

NEWS RELEASE

TEXAS TECH
HEALTH SCIENCES CENTER

News & Publications, HSC Bureau

3601 Fourth Street
Lubbock, TX 79430
(806) 743-2143
FAX (806) 743-2118

FOR IMMEDIATE RELEASE
REF: A-5-13-91
CONTACT: Pearl Trevino

LUBBOCK -- A course on the legal issues in nursing will be offered by the Texas Tech Health Sciences Center (TTHSC) School of Nursing Continuing Education Program May 31 in Junction.

"Legal Responsibilities" will address issues facing health care providers, including liability, new legislation, reporting requirements under the Texas Nurse Practice Act and required peer review committees.

Presenter Kip Poe, R.N., J.D., is an assistant professor at TTHSC School of Nursing. She teaches legal and ethical courses for health care providers. Formerly, Poe served as an associate with the law firm of Fulbright & Jaworski in Houston. She is a member of several nursing and legal associations.

Registration costs \$26 before May 17 and \$41 afterward. On-site registration will begin at 8:30 in the Packard Lab - East Classroom at the Junction Center. Participants will receive 0.5 CEUs.

For more information call the Continuing Nursing Education Program at (806) 743-2734. Partial funding for the course has been provided by Abell-Hanger Foundation.

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FOR IMMEDIATE RELEASE
REF: 1-5-13-91
CONTACT: Myrna Whitehead

LUBBOCK -- Calvin G. Barnes, Ph.D., associate professor of geology at Texas Tech University, has been named the recipient of a J. William Fulbright grant. The grant, which includes travel and expenses, will enable Barnes to conduct geologic research at the University of Trondheim in Trondheim, Norway July 8 through December.

Barnes will study the origin and structural history of 400 million-year-old granitic rocks along the western coast of the Norway and attempt to relate these granites to similar rocks on coasts in Britain and New England.

In Norway, Barnes will collaborate with Professor Tore Prestvik, who visited Lubbock during a sabbatical in 1988.

A Texas Tech faculty member since 1982, Barnes served as assistant professor of geology until he was named an associate professor in 1988. He received a bachelor's degree in geology in 1975 from the University of Nebraska in Lincoln and a master's degree and doctorate in geology in 1978 and 1982, respectively, both from the University of Oregon in Eugene.

Approximately 1,800 United States grantees will travel abroad for the 1991-92 academic year under the Fulbright program. The program was established in 1946 with Congressional legislation introduced by former Arkansas Sen. J. William Fulbright in an effort to increase mutual understanding between the people of the United States and other countries. Grant recipients are selected on the basis of academic and professional qualifications as well as ability and willingness to share experiences with people of diverse cultures.

The program is administered by the U.S. Information Agency under guidelines established by the J. William Fulbright Foreign Scholarship Board and numerous private organizations. Scholarships are awarded through open competition with final selection by the board.

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FOR IMMEDIATE RELEASE
REF: B-5-14-91
CONTACT: Pearl Trevino

LUBBOCK -- The Library of the Texas Tech Health Sciences Center will present the American Rehabilitation Educational Network video teleconference "Assessing Cognitive Disability in the Elderly" 1-3 p.m. and 7-9 p.m. May 21 in Room 2B152.

The course will discuss cognitive functioning, performing assessments, interpreting the assessment scores and establishing treatment goals for cognitive disability in the elderly.

Presenter Claudia K. Allen, a faculty member at the University of Southern California, has developed an important rating tool for evaluating the levels of dementia in patients with Alzheimer's disease.

Registration costs \$25. For more information or to register, call the Teaching and Learning Center at the Library of the Health Sciences, 743-2213.

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FOR IMMEDIATE RELEASE
REF: 1-5-14-91
CONTACT: Jennifer LeNoir

(EDITOR'S NOTE: An engineering student from your area is included in this release).

LUBBOCK -- Ten engineering students at Texas Tech University recently completed research projects funded by a \$48,000 grant from the National Science Foundation.

Individual stipends of \$3,000 enabled undergraduate students to embark on extensive, independent research projects that are part of a new program called "Project Succeed." Supplies and equipment for the projects were purchased with the remaining \$18,000.

The goal of the project focuses on strengthening the learning skills of students through applied research projects. The most effective form of accomplishing the goal is to incorporate quality research experiences at the undergraduate level, said Clifford Fedler, associate professor of agricultural engineering at Texas Tech.

"While basic engineering principles are taught in core courses, rarely are they applied to real world problems. However, if students are required to apply these principles and use or develop a methodology, the result often is a stronger understanding of those principles," said Fedler.

Throughout the fall and spring semesters, students worked one-on-one with a faculty member on their selected research topics. They met weekly to discuss their projects and to exchange ideas, he said.

Students participating in the project were composed of non-conventional students, including minorities, females, adults age 25 or older and students from small schools that lack the personnel or facilities necessary to properly prepare them for university level work in engineering.

This is the first year for Texas Tech to participate in the program. Currently, students from a dozen universities throughout the nation are participating in the project.

With the development of an undergraduate research group, we can provide our students with the excitement of an enhanced learning experience that includes both theory and hands-on training," he said.

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NSF GRANTS/PAGE 2

The following students were grant recipients: Byron Neal, a sophomore agricultural engineering student from Bovina for "The effects of mixed sizes on the flow of hygroscopic granular materials"; Amy Clark, a senior computer science major from Dallas for "Simulation testing of an application of an object-oriented analysis methodology to a real-time embedded system; Kelly Nite, a junior chemical engineering major from Amarillo for "Enhanced nitrogen production from membrane separators by addition of a vacuum"; Joe Don Nevill, a sophomore agricultural engineering major from Tahoka for "Ultra-low speed DC electrical generation for wind systems"; Nanette Burrell, a sophomore electrical engineering major from Dallas for "Junction experience: A solution to problems in minority higher education."

Additional projects were completed by: David Salazar, a sophomore civil engineering major from Uvalde for "Environmental impact of migratory waterfowl on playa lakes in Lubbock"; Rachel Dillman, a freshman agricultural engineering major from Austin for "Effects of mixed size and material type on thermoconductivity"; Angela Loftis, a junior chemical engineering major from Tyler for "Solar energy absorption in shallow ponds for algae production"; David Murphy, a junior computer science major from Borger for "Simulation of a static granular flow system using object-oriented programming" and Bill Staples, a freshman agricultural engineering major from Floydada for "Effects of moisture and temperature on grain damage."

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FOR IMMEDIATE RELEASE
REF: C-5-15-91
CONTACT: Preston Lewis

LUBBOCK -- Dr. Thomas Allen Bruce, program director for the W.K. Kellogg Foundation, will deliver the commencement address during Texas Tech University Health Sciences Center graduation ceremonies at 1 p.m. Saturday (May 18) in Lubbock Memorial Civic Center.

The ceremony in the Civic Center Exhibit Hall will recognize 93 graduates in the School of Medicine, 71 in the School of Nursing and 47 in the School of Allied Health. The new graduates will bring to 1,897 the number of alumni of the Texas Tech Health Sciences Center. The graduation ceremony will be followed by a reception for all graduates.

Prior to commencement activities, each school will hold an awards ceremony recognizing outstanding students in the Class of '91. The School of Medicine honors ceremony will be at 3 p.m. Friday in the Allen Theater in the University Center. The School of Nursing honors program will be at 9:30 a.m. Saturday in the University Center Ballroom. The School of Allied Health will hold its awards program at 10 a.m. Saturday in the Civic Center Theater.

Commencement speaker Bruce is former dean of the College of Medicine for the University of Arkansas and author of "Improving Rural Health: Initiatives of an Academic Medical Center." As program director for the Kellogg Foundation, Bruce develops and reviews foundation programming priorities, recommends proposals for funding and administers projects. His area of concentration is in bettering health and health care services.

The Kellogg Foundation, headquartered in Battle Creek, Mich., is one of the largest private philanthropic organizations in the world. Established in 1930 to "help people help themselves," the foundation has distributed more than a billion dollars to support programs in agriculture, education and health in the U.S., Latin America, the Caribbean and southern Africa.

Over the years, Kellogg Foundation programs have emphasized adult continuing education; community-based, problem-focused health services; a wholesome food supply; and broadening leadership capacity for individuals. The foundation has supported several projects at the health sciences center, including grants of \$2.37 million for KARENTE and a new four-year, \$2.1 million grant for a binational border health project through Texas Tech's Regional Academic Health Center in El Paso.

FOR IMMEDIATE RELEASE
REF: 3-5-15-91
CONTACT: Jennifer LeNoir

(EDITOR'S NOTE: A student from your area is included in this release).

LUBBOCK -- Students in the department of mechanical engineering at Texas Tech University recently completed a senior design project that focused on converting a riding lawn tractor to run on compressed natural gasoline (CNG).

The lawn tractor was converted to run on CNG to investigate the application of alternative fuels on small engine vehicles. The project was part of a mechanical engineering senior design course.

Students involved in the project included senior mechanical engineering majors Bryan Henke of Plano, Chad Bryan of Lubbock and Gordon Foster of San Francisco, Calif., who graduated in May.

The tractor was donated to the department by Snapper Power Equipment and Rasor West Inc., a wholesale distributor in Lubbock.

According to Timothy T. Maxwell, associate professor of mechanical engineering at Texas Tech and a faculty adviser for the project, one major advantage of operating CNG-fueled engines is that they produce much less pollution than gasoline engines. In particular, carbon dioxide and non-methane hydrocarbon emissions are reduced substantially.

"The donation of the lawn tractor is a small part of the lawn and garden industry's efforts to help keep the environment clean. The payoff for the consumer is that they one day may own a tractor that is more powerful than a gasoline-powered vehicle while it also increases the life span of the engine," said Roger Reynolds, vice president and general manager at Rasor West Inc.

Faculty advisers for the project were Maxwell and Jesse C. Jones, a mechanical engineering lecturer at Texas Tech.

FOR IMMEDIATE RELEASE
REF: 4-5-15-91
CONTACT: Jennifer LeNoir

LUBBOCK -- Texas Tech University's Division of Continuing Education and the department of landscape architecture will host a workshop titled "PC Based Computer Aided Design for the Landscape Architect -- An Introduction for Practitioners" May 22-24 on the Texas Tech campus.

Registration is open to landscape designers, architects and individuals involved in land planning. The introductory workshop is designed for businesses currently using or planning to use computer aided design (CAD).

The workshop will focus on PC-based AutoCAD/LANDCADD, currently the most comprehensively used software for CAD.

Participants will have the opportunity to perform CAD functions and procedures that will be demonstrated during the workshop. Additionally, they will learn how and when it is necessary to use CAD by analyzing a variety of design/production case studies. Participants will learn how to perform functions such as line drawing and editing, blocking, layering, file managing and plotting and printing of their work.

Participants also will learn about the basic considerations when purchasing CAD hardware and software.

The workshop will be conducted by Robert Marlett, Ed.D., associate professor of park administration and landscape architecture at Texas Tech, and Dan Rabin, owner and consultant at Rabin Technical Resources in Franktown, Colo.

The registration fee for the workshop is \$197, which includes AutoCAD and LANDCADD materials and a hardcopy of the individual work. Conference registrants may stay at the Barcelona Court Hotel at a special rate of \$55 for individuals and \$65 for two people. Texas Tech will provide transportation to and from the campus during the workshop.

For more information contact Birgit Rahman at (806) 742-2352, Ext. 244.

MEDIA ADVISORY**TEXAS TECH**
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News & Publications

Lubbock, TX 79409-2022
(806) 742-2136
FAX (806) 742-1615CALENDAR WEEK MAY 17-24
REF: 5-5-16-91
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.)

- MAY 17** 67th annual meeting of the Rocky Mountain Division of the American Association for the Advancement of Science continues on campus through May 18
- Continuing Nursing Education Course -- "The Gentle Art of Verbal Self Defense" by Suzette Haden Elgin, director of the Ozark Center of Language Studies; co-sponsored by Abell-Hanger Foundation; 8:30 a.m., TTHSC Room 2C103
- School of Medicine awards ceremony
3 p.m., University Center Allen Theater
- MAY 18** School of Nursing awards ceremony
9:30 a.m., University Center Ballroom
- School of Allied Health awards ceremony
10 a.m., Lubbock Memorial Civic Center Theater
- Texas Tech Health Sciences Center commencement
1 p.m., Lubbock Memorial Civic Center
- MAY 21** Teleconference -- "Assessing Cognitive Disability in the Elderly" by Claudia K. Allen of the University of Southern California, sponsored by the Library of the Health Sciences,
1-3 p.m. and 7-9 p.m., TTHSC Room 2B152

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FOR IMMEDIATE RELEASE
REF: 6-5-16-91
CONTACT: Steve Kauffman

(MEDIA ADVISORY: Media are invited to attend symposium events and to interview participants. For arrangements, contact the Office of News and Publications.)

LUBBOCK -- More than 250 real-life cowboys and authorities on the American West will honor the past and present working cowboy during the third annual National Cowboy Symposium and Celebration May 30 through June 2 in Lubbock.

The celebration will offer poetry, storytelling, art, music and craftwork of the authentic cowboy. Also, academicians, authors and other cowboy culture authorities will participate in presentations, discussions and exhibits.

All events are open to the public and will be held on the Texas Tech University campus and at the Panhandle South Plains Fairgrounds.

"We've tried to cover every aspect of this Western culture. And over the past three years, this celebration has become the most comprehensive cowboy culture event in the country," said Alvin G. Davis, general manager of Texas Tech's Ranching Heritage Association and chairman of the local event.

Davis said most other cowboy poetry events focus solely on poetry, music and storytelling and sometimes offer exhibits of craftwork. However, he noted, few events additionally host academic presentations and panel discussions on topics ranging from turn-of-the-century ranch life to television and movie trends to women and black cowboys on the ranch.

Among the diverse slate of this year's panelists and performers are nationally known cowboy poet Waddie Mitchell, humorist and cowboy cartoonist Ace Reid, western novelist Max Evans, actor Barry Corbin and singer Don Edwards.

Entertainment events include nightly storytelling and musical performances, an authentic cowboy church devotional and an arena performance with roping, penning and cutting competitions.

Other highlights, in addition to a schedule of 52 daytime panel discussions, are a western book fair with popular and rare works, a contemporary and historical cowboy photography exhibit and a commercial exhibit with more than 100 vendors.

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COWBOY SYMPOSIUM/PAGE 2

To kick off the celebration on May 30, there will be a reception and opening of exhibits at 7 p.m. in Texas Tech's University Center followed by a cowboys' dance at 9 p.m. in the University Center Coronado Room. The University Center is located on the campus at 15th Street and Boston Avenue.

The symposium's opening session will begin at 10 a.m. May 31 in the University Center Allen Theater. Panel discussions will follow throughout the day until 6 p.m. and continue from 9 a.m. to 6 p.m. June 1 in locations throughout the University Center.

Evening performances will be at 7 p.m. and at 9 p.m. May 31 and June 1 in the University Center Allen Theater. Each of the late performances will include presentations of the symposium's cowboy culture awards. The June 1 late performance also will feature the awarding of the Tom Blasingame Working Cowboy Award named in honor of the legendary cowboy who was still working full time for the JA Ranch in Palo Duro at the time of his death in 1990 at age 92.

On June 1, the symposium will offer a noon barbecue lunch and tour of Texas Tech's Ranching Heritage Center. The Ranching Heritage Center, part of the Museum of Texas Tech University, is an outdoor museum that represents the history of ranching from the 1830s-1930s with a collection of 30 historic ranching structures.

On the final day of the symposium, June 2, activities will shift to the Livestock Pavilion of the Panhandle South Plains Fairgrounds, Fourth Street and Avenue A. The public can take part in a chuck wagon breakfast at 9 a.m. and attend a non-denominational cowboy church devotional at 10 a.m.

The day will conclude with a cutting, team roping and team penning competition from 1-4 p.m. with participants from as far away as California, Wyoming, Tennessee and Idaho.

All events are open to the public. An individual pass for the two days of daytime sessions and the kick-off dance is \$5 for adults and \$2.50 for children under 12. Tickets for each of the evening performances and the rodeo are \$5 for adults and \$2.50 for children. Barbecue lunch prices are \$5 and \$7. The chuck wagon breakfast is \$3.

For additional information or for a detailed schedule of events, contact the Ranching Heritage Association, Texas Tech University, P.O. Box 4040, Lubbock, Texas 79409, (806) 742-2498.

FOR IMMEDIATE RELEASE
REF: 7-5-16-91
CONTACT: Steve Kauffman

(MEDIA ADVISORY: Media are invited to attend the open forum at 2:30 p.m. in Home Economics Room 111. Additionally, interviews can be arranged with the forum panelists by contacting Don Garnett, Texas Tech TASP director, at 742-2244.)

LUBBOCK -- Educators and parents can learn more about the Texas Academic Skills Program (TASP) during the West Texas Regional TASP Conference from 9:30 a.m. to 4 p.m. Monday (May 20) on the Texas Tech University campus.

Sessions, conducted by higher education professionals, will be divided into three tracks: remediation, including evaluation, methods, attendance and monitoring; advisement, including placement and evaluation; and tracking, including notification, inter-institutional verification and admissions issues.

All presentations will be held in the Home Economics Building.

A highlight of the conference will be an afternoon open forum on current testing and legislative issues. Panelists will be Amy LaSalle, manager of test administration for National Evaluation Systems Inc., and Mike Kirker, program director of the Texas Higher Education Coordinating Board.

The fee for the day-long conference is \$10 per person.

At-the-door registration will begin at 9 a.m. in the Home Economics El Centro Courtyard. For more information, contact the Texas Tech TASP Office at (806) 742-2244.

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HEALTH TIPSHEET
for
TEXAS TECH HEALTH SCIENCES CENTER
May 17, 1991

INJURY PREVENTION -- As medical bills and insurance premiums continue to rise, many businesses are turning to occupational medicine to help contain costs. Becoming a more widely recognized medical specialty, occupational medicine focuses on matching the job to the employee, both physically and psychologically, and on preventing injuries and illness, says Anthony Way, M.D., of the TTHSC department of preventive medicine and community health. Rather than just cure problems after they develop, occupational medicine tries to maximize employee health status through a regular program of health exams and assessments. Companies, he said, are finding that money invested in occupational medicine improves productivity, reduces employee sick leave and helps limit increases in health insurance premiums. For details on the field of occupational medicine and its role in today's health care, contact Way at (806) 743-2485.

EAR INFECTIONS -- Even during the summer months, many kids will be diagnosed as having them. Usually, ear infections are harmless, but antibiotics -- when prescribed -- need to be used until the medication is gone, says TTHSC Pediatrician Wallace Marsh, M.D. Symptoms may disappear within a couple of days, but if the medication is stopped before running full course, more serious problems can develop. The fluid remaining in the inner ear can cause hearing impairment, which can trigger speech problems and can shorten attention spans in very young children. So, says Marsh, just as an overdose of medication is extremely harmful, an "underdose" can trigger its own form of problems, especially when it comes to kids. For more on dealing with childhood ear infections, contact Marsh at (806) 743-2322.

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

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FOR IMMEDIATE RELEASE
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CONTACT: Preston Lewis

LUBBOCK -- Graduating medical students Tina S. Haynes, Warren W. Boling and Michael J. Rauzzino received top awards during the Texas Tech School of Medicine's senior awards ceremony Friday.

Haynes of Clovis became the first woman to win the school's Gold-Headed Cane Award, which is determined by a vote of the faculty and the graduating class. The Gold-Headed Cane is presented annually to the graduating medical student voted as representing the best ideals of the outstanding physician.

Boling of Arlington was awarded the Dean's Highest Academic Achievement Award which goes to the student ranking No. 1 academically in the graduating class.

Rauzzino received the Upjohn Achievement Award given for overall humanitarianism, scholarship, clinical expertise and leadership.

Also during the ceremony, new members in Alpha Omega Alpha Honor Medical Society were recognized. Membership in the national honorary society is limited to the top 15 percent of each graduating class.

New members are: Bruce Applebaum, Matthew Barrows, Warren W. Boling, Mark Buckner, Mark Bullard, Cindy Brisbin Clouette, Sam Colley, Emmette Flynn, Tina S. Haynes, Timothy Kirkland, Anthony Lucci, Roy McClintock, Meko Radomski, Scott Smith and Gregory Woods.

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CONTACT: Myrna Whitehead

[EDITOR'S NOTE: Media representatives are invited to attend any portion of the Kite Retreat May 24-27 in Junction. For arrangements, contact Betty Street at the Texas Tech University Center at Junction at (915) 446-2301.]

LUBBOCK -- The third annual Junction International Kite Retreat will conduct a kite flying demonstration from 1-5 p.m. May 26 at the Texas Tech University Center at Junction. The public is invited to view the demonstration at no charge.

Kite enthusiasts from the United States, China, Australia and Japan will fly kites ranging from large parafoil kites to miniature kites that are less than three inches wide.

During the weekend retreat, international kite-builders will join other builders from Illinois, Washington, Oklahoma, Colorado and Texas to demonstrate their techniques. The artists will craft kites of various sizes and shapes with materials including cloth, paper and plastic.

Among the presenters will be retired Texas Tech faculty member Bill Lockhart whose kites have been featured in Smithsonian magazine.

For more information, contact Betty Street, assistant director at the Junction campus, at (915) 446-2301.

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