second solution of the dust problem might be harvesting

models/add two

unopened cotton bolls. This method would significantly reduce, if not eliminate, exposure of the fiber to such field conditions as wind-blown soil and bacterial and fungal contamination, which may contribute to byssinosis. Leaves, stems and other plant trash may be more completely removed, which would eliminate another source of dust in the final milling process. Removing these sources of trash and dust could also result in a substantially higher quality cotton, at least in some respects, Ethridge said.

Unopened boll harvesting would also open possibilities of chemically treating the fiber before spinning to improve its competitive position with synthetic fibers.

An estimate of the economic and technical potentials of this method would be made by using several analytical models to estimate possible costs and profits.

A third proposal is additional lint cleaning at the gin. Several new systems for ginning and cleaning cotton fiber are under consideration, Ethridge said. The objective would be to deliver clean, undamaged cotton lint to the textile mill free from excess dust.

One problem with this process in the past was that lint cleaning equipment had to be operated at high speed in order to process all incoming cotton during the brief 8-14 week ginning season. The cotton could not be completely cleaned at these high rates of speed because of damage to the fiber.

This problem might be solved, according to SEA scientists, by storing the ginned lint so it could be brought back and more thoroughly processed and cleaned at slower rates of speed over a

models/add three

longer period.

Estimates of the costs of holding the cotton for longer periods of time would be made through a gin model analysis.

Other models to be included in the complete analytical system are an econometric model, which will estimate general demand for textiles, cotton demand by mills, export and import demands and the domestic cotton supply; a world cotton model, which will estimate total world cotton and cotton textile production and consumption and trade by countries and regions of the world; a cottonseed oil mill model, which will provide data on costs and profits of the cottonseed industry; and an input-output model to provide estimates of inter-industry income and employment, and effects of imports and exports of all textiles.

Economic inputs from each model will all combine to provide an overview of the cotton industry. One overview would show the industry as it now stands, one would demonstrate possible repercussions of OSHA standards and others would demonstrate possible effects of new technologies.

The research, now six months old, will be conducted over a three-year period, Ethridge said. Once it has served to determine impacts on the cotton industry, he explained it could be used by universities and research foundations for studies in other areas of the industry.

Ethridge hopes to have the entire program operational on the Texas Tech computer system by the end of the research period.

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CONTACT: B. Zeeck

LUBBOCK--A one-of-a-kind Christmas tree ornament will be offered for the first time this year at Codgell's General Store at the Ranching Heritage Center. It is a limited edition decoration, dated, and this year displaying a picture of the JY Masterson Bunkhouse.

The Ranching Heritage Center is a 12-acre outdoor exhibit of The Museum of Texas Tech University. Its authentically restored buildings depict the history of ranching in America. Codgell's merchandise is sold to visitors and all profits go to the Ranching Heritage Association for support of the center.

The association has announced that a new Christmas tree ornament will be produced each year and each will have on it a different one of the structures at the center. With each ornament is a description of the building and its historical significance. This is the first year for the dated, limited edition ornament series.

Codgell's General Store, which replicates the old-time general store, will be festively decorated for its Christmas open house from 1 to 5 p.m., Sunday, Nov. 19. Door prizes will include an elaborate homemade gingerbread house, and refreshments of hot wassail and gingerbread cookies will be served.

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tree ornament/add one

In addition to the new tree decoration, customers will find old-fashioned Christmas ornaments; handmade quilts, bonnets and pillows; dolls and miniature doll house furniture; cut glass and linens; candle holders and hand-dipped candles; decorative copper pieces; Ranching Heritage Center note paper in a new design by Conny Martin; books, calendars and stocking stuffers.

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CONTACT: Gail Molsbee

FOR RELEASE NOON, NOV. 3

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

The recipients were 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 Publications; and Gracie Wossum, band and music secretary in the Music Department.

Ex-Students Association President Wick Alexander of Arlington made the presentations at the association council luncheon. Dr. William F. (Bill) Dean, executive director of the association, presided and Tech President Cecil Mackey participated 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."

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CONTACT: Dan Tarpley

LUBBOCK--Deadline for receipt of nominations for the national Thomas Jefferson Award for public officials who have distinguished service in the defense and preservation of the freedom of news media is Nov. 30.

Nominees must be either an elected or appointed public official at the local, state or national level, and nominations are sought from local, state or national press and broadcasting associations, news media or individuals. They should be supported by any information the nominating individual, association or medium wishes to submit. Nominations should be addressed to Thomas Jefferson Award, Mass Communications Department, Texas Tech University, Lubbock, Texas 79409.

Former recipients include the late Hubert H. Humphrey, U.S. Senator Sam J. Ervin Jr. of North Carolina, Gov. Ella T. Grasso of Connecticut, and Leon Jaworski, Texas attorney who led the prosecution in the Watergate hearings.

The formal presentation will be made Feb. 23 as a highlight of the observance of Mass Communications Week, Feb. 18-24, at Texas Tech University, according to Dr. Billy I. Ross, Mass Communications Department chairperson.

The award is sponsored by the Texas Daily Newspaper

thomas jefferson award/add one

Association, the Texas Press Association, the Texas Association  
of Broadcasters and Texas Tech University and its Mass Communications  
Department.

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CONTACT: Heinrich H. Steiner

LUBBOCK--Soccer will get another opportunity to gain in popularity when Texas Tech University meets West Texas State University for a match at 10:30 a.m., Nov. 4.

The teams will compete at the Texas Tech Track Stadium. Admission is free, according to Texas Tech coach Richard N. Combs, although donations will be accepted for a special scholarship fund.

Combs said his team consistently has been strong and will give fans a game "well worth remembering."

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CONTACT: Dan Tarpley

FOR RELEASE AT 7 P.M., FRIDAY, NOV. 3

LUBBOCK--Texas Tech Ex-Students Association Friday night paid tribute to two recently retired employees who have served the university more than 40 years and three more with 30 years or more of service.

Twenty-three more retirees were recognized for more than 10 years of employment as faculty or staff at Texas Tech at the annual Century Club dinner in the University Center Ballroom.

Haskell G. Taylor, professor of business administration, was recognized for 42 years and Thomas L. Leach, professor of agricultural education, for 41 years at Texas Tech.

Next in longevity at the university were Kathryn H. S. Durham, assistant to the dean of the College of Arts and Sciences, 36 years; Lewis N. Jones, dean of student affairs, 32 years; and Kirk B. Turner, professor of animal science, 30 years.

Others, with length of service, included Hattie C. B. Camp, professor of home and family life, and Chester C. Jaynes, professor of plant and soil science, 28 years; Floy G. Sides, professor of home and family life, 25; Dr. Faye L. Bumpass, professor of classical and Romance languages, 24; Julia B. M. Holmes, section supervisor, Payroll Department, and J T King, director of athletics, 21; R. D. Patterson, foreman, Central

-more-

retired employees/add one

Warehouse, 20; Beatrice M. Cole, bindery worker at Tech Press, D. M. McElroy, director, Correspondence and Educational TV, and Dr. Levi M. Nagle Jr., professor of education, 19;

William M. Voyles, livestock worker, and Samuel L. Williams, maintenance and repairman, residence halls, 18; James B. Franks, manager, Tech Laundry, 17; Allyne L. J. Niblack, custodian, Building Operations, 15; Dessie M. M. Carriker, sales clerk, Tech Bookstore, Dr. Carl Hammer, Jr., professor of Germanic and Slavic Languages, Mrs. Artie E. Thomason, supervisor, residence halls, and Wilfred Wilson, cabinetmaker, Building Maintenance, 14; Dr. Neville H. Bremer, professor of education, Frank M. Rea, custodian, Building Operations, and Katrina A. Savage, documents librarian, Texas Tech Library, 13; Mrs. Patrice M. Fleming, professor of education, 11; and Moselle Holberg, professor of food and nutrition, 10.

# Texas Tech News

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FOR RELEASE AT 7 P.M., FRIDAY, NOV. 3

LUBBOCK--Texas Tech Ex-Students presented "Distinguished Service Awards" to three Techsans at the 18th annual Century Club dinner Friday night at the University Center.

(cq)

The awards went to J T King, former athletic director, Nelson H. Longley, director of the University Center, and Margret R. Stuart, associate professor of chemistry. Presentations were made by Tom Craddick of Midland, president-elect of the association.

Television and radio personality Art Linkletter was principal speaker for the Century Club members, who are annual contributors of \$100 or more to the Ex-Students Association Loyalty Fund.

King joined Texas Tech in 1959 as assistant football coach, became head coach in 1961 and served as athletic director from 1970 until his retirement this year.

While at Texas Tech he produced five All-American players, 19 All-Southwest Conference players and numerous All-Star participants. He coached at the East-West Shrine game in 1966, the Hula Bowl game in 1965, and the Blue-Gray game in 1968. Before joining the Texas Tech Athletic Department he served as assistant coach at Tulane and Texas A&M universities and The University of Texas at Austin.

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distinguished service awards/add one

Longley was named assistant director of the University Center in 1955 and director in 1957, a position he continues to hold. During his service as director the center has increased five times in size, the latest addition completed in 1976.

Stuart has been a member of the chemistry faculty at Texas Tech since 1946. She received a bachelor of arts degree in biology from Texas Tech in 1940 and a master's degree in chemistry in 1948.

She has been active in campus, community and church affairs during her more than 20 years as a chemistry professor at the university.

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LUBBOCK--Texas Tech University flute, piano and voice faculty will perform in a full recital on Nov. 7 at 8:15 p.m. in the Recital Hall of the Music Building at Texas Tech.

C. Sue Arnold and William G. Hartwell III, assistant professors of voice, Dr. Michael C. Stoune, associate professor of flute, and Jane Ann Wilson, assistant professor of piano, will present the performance.

Selections will include "Ihr Blumlein Alle" from "Die Schone Muellerin," "Der Musensohn," "Der Jungling an Der Quelle," "Auf Den Wasser zu Signen," and "Seligkeit."

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LUBBOCK--The Texas Tech Percussion Ensemble will perform Wednesday, Nov. 8, at 8:15 p.m. in the Recital Hall of the Music Building at Texas Tech.

The percussionists, under the direction of Ron Dyer, will perform a variety of selections, including "Mesozoic Fantasy" by Bauernschmide and "Ceremonial" by Paul Creston.

Performers include Carrie Amos, Richard Barnett, Galen Ethridge, D. G. Flewellyn, John Fulton, Jim Hardaway, Harry Hecht, Donald Johnson, Alan Laurence, Cindy Mills and Mike Turner. They will be assisted by Alan Shinn on drums, Bruce Alderson on bass and Monty Williams on piano.

There will be no admission charge.

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LUBBOCK--Electronic music in the visual arts will be discussed in a free presentation by Ron Rellegrino, a California-based composer and lecturer, on Nov. 9 at 8:15 p.m. in Room MB 1 of the Music Building at Texas Tech University.

The program will consist of demonstrations of electronic music instruments including Moog, Buchla, ARP and AKS synthesizers, examples of electronically generated graphics on slides and film, and the demonstration of a synthesizer-driven laser projection system.

Pellegrino has performed in concert halls throughout North America, Europe and South America. He is the founder of the Real Electronic Symphony, an international group of performers located in the San Francisco Bay area. Pellegrino is internationally recognized as a pioneer in the electronic arts of sound, light and environmental design.

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CONTACT: Heinrich H. Steiner

LUBBOCK--Pulitzer Prize winner Dr. N. Scott Momaday will visit Texas Tech University on Nov. 14-15 to read from his poetry and prose.

Sponsored by the Department of English, the sessions are free to all interested persons. "The department is extremely fortunate to be able to bring Momaday to Texas Tech," said Dr. Walter R. McDonald, director of the Creative Writing Section.

Momaday will read at 8 p.m., Nov. 14, in the Chemistry Building Auditorium (room 38); and at 11:30 a.m., Nov. 15, he will meet with students, faculty members and other interested persons in the Senate Room of the University Center for an informal discussion session.

The writer, a professor of comparative literature at Stanford University, received the Pulitzer Prize in 1969 for his novel, "House Made of Dawn," the year he was named "Outstanding Indian." He is of Kiowa descent and grew up on the Navajo, Apache and Pueblo reservations.

Other principal writings include "The Gourd Dancer" and "The Names."

For spring the Department of English has scheduled two poets, Phil Levine and Galway Kinnell.

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LUBBOCK--Justin Pomeroy, nationally known palmist, will demonstrate and describe the art of palmistry during his Nov. 7 visit to the Texas Tech University Center.

Pomeroy will hold individual palm reading sessions in the University Center Courtyard from 11 a.m.-2 p.m., and will present an 8:15 p.m. lecture on "How Your Hand Reveals Who You Are" in the University Center Ballroom.

Pomeroy is also a master of yoga and acupuncture and a student of herbology and nutrition.

There will be no charge for the afternoon palmistry sessions. Admission for the evening lecture is \$1 for Texas Tech students and \$2 for all others.

Cutlines-----

TOP TECHSAN STAFF AWARDEES-- 1978 recipients of the Texas Tech Ex-Students Association "Top Techsan Staff Awards" are, from left, Gracie Wossum, band and music secretary in the Music Department; Jean Finley, business manager for Student Publications; Dan Tarpley, manager of the News Bureau in the office of University News and Publications, and Betty J. Bingham, accounting clerk in the Payroll Department. They will be recognized at the Ex-Students Council luncheon at noon, Friday (Nov. 3).

(Tech Photo)