

March
26-30,
1984

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CONTACT: Cheryl Duke

1-3-26-84

LUBBOCK--Writer and poet William Pitt Root will read from his works at Texas Tech University April 4.

The free public reading will be at 8 p.m. in the University Center Senate Room.

Root's books have been nominated for the Pulitzer Prize, American Book Award and National Book Award. In 1982, he received the Stanley Kunitz Award for poetry. He has received major grants from the Guggenheim and Rockefeller Foundations, Stanford University, and the National Endowment for the Arts.

In 1978-79 he received the prestigious United States/United Kingdom Bicentennial Exchange Artist Fellowship. He lived in London, Devon and Cornwall.

His poems have appeared in more than 150 periodicals, including The Atlantic, American Poetry Review, the Nation, the New Yorker, Harpers, Poetry, and TriQuarterly and in more than 40 anthologies.

Books by Root include Invisible Guests (1984), Selected Odes of Pablo Neruda (translations of the Nobel Laureate, 1983), Reasons For Going It on Foot (1981) and The Storm and Other Poems (1969).

Root will give workshops for English students during his Texas Tech visit which is sponsored by the English Department.

Texas Tech News

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

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CONTACT: Clifford Cain

2-3-26-84

LUBBOCK--Open communication between scientists of all countries is necessary for scientific research to continue, according to the president-elect of a national science association.

Gerard Piel, 68, president-elect of the American Association for the Advancement of Science (AAAS), will open the 60th annual meeting of the Southwestern and Rocky Mountain (SWARM) Division of the AAAS when it meets Wednesday (March 28) through Saturday (March 31) at Texas Tech University.

About 400 SWARM members will meet at Texas Tech to discuss research in the physical, natural and social sciences.

The sessions in the Texas Tech University Center also will involve the AAAS Committee on Desert and Arid Zones Research, the New Mexico Academy of Science and the Southwestern Comparative Psychology Association.

Registration for any session is open to the public.

"The worst thing you can do is cut off scientist-to-scientist contact and collaboration," said Piel, publisher of Scientific American magazine. "That's why Scientific American went straight into the Soviet Union with all of the problems.

"The people that we're talking to and dealing with there really share our views and they need to have contact with the world outside," he said, "and the more of that contact they have the greater is their prestige at home."

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He said communication prevents people in authority from "turning off the publication of science and stopping the international communication of science. We've got people like that in Washington today, and that gives us good insight into the kind of people scientists have to deal with in other countries."

Piel said the scientific community also should become more involved in the economic development of the underdeveloped countries. "It's the other side of the coin of prevention of nuclear war," he said. "The tinder boxes all over the world are the poor countries which are manipulated by the superpowers."

"The more misery and disarray there is in those countries the more is the danger of a clash between the superpowers," he said.

Understanding and communicating science among all the world's peoples can prevent problems.

"Understanding the nature of the world we're living in would give you a different kind of foreign policy," Piel said.

He encouraged the AAAS and the world's scientists to remember the spirit in which the United Nations was first established.

"The most marvelous excitement that attended it was the creation of the associated technical agencies," he said. "These were enterprises of the scientists of the world, and they were the agencies that sounded the hope of the future -- that it was possible to set out to ignite self-sustained economic development."

AAAS sessions will involve 25 Texas Tech professors, including Dr. J. Knox Jones, vice president for research and graduate studies, who will welcome the participants to the university.

Piel has been publisher of the magazine since 1947 and will assume his AAAS office May 30. He will serve for three years successively as president-elect, president and chairman of the board.

He previously was science editor of Life magazine, 1939-44; and assistant to the president of the Henry J. Kaiser Co., 1945-46. He serves as a consultant to the North Carolina School for Science and Mathematics.

He received the UNESCO Kalinga Prize in 1962; Bradford Washburn Award, 1966; Arches of Science Award, 1969; Rosenberger Medal, University of Chicago, 1973; and the Henry Johnson Fisher Award, 1979.

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3-3-26-84

(MEDIA ALERT: A news conference for Astronaut Frederick D. Gregory has been scheduled for 2:30 p.m. Wednesday (March 28) in Room 129 Holden Hall. Gregory, who will give a free public lecture at 7 p.m. Wednesday in the University Center Theater, will pilot the Space Shuttle flight scheduled in November as second mission of the Spacelab program. Media representatives may park in the parking lot on north side of Holden Hall. For more information, contact Preston Lewis, University News and Publications, 742-2136.)

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CONTACT: Teresa Edwards/P. Lewis

4-3-27-84

LUBBOCK--Courses in behavior modification, computers, teaching careers and defensive driving will be offered by the Texas Tech University Division of Continuing Education in April.

Participants in "Eliminating Self-Defeating Behavior" will learn to replace behaviors such as worry, shyness, depression and loneliness with more positive behaviors. The workshop will be held 8:30 a.m. to 5 p.m. April 6, 1-6 p.m. April 7, and 9 a.m. to noon April 14. Cost is \$35 for Texas Tech students and \$50 for the general public. The workshop will be in McClellan-Continuing Education, Room 209.

"Writing with Sound: Dictation Techniques for Professionals" will meet 2:30-5 p.m. April 10 in McClellan-Continuing Education, Room 201. Business professionals will learn special uses of their dictation equipment for conference recording, note taking and meeting summarization. Cost is \$35.

Certified and licensed by the Texas Department of Public Safety, "Defensive Driving" will cover driving pointers, traffic tickets, accidents, drinking and driving, and other issues. Participants successfully completing the course may receive a discount on their car insurance. Class will meet 7-9 p.m. Mondays and Wednesdays, April 16-25 in McClellan-Continuing Education, Room 209. Cost is \$20.

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"Intermediate Computers for Children" will help 12 to 15 year-olds expand their programming skills using logical and spatial concepts. Class will meet 4:15-5:45 p.m. Mondays and Wednesdays, April 16 through May 2, in the Texas Tech Library basement. An optional lab will meet 4:15-5:45 p.m. Fridays. Fee is \$45.

Participants will learn to use a personal computer for maintaining budgets and other home financial records during "Electronic Spreadsheets." The class will meet 7-9:30 p.m. Thursdays, April 26 through May 24, at Entre Computer Center. Cost is \$125.

"Word Processing" will meet 7-9:30 p.m. Tuesdays, April 24 through May 22, at Entre Computer Center. Participants will learn to use a microcomputer for writing, editing and filing documents. No previous experience is necessary. Fee is \$125.

Designed strictly for beginners, "BASIC Programming I" will meet 9-11:30 a.m. Saturdays, April 28 through May 26, at Entre Computer Center. Cost is \$125.

Co-sponsored by the College of Education, "Workshop on Teaching Careers" will advise persons interested in entering the teaching profession. The workshop will meet 8:30 a.m. to noon April 28 in the Administration Building, Room 150. Cost is \$18.

For more information or to register, contact the Division of Continuing Education, Box 4110, Texas Tech University, Lubbock, Texas 79409, (806) 742-2354.

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CONTACT: Preston Lewis

5-3-27-84

LUBBOCK--Jennifer Cargill, acquisitions librarian at Miami University, Oxford, Ohio, has been named associate director of libraries for technical processing at Texas Tech University, effective June 1.

Texas Tech Libraries Director E. Dale Cluff made the announcement. He said Cargill will oversee the acquisition, processing, cataloging and bibliographic control of all materials purchased for the libraries.

Cargill previously has worked as assistant science librarian, Miami University; health sciences librarian and assistant acquisitions librarian, University of Houston; and library trainee, Louisiana State University.

She holds a master of science degree in library science from Louisiana State, a master of education in higher education administration from Miami University and a bachelor of arts degree in history from Louisiana Tech.

Her professional activities include membership in OHIONET Acquisitions Council, American Library Association (ALA) Reference and Subscription Books Editorial Board; ALA Council; and College and Research Libraries News Editorial Board. She also chairs the H.W. Wilson Library Periodical Award Committee and the Ohio Inter University Library Council Technical Service Group.

Cargill has written several articles and books. Her books include "Practical Approval Plan Management" and "Keeping Track of What You Spend." She is included in "Outstanding Young Women in America."

The Texas Tech Library houses more than 2.2 million units, including 1.03 million volumes, 500,000 government documents and 700,000 microforms.

CONTACT: Preston Lewis

6-3-27-84

ATTENTION: Petroleum Editors

LUBBOCK--More than 70 petroleum industry experts from Texas, Oklahoma, Colorado and Missouri will present papers at the 31st annual Southwestern Petroleum Short Course at Texas Tech University April 25-26.

The short course is sponsored by the West Texas petroleum industry and organized by the Texas Tech Petroleum Engineering Department.

Short course registration costs \$60 and is payable at the door. For additional information, write Southwestern Petroleum Short Course, P.O. Box 4099, Texas Tech University, Lubbock, Texas, 79409, or call (806) 742-3537.

Presentations will cover drilling and well completion, stimulation and workover, reservoir operations and formation evaluation, artificial lift, production handling, and general interest topics.

Program participants will include

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CONTACT: Terri Lloyd

7-3-27-84

LUBBOCK--A symposium addressing current issues concerning learning disabilities will be held in the Texas Tech University Center Ballroom April 5.

The symposium, sponsored by the Association for Students with Learning Disabilities (ASLD), the Texas Tech Student Association and University Center Programs, is open to the public free. Registration will begin at 1:30 p.m.

Topics and speakers for the symposium are: "Coping with Learning Disabilities" by Dr. Craig Swaner; "Current Litigation Pertaining to the Learning Disabled" by Catherine Dayle Bebee; "Current Legislation Affecting the Learning Disabled Population of Texas" by State Sen. John T. Montford; and a panel discussion moderated by Texas Tech education Professor Cleborne D. Maddux.

Panel members are: Bebee, Montford, Swarner, ASLD President Hal Cain and Roger Ruterford, director of special educators for the Lubbock Independent School District.

Swaner, part owner of Ogdon Growth, Development, Recreation, Inc., has worked with children and adolescents.

Beebe is executive director of Advocacy, Inc., a Texas non-profit corporation that implements the statewide Protection and Advocacy System for the Developmentally Disabled.

Montford serves on the Texas Senate Standing Committees of Education, Jurisprudence and Natural Resources.

CONTACT: Preston Lewis

8-3-27-84

ATTENTION: Petroleum Editors

LUBBOCK--A pictorial review of an American petroleum engineer in China will be the luncheon presentation at the 31st annual Southwestern Petroleum Short Course at Texas Tech University April 25-26.

Ed Poulter, a petroleum engineer and instructor at Midland College, will review his experiences in mainland China during the noon luncheon April 25 in the University Center Ballroom.

The two-day short course is sponsored by the West Texas petroleum industry and organized by the Texas Tech Department of Petroleum Engineering.

More than 250 representatives of drilling and producing companies from throughout the Southwest are expected to attend. More than 70 petroleum industry personnel will be involved in 43 paper presentations. Each paper will be presented both days of the conference by industry officials from Texas, Oklahoma, Colorado and Missouri.

Papers will cover drilling and well completion, stimulation and workover, reservoir operations and formation evaluation, artificial lift, production handling, and general interest topics.

Short course registration costs \$60 and is payable at the door. A bound copy of the proceedings is included in the fee. Luncheon tickets will be available at the door. The short course will run 8 a.m. to 5 p.m. each day in the University Center.

For additional information, write Southwestern Petroleum Short Course, P.O. Box 4099, Texas Tech University, Lubbock, Texas 79409, or call (806) 742-3537.

The 1984 short course program chairman is Tom Pugh of Halliburton Services in Midland. Program chairman-elect is Joe Hastings of ARCO Oil and Gas, Midland. General chairman is Mike O. Smith Jr. of Dresser-Titan in Midland. Petroleum engineering Professor Duane A. Crawford of Texas Tech is chairman of the board for the short course.

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CONTACT: Preston Lewis

9-3-28-84

LUBBOCK--Dallas trial attorney Windle Turley, a personal injury trial specialist, will deliver the annual lecture in trial advocacy during the honors and awards day April 6 at the Texas Tech University School of Law.

More than 40 law students will be honored during a 2:30 p.m. ceremony in the Law School Forum for outstanding scholarship, advocacy and writing.

Turley will speak at 1:30 p.m. in the Forum.

He is the head of a Dallas law firm with 21 attorneys handling plaintiff's personal injury and wrongful death law with particular emphasis on aviation, product failure, negligence and medical malpractice cases. The law firm has been active in the development of law and tort theories such as crash worthiness and handgun remedies.

Turley is a member of the Dallas, Texas and American Bar and Trial Lawyers associations. He is a certified personal injury trial specialist.

He earned his law degree from Southern Methodist University and his bachelor's degree from Oklahoma City University.

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CONTACT: Cheryl Duke

10-3-28-84

(MEDIA ALERT: Bill Hinds of Houston, cartoon artist for the comic strips "Tank McNamara" and "According to Guinness," both syndicated by Universal Press Syndicate, will be guest cartoonist for a Texas Tech University cartoon art class Friday (March 30). The media is invited to cover the session, 9:30 a.m. to 12:30 p.m. in Room B10 Art Building by Professor James D. Howze. You may ask questions and film the cartoonist during the flow of the class and talk with him during a break. Hinds will bring a lifesize magic marker drawing of the cartoon character Tank. Texas Tech basketball player David Reynolds will pose with the character during a break. Hinds is in partnership with Jeff Millar who writes the comic strip. The 15-member cartoon class is the first of its kind at Texas Tech. Students produce one cartoon unit -- a political cartoon, gag strip, or comic strip -- per week. For more information, contact Howze, 742-2944 or 795-7060.)

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11-3-28-84

ATTENTION: Agriculture Editors

LUBBOCK--Texas Tech University's participation in range management programs in Peru and Morocco links Texas and America to global agriculture and makes the citizens aware of the problems.

Texas Tech range and wildlife management Professor Fred C. Bryant says the projects under the U.S. Agency for International Development Small Ruminant Collaborative Research Support Program help make these countries and three others less dependent on the United States.

"The people we're helping are the poorest of the poor people in developing nations," Bryant said. "They can't afford cattle, so they're dependent on small ruminants, such as sheep and goats."

Texas Tech is one of 10 universities working in Brazil, Indonesia, Kenya, Peru and Morocco under the program.

Bryant, assistant to the dean of the College of Agricultural Sciences, said the university became involved in 1978 when it received seed money. The first program funding was for \$200,000 in 1979, and the budget has risen to \$290,000 per year with the addition of the Morocco project earlier this year.

Texas Tech's strength in range management was one of the reasons the university was asked to participate, said Bryant, Texas Tech's principal investigator since 1980.

"These projects get Americans interested in international agriculture which is important because America has the best agricultural technology in the world," he said. "But we can't be expected to do everything or to feed the world so we're teaching the people in these countries to help themselves."

He said the program establishes a link between a scientist in Peru and one at Texas Tech. The project also has involved three American graduate students and seven Peruvian or Latin American graduate students.

In addition, Texas Tech professors Ronald E. Sosebee, Frank Craddock and Arthur G. Matches, who holds the Thornton chair in plant and soil science, are working in Peru.

"The biggest plus is that we teach their scientists and train them so they can go back to improve conditions in their country," Bryant said. "Our investment in the country is in the productive life of that person, however long he or she lives."

When an institution starts work in a country, it identifies the research problems, limited goat and sheep production in Peru, for instance; designs the research to solve the problems; shares the funding with the host country; and provides on-site technical advisers, he said.

"All work is collaboratively linked to both other U.S. university scientists and those in the host country," Bryant said.

"Our work in Peru is a research project, not a demonstration team or extension service because we are taking technology developed in the U.S. and adapting it to researchable situations in Peru," he said. "The countries are responsible for developing their own extension service network and getting the idea to their people."

"Once they see the results, we hope the farmers and ranchers will accept the improvements, but it's a big risk because these people have an average income of \$250 per year and are living hand-to-mouth, so these countries are asking for a significant commitment from us," he said.

He noted the university's participation gives Texas Tech a "global identity" in range management.

"The Peru project gives Texas Tech a breadth of exposure that we have not had before and a chance to experience international agriculture," he said.

He said Texas Tech's work in Peru will help Texas sheep producers by providing basic information about sheep nutrition, stocking rates and short duration grazing.

Also the project has spawned a drought assessment team, involving Texas Tech professors Bill E. Dahl and Ronald Sosebee, which has been studying the severe drought conditions in Peru to find ways to respond to drought, he said.

In Peru, Texas Tech's researchers have been successful in improving the lamb crop from a 30 percent to 50 percent survival rate at weaning on traditional range grasses to an 80 percent to 100 percent rate, he said. Lamb birth weights have been increased from about 6 pounds to about 8 pounds.

Also by working with each town's producing cooperative, the researchers hope to improve production by changing stocking rates, grazing management through pasture rotation, and applying good animal husbandry practices, Bryant said.

He said Morocco differs from Peru climatically, 26 inches of rainfall per year in the Andes of Peru to as low as four inches in Morocco. In Peru, sheep are important for fertilizer for small gardens and not as much for meat or wool. Morocco is more traditional with production geared toward meat and fiber production second in importance.

Morocco's north coast is cultivated and planted in various crops, but the rangeland is sacrificed and abused from being overgrazed until the crops are harvested and the sheep are moved in after harvesting.

Most of Peru's rangeland is located in the high elevations (14,000 feet or more) of the Andes mountains, but the land has been overgrazed from "too many people having too many animals on too little available land," he said.

"In Peru and Morocco, we're interested in protecting the resources or improving them, such as solving the soil erosion and desertification problem in Morocco," Bryant said. "But the projects have global applications and go beyond international boundaries. The research in Peru is valuable to Chile, Bolivia and other countries along the Andes Mountain chain."

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12-3-28-84

(MEDIA ALERT: The Southwestern and Rocky Mountain (SWARM) Division of the American Association for the Advancement of Science meeting planners have scheduled a news conference for 2:30 p.m. Thursday (March 29) in the Executive Room, upstairs in the Texas Tech University Center. The news conference will allow members of the media to interview Dr. Mary K. Seely, director of the Desert Ecological Research Unit in Gobabeb, SW Africa/Namibia. She will be the featured speaker at the John Wesley Powell Memorial Lecture at 7:30 p.m. Thursday (March 29) in the Chemistry Auditorium. She will discuss "New Science in an Old Desert." About 400 SWARM members are attending the four day meeting. For more information, contact Clifford Cain, 742-2136.)

13-3-28-84

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ALPACA HERDS IN PERU--Texas Tech University is one of 10 universities participating in small ruminant programs in five countries, including Peru and Morocco. The university has been doing research in Peru since 1979. Texas Tech range and wildlife management Professor Fred C. Bryant, on horseback, watches over a small herd of Peruvian alpacas. Bryant is Texas Tech's principal investigator in Peru and Morocco. (TECH PHOTO)

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14-3-29-84

LUBBOCK--Television and film stars Richard Roundtree, Connie Stevens, Cindy Gibb and Richard Dean Anderson have announced they will be among Hollywood performers participating April 27-29 in the Texas Tech University Celebrity Tennis Tournament, benefitting the Texas Tech University Foundation.

A goal of \$250,000 has been established by the foundation for general scholarships, endowments and other areas of support for Texas Tech.

Weekend activities are being produced by Noval/Bucks Productions Inc. of Los Angeles. Producer Charles Bucks is a longstanding member of the Texas Tech President's Council and a Texas Tech Distinguished Alumnus.

The tournament will be at Texas Tech's Recreation Center tennis courts.

Roundtree is known for his portrayal of the supercop hero, John Shaft, in a trio of movies, "Shaft," "Shaft's Big Score," and "Shaft in Africa." He also played the title role of "Shaft" in a 90-minute action-adventure TV series. The New Rochelle, N.Y., native starred in other movies, including "Embassy," "Charlie-One-Eye," "Earthquake," "Man Friday," "Diamonds," "Inchon," "Day of the Assassins" and "An Eye for an Eye."

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With a career spanning more than 20 years, Stevens is known for her work in film, TV, nightclub appearances and records. She began her show business saga as a teen-age vocalist with her group, "The Three Debs," followed by a repertory role in "Finian's Rainbow" and movie roles in "Dragstrip Riot" and Jerry Lewis's "Rock-A-Bye-Baby." She also has appeared in "Parrish," "Two on A Guillotine," and "Never Too Late." For TV, she has starred in "Hawaiian Eye," "Wendy and Me," movies "The Sex Symbol" and "Side Show," and the mini-series "Scruples." Most recently she was in the movie "Grease II."

A newcomer to the acting world, Gibb has made a name for herself through her portrayal of Holly Laird in the internationally popular series "Fame." Before "Fame," the 20-year-old actress-singer-dancer appeared in the daytime soap opera "Search For Tomorrow" for two years. At age 16, she had a role in Woody Allen's "Stardust Memories."

For five years, Anderson was Dr. Jeff Webb in the daytime soap opera, "General Hospital," and now appears as Lt. Simon Adams on the TV series "Emerald Point, N.A.S." He also starred in the TV series "Seven Brides for Seven Brothers."

Other stars who have officially announced they will participate include "Matt Houston" TV star Lee Horsley, "That's Incredible" star Cathy Lee Crosby, Lloyd Bridges, Barbara McNair, Cornel Wilde, Dallas native Trini Lopez and Lyle Waggoner.

Celebrities will play against or be partners with former Texas Tech students, friends of the university and members of the general public who "buy into" the doubles draw at varying donation levels.

In addition to court sponsorships and other contributions, money will be generated through tournament tickets, dinner show tickets and the sale of souvenir programs. Show tickets are priced at \$12 for the public and \$10 for students. Dinner tickets are \$100 per plate and include one weekend pass and a free souvenir program. Tournament tickets are \$5 per day for the public, \$3 for students, or \$7.50 for the entire weekend for the public, \$5 for students. Programs are \$3.

Tournament play will begin April 28 at Texas Tech's Recreation Center tennis courts. That night a Las Vegas-style dinner show, in which the attending celebrities will perform and Horsley will emcee, is planned at the Exhibition Hall at the Lubbock Memorial Civic Center.

Tournament play will conclude April 29.

More information about the tournament is available through a recorded hotline telephone number. The recorded message can be heard 24 hours a day, (806) 742-1333.

Persons wanting to participate or contribute to the tournament should contact Pat D. Taylor, director-special projects, Texas Tech Development Office, (806) 742-2128.

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15-3-29-84

LUBBOCK--Three former Texas Tech University students will be honored at the Animal Science Alumni Banquet at 7 p.m. Friday (March 30) at the 50-Yard Line Restaurant.

Texas Tech's Department of Animal Science and the Saddle and Sirloin Club will present the Outstanding Alumnus Award to Jim Humphreys, general manager of the Pitchfork Ranch, and the Master Producer Award to T. Euel Liner of Lubbock, a retired pork industry supporter. Amos Miracle, president of the Amarillo Packing Co., will be recognized as an outstanding contributor to the agriculture industry and to the College of Agricultural Sciences. He also will be named an honorary member of the club.

Outstanding animal science students will be recognized at the banquet, said animal science Professor Frank Craddock. The banquet also will honor members of the judging teams, champion showmen, and outstanding club members.

The banquet, the department's first, will be a combined alumni and Saddle and Sirloin Club event, he said.

Humphreys came to Texas Tech in 1940, but he left to join the military at the outbreak of World War II. He returned to the university in 1945 and graduated in 1947 with a bachelor of science degree in animal husbandry.

After graduation, he worked for the Interstate National Bank in Kansas City, Mo., for a year. He then went to work in 1948 at the Pitchfork Ranch for a "temporary job" that has continued since then. He now serves as general manager and member of the board of directors. He oversees the ranch's operations in Texas, Wyoming and Kansas.

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Humphreys has remained active with Texas Tech and is a former member of the board of directors of the Ex-Students Association and a former chairman of the Ranching Heritage Association. Today, he is a member of the Texas Tech Experimental Ranch Committee and serves as a director of the American Quarter Horse Association, the Texas and Southwestern Cattle Raisers Association, and the Fort Worth Stock Show.

Liner is known for his work in the swine industry. He graduated from Texas Tech in 1932 with a bachelor of science degree in animal science. In 1950 he received a master's degree in agricultural education. He served on the Department of Agricultural Education staff for 14 years, working primarily with the Texas Education Agency.

He helped organize the National Pork Producers Council in 1966 and the Texas Pork Producers Association in 1967. He has served as an officer of both organizations and has been honored by both.

He is a former president of the Texas Swine Breeders Association and has served on the National Live Stock and Meat Board, the Texas Animal Health Commission, and Agriculture Secretary John Block's Swine Health Commission.

He received the Master Pork Producer Award, 1964; the National Hog Farmer Award, 1970; Texas Tech's Gerald Thomas Distinguished Alumnus Award, 1972; and Progressive Farmer's Man of the Year in Southwest Agriculture, 1973.

Miracle will be honored for his contributions of time and facilities to the department in teaching, research and public service programs. The Amarillo Packing Co., of which Miracle is president, was the host plant for a recent master of agriculture internship. The company has allowed judging teams to practice at its facilities and has provided products for judging contests.

He studied business at Texas Tech between 1938 and 1940.

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16-3-29-84

LUBBOCK--U.S. Sen. John Tower will receive an honorary doctorate of laws during the Texas Tech University Commencement May 11.

The honorary degree was approved by the Texas Tech Board of Regents during its March 23 meeting.

Tower will deliver the principal address during the university-wide ceremony at 7 p.m. that Friday in Municipal Coliseum. Individual college graduation exercises will follow on Saturday.

A former government professor at Midwestern University in Wichita Falls, Tower won a special election for the Senate seat of Lyndon B. Johnson in 1961. He was re-elected to the Senate in 1966, 1972 and 1978. Only one other Republican in the Senate holds more seniority than Tower.

Tower will retire from the Senate at the end of his current term in 1985.

He is chairman of the Senate Armed Services Committee and of the Senate Republican Policy Committee. He also serves on the Banking, Housing and Urban Affairs Committee and the Budget Committee.

A native Texan, Tower holds a bachelor's degree from Southwestern University and a master's degree from Southern Methodist, both in political science. He has done graduate work at the London School of Economics.

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HONORARY DEGREE/ADD ONE

Tower is a 33rd-degree Mason and Shriner and is a member of the American Association of University Professors, the American Legion, the Texas Historical Society, the Texas Philosophical Society and the Methodist Church. He is a trustee of Southwestern University and of SMU. He also is a past Worthy Grand Master of the Kappa Sigma Fraternity.

He is the son and grandson of Methodist ministers and grew up in a number of East Texas communities. He graduated from Beaumont High School and now makes his home in Wichita Falls.

At age 17 Tower enlisted in the Navy after the outbreak of World War II and saw combat on a gunboat in the Western Pacific. Tower, a master chief petty officer, is the only enlisted reservist in Congress.

Tower is married to the former Lilla Burt Cummings. He has three children, Penny, Marian and Jeanne, all residents of Texas.

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17-3-30-84

LUBBOCK--Dr. James K. Wangberg has been named director of the Texas Tech University Center at Junction.

He succeeds Dr. David K. Northington who resigned to become executive director of the National Wildflower Research Center with headquarters in Austin.

Vice President John R. Darling of the Office of Academic Affairs made the announcement of Wangberg's appointment. He said that Wangberg will continue to serve half-time as chairperson of the Department of Entomology in the College of Agricultural Sciences.

"Dr. Wangberg's previous experience in teaching at Junction and his record as a teacher and administrator recommend him highly for this position," Darling said. He added that Wangberg has shown keen ability in dealing with faculty and students from a variety of disciplines, and he has experience that indicates commitment to community involvement, innovation and flexibility.

"These are all qualities that can contribute to continuing growth in Texas Tech's programs at Junction," Darling said.

The center is a 411-acre campus in the hill country of Texas. Facilities include seven classrooms, 14 conference and seminar rooms, five laboratories and living quarters for students. Equipment serves photography and art classes as well as scientific studies.

-more-

It has become a popular location for summer studies for Texas Tech students but also draws students from a broad geographical area. Retreats, seminars and conferences are arranged for non-students throughout the year.

Wangberg joined the Texas Tech faculty as a visiting instructor in 1975 and was named assistant professor after being awarded the doctoral degree in entomology by the University of Idaho-Moscow in 1976. He earned the bachelor's and master's degrees in biology at Humboldt State University, Arcata, Calif.

He has been the principal investigator for interdisciplinary research at Texas Tech in ecological investigations of the red fire ant. He also has recently been active in research in noxious brush and weed control and in studies of arthropod pests of beef cattle.

Wangberg has taken an active interest, at Texas Tech and in national organizations, in improved teaching methods. He has been a faculty sponsor of the Texas Tech Entomology Club and the Saddle Tramps spirit organization.

He has been particularly active and has held numerous offices in the Entomological Society of America, the national research honorary Society of Sigma Xi, and Gamma Sigma Delta, national agriculture honor society. Wangberg has presented and published scholarly works consistently since 1972.

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18-3-30-84

LUBBOCK--Seventeen Texas Tech University faculty have been granted development leaves to be taken during the 1984-85 academic year. Some leaves are for one semester and some for two.

Dr. John R. Darling, vice president for academic affairs, said the number represents eight more than were granted last year and is an increase of 15 over 1981-82 and previous years when only two were granted.

Faculty granted one-semester leaves, he said, will receive full pay, and those granted the full nine-month leave accept with the understanding that they will receive half-pay.

Twelve were granted faculty in the College of Arts and Sciences, three in Business Administration, one in Education and one in Home Economics.

Granted semester leaves were: Dr. Michael L. Angelotti, education; Dr. Roger W. Barnard and Dr. Kamal C. Chanda, mathematics; Dr. George Q. Flynn, history; Dr. Oscar F. Francke and Dr. H. Bernard Hartman, biological sciences; Dr. Richard F. Barton, business administration; Dr. David Leon Higdon, English; Dr. Gerald M. Jurica, geosciences; Dr. Kenneth L. Ketner, philosophy; Dr. Curt E. Hamre, speech and hearing sciences; Dr. William J. Mayer-Oakes, anthropology; and Horn Professor Pill-Soon Song, chemistry.

Granted nine-month leaves were: Dr. Clifford C. Ashby, theater arts; Dr. Robert J. Freeman and Dr. Stephen C. Hora, business administration; and Dr. Paul E. McGhee, home and family life.

Angelotti will use his leave to complete a book of poetry, finish a textbook and study literature written for adolescents with the intention of improving educational course content.

Ashby expects to complete research for a book on ancient Greek theaters.

Barnard will conduct mathematical research at Indiana University on theories relating to problems in a physical world. His results are expected to be useful in studying problems related to force fields, steady temperature states, electric and electrostatic potentials or fluid flows around cylinders.

Barton will be working to develop an interactive computer simulation model for teaching and research of conglomerates, corporations doing business in more than one industry.

Chanda will be working at the Institute of Science and Technology at the University of Manchester, England, and at the University of Tampere in Finland to develop techniques to analyze experimental or observational research data.

Flynn will research the impact of the military draft on American society from 1940 to 1973.

Francke, working on course curricula and research in biological sciences, will study the evolutionary relationships and zoogeographical affinities of the scorpions of South America to determine if the continental drift theory might help explain how scorpions evolved into so many different species.

Freeman will be serving during his leave as an academic fellow with the Governmental Accounting Standards Board in Stamford, Conn. The board sets minimum national standards of accounting and financial reporting by states and state agencies, counties and other governmental bodies.

Hartman will be working at the University of Oregon marine laboratory, specifically on research on tissues and cells responsible for blood pigment synthesis in crustacea, including crabs, lobsters and shrimp. His work will involve new research techniques and applications to teaching.

Higdon will be studying especially the manuscripts of author Graham Greene at various universities.

Hora will be working at Sandia National Laboratories in Albuquerque to develop statistical tools useful in the analysis of risks from nuclear energy sources, such as nuclear reactors for power generation.

Jurica will use his leave to become proficient in the operation of a numerical model of convective development and in application of that model to data already obtained from observation of clouds in West Texas.

Ketner expects to complete two writing projects relating to the work of American philosopher C.S. Peirce and complete a textbook-software package for teaching introductory logic.

Mayer-Oakes will use his leave to study data already gathered from excavations at an early man archeological site near Quito, Ecuador.

McGhee expects to complete a cross-cultural study of humor and to work on a book dealing with methodological and measurement issues associated with the study of humor.

Song will spend his leave in Okazaki, Japan, where he can use a giant spectograph, the only one of its kind, to study light-induced destruction of cells in simple organisms. He expects his results to have implications in photobiology, particularly in the field of sunlight-caused diseases of domestic animals.