

TEXAS TECH

University & Health Sciences Center

News and Publications

Lubbock, TX 79409-2022
(806) 742-2136
FAX (806) 742-1615

FOR IMMEDIATE RELEASE

REF: 1-3-26-90

CONTACT: Jennifer LeNoir

LUBBOCK -- Texas Tech University's College of Engineering will honor five alumni during its 24th annual Distinguished Engineers Awards luncheon at 11:45 a.m. Friday (March 30) in the University Center Ballroom.

The Distinguished Engineers Award Program annually recognizes outstanding engineering alumni who have made significant contributions to society and who have brought credit to the college, said Dean of Engineering Mason H. Somerville.

The 1990 honorees are: William A. Blackwell, 1949 electrical engineering alumnus and professor emeritus at Virginia Polytechnic Institute and State University; R. David Damron, 1971 chemical engineering alumnus and manager of government affairs at Hoechst Celanese Chemical Co. in Dallas; Robert E. Dragoo Jr., 1962 mechanical engineering alumnus and former president of SETPOINT Canada Ltd.; Bill D. Helton, 1964 electrical engineering alumnus of 1964 and president and chief operating officer of Southwestern Public Service Co. in Amarillo; Allen P. Penton III, 1957 chemical engineering alumnus and director of production engineering and definition at McDonnell Douglas Space Systems Co. in Huntington Beach, Calif.

Chairman of Texas Tech's department of chemical engineering John R. Bradford established the award in 1967 while he was dean of the College of Engineering.

To be eligible for the Distinguished Engineer Award, individuals must:

- Be distinguished in their profession, life work or other endeavors and have received recognition from contemporaries;

- Be persons of integrity, stature and demonstrated ability so that the faculty, staff, students and alumni would gain pride and inspiration from the recipients' recognition;

- Demonstrate a continuing interest in areas outside the field of engineering that bring honor and prestige to the profession;

- Be the recipient of a degree from Tech Tech's College of Engineering.

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CONTACT: Jennifer LeNoir

LUBBOCK -- William A. Blackwell, professor emeritus at Virginia Polytechnic Institute and State University, has been named a distinguished engineer by the College of Engineering at Texas Tech University.

He graduated from Texas Tech University in 1949 with a bachelor's degree in electrical engineering. In 1952, Blackwell received a master's degree from the University of Illinois, and in 1958 he received his doctorate from Michigan State University, both in electrical engineering.

Blackwell was born in Fort Worth and raised in Quitman. He retired in 1988, after 39 years of teaching electrical engineering at the University of Illinois, Michigan State University, Southern Methodist University and Oklahoma State University. He was chairman of the electrical engineering department and a professor at Virginia Polytechnic Institute and State University from 1966-81.

He served from 1941-45 in the U.S. Army Air Force and was stationed in the Middle Eastern, North African, European and China Burma India theaters of operation.

Between 1981-82, Blackwell was a visiting professor of electrical engineering at the U.S. Military Academy. He resumed his position as professor at Virginia Tech in 1982. From 1984-85, he was resident director and provost at the Southeastern Center for Electrical Engineering Education in St. Cloud, Fla. He returned to Virginia Tech in 1985 and served as a professor of electrical engineering before his retirement in 1988.

He is a fellow of the Institute of Electrical and Electronics Engineers (IEEE) and a member of the American Society for Engineering Education. He became an IEEE life member in 1989.

He was chairman of the Electrical Engineering Department Heads Association from 1977-78 and vice-chairman of the IEEE Southeastern conference in 1979. From 1979-80, Blackwell was president of the Southeastern Center for Electrical Engineering Education and president of the Blacksburg, Va., Host Lions Club.

In 1979, he received a distinguished alumnus award from the University of Illinois Electrical Engineering Alumni Association. In 1984, he was awarded the IEEE Centennial Medal and in 1986, the IEEE Region 3 Outstanding Educator Award.

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REF: 3-3-26-90

CONTACT: Jennifer LeNoir

LUBBOCK -- Manager of government affairs at the Hoechst Celanese Co. in Dallas David Damron will be honored as a distinguished alumnus by Texas Tech University's College of Engineering.

Damron graduated from Texas Tech University in 1961 with a bachelor's degree in chemical engineering. He has been a member of the Texas Tech Chemical Engineering Industrial Advisory Board.

A registered lobbyist in the state of Texas, Damron coordinates the formulation, approval and communication of Hoechst Celanese Company's political position to federal and state legislators and regulatory agencies.

Born in Jacksboro, Damron began working for the Hoechst Celanese Co. after graduation. During his 29 years there, he has been involved in the areas of process engineering design, economic analysis, technical and manufacturing management, engineering administration and management of government affairs.

He is chairman of the technical liaison of the National Petroleum Refiners Association and co-chairman of the Coalition to Oppose Energy Taxes. He also is the chairman of the energy committee of the Chemical Manufacturers Association and chairman of the Texas Association of Business, Dallas chapter.

In Corpus Christi, he has been a director and member of the chamber of commerce, director of the Rotary Club and an officer in the local chapter of the American Institute of Chemical Engineers. He also has served on the Corpus Christi State University President's Council.

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FOR IMMEDIATE RELEASE
REF: 4-3-26-90
CONTACT: Jennifer LeNoir

LUBBOCK -- Bill Helton, president and chief operating officer for Southwestern Public Service Company (SPS) in Amarillo, has been named a distinguished alumnus by the College of Engineering at Texas Tech University.

Helton, a native of Briscoe, earned his bachelor's degree in electrical engineering in 1964 from Texas Tech University.

He began his career with SPS in 1964 as a distribution design engineer. He subsequently worked in industrial services, consumer services, industrial development and financial services before being named assistant secretary and director of financial services in 1982. He was elected financial vice president in 1983, vice president of corporate services in 1986 and executive vice president in 1987.

He is a registered professional engineer and a member of the Institute of Electrical and Electronic Engineers. Active in electronic-utility industry affairs, Helton is vice chairman of the Southwest Power Pool and a member of the board of directors of the North American Electric Reliability Council.

He is a past chairman of the Texas Tech Electrical Engineering Industrial Advisory Board and a past president of the Petroleum Electric Power Association. In addition to holding leadership positions in several Amarillo civic organizations, Helton is the director of the Amarillo Chamber of Commerce. He is the director of the Texas Chamber of Commerce in Austin.

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CONTACT: Jennifer LeNoir

LUBBOCK -- Robert E. Dragoo Jr., of Houston, will be honored as a distinguished alumnus by Texas Tech University's College of Engineering.

Dragoo, the former president of SETPOINT, Canada, Ltd., left the company in 1989 to pursue other interests. He is a native of Beaumont and graduated from Texas Tech in 1962 with a bachelor's degree in mechanical engineering.

Most recently at SETPOINT, Canada, Ltd., he served as the director of business development in 1983 and became president in 1988.

He joined Boeing's Saturn Division in Seattle, Wash., after graduation from Texas Tech. At Boeing, he attended a programming school and participated in re-entry configuration/heat studies for the aerospace division. He also was responsible for developing flight simulators, which were used to train astronauts in the Mercury and Gemini space programs.

He joined Goodrich Gulf Chemicals in 1964, where he helped to develop and install the first process control computers. In 1967, he began working for IBM as a systems engineer and eventually as a sales representative involved in the data acquisition and control market.

He helped to establish Biles and Associates Inc., a computer control software/consulting group and served as its director of marketing from 1969-75. In 1975, he began working for the firm of Stearns-Roger Inc., as the chief control systems engineer. While working at Stearns, he represented the U.S. Department of Energy in a technology exchange with the National Coal Board of England.

In 1980, Dragoo was the director of control applications and marketing at the Honeywell Corp., where he created a technical career ladder for engineers, which allowed engineers to achieve higher positions and greater compensation without having to enter management. He also was involved in the creation of an energy management technology that promoted Honeywell into the co-generation forefront. While working for Honeywell, he also attended a Harvard Management Program, where he studied business.

He is a registered professional engineer in Texas and is a member of the Society of Mechanical Engineers, the Instrument Society of America and the Society of Control, Instrumentation and Electrical Processing.

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CONTACT: Jennifer LeNoir

LUBBOCK -- Allen P. Penton III, director of production engineering and definition at McDonnell Douglas Space Systems Co. in Huntington Beach, Calif., has been named a distinguished alumnus by Texas Tech University's College of Engineering.

A native of Gainesville, Penton graduated from Texas Tech University in 1957 with a bachelor's degree in chemical engineering. He also received a bachelor's degree in chemistry in 1957 from Abilene Christian University and a master's degree in nuclear engineering in 1961 from Southern Methodist University.

In his current position, he is responsible for all industrial and manufacturing engineering functions that support advanced space systems. He has directed the development of several new approaches that enhance product definition effectiveness, such as concurrent engineering, which simultaneously involves designing, manufacturing and tool engineering.

He has been involved in a variety of engineering and management positions within the aerospace industry, including positions at Ford Aerospace and General Dynamics. For the past 18 years, he has worked for McDonnell Douglas Space Systems Co., where he has been a chief technology engineer of materials and processes engineering and director of development operations.

Within the last 32 years, Penton has made numerous technical contributions in the development of advanced synthetic structural materials for aerospace applications. Beginning in 1962, he was involved in the initial development of graphite fiber composites, which have evolved into widespread use in military and commercial aircraft. He also has contributed to the development of high performance protective systems to improve the survivability of nuclear re-entry weapons.

In 1984, he was recognized as a Fellow of the Society for the Advancement of Material and Process Engineering (SAMPE), a technical society of 6,000 members. SAMPE has selected only 18 fellows in its 30 years of existence. He also has been a member of the organization's journal editorial review board for 15 years.

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PENTON/PAGE 2

He is a past member of the Aviation Week Research Advisory Panel and a member of the American Institute for Aeronautics and Astronautics committees on materials technology and on military space systems technology. Penton also is a past member of the National Academy of Science, National Materials Advisory Board Committee on Science Base for Materials Processing.

*Lubbock-Crosby-Garza
Medical Auxiliary*

FOR IMMEDIATE RELEASE

REF:

CONTACT: Margaret Simon
742-2040

LUBBOCK -- In recognition of their outstanding service to the community, local physicians will be honored on Friday, March 30, as part of National Doctor's Day.

Mayor B.C. "Peck" McMinn will issue a proclamation declaring Friday as Doctor's Day in Lubbock at 11 a.m. in the main lobby of Methodist Hospital. Accepting the proclamation will be Dr. Barbara Way, president of the Lubbock-Crosby-Garza County Medical Society.

Methodist Hospital will host a public reception in the main lobby from 11 a.m. until noon. The reception will feature a giant thank-you card to Lubbock-area physicians that all persons at the reception are welcome to sign. This year marks the first time that Lubbock has officially recognized National Doctor's Day. The day has been celebrated throughout the country since 1935 when it was first instituted by the Southern Medical Association Auxiliary.

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FOR IMMEDIATE RELEASE
REF: 8-3-26-90
CONTACT: Steve Kauffman

(EDITORS NOTE: Media representatives are invited to cover the public lecture and laser demonstration on April 3. Private interviews with Schawlow may be arranged by calling Dads and Moms Association Director Dudley Faver at (806) 742-3630.)

LUBBOCK -- Arthur L. Schawlow, Ph.D., co-inventor of the laser and 1981 Nobel laureate in physics, will present a free public lecture and laser demonstration at 7:30 p.m. April 3 in Room 49 of the Texas Tech University Chemistry Building.

As the 10th James G. Allen Distinguished Visiting Professor, Schawlow will be on the Texas Tech campus April 2-4 to present a series of classroom lectures and informal faculty meetings. The professorship is sponsored annually by the Dads and Moms Association in honor of former Executive Director James G. Allen.

Schawlow received the 1981 Nobel Prize for his contribution to the development of laser spectroscopy, which uses lasers to study basic properties of atoms and molecules. In 1958, Schawlow invented the laser with fellow physicist Charles H. Townes.

The April 3 public lecture will include slides and demonstrations of lasers. One of Schawlow's most noted demonstrations uses a laser to pass harmlessly through one balloon and burst another balloon.

Currently a physics professor at Stanford University, Schawlow's research has included optical and microwave spectroscopy and superconductivity in addition to laser technology. His body of research lead to the 1982 establishment of the Arthur L. Schawlow Medal given annually by the Laser Institute of America for distinguished application of lasers in science and education.

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FOR IMMEDIATE RELEASE
REF: 9-3-26-90
CONTACT: Kippie Hopper

[MEDIA ADVISORY: Media representatives are invited to attend a press conference with noted American economist John Kenneth Galbraith beginning at 2:30 p.m. Thursday (March 29) in the press room at the Lubbock International Airport.]

LUBBOCK -- One of the foremost economists in 20th century America, John Kenneth Galbraith, will speak at 8:15 p.m. Thursday (March 29) in the University Center Allen Theater at Texas Tech University.

Galbraith is the Paul M. Warburg Professor of Economics Emeritus at Harvard University. He holds a doctorate in economics from the University of California and was a Social Science Research Council fellow at the University of Cambridge. He began his academic career teaching at Harvard and later taught at the University of California and Princeton University.

A leading voice in American economic thought, he is a prolific author of books and journal articles in economics, business and politics. A former editor of "Fortune" magazine, Galbraith's books include "The Anatomy of Power," published in 1983, "The Nature of Mass Poverty" and "The Voice of the Poor." His memoirs are titled "A Life in Our Times." Earlier books include "The Affluent Society," "The New Industrial State," "Money: Whence It Came, Where It Went" and "The Age of Uncertainty."

As deputy administrator of the Office of Price Administration in the early 1940s, Galbraith was principally responsible for organizing the wartime system of price control. Later he was a director of the U.S. Strategic Bombing Survey, which investigated the effects of the air attacks on Germany and Japan in World War II. In 1946, he served in the State Department and was in charge of economic affairs in the occupied countries. Galbraith also was awarded the Medal of Freedom by President Harry S. Truman.

Galbraith worked with the 1952 and 1956 Adlai Stevenson campaigns and was an early supporter of John F. Kennedy. During the Kennedy administration, he was the U.S. Ambassador to India, and since then has been an adviser to other Democratic administrations.

He is a past president of the American Economic Association and a member of the American Academy of Arts and Sciences. In 1982, he was elected for literature to the 50-member American Academy of Arts and Letters. In 1984, he became president of the combined American Academy and Institute of Arts and Letters.

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FOR IMMEDIATE RELEASE

REF: 10-3-27-90

CONTACT: Jennifer LeNoir

RESEARCHERS ISSUE SEVERE WEATHER SAFETY TIPS

LUBBOCK -- Severe Weather Awareness Week on the South Plains continues through March 31, and Texas Tech University researchers say people can protect themselves from the dangers of spring storms.

Researchers with the Texas Tech Institute for Disaster Research have studied natural disasters for the past 20 years. In their studies of the causes, effects and preventatives of damage from tornadoes, hurricanes and low-level blasts, the investigators have established safety guidelines that could prevent loss of life when a tornado strikes.

- Even persons who have limited access to broadcast storm warnings should closely observe any rapidly changing weather conditions that could signal a tornado, such as a progression from intense hail to deafening quiet.
- When in homes, persons should seek shelter in a closet or room protected by as many interior walls as possible.
- Individuals should not waste time opening windows to counteract pressure differentials.

A common misconception is that buildings will explode if windows are closed, according to Richard E. Peterson, director of the atmospheric science group at Texas Tech.

- Individuals should never remain in their cars or mobile homes. Often vehicles are picked up and smashed by tornadoes and high winds.

Most people who died in the April 1979 twister that struck Wichita Falls were killed while trying to escape the storm by driving in their automobiles, Peterson said.

- When outdoors, individuals should seek shelter in a depression or culvert to avoid flying debris, the cause of most damage and injuries. Persons should not take shelter in drainage ditches.
- Individuals should be aware of tornado season in their region. Tornadoes are most likely to occur in April, May and June on the South Plains, with the most tornadoes developing in May. Late winter is the tornadic season in the Gulf region and southern-tier states. In late March and April, tornadoes tend to strike the lower Mississippi, Tennessee and Ohio River valleys.

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SEVERE WEATHER TIPS/PAGE 2

Texas Tech researchers with the Institute for Disaster Research are searching for ways to reduce weather-related destruction. The College of Engineering faculty members work in the fields of atmospheric sciences, wind engineering and glass testing to understand the damage caused by intense wind conditions.

Researchers from the institute have conducted field tests of natural disasters in the United States, Canada, Mexico and Australia.

SOURCES:

Kishor C. Mehta, Ph.D., (806) 742-3475
Director of the Wind Engineering Research Center at Texas Tech

H. Scott Norville, Ph.D. (806) 742-1930
Director of the Glass Research and Testing Lab at Texas Tech

Richard E. Peterson, Ph.D., (806) 742-3418
Director of the atmospheric science group

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FOR IMMEDIATE RELEASE

REF: 11-3-27-90

CONTACT: Chris Patterson
or Gayle Fulcher,
(806) 742-2352

LUBBOCK -- Participants of the 12th annual Regional Institute on Substance Abuse and Addiction will gather in Lubbock April 12-13 at the Lubbock Plaza Hotel to take steps toward fighting the complexities of addiction.

The "battle plan" for the two-day symposium is to: increase personal and community awareness of the explosiveness of chemical addiction; increase personal and professional awareness of the ill-effects of many addictions; develop strategic plans for networking opportunities for expanded community resources; provide personal growth opportunities for those affected by substance abuse and addiction; and increase options to attack tunnel vision associated with addiction.

Featured throughout the institute will be Peter Alsop, a nationally recognized singer/songwriter, lecturer and humorist from Southern California. Alsop, who has a doctorate in educational psychology, will present "Laughter, Play and Recovery" and "Questions and Answers and Songs" during the seminar and will conduct a "Family Concert" Thursday evening.

The keynote speakers of the institute will be Paul Roberts, executive policy assistant to the director of the Texas Commission on Alcohol and Drug Abuse in Austin, and Susan Dalterio, Ph.D., a lecturer in the Division of Life Sciences at the University of Texas at San Antonio.

Other topics of the seminar include "Demystifying the Media," "Ethics," "Spirituality and Recovery," "Unseen Forces Affecting Our Children: Ritualistic Behaviors and Crime," "Risk-Focused Prevention Strategies," "Drugs, Children and Cultural Consent," "Relapse, Intervention and Aftercare" and "Drug Use and Arrested Emotional Development."

A registration fee of \$49 for two days or \$29 for one day includes lunch. Full-time students may register for \$20 for two days and \$10 for one day. Lunch is an additional \$7.50 for students. MasterCard and VISA charges will be accepted by telephone at (806) 797-7203. Checks may be mailed to: Division of Continuing Education, 3223 S. Loop 289, Suite 115, Lubbock, Texas, 79423. Fees also may be paid in person between 8 a.m. and 5 p.m. Monday through Friday at either the South Loop 289 location or at the Continuing Education Building at 15th Street and Akron on the Texas Tech campus.

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ADDICTION INSTITUTE/PAGE 2

• Sponsors for the institute are: Charter Plains Hospital, Cottonwood de Tucson, Drug Enforcement Administration, Education Service Center Region XVII, Lubbock Council on Alcohol and Drug Abuse, Lubbock Independent School District, Lubbock Regional Mental Health and Mental Retardation Center, Southwest Institute for Addictive Diseases, St. Mary of the Plains Hospital, Texas Commission on Alcohol and Drug Abuse, Vista Hill Recovery Program and Texas Tech University's Division of Continuing Education, Center for School and Community Counseling and Center for the Study of Addiction.

Accreditation will be given in the following areas: Adult Probation Training Credit, Continuing Education Unit (\$10 fee), Continuing Nurses Education (\$5 fee), Texas Juvenile Probation Training Credit, Licensed Professional Counselors, Social Work Certification, Texas Association of Alcohol and Drug Abuse Counselors and Texas Commission of Law Enforcement Officer Standards and Education.

For more information about the institute, telephone (806) 797-7203.

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FOR IMMEDIATE RELEASE

REF: 12-3-27-90

CONTACT: Chris Patterson
or Gayle Fulcher,
(806) 742-2352

LUBBOCK -- Counselors, psychologists, teachers and other child professionals can learn a unique approach to train parents to be therapeutic agents with their children during a workshop scheduled for 8:30 a.m. to 4:30 p.m. Saturday, April 7, at Texas Tech University.

"Filial Therapy: Training Parents as Partners in Play Therapy" will be offered by Texas Tech's Division of Continuing Education in the El Centro Lounge of the Home Economics Building.

The workshop will emphasize basic play therapy skills including responsive listening, therapeutic limit setting, recognizing children's emotional needs, building self-esteem and structuring required weekly play sessions with children using a special kit of selected toys. The structure and content of training sessions with parents will be covered and videotapes of a filial therapy group will be used to demonstrate the process.

Gary Landreth, a Regents professor in the counselor education department and director for play therapy at the University of North Texas, will present the workshop. Landreth has been a teacher and counselor in public schools and has worked extensively with children in therapy relationships. He has conducted workshops focusing on relationships with children for parents, teachers and counselors throughout the United States and Canada.

Pre-registration is \$69. Registration the day of the workshop is \$80. The fee includes a light lunch. MasterCard and VISA charges will be accepted by telephone at (806) 797-7203. Checks may be mailed to: Division of Continuing Education, 3223 S. Loop 289, Suite 115, Lubbock, Texas, 79423. Fees also may be paid in person between 8 a.m. and 5 p.m. Monday through Friday at either the South Loop 289 location or at the Continuing Education Building at 15th Street and Akron on the Texas Tech campus.

Participants will receive a certificate for seven hours of Licensed Professional Counselor Continuing Education Credit.

For more information about the workshop, telephone (806) 797-7203.

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FOR IMMEDIATE RELEASE

REF: 13-3-29-90

CONTACT: Jennifer LeNoir

LUBBOCK -- The College of Engineering at Texas Tech University will sponsor the South Plains Regional Science and Engineering Fair April 6 and 7 in the Lubbock Municipal Coliseum.

The public may view student science projects 3-5 p.m. Friday and 8-10 a.m. Saturday. The awards presentation is scheduled 10-12 p.m. Saturday, also in the coliseum.

West Texas public school students from 21 counties will be entering projects in the physical or biological divisions of the fair. In all, 600 student projects will be on display, as compared to 450 projects last year, according to Darrell Vines, coordinator of the fair and associate dean of engineering at Texas Tech.

The College of Engineering wants to increase the awareness among young people of the merits of science and engineering, said Vines.

University enrollments in science and engineering peaked in 1983 and have been declining ever since, according to studies completed by the National Science Foundation. Vines attributes the national decline in engineering enrollments partly to inadequate high school preparation in the sciences and math.

"We realize that it takes a long time for a young student to prepare to study science and engineering at the college level, and that the earlier students get involved in science and engineering projects, the more likely they are to study math and science in school," said Vines.

Science fair advisory board member and Levelland Junior High School teacher Mary Beth Barton is the co-director of the regional event. According to Barton, the public will see many creative projects. Student science projects last year focused on everything from studies on "how noise effects concentration" to "how to make lipstick," she said.

Altogether, West Texas teachers of grades 4-12 have been encouraging their students to participate in the upcoming science and engineering fair for the past several months through class discussions of possible projects, inquiries into student interests and project suggestions, Barton said.

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SCIENCE FAIR/PAGE 2

The fair provides an opportunity for students to advance to the international level, where they may compete for four-year college scholarships, she said.

As an example, an O'Donnell High School student advanced to the international science fair in Pittsburg, Pa. where he placed third. As a result, the student was awarded a full scholarship to the University of Texas at Austin, she said.

The projects submitted by participants in the science and engineering fair are important to the College of Engineering at Texas Tech because they help to spark an awareness and interest in science and math among youths, Vines said.

"The fair is a wonderful opportunity for the recruitment of Hispanic students and all members of minority groups in West Texas as part of our effort to build science and engineering enrollments at earlier ages," he said.

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FOR IMMEDIATE RELEASE

REF: 14-3-29-90

CONTACT: Kippie Hopper

LUBBOCK -- In the United States, the generation of wastes that include hazardous components amount to about 246 million tons per year. What to do with the waste is among the major concerns of officials in most communities.

Ralph C. Heath, a consulting hydrogeologist for the city of Raleigh, N.C., and a lecturer at Duke University, will discuss "Hydrogeology and Hazardous-Waste Disposal" during a lecture at 3 p.m. Monday (April 2) in Room 49 Chemistry Building.

He will address engineered solutions to waste disposal. Hydrogeologic features, if properly considered and utilized, Heath states, may help avoid problems that have resulted from past disposal practices.

According to Heath, the waste, when compacted, is sufficient to cover an area of 24 square miles to a depth of 30 feet. Municipal landfills alone occupy more than 1,200 square miles.

Heath is the 1989-90 chosen speaker in the Henry Darcy Distinguished Lecture Series, sponsored by the Association of Ground Water Scientists and Engineers. He is lecturing this year at 22 universities in the United States and Canada.

As a consultant, he is involved in projects ranging from solving ground water pollution caused by powerplant ash ponds to determining the yield of the unconfined aquifer at Cape Hatteras, N.C.

The lecture is sponsored locally by Sigma Gamma Epsilon, the earth sciences honor society, and the Texas Tech department of geosciences.

For more information about the lecture, contact James R. Bartolino, department of geosciences, (806) 742-3102.

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FOR IMMEDIATE RELEASE

REF: 15-3-29-90

CONTACT: Chris Patterson

LUBBOCK -- The Texas Tech University Institute for Biotechnology will continue its spring seminar series with a presentation by Howard Nash, chief of the molecular genetics section of the Laboratory of Molecular Biology at the National Institutes of Health.

Nash will discuss recent advances in the field of genetic recombination at 6 p.m. Tuesday (April 3) in Room 113 of the Chemistry Building.

Since joining the staff at the National Institutes of Health in 1964, Nash has become a leader in the field of genetic recombination -- combining the genes from two different sources using recombinant DNA technology. His work focuses on the molecular genetic and biochemical characterization of the components that mediate genetic recombination in a bacterial system.

Nash attended the University of Chicago where he received a medical degree in 1961 and a doctorate in 1963.

MEDIA ADVISORY

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CALENDAR WEEK MARCH 30-APRIL 6

REF: 16-3-29-90

CONTACT: News and Publications

(MEDIA ADVISORY: This Texas Tech calendar is compiled to let you know of upcoming events and releases and to serve as a reminder of releases already sent. If you need more information, call News and Publications at 742-2136.)

- MAR 30** Distinguished Engineers Luncheon
sponsored by the College of Engineering
11:45 a.m., University Center Ballroom
(release ref: 1-3-26-90)
- MAR 31** Graduate recital -- Yuh-Yun Li, piano
5 p.m., Hemmle Recital Hall
- APR 1** Senior recital -- Greg Salli, percussion
3 p.m., Hemmle Recital Hall
- APR 2** Lecture -- "Hydrology and Hazardous Waste Disposal,"
by Ralph C. Heath, sponsored by the Association of Ground Water
Scientists and Engineers and the department of geosciences
3 p.m., Chemistry Building Room 49
(release ref: 14-3-29-90)
- Faculty recital -- Faculty Brass Quintet and Mariah Winds
8:15 p.m., Hemmle Recital Hall
- APR 3** Faculty Awards Convocation
3:30 p.m., University Theater
- Seminar -- "Impressionism in Sight and Sound," sponsored by the
Women's Council of the West Texas Museum Association
11 a.m., Texas Tech Museum Kline Room
- Lecture -- "Biomedical Experimentation," by John Morrow,
professor of biochemistry at Texas Tech Health Sciences Center
sponsored by the South Plains Friends of the Humanities as part
of the "Humanities Perspectives in a Health Care Setting" series
7 p.m., Mahon Library Community Room
(release ref: 4-3-19-90)

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CALENDAR/PAGE 2

- APR 3 cont. Seminar -- Howard Nash, molecular biologist with the National Institutes of Health, sponsored by the Institute for Biotechnology
6 p.m., Chemistry Building Room 113
(release ref: 15-3-29-90)
- Lecture -- Arthur Schawlow, inventor of the laser and Nobel laureate in physics, sponsored by the Dads and Moms Association
7:30 p.m., Chemistry Building Room 49
(release ref: 8-3-26-90)
- APR 4 Texas Association of Museums annual meeting
Lubbock Plaza Hotel through April 7
(release ref: 17-3-29-90)
- Lecture -- "Henry David Thoreau: Beware of All Enterprises that Require New Clothing," by Malcolm Holzman, architect with the New York architecture firm of Hardy-Holzman-Pfeiffer
sponsored by the College of Architecture
4 p.m., Architecture Building Gallery
(release will be mailed)
- Graduate recital -- Victoria Daniel, percussion
8:15 p.m., Hemmle Recital Hall
- APR 5 Symposium -- "Adolescent and Adult Risk Taking: Research, Intervention and National Policy Issues,"
sponsored by the department of human development and family studies and the department of psychology
University Library Special Collections Room through April 6
- "Taming of the Shrew" presented by theater department
Texas Tech University Theater
through April 8 and 12-15
- APR 6 "South Plains Regional Science and Engineering Fair,"
sponsored by the College of Engineering
4 p.m., Lubbock Municipal Coliseum through April 7
(release ref: 13-3-29-90)

News and Publications

Lubbock, TX 79409-2022
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FOR IMMEDIATE RELEASE
REF: 17-3-29-90
CONTACT: Chris Patterson

[MEDIA ADVISORY: Media representatives are invited to attend any of the Texas Association of Museums' conference sessions. One of the public highlights of the conference is scheduled for 6-9:30 p.m. Wednesday (April 4) at the Museum of Texas Tech University. Members of the 4th Memorial Cavalry of Lubbock and the Fort Concho Living History Program of San Angelo will perform a variety of demonstrations to illustrate the uses of living history interpretation.]

LUBBOCK -- More than 300 Texas museum professionals will converge in Lubbock Wednesday (April 4) for the Texas Association of Museums' 30th annual meeting and trustees' conference.

Authorities representing Texas museums, art and science centers, zoos and historic houses will address this year's theme, "Critical Trends: Planning Our Future," during the four-day conference at the Lubbock Plaza Hotel.

Although many of the conference sessions pertain to museum professionals, the public is invited to attend any of the sessions and special events. Some events require admission or registration fees.

Peter Bishop, associate professor in the Graduate Program in Studies of the Future at the University of Houston at Clear Lake, will be one of the keynote speakers at the conference. Bishop will explore the sociological and environmental changes expected to occur in the 21st century and speculate on how these changes may affect museums.

Another keynote address will be given by Elizabeth Addison, director of marketing and communications at the Art Gallery of Toronto. Addison will discuss psychographics, the study of how personal and societal values affect people's actions. Her focus will be the uses of psychographics for museum planning.

Other sessions of the conference include "Tapping into Tourism," "Teens in Museums," "The Future of Outdoor Museums," "The Aging of America: Implications for Museums" and "Bored Board, or the Cure for Another Deadly Meeting."

A highlight of the conference will be the annual Mitchell A. Wilder Awards Competition, a design competition of museum publications. More than 150 brochures, books, posters, videos and other materials will be reviewed by a panel of judges. The competition is named after the founding director of the Amon Carter Museum in Fort Worth, who was a strong advocate of excellence in publication design. Awards will be presented during a luncheon at noon Friday (April 6).

TAM CONFERENCE/PAGE 2

One of the special events of the conference will be Wednesday evening at The Museum of Texas Tech University. At 6 p.m., conference participants and community members can tour the new Field Research and Interpretive Centers of the Lubbock Lake National and State Archaeological Landmark, the Ranching Heritage Center and other areas of the Museum complex.

During the evening, members of the 4th Cavalry of Lubbock and the Fort Concho Living History Program of San Angelo will perform a variety of demonstrations at the Museum to illustrate the uses of living history interpretation. The evening will conclude about 9 p.m. with a brief presentation by the Garza County Players theater group.

The Texas Association of Museums was established in the early 1960s as an educational service organization. With more than 600 members, it provides the only forum in the state for museum professionals to discuss common issues.

The conference is sponsored in part by The Museum of Texas Tech University, Crosby County Pioneer Memorial Museum, the Science Spectrum and Ralls Historical Museum.

For more information about the conference or session fees, telephone the administrative office of The Museum of Texas Tech University at (806) 742-2442.

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University & Health Sciences Center

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FOR IMMEDIATE RELEASE
REF: 18-3-29-90
CONTACT: Chris Patterson

LUBBOCK -- More than 1,500 high school students from the Panhandle and West Texas will participate in the 62nd annual FFA Judging Contest Saturday, April 7, at Texas Tech University.

The State Horse Judging Contest also will be held at Texas Tech this year on Saturday, April 21.

The regional contests will include: agriculture mechanics, cotton classing, crops, dairy cattle judging, dairy foods, entomology, horse judging, livestock judging, land judging, meats judging, poultry judging, range and pasture plant identification, range and pasture plant judging, and wool judging. Winners will advance to the state competition at Texas A&M University at College Station.

Contests will be supervised by Texas Tech College of Agricultural Sciences faculty. Winners will be announced at 3 p.m. Saturday (April 7) in the Texas Tech University Center Ballroom.

Registration will be from 6:30-8:30 p.m. Friday (April 6) in the Texas Tech Livestock Arena. A complimentary hamburger supper for the high school students and their agricultural science teachers will begin at 6:30 p.m. and continue until 8 p.m., also in the Livestock Arena.

The contest will begin at 7 a.m. and will conclude about 5 p.m. For more information, contact the department of agricultural education and mechanization, (806) 742-2816.

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FOR IMMEDIATE RELEASE

REF: 19-3-29-90

CONTACT: Steve Kauffman

LUBBOCK -- Earth Day 1990, officially celebrated on April 22 to launch the "Decade of the Environment," will be the focus of a month-long series of lectures in April at Texas Tech University. Earth Day was established in 1970 to promote awareness of environmental issues.

Sophomore Dan Gregory and a core of seven volunteers have been working on local activities since last fall with the support of the Texas Tech Residence Hall Association and Bledsoe Residence Hall where Gregory is a resident assistant.

"I didn't know anything about Earth Day until I read about it last year. I thought it was a great idea, and I started working on getting people involved last October," said Gregory, an English major from Sugar Land. Gregory said he and the other student volunteers plan to organize a campus group to continue environmental awareness promoted by Earth Day.

Earth Day 1970, the last active observance of the day, was celebrated on April 22 with more than 20 million people demonstrating. National organizers say the initial demonstration was instrumental in the subsequent creation of the U.S. Environmental Protection Agency and the passage of the Clean Air and Clean Water acts.

The Texas Tech lectures, each held at 7:30 p.m. in Holden Hall Room 75, are:

- April 3, "Living for the Future," by Kimberly Farley, political science doctoral student
- April 5, "Solid and Hazardous Waste," by Melanie Barnes, geosciences research assistant
- April 10, "Hazardous Waste: Is Your Household Safe," by Melanie Barnes
- April 12, "Atmospheric Acidity: An Overview," by P.K. Dasgupta, Ph.D., chemistry professor
- April 17, "Soil Pollution and Degradation," by B.L. Allen, soil science professor
- April 19, "Depletion of Atmospheric Ozone," by Gerald Jurica, Ph.D., atmospheric science professor
- April 24, "Water Resources Outlook for the Southern High Plains," by Lloyd Urban, Ph.D., director of the Texas Tech Water Resources Center
- April 26, "The Asian Rain Forest," by Robert Mitchell, biology professor

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HEALTH TIPSHEET

from

TEXAS TECH HEALTH SCIENCES CENTER

March 30, 1990

BATTLE OF THE BULGE -- If you're rapidly trying to lose weight to fit into that skimpy swimsuit -- think again -- because unless your plans are long-term, that suit won't fit for long, says Laura Baker, M.D., director of TRIM, a TTHSC weight-loss program in the department of family medicine. The key to losing weight, she says, is to keep it slow and simple. Gradual modifications --not abrupt turnabouts -- are more practical and will create better habits for long-term weight-maintenance. Some of Baker's weight-loss hints include:

- * Don't allow yourself to lose more than 2 pounds per week without medical supervision.
- * Don't concentrate just on calories, focus on lowering the fat in what you are eating.
- * Exercise -- it's the key to weight maintenance.
- * Avoid pills, powders and other drug store diet aids.
- * Make realistic long-term goals -- and stick to them.

For more on weight loss and proper diet, contact Baker at (806) 743-2770.

NETWORKING -- A progress report to the advisory board of TTHSC's MEDNET Project is scheduled for 8:30 a.m. Monday (April 2) in Room 2B152. MEDNET is a demonstration project funded by the Department of Health and Human Services with matching TTHSC contributions to show how modern communications technology can help improve health care options in rural areas. The project serves 10 West Texas hospitals with a variety of services, including satellite transmission of continuing education programs, telepathology services, teleradiology options, billing systems and, within six weeks, two-way video consultations. MEDNET Director J. Ted Hartman, M.D., will be available throughout the meeting to talk to media or will be available by phone afterwards at (806) 743-2233.

For assistance on these or other stories,
contact Kim Davis or Preston Lewis at TTHSC
News and Publications, (806) 743-2143.

20-3-30-90

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FOR IMMEDIATE RELEASE

REF: 21-3-30-90

CONTACT: Chris Patterson

LUBBOCK -- More than 175 Texas Tech University students will be inducted Wednesday (April 4) into the Honor Society of Phi Kappa Phi, one of the highest academic honors awarded at the university.

The students will be honored during an initiation banquet scheduled for 6:30 p.m. in the University Center Ballroom. Texas Tech President Robert W. Lawless will be the featured speaker of the ceremony. His speech will focus on academic excellence.

Tom Langford, 1989-90 president of the Texas Tech chapter of Phi Kappa Phi and associate dean of the Graduate School, said the organization is one of the most prestigious honor societies in the nation.

"All of the initiates have achieved records at the very top of their class and in being recognized by Phi Kappa Phi they are identified as among Texas Tech's best and brightest," he said.

Phi Kappa Phi is a national honor society with 244 chapters. Members are recognized for superior scholarship in all academic disciplines. Phi Kappa Phi membership is limited to senior, law and graduate students who rank in the top 10 percent of their graduating classes and juniors who rank in the top 2 percent of their class.

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FOR IMMEDIATE RELEASE

REF: 22-3-30-90

CONTACT: Chris Patterson

LUBBOCK -- A new non-credit correspondence course titled "Letters From the People" will be offered by the Independent Study by Correspondence unit of Texas Tech University's Division of Continuing Education.

The course was created to help people learn to respond to the array of controversial problems and information covered by the media, said Leonor Murphy, author of the lessons and class instructor. Murphy has had extensive experience as a commercial editor and writer and 16 years experiences as an English and journalism teacher.

"Most of us do not realize how influential we can be. We tend to restrain our urges to publicize our ideas, thereby losing our very real opportunities to affect opinion makers as well as the general public," she said.

By neglecting to voice an opinion, according to Murphy, people forego their democratic right to help shape political and social action and to improve the media by urging greater responsibility for fact and fairness.

The course aims to help students get into the habit of following written and oral commentary on current issues, understand the uses for different types of letters, learn to write letters expressing personal views and gain experience in proofreading and research.

The self-paced course consists of eight lessons. Two continuing education units may be earned by successfully completing the lessons and final exam. The fee for the course is \$44.

To enroll or obtain additional information regarding the course, telephone the Division of Continuing Education at (806) 742-2352, or toll-free at 1-800-MY COURSE.