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Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Prabhu Ponkshe

LUBBOCK--The Shell Companies Foundation has awarded \$5,000 to Texas Tech University's International Center for Arid and Semi-Arid Land Studies (ICASALS), Dr. Clyde E. Kelsey, vice president for Development, announced today.

The Houston-based foundation has contributed \$20,000 to ICASALS over the past four years, Kelsey added.

The monies will be used for general support and for providing scholarships to students entering the interdisciplinary graduate curriculum in arid lands studies.

"We are grateful to the Shell Foundation for the support and hope to use the gift for additional scholarships to needy students who have good academic standing," said Dr. Idris Traylor, deputy director of ICASALS and graduate adviser for the arid lands studies curriculum.

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CONTACT: Dan Tarpley

LUBBOCK--Orientation for students over 25 returning to Texas Tech University this fall after a prolonged break in their higher education will be conducted from 7-8:30 p.m., Sunday (Aug. 19), in Building X-15 across from the Municipal Coliseum.

The orientation program will be presented by the Continuum, a service of the Office of Student Life for students returning to the academic environment. The program is designed to facilitate re-entry into college and includes instruction and help in library use, study skills, academic counseling and referrals, and career counseling. It also includes a special registration for "first-timers."

Persons who attend the orientation should have registration materials with them if they have them in their possession. The registration process will be outlined in detail and a slide presentation will further explain the enrollment procedure. A question-and-answer period will cover academic information, including add-drop and parking procedures and night course offerings.

Additional information may be obtained from Jodie Morris in the Office of Student Life, (806) 742-2192.

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CONTACT: B. Zeeck

LUBBOCK--Nobody knows for sure, but there is sound conjecture in the "Children of the Universe" program at the Moody Planetarium that suggests the universe may contain a hundred million billion additional worlds where other peoples could exist.

The program at the planetarium of The Museum of Texas Tech University takes the viewer back to Galileo's time when the universe was thought to spin around the earth. Then the audience moves forward to present knowledge and scientific conjecture.

"It is currently believed that, as the universe unfolds, the formation of planets around stars is a natural process," the narrator explains. "Mathematically, there could be billions of suns which have spawned offspring with conditions unique enough for intelligent life to have evolved."

It happened on earth, and if here, why not elsewhere? And life other than earth's own may one day make itself known, the program suggests.

"Children of the Universe" reveals the latest scientific understanding of how the universe began and speaks of titanic explosions and trillion degree heat, the death of stars and the birth of earth.

Shows are presented at 3 p.m. daily. The cost is \$1 for adults and 50 cents for children. Preschool children are not encouraged to attend.

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CONTACT: Nancy Lovell

LUBBOCK--Texas Tech University Division of Continuing Education has announced two Graduate Records Examination (GRE) preparation seminars to be taught this fall.

Each section will meet one night a week for eight weeks from 7-9 p.m. in Building X-15 (across from the Lubbock Coliseum).

The section which meets on Tuesday nights will begin Sept. 4, the Wednesday night section Sept. 5.

Courses will review information covered in the GRE examination, including basic algebra and geometry, vocabulary and analytical ability.

Cost for the seminar is \$35.

Interested persons should register with the Division of Continuing Education, (806) 742-2354.

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ATTENTION: Agriculture Editors

LUBBOCK--A statewide workshop on "Gasohol Know-how" will take place in the Lubbock Memorial Civic Center Sept. 6 under co-sponsorship of the Texas Farmers Union (TFU) and the Texas Tech Center for Energy Research.

State Rep. Dan Kubiak of Rockdale, whose support of gasohol production has earned him the name of "Mr. Gasohol," will be the keynote speaker.

John Thomas, TFU staff conference coordinator, said the workshop will deal with all major problems related to gasohol production and marketing.

"Gasohol is seen as a very logical solution to some of the Texas farmers' problems," Thomas said, "and this conference is designed to be a gathering point for information on gasohol."

Rotating sessions are planned so that farmers who want to enter the field of gasohol production can attend all four technical meetings. The sessions will provide information on "Technology of Gasohol Production," "Legal Aspects and Financial Assistance for Production," "Equipment Procurement," and "Mixture and Uses of Gasohol," including blending, storage and marketing.

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gasohol/add one

For the technology session there will be a slide lecture on methods of producing alcohol fuels, a description of solar applications to ethanol production, model glass and solar stills. Cindy Domenico, coordinator for alcohol fuels for the National Farmers Union, will participate. Director Victor Ray of NFU Field Services will give a Declaration of Independence for Farmers.

Speakers for the session on legal aspects, including the steps necessary for obtaining federal and state permits, will be representatives of the federal Bureau of Alcohol, Tobacco and Firearms and the Texas Alcoholic Beverage Commission. Speaking on financial assistance will be representatives of the Economic Development Administration and other interested federal agencies.

Equipment producers of both large and small units and producers of the chemical materials necessary for gasohol production will speak and answer questions at the equipment procurement session. Federal energy experts also are expected to participate.

For the session on mixture and uses of gasohol, one of the speakers will be Don Graham, manager of the Sunray Co-op, the first place in Texas where gasohol was sold. Texas Tech Chemical Engineering Prof. Steven R. Beck will discuss application of gasohol to diesel engines.

Registration fee for the workshop is \$10. For more information write either the Center for Energy Research, Texas Tech University, Lubbock, Texas 79409 or the Texas Farmers Union, 800 Lake Air Drive, Waco, Texas 76710; or call Prof. Beck, (806) 742-3553, or Jon Thomas, (817) 772-7220.

On the workshop planning committee are: Dr. Marion O. Hagler interim director of the Center for Energy Research; Joe Rankin of Ralls, TFU vice president; Bob Adams, Lubbock, Farmers Union Insurance agent; Wayne Richardson, Wolfforth, TFU District II director; Mell D. Cherry, Lorenzo; Beck and Thomas.

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LUBBOCK--A partially finished, sculptured house of welded steel plate, a landmark at Lake Ransom Canyon near Lubbock, has won for its designer and builder a \$250 award from the James F. Lincoln Arc Welding Foundation, Cleveland, Ohio.

Robert R. Bruno, a member of the Texas Tech University Division of Architecture faculty, won the prize for the foundation's annual Award Program for Improvement through Arc Welding in design, engineering and fabrication. The Division of Architecture was presented a plaque.

Bruno designed the home and is building it himself, using a welder and simple hand tools. He said he has been working on it for more than four years and hopes to have it completed in another two.

The design has received acclaim at other places and times. The American Institute of Architects national headquarters in Washington had a 45-picture exhibit on the home in July and that exhibit has moved to San Juan, Puerto Rico. The "Washington Post" carried a story on the house as did a Puerto Rican newspaper.

The Lincoln Arc Welding Foundation sponsors the award program to recognize and reward ideas describing how arc welding can be used to conserve material, time and energy, increase

sculptured house/add one

productivity, improve quality, function or appearance or achieve other design objectives in specific structures, machinery or manufactured products.

Prof. W. Lawrence Garvin, associate dean of engineering and chairman of the Division of Architecture, accepted the plaque on behalf of the division. The presentations were made by Richard Gunkel, manager of Big 3 Industries, Inc., Lubbock, a company associated with the Lincoln Arc Welding Foundation.

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CONTACT: Dan Tarpley

LUBBOCK--Donald Leslie Macklin, senior process engineer in the Natural Resources Group, Phillips Petroleum Co., Borger, has become the 52nd person to qualify for the Master of Engineering Degree through Texas Tech University's Division of Continuing Engineering Education.

He has completed requirements for the degree and he will receive it with the completion of the summer session at Texas Tech.

Macklin started in the Texas Tech College of Engineering continuing education program in 1973. He has worked with Phillips Petroleum in Borger and Bartlesville in both domestic and foreign gas process engineering.

The oil company process engineer received the bachelor's degree in Chemical Engineering in Kansas State University in 1972. He did postgraduate work at Tulsa and Oklahoma State universities.

He is the son of Mr. and Mrs. Herbert Macklin of Canton, Kansas.

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LUBBOCK--With fall approaching, The Museum of Texas Tech University is organizing new training sessions for persons who want to become docents, skilled in the art of conducting tours of The Museum, including its Moody Planetarium and Ranching Heritage Center.

The Docent-Volunteer Guild of The Museum provides a two-year training period so that members can interpret the various exhibits for visitors of any age.

Training sessions will begin Aug. 29 for the Ranching Heritage Center, Aug. 30 for the Planetarium, and Sept. 5 for the Hall of Early Texas Cultures.

Judith K. Hunter, program coordinator for The Museum, said that sessions are led by experts in a variety of fields and docents get in-depth instruction in fields from art to archeology and from ancient history to modern agricultural achievements.

Pay is in the form of fun and self-satisfaction, Hunter said. Some volunteers have been tour guides for more than 10 years, and to Hunter this is indication that the job does have its rewards.

Many of the tours are conducted for school children. Those for adults are specially arranged.

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docent-volunteer guild/add one . .

To apply for membership in the Docent-Volunteer Guild, Hunter said, those interested should contact her at The Museum, either by writing P.O. Box 4499, The Museum of Texas Tech University, Lubbock, Texas 79409 or by calling 742-2499.

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Cutline-----

AWARD WINNER--Richard Gunkel, center, manager of Big 3 Industries Inc. of Lubbock looks on after presenting awards to Texas Tech Architecture Prof. Robert R. Bruno, left, and Prof. W. Lawrence Garvin, associate dean of engineering and chairman of the Division of Architecture at Texas Tech. Bruno won a \$250 award from the James F. Lincoln Arc Welding Foundation, which is associated with Big 3 Industries, for the house he designed and is building at Lake Ransom Canyon. The house is in the background. The Division of Architecture was awarded a plaque by the foundation. The Big 3 cap Bruno is wearing was a bonus gift. (TECH PHOTO)

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CONTACT: Nancy Farmer

LUBBOCK--Engineers from West Texas and Eastern New Mexico will have opportunity this fall to enroll in any of four engineering courses offered by the Division of Continuing Engineering Education at Texas Tech University.

The program applies to a master's degree in engineering and is offered primarily for practicing engineers seeking professional development, according to Jo King, director, Continuing Engineering Education.

Courses will be offered at Amarillo College and Frank Phillips College in Borger. A similar course schedule is being developed by the College of Engineering to be offered on the Texas Tech campus.

Registration for Amarillo will be 6 p.m., Monday, Aug. 20, in Room 310 of the Technology Building at Amarillo College.

Registration for Borger will be 6 p.m., Tuesday, Aug. 21, in room 12 of the Administration Building at Frank Phillips College.

Amarillo College's program will offer an electrical engineering course, "Digital Computer Design," and "Analysis of Engineering Systems II."

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courses/add one

The program at Frank Phillips College will offer a chemical engineering course, "Equilibrium Systems," and a civil engineering course, "Advanced Waste Treatment."

Additional information may be obtained by contacting Jo King, Continuing Engineering Education, College of Engineering, Texas Tech University, Lubbock, Texas 79409, (806) 742-3456.

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CONTACT: B. Zeeck

LUBBOCK--The evolution of patterning and sewing techniques through the 19th and 20th centuries will be the subject for an exhibit at The Museum of Texas Tech University opening Sept. 16.

But before the exhibit can be completed, museum staff members would like to locate gifts of a 1940s sewing machine, contemporary disco shoes for women--the color to go with a peacock blue dress--and any yardage of material.

Betty Mills, curator of costumes and textiles, said that lengths of cloth are needed from any era, but particularly from the decades between 1940 and 1960.

Persons having any such items to donate to The Museum should write to Mills, The Museum of Texas Tech University, Lubbock, Texas 79409, or call 742-2461.

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CONTACT: B. Zeeck

LUBBOCK--A "Concrete Happening," described as a "somewhat delayed groundbreaking ceremony," Will take place at 9 a.m. on Friday (April 20) at the Electrical Engineering Annex, immediately behind the Electrical Engineering Building at Texas Tech University.

Executive Vice President W. Lyle Donaldson of the Southwestern Research Institute in San Antonio will speak briefly on the future of electrical engineering.

Students and faculty of the Department of Electrical Engineering have invited the public to attend. Entry to the site is through the parking lot behind the EE Building.

To be housed in the 33,000-square-foot addition will be a demonstration laboratory and facilities for studies in high voltage-pulsed power, laser-quantum electronics, plasma, integrated circuits, radio science and optical systems.

After the Concrete Happening a reception for those attending will be held in the Charles V. Bullen Room of the EE Building. Bullen was electrical engineering department chairman from 1932-1960.

Donaldson is a 1938 electrical engineering graduate of Texas Tech, and he was named a Distinguished Engineer in 1969 by the university's College of Engineering. He is a fellow in the Institute of Electrical and Electronic Engineers and has distinguished himself in education, industry and research.

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He is cited in "American Men of Science," "Who's Who in the South and Southwest," and "World Who's Who in Commerce and Industry." He formerly taught at Lehigh University. He has performed and directed research in the fields of radio direction finding, communications, systems engineering, electronic instrumentation and control, sonics, military physics, bioengineering and non-destructive testing of materials. He holds several patents.

Dr. Russell H. Seacat Jr., chairman of the Department of Electrical Engineering, said that the Friday event is of special significance. It denotes, among other advances, the increasing need for engineers in this age of technology and education's efforts to train people to find solutions to major social problems.

"We are facing a real shortage of engineers," he said, "in an age when, in many cases, even technicians should be trained engineers."

Construction on the \$2 million annex began last Jan. 2 and completion is expected in the spring of 1980.

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CONTACT: Dan Tarpley

Farm and business editors

LUBBOCK--William D. Baldwin, 1977 graduate of Texas Tech University with a degree in economics, has been assigned to Denver, Colo., district offices of Monsanto Agricultural Products Co.

Baldwin's appointment was one of seven new sales representatives in the company's Crop Chemicals Division.

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CONTACT: Nancy Lovell

LUBBOCK--Tickets for the Texas Tech University Cultural Events Artist and Speakers Series for the fall will be on sale Aug. 20-Sept. 29 at the UC ticket booth.

Separate season tickets are available for the speaker series and the artist series, and purchasers may use Master Charge or Visa charge cards.

The Artist Series will feature Youri Egorov, classical pianist from Russia; Pepe Romero, classical guitar; the Broadway musical "Eubie!"; Mummenschanz, internationally acclaimed masked mime troupe that has been performing on Broadway for three years; the Saint Paul Chamber Orchestra; and an exciting modern dance repertory company called 5 by 2 Plus.

The former prime minister of Great Britian, Sir Harold Wilson, begins the Speaker Series. Other lectures are by James Fixx, author of "The Complete Book on Running;" John Holt, educator and author of "How Children Fail, How Children Learn;" and Edward Villella, principal dancer with the New York City Ballet. A special two-day program on utilization of nuclear energy features two nationally known nuclear scientists, Dr. Norman Rasmussen and Daniel Ford, discussing pros and cons of the nation's most timely topics.

Persons interested in purchasing tickets may do so by mail, in person or by calling (806) 742-3601.

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CONTACT: B. Zeeck

ATTENTION: Agriculture Editors

LUBBOCK--Utility costs per ton of manufactured feed have nearly tripled in the past six years, "and we all get the feeling that 'we ain't seen nothing yet,'" a feed manufacturing expert this week told participants in Texas Tech University's first Feed Manufacturing Short Course.

R. R. McEllhiney, a member of the grain science and industry faculty at Kansas State University, said that there are effective ways of controlling and reducing the cost of energy, however.

"As with other costs, the first thing to do is to find that handle--some common denominator," he said and suggested the most useful as BTUs per ton, as every source of energy is easily convertible to British Thermal Units.

There is nothing magic in the control of utility or energy costs, nor are there any dramatic, one time only major projects that will turn the trick," McEllhiney explained. "It takes dogged attention to the little segments of energy waste, loss or costs; but doing this can and will get the job done."

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mcellhiney/add one

McEllhiney cited one company that reduced energy usage in its feed mills by 28.6 percent from 1972 to 1978 with nearly 80 percent of the reduction coming in 1977 and 1978.

This was done, he said, by running contests, setting goals, making plant energy audits and fixing things that needed fixing to conserve energy and more.

"Not one single large capital project was involved," he emphasized.

Some of the sources of excess energy usage in a feed mill include leaks in fuel lines or fuel storage units, inefficient boilers, uninsulated steam lines, steam leaks, inoperative steam traps and other devices, uninsulated fat and molasses storage tanks, non-recovered condensate, incorrect electrical billing, low power factor--motors running at less than full load and sometimes at no load, high peak demand, unneeded lights, wrong type of lights, a malfunctioning air compressor, and compressed air leaks.

That is not a complete list, the speaker indicated, but these are some of the things that could contribute to energy costs.

Energy may be the biggest cost control challenge in the future, according to McEllhiney, and he urged his listeners to initiate a program of conservation as soon as possible.

Participants in the short course came from as far away as New Jersey and California, Idaho and Mexico. They spent Friday on a field trip which took them to Friona and to the Texas Tech

mcellhiney/add two

Lubbock County Field Laboratory near New Deal. At that facility the College of Agricultural Sciences operates a \$1.5 million feed mill, the only one of its kind used exclusively for livestock feed research.

The Feed Manufacturing Short Course was sponsored by Texas Tech University in cooperation with the Texas Grain and Feed Association, Texas Cattle Feeders Association and the American Feed Manufacturers Association Inc. The coordinator was Dr. C. Reed Richardson of the Texas Tech faculty in animal science.

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| DATE | Stories and Outlines | Locals | Reg. L | Reg. W | 50 M's | Reg. R | x-lis | Adj. | Home to | Explanations |
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| 23-8-24-79 | Cutline - Black-eyed Pea Patch | | | | | | | | | London Daily Mirror, |
| 24-8-24-79 | Charles Robert Black | | | | | | | | | " " Express, Financial Times - London |
| 25-8-24-79 | Dr. Scott M. Grundy | | | | | | | | | San Diego & Phoenix papers |
| 26-8-24-79 | Boy Butler Ardmore | | | | | | | | | Ardmore paper |
| 27-8-24-79 | Doctoral candidates | | | | | | | | | Pentagon, Midland, Odessa, Army Times, Odessa American |
| 28-8-24-79 | Cutlines - Midland Student | | | | | | | | | Midland Reporter Telegram |
| 29-8-24-79 | Texas Techs an | | | | | | | | | Mrs. Donna Waechter |
| 30-8-24-79 | " " Tech Psychologists | | | | | | | | | Col. William Hartzell, AJ, U.D., Army Times, |

Cutlines-----

TEXAS TECH PSYCHOLOGISTS ACCEPT OATH--Two Texas Tech University counseling psychology doctoral students accept the oaths of office for U.S. Army second lieutenants in ceremonies at Texas Tech. The new officers are Michael Hightower, second from left, son of Mr. and Mrs. L.W. Hightower, 1401 West Holloway, Midland, Texas, and Donna Waechter of Harrisburg, Pa. The oath was administered by Brig. Gen. S.M. Kennedy, University Professor at Texas Tech and former vice president for Academic Affairs. At right is Dr. Robert P. Anderson, director of psychology counseling at Texas Tech. (Tech Photo)

Cutlines-----

TEXAS TECHSAN ACCEPTS OATH--Mrs. Donna Waechter, doctoral student in counseling psychology at Texas Tech University, accepts the oath of second lieutenant in the U.S. Army in ceremonies this week. Brig. Gen. S.M. Kennedy, University (cq) Professor and former vice president for Academic Affairs, administers the oath. Waechter will continue her doctoral studies at Texas Tech, then serve a one-year internship at an Army hospital and three years on active duty. (Tech photo)

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Cutlines-----

MIDLAND STUDENT ACCEPTS OATH--Michael Hightower, right, doctoral student in counseling psychology at Texas Tech University, accepts the oath of second lieutenant in the U.S. Army in ceremonies this week. Brig. Gen. S.M. Kennedy, University Professor and former vice president for Academic Affairs, administers the oath. Hightower will continue his doctoral studies at Texas Tech, then serve a one-year internship at an Army hospital and three years on active duty. (Tech Photo)

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CONTACT: Dan Tarpley

LUBBOCK--Two doctoral candidates in counseling psychology this week were sworn in as second lieutenants in the U.S. Army to continue their work at Texas Tech University toward Ph.D. degrees with strong financial support from the Army.

Donna Waechter of 2902 Third Place, Apt. A-7, Lubbock, and Michael Hightower, 1401 West Holloway, Midland, accepted the oath administered by Brig. Gen. S.M. Kennedy, University Professor at Texas Tech and former vice president for Academic Affairs. The oaths were administered in ceremonies in the office of Gen. Kennedy on campus.

The two students will receive stipends of \$400 per month from the Army. The Army also will pay their tuition, fees and cost of books.

Texas Tech psychology counseling director Robert P. Anderson said the doctoral candidates, upon completion of their studies, would serve one-year internships, then go on active duty with the Army for three years. Waechter and Hightower will hold the rank of first lieutenant during their internships and captain during their active duty period.

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doctoral candidates/add one

Waechter received the bachelor's degree in psychology at Dickinson College, Carlisle, Pa., in 1976. She is a 1981 candidate for the Ph.D.

Hightower, son of Mr. and Mrs. L.W. Hightower, 1401 West Holloway, Midland, received the bachelor's degree in psychology from The University of Texas at Arlington in 1975. He is in his second year of doctoral work.

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CONTACT: Doug Simpson

LUBBOCK--Roy Butler of Ardmore, Okla., president of Noble Affiliates Inc., is one of four ex-students named 1979 "distinguished alumni" by Texas Tech University.

The four, Charles Robert Black of London, England, president and general manager of Texaco Iran Ltd.; Dr. Scott M. Grundy, chief of the metabolic section of the Veterans Administration Hospital in San Diego, Calif.; Butler; and Dr. Mina Wolf Lamb of Lubbock, professor-emeritus of food and nutrition at Texas Tech, will be recognized at the 13th annual "Distinguished Alumnus" Banquet at 7 p.m., Friday, Sept. 7. The annual recognition dinner is sponsored by the Texas Tech Ex-Students Association and Texas Tech University.

Names of recipients and plans for the dinner were announced by Bill Dean, executive director of the Ex-Students Association, and Tom Craddick of Midland, Ex-Students presidents.

Butler, native of Rising Star, Texas, is destined to take over the appointed position of chief executive officer of Noble Affiliates Inc. on Jan. 1, 1980.

He received the bachelor's degree in petroleum engineering in 1949 and the master's in geology in 1950, both from Texas Tech,

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roy butler/add one

then began his engineering career with Continental Oil in 1950. Five years later he joined Samedan Oil Corp. and worked out of Ardmore in oil and gas producing areas. After becoming president in 1965, he remained with the company until 1974. He was then named executive vice president of Noble Affiliates, Samedan's parent company.

He has been active in civic and church affairs, including service as a member of the board of commissioners and mayor of Ardmore. He was designated a "Distinguished Engineer" by Texas Tech in 1971.

Interim President Lawrence L. Graves will present medallions to recipients of the "Distinguished Alumnus" plaques.

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CONTACT: Doug Simpson

(Note to editor: Grundy lives at 103 Matamoros Ct.
Solona Beach, Calif. 92075)

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The four, Charles Robert Black of London, England, president and general manager of Texaco Iran Ltd.; Roy Butler of Ardmore, Okla., president of Noble Affiliates Inc.; Grundy; and Dr. Mina Wolf Lamb of Lubbock, professor-emeritus of food and nutrition at Texas Tech, will be recognized at the 13th annual "Distinguished Alumnus" banquet at 7 p.m., Friday, Sept. 7. The annual recognition dinner is sponsored by the Texas Tech Ex-Students Association and Texas Tech University.

Names of recipients and plans for the dinner were announced by Bill Dean, executive director of the Ex-Students Association, and Tom Craddick of Midland, Ex-Students President.

Grundy is nationally and internationally recognized as an authority in the field of sterol metabolism, particularly as it relates to clinical problems. He is a 1955 graduate of Texas Tech and received the M.S. and M.D. degrees from the Baylor College of Medicine, where he was graduated with honors in 1960. He completed Ph.D. requirements at the Rockefeller University in 1968.

He has held academic positions with Baylor College of Medicine, the Rockefeller University and now serves as professor of medicine in residence to the University of California in San Diego.

Much of Grundy's research was done while he was chief of the Phoenix clinical research section of the National Institute of Arthritis, Metabolism and Digestive Diseases, Phoenix Indian Medical Center, from 1971-1973.

Interim President Lawrence L. Graves will present medallions to recipients of the "Distinguished Alumnus" plaques.

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25-8-24-79

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CONTACT: Doug Simpson

(Note to editor: Black lives at Flat 7, 1 Princes Gate,
London S.W. 7. England)

LUBBOCK--Charles Robert Black of London, England, president and general manager of Texaco Iran Ltd., is one of four ex-students named 1979 "distinguished alumni" by Texas Tech University.

The four, Roy Butler of Ardmore, Okla., president of Noble Affiliates Inc.; Dr. Scott M. Grundy, chief of the metabolic section of the Veterans Administration Hospital in San Diego, Calif.; Black; and Dr. Mina Wolf Lamb of Lubbock, professor-emeritus of food and nutrition at Texas Tech, will be recognized at the 13th annual "Distinguished Alumnus" Banquet at 7 p.m., Friday, Sept. 7. The annual recognition dinner is sponsored by the Texas Tech Ex-Students Association and Texas Tech University.

Names of recipients and plans for the dinner were announced by Bill Dean, executive director of the Ex-Students Association, and Tom Craddick of Midland, Ex-Students president.

A petroleum engineering graduate in 1958 and a native of Abilene, Black will be cited for "a distinguished career with Texaco Inc., beginning as a field engineer in Hobbs in 1958 and working up through various engineering positions into management."

-more-

charles robert black/add one

In 1974, Black was named assistant to the vice president in the Producing Department (Eastern Hemisphere), then manager of Middle East Operations in 1976. Seven months later he was made president and general manager of Texaco Iran Ltd. based in London.

Interim President Lawrence L. Graves will present medallions to recipients of the "Distinguished Alumnus" plaques.

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24-8-24-79

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CONTACT: Doug Simpson

LUBBOCK--Beverly Johansen has been appointed newsroom director of "The University Daily," Texas Tech's campus newspaper.

Johansen, formerly of Dallas, most recently served as assistant to the foreign student adviser at Southern Methodist University. She brings nine years of teaching experience in journalism as well as experience with two college publications, a Missouri daily newspaper and the Associated Press.

She replaces Steve Monk, who became editor of "The Leader Reporter" at Graham in May.

"I would like to see 'The University Daily' recognized as a professional newspaper rather than just a college publication," Johansen said. "I've had several years of professional experience on a daily newspaper and I've worked with students, too, so this job should be a combination of both. This is something I've always wanted to do."

Johansen served as reporter and assistant to the editor of the "Daily News Bulletin" in Brookfield, Mo., from August 1974 to May 1976. She became interim head of the Journalism Department at Northwest Missouri State University in June 1974 and spent 1976-78 as newspaper adviser and English and journalism instructor for the

-more-

American Cooperative School in West Africa. For more than five years she was a high school newspaper and yearbook adviser and English and journalism instructor.

She also designed, wrote and provided photographs for a public relations brochure for Houser Electric Company.

Johansen was graduated with honors from Northwest Missouri State University in May 1968 with a Bachelor of Science degree in education and a minor in English-journalism. She later obtained a Master of Arts in English with journalism concentration from the same institution.

"I've taught journalism to high school students for six or seven years, but I wanted to move up to the college level," Johansen said. "Most college students are already familiar with the basics of journalism, so my job is to work with them on an in-depth basis and help them to become a little more professional."

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CONTACT: B. Zeeck

LUBBOCK--New computer facilities for Texas Tech University and the TTU Health Sciences Center (HSC) broaden computer capability, open new doors to non-users and offer processing speeds that are at least seven times faster than before.

The Computer Center has installed an ITEL AS/6 computing system to replace its saturated IBM 370/145 system, which was moved to the Health Sciences Center to help satisfy its growing needs.

Investment in the new system--including satellite facilities within the various colleges to allow remote job entries--was in excess of \$2 million. Kenneth W. Thompson, vice president for finance and administration, said the sum is comprised of a combination of funds, mostly end-of-the-year reserves, private gifts and interest earnings.

The Health Sciences Center also helped with the purchase and will use the ITEL system as well as the IBM system now in its building, Thompson said.

A major reason for considering the ITEL system, made by Hitachi in Japan, according to the Computer Center interim director, Herman Phillips, was that it is compatible with the IBM system. Consequently the switch-over costs of time and money were greatly reduced.

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Dr. Jerry D. Ramsey, associate vice president for academic affairs, said ITEL made the low bid in the competitive bidding process.

The rate of increase in speed, in some special cases as much as 16 times faster, depends upon the individual program. The information storage capacity is increased, but more than that, user access to the computer will no longer require a trip across campus or the shipment of cards to and from the Computer Center building.

Ramsey said that a mess of terminals is being distributed among college deans and that clusters of terminals will be in the Computer Center as well as across campus in the Business Administration Building. These terminal clusters will serve academic users.

Fewer than 10 departments within the university were non-users of the computer system during the last academic year. Faculty and students in music, English and home and family life were using the facilities along with engineering, business administration and agricultural sciences users. The College of Education and the School of Law are academic users.

The Computer Center is used by the university administration in financial, personnel, housing, inventory and other areas. Registration of the 22,500 students is accomplished by computer, and the Library uses it on a regular basis.

The Athletic Department and Cultural Events, the Textile Research Center and the University Counseling Center depend upon it.

Six departments of the Health Sciences Center are academic users, and Pathology in the Health Sciences Center Hospital uses the university's computer services. In addition the HSC administration has multiple uses for the system.

Because of the heavy usage, Ramsey said, the old computer posed constraints on the faculty, both as researchers and teachers. There were delays that caused discouragement. With the new facilities, things are changed and changing, and users like what they are getting.

"The response has been very positive," Ramsey said, "especially in regard to speed and accessibility."

To encourage faculty who might have become discouraged with the old system, Ramsey said that educational and research support will be increased.

The center will provide instruction for using the facilities. Benefitting will be users who want to take advantage of the increased capability of the system and people who have not previously used the computer because of unfamiliarity or because of unacceptable delays. Also available will be professional programming support to assist in planning a computer program to produce the most effective results.

Some of the educational work by Computer Center staff will take place at the center but in some cases instructors will meet with cluster groups at the satellite centers.

Ramsey said that satellite terminals will be allocated on the basis of geography and usage. Colleges within "a stone's throw" of the Computer Center would not need as many terminals as more distant colleges. Also the heaviest users would be allocated more terminals.

"This is flexible," he said, "and allocations will be adjusted to help satisfy the needs of each of the colleges."

computer/add three

While some charges for usage have been increased, these are based on computer time used, and so costs to perform specific tasks on the new system are about the same as before.

Considering the rate of increase in computer usage and anticipating that the rate could escalate, Ramsey said the new system should adequately serve the campus community for approximately five years.

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18-8-23-79

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CONTACT: Dan Tarpley

CANYON--An advanced graduate class in educational supervision leading to a supervision certificate will be offered again this fall at West Texas State University, Canyon, in cooperation with Texas Tech University.

Registration will be from 7-8 p.m., on Sept. 6, in room 110, USC Building, West Texas State. The class is open to all students of graduate status. The course is Supervision Skills Laboratory, (EDAD 5316).

Texas Tech course offerings leading to certification in supervision are in conjunction with courses at West Texas State. Initial classes are taken at West Texas State and the remaining offered by Texas Tech at WTSU. Completion of the program leads to a certificate in supervision.

Persons interested in more information about the course and supervision certificates are invited to the Sept. 6 meeting. Classes will meet on Mondays from 6-9 p.m. with the first meeting on Sept. 10.

-30-

17-8-22-79

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CONTACT: Dan Tarpley

LUBBOCK--An advanced graduate class in educational administration will be offered at Western Texas College, Snyder, from 6-9 p.m., Thursdays. Registration and the first class will be conducted in the Board Room at the Administration Building on Sept. 6.

The course, Administration of School Business Services (EDAD 5320), will be taught by Dr. Berlie J. Fallon of the Texas Tech University College of Education faculty. It is centered on the internal business management of schools, including activity funds, teacher welfare, special services, cafeteria management, transportation, purchasing and accounting.

The class is open to all students of graduate status. Course credit can be applied to a program of certification in administration.

Persons interested in registering or obtaining more information should attend the meeting of the first session on Sept. 6 at Western Texas College.

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CONTACT: B. Zeeck

LUBBOCK--A few bones, a fist-size rock and a few chipped flat stones added up this summer to significant history of man on the southern Great Plains.

The discoveries at the Lubbock Lake Site add to proof that aboriginal mankind knew how to deal with a harsh and changing environment, living in harmony with it and surviving despite vicious dangers and disastrous drought.

The bones discovered were particularly important at the Clovis level, marking lifeways 12,000 years ago. The fist-size rock turned out to be a pounding stone, probably used in butchering.

The flat stones included a tool from the Archaic level, about 5,000 years old, and this has caused great excitement among scholars interested in that particular period. Only at the Lubbock Lake Site has there been evidence of middle Archaic man excavated on the High Plains of Texas.

Dr. Eileen Johnson, director of the Lubbock Lake Site research project, explained that this is "extremely important" to scholars because many thought the area might have been completely abandoned during that period because of severe climatic conditions.

"The record at the Lubbock Lake Site indicates that the population may have been reduced, but the site was not abandoned," she said.

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Studies indicate that the period might have been one of severe drought, and this might account for the population decrease, in Johnson's view.

The remains of one rodent found at the Archaic level was that of a gopher known to be the best adapted to arid conditions.

The 1979 dig closed Aug. 18, with materials retrieved from the site removed to The Museum of Texas Tech University where a National Science Foundation grant will support detailed analysis leading to an understanding of the cultures which developed at the site and the environmental conditions shaping those cultures.

The Moody Foundation has supported the 1979 dig. That grant was made through the Lubbock Lake Site Development Corporation to The Museum.

In addition to the Archaic stone tool, archeologists uncovered two flaked tools about 8,500 years old, from the Firstview level, earlier than the Archaic period but later than the Plainview era.

At the Clovis level, about 12,000 years ago, they discovered the humerus of a prehistoric cat, about twice the size of the modern mountain lion; a bear bone tool, the proximal end of a radius of the *Arctodus* more than twice the size of the modern grizzly bear; a pounding stone, the size of a big man's fist; a mammoth bone tool; a flake from the bone of a mammoth, particularly valuable as representative of that culture; and a turkey bone from the late Pleistocene epoch.

The cat bone, the first found at the site, was that of a saber-tooth tiger, an American lion or a giant jaguar. It and the turkey bone must await further study before scientific identities can be assigned. The bear bone tool was more readily identified.

The tooth of the ancient Arctodus was found during an earlier dig and it has been positively identified. Its discovery marked the first time Arctodus has been found in association with man.

"With our first discoveries, we could know that the bear had been skinned," Johnson said, "but our new discoveries tell us that the animal was butchered and, after the meat was torn away, the bones were used to fashion this tool at least and probably others."

In addition to digging for evidence of man's activity, scientists at the site this summer made intensive soil and geological studies. Vance Holliday, field supervisor for the project, was in charge of the soil studies. Curtis Welty was field geologist. Both were working to reconstruct the kind of physical environment and changes that affected human cultures.

"Man has left us little evidence of prehistoric times," Johnson said, "but with what we are discovering, we can see that aboriginal man survived by finding a harmony with his environment. As it changed, cultures changed. Few may want to go back to aboriginal lifeways, but some consideration for the harmony between man and environment is necessary for survival."

Because environment shapes cultures, emphasis in the Lubbock Lake Site research project has dealt with the changing environments there. Soil dug at the site is washed through screens to retrieve small particles of evidence. These, along with the bigger finds, are analyzed in the laboratory during the winter months.

"It is this comprehensive study that helps us interpret and understand the cultures at the site," Johnson said.

Cutlines-----

ARCHEOLOGICAL HARVEST--The 1979 dig at the Lubbock Lake Site produced these archeological prizes, left to right: top row--tool fashioned from the bone of the ancient bear, Arctodus; humerus of a prehistoric cat twice the size of the modern mountain lion; tool made from mammoth bone and a pounding stone used by man 12,000 years ago to butcher game; bottom row--two flaked tools from the 8,500-year-old level called "Firstview"; a 5,000-year-old tool made by Archaic man; a turkey bone from the late Pleistocene epoch; and a mammoth bone flake from the Clovis level. (TECH PHOTO)

Cutlines-----

OVAL ROCKS AND OPEN SPACES--Jeanette Spehr Cole, whose thesis exhibit opens at The Museum of Texas Tech University on Sunday (Aug. 26), explains that her work was inspired to a large extent by the flat oval rocks she picked from West Texas stream beds and from the spaciousness of the West Texas landscape. The artist will be present for a reception from 2-4:30 p.m. Aug. 26 at The Museum.

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CONTACT: Doug Simpson

LUBBOCK--Registration at Texas Tech University for the 1979 fall semester will be Aug. 30-31 in the Lubbock Municipal Coliseum.

Registration packets and schedules of classes have been mailed to all students enrolled at Texas Tech during the 1979 spring semester or summer session, according to registration officials.

Students will register from 8 a.m.-5 p.m., Aug. 30, and from 8 a.m.-6 p.m., Aug. 31. Entering freshmen who have been admitted to the university but did not attend a pre-registration conference may pick up registration packets from 8 a.m.-5 p.m. Aug. 27-31 in the Coronado Room of the University Center. These packets will enable entering freshmen to register at their convenience Aug. 30-31.

Students planning to register for the fall semester must consult their advisors and have schedule cards approved before entering the Coliseum.

Late registration will be Sept. 4-19. Students registering Sept. 12-19 must have prior approval of their academic dean. Students may register on these dates through their department and the Office of the Registrar, 128 Doak Hall.

-more-

fall registration / add one

Continuing Education Registration for students planning to enroll in six hours or less of night courses will be Aug. 24-25 and 27-28. Registration will be from 12 noon-8 p.m. on all of the days except the 25th, when registration will be from 8 a.m.-12 noon in Building X-15 of the Texas Tech campus.

Enrollment for the fall of 1978 reached 22,696 students. A total of 20,642 students were enrolled at Texas Tech in the spring of 1979.

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12-8-21-79

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CONTACT: Doug Simpson

LUBBOCK--Texas Tech Students, Lubbock citizens and South Plains residents may see more than just another sporting event when Texas Tech's Red Rollers meet members of Metro Lions Club in a wheelchair basketball contest on Tuesday (Aug. 28) in the University Women's Gym.

To those involved in the contest, it represents a chance to advance the concept of participation in sports among physically disabled persons and to enhance Texas Tech's reputation for support in such endeavors.

"The game will be a building experience for a growing team," said Trudy Putteet, assistant to the director of Student Life at Texas Tech. "It will be one way people may see people with disabilities in action--and that's important."

The contest will be in the form of a demonstration, and its goal is to introduce wheelchair athletics to Lubbock and area citizens. Proceeds will benefit the Lions Crippled Children's Camp. Tickets for the 7:30 p.m. game may be purchased for \$1 from Metro Lions Club members or any member of the Red Rollers.

"Any enthusiasm or support we can generate for the team would be tremendous," Putteet said. "Anyone who is interested in joining the team is more than welcome."

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Texas Tech's wheelchair team is a member of the four-team Inter-Collegiate Wheelchair Basketball Conference. The University of Texas at Arlington, The University of Texas at Austin and the University of Houston are other members.

Texas Tech was asked to join the conference this summer after a meeting of all teams in the league. The Red Rollers will participate in a pre-conference tournament in Houston Sept. 14-15, which essentially, Putteet said, is the method by which Texas Tech may officially be admitted to the conference.

"The team hopes to be playing a full schedule by next year," Putteet said.

The Red Rollers began practicing for competition in the early stages of their development in February. Barbie Dickensheet of International Programs, Texas Tech University, said the concept of a wheelchair basketball team at Texas Tech originated in the fall of 1978.

"We've come a long way since then," Putteet said.

Don Murray, one of Texas Tech's top players, has won several gold medals and other awards in wheelchair basketball competition in Denver, Colo., and California.

Wheelchair sports began in the early years following World War II. For the past quarter of a century physically disabled persons have been playing wheelchair basketball and using bowling lanes across the nation. Since 1957 men and women have been competing in field events, racing, swimming, archery, table tennis and bench press weight-lifting.

For recreation or serious competition there is a place for anyone who is interested, Putteet said. Many people who do not need to use a wheelchair daily but still cannot compete in active sports are eligible. Some top competitors limp through daily life, but when firmly seated in a wheelchair they are able to perform amazing athletic feats.

Information concerning wheelchair athletics may be obtained from the Office of Student Life, 163 Administration Building, Texas Tech University. Information about tickets to the game between the Red Rollers and Metro Lions Club may be obtained from Keith Polk at (806) 795-4941 and (806) 765-6339.

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CONTACT: B. Zeeck

LUBBOCK--Dr. Harry W. Parker of the Texas Tech University chemical engineering faculty will begin a leave of absence Sept. 1 to join the Engineering Societies Commission on Energy Inc., where he will serve primarily as consultant and adviser to the U.S. Department of Energy (DOE) in the areas of coal, oil shale, petroleum and natural gas.

The commission (ESCOE) of Washington, D.C. is a non-profit corporation established by professional engineering societies to provide independent, objective assessments of federal government energy research and development programs.

Its staff evaluates the design and economics of alternative new energy technologies; conducts economic evaluations of processes, techniques, systems, methods and equipment to determine potential for commercial application; and develops methodologies for comparing the relative merits and costs of disparate technological alternatives.

The engineers-in-residence serve for approximately two years. The results of their studies are made available to the government, technical community and the general public.

Parker joined the Texas Tech faculty in 1970. His research interests have included enhanced petroleum production methods, use of oil shale, small gas producers for agricultural power, conversion

of woody residues to animal feeds by thermochemical methods, and the economics of energy production.

Parker earned the bachelor's degree with honors in 1953 at Texas Tech University. He earned the master's and doctor's degrees in chemical engineering at Northwestern University. For 14 years he worked in energy related research for the Phillips Petroleum Co. During that time he was the inventor on more than 80 U.S. patents, largely in the field of enhanced oil recovery.

In addition to his teaching he has developed more than 25 lectures and publications on energy topics during the past two years. He is a member of the American Institute of Chemical Engineers and the Society of Petroleum Engineers of the American Institute of Mining, Metallurgical and Petroleum Engineers.

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10-8-21-79

EDITOR'S NOTE: Parker is the son of Mrs. A.D. Parker of Tulia.

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CONTACT: B. Zeeck

ATTENTION: Building and Real Estate Editors

SUGGESTED RELEASE DATE: Sunday, Aug. 26

LUBBOCK--Texas Tech University this fall will offer an evening course on cost estimating expected to be of special interest to those in the construction industry--engineers, architects, developers, investors, material suppliers, home builders and buyers.

The course (CET 4312-2) will emphasize cost estimating and accounting. Among the fundamentals included are basic engineering and architectural design with corresponding specifications, measuring and pricing, preparation and submitting of a bid, contract documents, project management and job completion. This marks the first time the course has been offered in the evening.

Students will be assigned practical problems with a mock bid letting at the end of the course. The instructor will be Dan Atcheson, professional construction estimator practicing in the Lubbock region. He holds two copyrights for mathematics publications and has developed and used computer programs for estimating in diverse areas.

A 1969 Texas Tech graduate, Atcheson has been a teacher, architectural draftsman, plumber's apprentice and electrician's apprentice as well as an estimator.

-more-

cost estimating/add one

The construction engineering technology course will meet from 6 - 7:30 p.m. Tuesdays and Thursdays in room 205 of Engineering Center. For more information contact Assistant Dean Fred D. Wagner Jr. of the College of Engineering (806) 742-3456.

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9-8-21-79

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CONTACT: Pat Broyles

ATTN: Public Service Directors (Kill Sept. 6)

30 seconds

LUBBOCK--FOR THE LATEST INFORMATION ON "GASOHOL KNOW-HOW"
ATTEND THE GASOHOL WORKSHOP, SEPTEMBER 6TH AT THE LUBBOCK
MEMORIAL CIVIC CENTER. THE TECHNICAL SESSIONS OF THE CONFERENCE
WILL DEAL WITH ALL THE MAJOR PROBLEMS RELATED TO GASOHOL PRODUCTION
AND MARKETING. KEYNOTE SPEAKER WILL BE STATE REPRESENTATIVE DAN
KUBIAK, KNOWN AS "MR. GASOHOL" FOR HIS SUPPORT OF THIS NATURAL
ENERGY SOURCE. FOR INFORMATION CONTACT THE CENTER FOR ENERGY
RESEARCH AT TEXAS TECH AT (806) 742-3553 OR THE TEXAS FARMERS
UNION AT (817) 772-7220.

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7-8-21-79

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CONTACT: Dan Tarpley

LUBBOCK--Two oil company executives with petroleum engineering backgrounds, a California medical doctor, and a Lubbock nutritionist have been named 1979 "distinguished alumni" of Texas Tech University.

The four, Charles Robert Black of London, England, president and general manager of Texaco Iran Ltd.; Roy Butler of Ardmore, Okla., president of Noble Affiliates Inc.; Dr. Scott M. Grundy, chief of the metabolic section of the Veterans Administration Hospital in San Diego, Calif.; and Dr. Mina Wolf Lamb of Lubbock, professor-emeritus of food and nutrition at Texas Tech, will be recognized at the 13th annual "Distinguished Alumnus" banquet at 7 p.m., Friday, Sept. 7, in the University Center Ballroom. The annual recognition dinner is sponsored by the Texas Tech Ex-Students Association and Texas Tech University.

Names of recipients and plans for the dinner were announced by Bill Dean, executive director of the Ex-Students Association, and Tom Craddick of Midland, Ex-students president.

A petroleum engineering graduate in 1958 and native of Abilene, Black will be cited for "a distinguished career with Texaco Inc., beginning as a field engineer in Hobbs in 1958 and working up through various engineering positions into management."

-more-

distinguished alumni/add one

In 1974 he was named assistant to the vice president in the Producing Department (Eastern Hemisphere), then manager of Middle East Operations in 1976. Seven months later he was made president and general manager of Texaco Iran Ltd. based in London.

Butler, native of Rising Star, Texas, is destined to take over the appointed position of chief executive officer of Noble Affiliates Inc. on Jan. 1, 1980.

He received the bachelor's degree in petroleum engineering in 1949 and the master's in geology in 1950, both from Texas Tech, then began his engineering career with Continental Oil in 1950. Five years later he joined Samedan Oil Corp. and worked out of Ardmore in oil and gas producing areas. After becoming president in 1965, he remained with the company until 1974. He was then named executive vice president of Noble Affiliates, Samedan's parent company.

He has been active in civic and church affairs, including service as a member of the board of commissioners and mayor of Ardmore. He was designated a "Distinguished Engineer" by Texas Tech in 1971.

Grundy is nationally and internationally recognized as an authority in the field of sterol metabolism, particularly as it relates to clinical problems. He is a 1955 graduate from Texas Tech and received the M.S. and M.D. degrees from the Baylor College of Medicine, where he was graduated with honors in 1960. He completed Ph.D. requirements at the Rockefeller University in 1968.

He has held academic positions with Baylor College of Medicine, the Rockefeller University and now serves as professor of medicine in residence to the University of California in San Diego.

Much of Grundy's research was done while he was chief of the Phoenix clinical research section of the National Institute of Arthritis, Metabolism and Digestive Diseases, Phoenix Indian Medical Center, from 1971-73.

Lamb, who has devoted her life toward promoting better health through better nutrition, is a 1932 graduate of Texas Tech with a degree in chemistry and received the master's degree in food and nutrition in 1937, the first such degree offered by Texas Tech's College of Home Economics. Her Ph.D. work was done at Columbia University.

She became a member of Texas Tech's Food and Nutrition faculty in 1940 and assumed the chairmanship in 1955, a position she held until 1969. For the next six years Dr. Lamb served as the first Margaret W. Weeks Professor of Home Economics and became a professor-emeritus in 1975.

Her lifelong campaign for nutrition education and better eating habits has taken her to all parts of the state of Texas, and 16 other states. At the international level the Texas Tech nutritionist has served as a speaker, committee member or consultant in Hamburg and Hanover, Germany; Monterey, Mexico; and San Juan, Puerto Rico.

Lubbock television executive Bill McAllister will be master of ceremonies. Presentation of citations and plaques will be by Frank Junell of San Angelo, former Texas Tech regent, to Black;

distinguished alumni/add three

Ray Butler of Alice, named "distinguished engineer" in 1975, to Roy Butler; chemistry Prof. Margret Stuart and Joe Dennis, chemistry professor-emeritus to Grundy; and Home Economics Dean-emeritus Willa Vaughn Tinsley of Lubbock to Lamb.

Interim President Lawrence L. Graves will present medallions to recipients of the Distinguished Alumnus plaques. Craddick will make introductions.

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8-8-21-79

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136
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ATTENTION: Fine Arts Editors

LUBBOCK--An exhibit of paintings and drawings strongly influenced by West Texas open spaces and stream beds will open at The Museum of Texas Tech University on Sunday (Aug. 26).

The public is invited to meet the artist, Jeanette Spehr Cole, at a reception for her from 2 - 4:30 p.m. at The Museum on the day of the opening.

Cole calls the exhibit "Oval Rocks-Open Spaces," and much of it was inspired, she said, by the flat oval rocks she picked from West Texas stream beds and from the spaciousness of the West Texas landscape.

Familiar in many of the works also is the shape of a platform, sometimes appearing as a land form, sometimes as the picnic table at which she often worked.

The show is Cole's thesis exhibit, a part of the requirements for her master of fine arts degree on which she has been working at Texas Tech University.

In the exhibit are some large oil paintings, watercolors, colored pencil drawings and works using both colored pencils and air brush.

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"I like working with illusions," Cole said and added that she found the rocks and spaces depicted in her works could take on a variety of meanings, depending partly upon the artist's interpretation and also on the viewer's perception.

Cole earned the bachelor of fine arts degree at the University of Nebraska. At Texas Tech she has taught art history and drawing.

At the University of Nebraska she was director of the Jubilee Art Workshop from 1974 to 1976 and developed a program of 30 videotapes and accompanying materials for educational television.

Her work has been shown in numerous juried exhibitions, and she has won awards in the 1979 Little Rock Drawings and Crafts Exhibition, the 1979 Texas College Art Show and in the 10th annual Southwest Exhibition at the Museum of the Southwest in Midland, 1976.

In 1978-79, her work has been shown in several group exhibitions: the Lubbock Arts Festival Gallery Exhibit, Texas Tech Faculty Exhibit, the Mississippi Women's University Invitational Works on Paper, the San Antonio College Invitational Drawing Show and the Texas Tech Faculty Traveling Exhibit of Works on Paper.

The artist, who is widely traveled, has visited and studied in the United States, Africa, Europe and South America.

Her parents, the Rev. Otto Spehr and Mrs. Spehr, live near Falls City, Neb. Her father is pastor of Lutheran churches in Falls City and Verdon. The artist's husband, J. Russell Cole, is a resident of Lincoln, Neb., where the couple made their home before Mrs. Cole entered graduate school at Texas Tech.

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CONTACT: Dan Tarpley

LUBBOCK--Dr. Grover E. Murray, past president of Texas Tech and University Professor, has been awarded the Antarctica Service Medal of the United States of America by the National Science Foundation (NSF).

The presentation was "in recognition of his valuable contributions to exploration and scientific achievement under the U.S. Antarctic Research Program." (USARP).

Murray, vice chairman of the National Science Board (NSB) and an internationally known geologist, has been an active supporter of USARP since his appointment to the board in 1968. During this time he has participated in four of the NSB's site visits to Antarctica as part of the board's oversight responsibilities of the program. The NSB is the policymaking body of the NSF and, among other functions, funds and manages USARP. NSF support of U.S. research in Antarctica has been the source of a large portion of the present knowledge of the continent and its surrounding seas.

The award was made by Dr. Norman Hackerman, NSB chairman, at its 208th meeting on Aug. 16 at NSF headquarters in Washington, D.C.

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The 86th Congress on July 7, 1960, by Public Law 86-600 established the Antarctica Service Medal. Upon approval of the Secretary of Defense, it may be presented for the purpose of publicly recognizing and rewarding outstanding and exceptional service on behalf of USARP.

In November 1978 Murray Foreland on the northern end of Martin Peninsula on the coast of Marie Byrd Land in Antarctica was named in honor of Dr. Murray.

During his 10-year presidency of Texas Tech and the Health Sciences Center the university fielded a number of geological parties in Antarctica under USARP.

Murray is vice president and president-elect of the American Geological Institute and past president of the American Institute of Professional Geologists. He has served as editor and president of the Society of Economic Paleontologists and Mineralogists, as editor and president of the American Association of Petroleum Geologists, and as a member of the Council of the Geological Society of America.

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CONTACT: Nancy Lovell

LUBBOCK--Texas Tech University School of Law will register first-year students on Tuesday (Aug. 21) and advanced students on Aug. 27.

Orientation for first-year law students will be conducted Aug. 21-24 and classes for all law students will begin Aug. 27, according to Ann Burbridge, registrar.

Approximately 225 first-year law students are expected this fall, Burbridge said, 20 of whom began class work during the summer session.

Total enrollment for the Law School is estimated at 575.

Persons interested in taking the Law School Admission Test (LSAT) to be administered on Oct. 13 in the Texas Tech Law School should register for the examination by Sept. 14, Burbridge said.

LSAT tests are administered in October, December, February, April and June every year. Deadline for registration for tests is one month prior to the corresponding test date.

Cutline-----

CONOCO GIFT TO TEXAS TECH--Wesley Rice, left, coordinator of computer systems in the Exploration Research Division of Ponca City headquarters of Conoco Inc., and Prof. D.H. Shurbet, director of Texas Tech University's seismological observatory, have a look at a seismogram on a seismic recorder in the Texas Tech facility. Rice delivered a \$3,500 grant to Shurbet for educational use associated with the observatory. (Tech Photo)

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CONTACT: Dan Tarpley

LUBBOCK--Texas Tech this week received a \$3,500 grant from Conoco Inc. for educational use by the university's seismological observatory.

The check was presented by a Texas Tech 1961 graduate in mathematics and geophysics, Wesley Rice, coordinator of computer systems in the Exploration Research Division, Research and Development Department, Ponca City, Okla., headquarters of Conoco. It was accepted for Tech and the seismological observatory by Prof. D.H. Shurbert, observatory director.

Rice was associated with the seismological observatory when he was a student at Texas Tech. He is president-elect of the Oklahoma chapter of the American Statistical Association and a member of the Society of Exploration Geophysicists.

"Conoco has been supportive of our observatory in times past, not only with grants but also by employing our graduates and providing counsel in operations and help in securing equipment. Without such help from outside sources and the commercial sector, we could not continue to operate projects such as Texas Tech's seismological observatory," Shurbet said. "We are dependent upon their good will and support."

SPECIAL TO THE SOUTH WALES EVENING POST

CONTACT: Jean Terrell

LUBBOCK, TEX.--Little about Eluned Jones's appearance distinguishes her from hundreds of other pretty young women on the campus of Texas Tech University in Lubbock, Texas. Dressed in jeans and a western style shirt, her long, blonde hair swinging in the West Texas wind, she seems perfectly at ease in her surroundings.

But when she speaks, one difference becomes apparent. She speaks not with the slow, flat drawl of a native West Texan, but with the lilting accent of the Welsh. Eluned Jones is a long, long way from her ancestral home in South Wales.

Jones arrived on the Texas Tech campus in June to begin working toward a doctoral degree in horticulture and agricultural economics. She thinks West Texas is "very flat and very large." Just how flat and how large it really is, she is experiencing vividly.

Her summer job with Dr. Arthur Stoecker, an agricultural economist jointly employed by Texas Tech University and the Texas Agricultural Experiment Station in Lubbock, requires that she spend a great deal of time on Texas highways. She travels a 54-county area extending from the northern border of the Texas Panhandle southward to Fort Stockton, a distance of about 400 miles. Her only company is the citizens band radio in her car, with which she talks to other Texas travelers, using the handle (call name) "Welsh lady."

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She drives through a semi-arid land, sprinkled with towns having names like "Levelland, Plainview, Brownfield, Roaring Springs, and Big Spring"--names that reflect the topography of West Texas and the concern West Texans have for water.

The region is one of the prime agricultural production areas of the world, but dependent on irrigation from the underground aquifer called the Ogallala. The Ogallala is slowly being used up, and what will happen to West Texas as a result is a concern of Stoecker and his research associate, Eluned Jones.

They are tracing the economic chain reaction of revenues and expenses in the 54-county area. Jones interviews West Texas businessmen to get data on the amount of their revenues and expenses that are related to water or energy. The collected data will be organized into an "input-output model" indicating cash flow into and out of businesses and how all types of business and industry are interrelated, how they are dependent upon water and energy, and how they are connected to state, national and international markets.

In September she will give up her job "riding the range" and settle into a more conventional classroom routine, although, her "classroom" may often be a field of potatoes. For her doctoral research project she plans to determine exactly the optimum amounts of irrigation, rates of seeding and amounts of fertilizer needed to produce the most potatoes possible on a given acreage. On this project she will be working with Dr. John D. Downes of the Texas Tech plant and soils science faculty.

Jones is a vegetable field production specialist with a secondary interest in agricultural economics. She is a graduate of the University of Bath, where she was graduated with an Upper Second Class honors Bachelor degree in horticulture.

In addition to agriculture, Jones has a special interest in folk music. She and her family have always been involved in Welsh folk culture and folk music and are members of Welsh and English folk dance societies. In fact, it was her interest in folk music that indirectly led to her decision to come to the United States.

While serving as a guide for a folk culture tour of England, she met an American folk dance team from North Carolina. She became fast friends with some of the team members, and before they left England they suggested she come to North Carolina. Half jokingly, she said she would do so if they could arrange for her to get a job that would count as a third year industrial placement for her University degree. The next year, 1976, she was offered such a position. That season she produced six acres of vine-ripened trellis tomatoes in the mountains of North Carolina, then returned to Britain to finish her work at Bath.

In 1977 she began work toward a master's degree at North Carolina State in Raleigh, N.C. While there, she worked with Dr. Gene A. Mathia, who last year became chairman of the Department of Agricultural Economics at Texas Tech. When the need arose at Tech for someone with a strong production and economic background, Mathia remembered Jones and asked her to come to Lubbock to study.

So, after piling all her belongings into a rental truck and installing a citizens band radio in case of emergency, she set out across the southern United States to Texas.

She left behind good friends in North Carolina where she had continued her interest in folk music by playing bass fiddle with a country and western band. But now she is making new friends in West Texas--all 54 counties of it. She said she hopes that this fall she will have time to see a rodeo and to find some way to become involved with Texas music.

She is looking forward to the Christmas holidays. She and her parents have made plans to meet at a folk workshop at Berea College in Kentucky. Her father, T. Gruffydd Jones, is originally from Aberdare, Wales. He is a lecturer at Lanchester Polytechnic. Her mother, Elizabeth S. (Nan) Jones, is from Hirwaun. She is headmistress of an infant school at Lutterworth.

Jones plans to complete her doctoral degree at Texas Tech and then becomes an international agricultural consultant. She wants to work both in the United States and in the United Kingdom.

Cutlines-----

WELSH RESEARCHERS STUDIES POTATO CROP--Eluned Jones, whose home is in South Wales, is studying potato production as a part of her graduate studies at Texas Tech University, located at the southern end of the Great Plains of North America. The potatoes she holds came from a crop used for research. (TECH PHOTO)

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20-8-24-79

Cutlines-----

TEXAS TRAVELER--Eluned Jones, whose home is in South Wales, embarks on the first leg of a 54-county research trip related to a Texas Tech University agricultural economics study. While traveling she uses the citizens band radio call name of "Welsh Lady." (TECH PHOTO)

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21-8-24-79

Cutlines-----

TRACTOR DRIVING LASS--Eluned Jones, Texas Tech University graduate student in agricultural sciences, is silhouetted against the big West Texas sky as she guides a full-size tractor through the field. She is a graduate of the University of Bath and has studied at North Carolina State University as well as Texas Tech. (TECH PHOTO)

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22-8-24-79

Cutlines-----

BLACK-EYED PEA PATCH--Eluned Jones, who began her university studies in horticulture at the University of Bath, picks a few black-eyed peas in a research plot at Texas Tech University where she is working toward the doctoral degree in agricultural sciences. Her home is in South Wales, but she has been doing graduate work at North Carolina State University in the mountainous country of eastern United States and at Texas Tech located at the southern end of the Great Plains which stretch northward into Canada. (TECH PHOTO)

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23-8-24-79

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CONTACT: Dan Tarpley

LUBBOCK--Two doctoral candidates in counseling psychology this week were sworn in as second lieutenants in the U.S. Army to continue their work at Texas Tech University toward Ph.D. degrees with strong financial support from the Army.

Donna Waechter of 2902 Third Place, Apt. A-7, Lubbock, and Michael Hightower, 1401 West Holloway, Midland, accepted the oath administered by Brig. Gen. S.M. Kennedy, University Professor at Texas Tech and former vice president for Academic Affairs. The oaths were administered in ceremonies in the office of Gen. Kennedy on campus.

The two students will receive stipends of \$400 per month from the Army. The Army also will pay their tuition, fees and cost of books.

Texas Tech psychology counseling director Robert P. Anderson said the doctoral candidates, upon completion of their studies, would serve one-year internships, then go on active duty with the Army for three years. Waechter and Hightower will hold the rank of first lieutenant during their internships and captain during their active duty period.

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doctoral candidates/add one

Waechter received the bachelor's degree in psychology at Dickinson College, Carlisle, Pa., in 1976. She is a 1981 candidate for the Ph.D.

Hightower, son of Mr. and Mrs. L.W. Hightower, 1401 West Holloway, Midland, received the bachelor's degree in psychology from The University of Texas at Arlington in 1975. He is in his second year of doctoral work.

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27-8-24-79