

MEDIA ADVISORY

TEXAS TECH
University & Health Sciences Center

News and Publications

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

FOR IMMEDIATE RELEASE
REF: A-9-18-90
CONTACT: Kim Davis

(MEDIA ADVISORY: You are invited to attend the 12th Annual Seminar in Obstetrics and Gynecology Sept. 28-29 in the McInturff Conference Center of University Medical Center, located at 602 Indiana Ave.)

LUBBOCK -- Medical advances in such areas as male infertility, contraceptives and the management of diabetic pregnant women will be the focus of the 12th Annual Seminar in Obstetrics and Gynecology Sept. 28-29 in the McInturff Conference Center of University Medical Center.

James P. Youngblood, M.D., from the University of Missouri-Kansas City and Russell Malinak, M.D., from Baylor College of Medicine will be the highlighted speakers. Youngblood will discuss medical progress in the evaluation and repair of specific gynecological defects. In a second lecture, he will discuss advances in clinical fetal assessment.

Malinak will lecture on the prevention of adhesions in gynecologic surgery. In later discussions, he will focus on current concepts involving endometriosis.

The seminar, in conjunction with the Family Medicine Lecture Series, is sponsored by the Texas Tech University Health Sciences Center (TTHSC) and University Medical Center. Preregistration for physicians is \$100. Registration at the door will be \$125. Other health care professionals can register for \$60. Preregistration deadline is Sept. 24.

For more information about the seminar or to register, contact the TTHSC office of continuing medical education at 743-2929.

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LUBBOCK -- It's that time of year again -- players are playing, coaches are coaching and trainers are training for a winning season. And, as the year progresses, doctors will be doctoring.

But how well those doctors will doctor depends a lot on how well the coaches, trainers and players have responded to injuries.

Recognizing a serious injury and making the proper layman's diagnosis quickly is an important key to treating a hurt player, according to Robert Yost, M.D., director of the Texas Tech Health Sciences Center's (TTHSC) Sports Medicine Division and chairman of the Department of Orthopedics. The actions taken on the field, he said, are often the ones that can determine the outcome of a serious injury.

Especially in football, a common fear among coaches, trainers and doctors alike is an injury involving the head or spinal cord, according to Sylvanus Ayeni, M.D., of the TTHSC Medical and Surgical Neurology Department.

"Fortunately, the players' heads are well-protected," Ayeni said. "But accidents will occasionally happen, and the actions taken on the field by the coaches and trainers often affect the ultimate outcome."

In dealing with a head injury, he said, the most important assessment must be based on the player's level of consciousness. If the player is completely alert following a blow to the head and is not nauseated or dizzy, and has no significant headache or other neurological problem, the athlete can usually return to the game. However, Ayeni said, if any weakness or numbness on either side of the body is associated with the injury, immediate attention is needed.

"With spinal cord injuries, timing and initial care at the time of the incident is most important," Ayeni said. "It's a scary thing for a coach or a trainer because what they do will affect the rest of the life of that player lying there on the field."

Secondary injuries -- often due to people trying to help -- are many times the ones that cause life-long consequences. The key is to treat all potential spinal injuries as definite spinal injuries, especially if the player is unconscious.

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INJURIES/PAGE 2

Although serious head and spinal cord injuries in athletes are relatively uncommon, Ayeni said, it is important for coaches and trainers to be able to recognize them and take the proper precautions.

However, an array of other injuries are all too common. Yost, an orthopedic surgeon, explained some of the most common injuries and how to recognize them:

*Dislocated shoulders -- The game's over for the player who dislocates his shoulder, especially if it's the first time for a dislocation. This injury is very noticeable because of an obvious deformity in the shoulder area. Some players habitually dislocate their shoulders and although it is painful, they are often able to set the ball and socket joint back into place. But for the first-timer, medical attention is needed as soon as possible.

*Sprained wrists -- These can be disguised as a more serious problem. Many coaches and players alike will mistake a break for only a sprain. If there is crackling or grinding in the wrist area during movement, chances are, the bone is broken. There really is no way to tell the extent of the injury without an x-ray, Yost said, and a coach should never assume that if the player can move the wrist, it isn't broken.

*Knee injuries -- Any injury to the knee is both painful and frightening to the player. Calming the player, Yost said, is always the first step in dealing with the injury. The coach or the trainer should ask if the player heard or felt anything pop in the knee area. If so, the knee should be examined by a physician as soon as possible. Generally, if the knee swells quickly or if there is an obvious difference in the injured knee compared to the other knee, medical help is needed. A painful and career-threatening injury, knee damage is possibly the most common concern among coaches, trainers and players alike. The most common knee injury involves a ligament sprain on the inner portion of the knee.

A dislocated kneecap, Yost said, is visually obvious and should be treated by a physician immediately.

*Sprained ankles -- Like wrists, it's usually a bad sign if there is any crackling or grinding when the player tries to move the ankle. This could be a sign of a broken bone, especially if swelling is almost immediate.

INJURIES/PAGE 3

Many serious injuries, Yost said, are not immediately recognizable. Players should be encouraged to complain if they're in pain. All too often, players will avoid complaining for fear of not being "tough." In the long run, this will only hurt the player more.

"If there's ever any doubt, the injury should be given medical attention," Yost said. "You never can be too sure."

It may be tough to lose a key player for a week or two, he added, but it's much better than cutting short a young athlete's entire career because of an untreated injury.



cutline ----

FOR IMMEDIATE RELEASE
REF: 3-9-18-90
CONTACT: Steve Kauffman

TREND SETTER -- Texas Tech University sophomore James Parker of Austin recently became the first person to sport the Texas Tech collegiate license plate. Parker's plates were among a shipment of 25 sets received earlier this month at the Lubbock County Tax Assessor-Collector's Office. More than 100 license plate applications from around Texas have been processed by the Texas Department of Highways and Public Transportation since applications for the Texas Tech plates became available in August. The collegiate license plate program was created during the 1989 legislative session to benefit state universities and colleges. At Texas Tech, \$25 from each set of plates ordered goes into a general scholarship fund. (Texas Tech News and Publications photo by Darren Poore)

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FOR IMMEDIATE RELEASE

REF: 4-9-19-90

CONTACT: Chris Patterson

[MEDIA ADVISORY: Members of the media are invited to attend any of the Livestock Day events scheduled for 9 a.m. to 4 p.m. Friday (Sept. 21) at the Texas Tech University Livestock Arena, located at Indiana Avenue and the Brownfield Highway. For free tickets to the prime rib luncheon, contact the department of animal science at 742-2513.]

LUBBOCK -- U.S. Congressman Charles Stenholm on Friday (Sept. 21) will join some of the nation's leading experts and researchers on the beef cattle industry to discuss "The Beef Production Business" at Texas Tech University's Livestock Day.

The annual event, sponsored by the department of animal science, will be from 9 a.m. to 4 p.m. in the Livestock Arena, located at Indiana Avenue and the Brownfield Highway. Livestock Day is free and open to the public.

Stenholm, the last speaker of the day at 3 p.m., will address "The Washington Scene" as it relates to agriculture and the beef cattle industry. A democrat from Stamford, Stenholm is a representative from congressional District 17 in the Texas Panhandle around Amarillo.

Other participants include the co-founder and chief executive officer of the largest cattle feeding company in the United States, Cactus Feeders Inc. Paul Engler will evaluate cattle in his demonstration at 1:30 p.m. to explain "Value Based Marketing," a system that allows packers to pay producers for each animal rather than an average price for each head in a lot of cattle.

A talk by Jo Ann Smith, assistant secretary of marketing and inspection for the U.S. Department of Agriculture, also will be part of the day's events. At 2:15 p.m. Smith will address the need for accountability of the dollars raised through the beef check-off program.

Rod Bowling, vice president of research, development and quality assurance at Montford Inc. of Colorado, at 11 a.m. will present "The Packer's Viewpoint."

"Needed Research for the Cattle Industry" will be the topic reviewed by Glenn Klippenstein, chairman of the Beef Promotion and Research Board. Klippenstein, who will speak at 10:15 a.m., also is a partner/manager in Glenkirk Farms of Maysville, Mo.

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LIVESTOCK DAY/PAGE 2

Two research areas that focus on changing the carcass composition of cattle will be addressed during the morning. Rodney Preston, Thornton Distinguished Professor of animal science at Texas Tech, will discuss the uses of implants and feed additives to make beef products leaner. Ronnie Green, assistant professor of animal science at Texas Tech, will examine the genetic possibilities of changing carcass composition.

Texas Tech President Robert W. Lawless also will be part of the program. At 11:45 a.m. Lawless will deliver a "State of the University" address.

Registration for Livestock Day will begin at 9 a.m. A lunch of prime rib, served at noon by the Block and Bridle Club, will be available for \$7.50. The lunch will feature a fashion show, "Fashion for Cattlemen and Cattlewomen," presented by Bill Price's Western Shop of Lubbock.

Livestock Day is one of several activites held during Golden Spur Weekend. The weekend is sponsored each year by the Ranching Heritage Association to commemorate the livestock and ranching industries. Other events include the Golden Spur Award and Prairie Party at 6:30 p.m. Friday at the Memorial Civic Center and Ranch Day 9:30 a.m. to 4 p.m. Saturday at the Ranching Heritage Center of the Museum of Texas Tech University.

CALENDAR WEEK SEPT. 21-28
REF: 6-9-20-90
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.)

- SEP 21** Livestock Day, sponsored by the department of animal science in conjunction with Golden Spur Weekend,
9 a.m. to 4 p.m., Livestock Arena
(release ref: 4-9-19-90)
- National Golden Spur Award Banquet,
sponsored by the Ranching Heritage Association,
7 p.m., Lubbock Memorial Civic Center
(release ref: 2-8-28-90)
- SEP 22** Seminar -- 12th annual EMS Update, "Working Together in EMS: Challenges for the 1990s," sponsored by South Plains Emergency Medical Services Inc. and Texas Tech Health Sciences Center,
7:30 a.m. to 5:20 p.m., TTHSC Room 5B148
- Ranch Day, sponsored by the Ranching Heritage Association, in conjunction with Golden Spur Weekend,
9:30 a.m. to 4 p.m., Ranching Heritage Center
(release ref: 2-8-28-90)
- SEP 23** Faculty recital -- Margaret Redcay, flute, and Steven Glaser, piano
8:15 p.m., Hemmle Recital Hall
- SEP 25** United Way luncheon
noon, TTHSC Room 2B152
- SEP 28** Seminar -- 12th annual Seminar in Obstetrics and Gynecology Family Medicine Lecture Series, sponsored by Texas Tech Health Sciences Center and University Medical Center through Sept. 29
8 a.m., UMC McInturff Conference Center

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CALENDAR/PAGE 2

- SEP 28 cont. Board of Regents committee meetings
9:30 a.m., TTHSC Room 2B152
(advisory will be mailed)
- Ex-Students Association Top Techsan awards luncheon
noon, University Center Ballroom
(release ref: 7-9-21-90)
- Century Club reception/dinner
sponsored by the Ex-Students Association
6:30 p.m., Lubbock Memorial Civic Center
(release ref: 7-9-21-90)
- Friends of the University Library/Southwest Collection
annual banquet and membership meeting
7 p.m., University Center Ballroom
(release ref: 8-3-15-90)
- Homecoming pep rally and bonfire
7:30 p.m., south of University Medical Center
(release ref: 7-9-21-90)
- Guest artist recital -- James Sheppard, electronic music
8:15 p.m., Hemmle Recital Hall

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HEALTH TIPSHEET
from
TEXAS TECH HEALTH SCIENCES CENTER
September 21, 1990

FAMILY CRISIS -- When a neurological disorder strikes, it affects more than just its victim. It strikes the whole family. That is why the TTHSC Neurology of Aging Center has established a "care team" to help not only victims of Alzheimer's disease and other neurological disorders but also their families. Any chronic illness of the nervous system is bad enough to deal with, says TTHSC neurology Chairman Joseph B. Green, M.D., but on top of that you have family, socioeconomic and psychological complications. The bottom line is simply that the ramifications of such a disease are so diverse, a neurologist alone cannot deal with all of them. For instance, a TTHSC "care team" will typically include a neurologist and a nurse, as you would expect, as well as a social worker and a psychologist. These specialists can help the patient and the family understand what to expect from a disorder, how it will affect their finances, how it will shake their peace of mind and what they can do to ease the emotional burden. In addition to helping patients, the medical professionals learn from the other disciplines ways to deal more effectively with them and their families. For more on the concept or to arrange a meeting with the team, a patient and family, contact Green at (806) 743-2720.

HAIR TODAY -- Gone tomorrow. Sad but true for more than 95 percent of all men who will experience at least some hair loss during their lifetimes. And, despite the claims, over-the-counter oils, lotions, creams, shampoos and treatments are leaving many men poorer, but no hairier. Today, the only treatment that is medically available is a drug called minoxidil, which is showing mixed results in fighting hair loss, according to Kenneth Neldner, M.D., of the TTHSC department of dermatology. Minoxidil, he said, may slow the rate of hair loss, but may not stimulate new hair growth in already bald areas. The chances, he said, are only about one in three that minoxidil will stimulate any growth of cosmetically acceptable hair. Additionally, favorable results are maintained only by continued use of the medication, which costs about \$50 per month. For more information about hair loss and its possible treatments, contact Neldner at (806) 743-2454.

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

D-9-21-90

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FOR IMMEDIATE RELEASE
REF: C-9-21-90
CONTACT: Pearl Trevino

LUBBOCK--A course to help advanced nurse practitioners deal with a myriad of situations they may encounter on the job will be presented Oct. 13 at the Texas Tech Health Sciences Center (TTHSC).

"Potpourri for Advanced Nurse Practitioners" will examine legal aspects of their practice, identify at risk populations and care management for Perinatal AIDS patients, discuss legal-ethical issues and identify strategies for furthering advanced nursing practice.

Presenters will include Susan Imke, a family nurse practitioner at the Barrow Neurological Institute, Phoenix, Ariz., and Nancy Reedy, director of Nurse-Midwifery and Nurse Practitioner Services at Parkland Memorial Hospital in Dallas.

TTHSC presenters will be nursing faculty members Kip Poe, a registered nurse and a lawyer formerly associated with the Houston law firm of Fulbright & Jaworski, and Nancy Ridenour, a family nurse practitioner and associate dean for the TTHSC graduate program in nursing.

The day-long session will begin with registration at 8:30 a.m. in TTHSC Room 2B152. Cost is \$28 if registered before Sept. 28 and \$43 afterward. Participants in the course will receive 0.6 continuing education units.

For more information, call the Continuing Nursing Education Program at (806) 743-2734. The course is sponsored by the TTHSC Continuing Nursing Education Program and Abell-Hanger Foundation.

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FOR IMMEDIATE RELEASE
REF: 5-9-21-90
CONTACT: Chris Patterson

LUBBOCK -- The Texas Agricultural Loan Mediation Program at Texas Tech University recently was recertified by the U.S. Department of Agriculture to assist agricultural borrowers and creditors in reaching mutually agreeable solutions to distressed loan situations.

Gary Condra, project leader for the program, said that since the establishment of the Agricultural Loan Mediation Program in December 1988, the program has handled more than 200 cases.

"Nearly two-thirds of these cases have resulted in voluntary agreements, avoiding foreclosure, bankruptcy or other litigation," he said.

Condra said any farm or ranch borrower or creditor can initiate a request for the services of the program by contacting the Agricultural Loan Mediation Program offices at (806) 742-1949.

With the recertification, Condra announced a reorganization of the program staff. Carter Snodgrass was promoted to the position of director of the program. Snodgrass formerly served as associate director, and Condra formerly served as both project leader and director.

Included in the reorganization was the promotion of Judy Schreiber to the new position of coordinator-mediation. Schreiber, a certified mediator and trained paralegal, formerly served as administrative assistant to the director.

Craig Blackwell also has been named to the new position of coordinator-negotiation. Blackwell, a native of Spur, is a 1973 animal production graduate of Texas Tech University. He has been associated since 1985 with the State Bank of Atwood, Kan., most recently serving as president and chief operating officer.

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REF: 7-9-21-90

CONTACT: Steve Kauffman

LUBBOCK -- The tradition of bonfires, beauty queens and parades will return to the Texas Tech University campus with the 1990 Texas Tech Homecoming Friday and Saturday (Sept. 28-29).

Following the weekend's theme "The Legend Continues," one of the more legendary events will be the annual pep rally and bonfire at 7:30 p.m. Friday in an outdoor area south of University Medical Center, Texas Tech Freeway and Indiana Avenue.

The Texas Tech marching band, cheerleaders and other campus spirit groups will participate in the rally. Among the highlights will be the bonfire, coordinated by the Saddle Tramps, and the announcement of the homecoming queen finalists selected earlier in the week by student vote.

The 1990 homecoming queen will be named during a ceremony before the 7 p.m. Texas Tech-Baylor University football game kickoff Saturday.

Activities Saturday will be prefaced by the annual homecoming parade with more than 60 campus and community parade entries.

The parade will begin at 10 a.m. at the George M. Mahon Library at Ninth Street and Avenue M. The entourage will travel south on Avenue M and west on Broadway to the Texas Tech campus entrance at University Avenue.

Grand Marshals for the 1990 parade are longtime Texas Tech supporters and well known community leaders Arch and Mina Lamb.

Aside from alumni reunions, award ceremonies will be among the major homecoming activities sponsored by the Texas Tech Ex-Students Association.

Former Texas Tech Regent Joe Pevehouse of Midland will receive the fourth annual Lauro F. Cavazos Award for support of the university and the Ex-Students Association. Two individuals, unnamed until the presentation, will receive the Distinguished Service Award for service to the university.

The awards will be presented during the alumni organization's Century Club Scholarship and Awards Dinner at 7:15 p.m. Friday in the Lubbock Memorial Civic Center Banquet Hall. A reception before the dinner will begin at 6:30 p.m. in the Civic Center Mezzanine.

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HOMECOMING/PAGE 2

G.W. Bailey, professional actor and former Texas Tech student, will serve as master of ceremonies at the dinner. Texas Tech President Robert W. Lawless will be the featured speaker. Special guests will be a group of more than 20 former Texas Tech Regents, some of whom served terms dating to the 1940s.

The Ex-Students Association will honor six non-teaching university employees as Top Techsans during the Ex-Students Council and Awards Luncheon at noon Friday in the University Center Ballroom. The staff members, selected for outstanding service to the university, also will be recognized during pre-game activities on Saturday.

The 1990 Top Techsans are: Indu M. Bilimoria, executive assistant to the vice president for fiscal affairs; Estelle Dowdle, academic program counselor in the College of Education; Marlene Hernandez, associate director of the Office of New Student Relations; Clara McNamara, senior administrative assistant in the Office of Research Services; Clyde Morganti, executive assistant to the president; and C. Don Wickard, registrar in the Office of Admissions and Records.

A complete schedule of Texas Tech's 1990 Homecoming weekend activities includes:

FRIDAY (Sept. 28):

8 a.m. to 9 p.m. -- Ninth annual Red Raider Road Race registration, U.C. Lobby

8 a.m. -- Ex-Students Association past presidents' breakfast, U.C. Green Room

9 a.m. -- Ex-Students Association Board of Directors meeting, U.C. Lubbock Room

noon -- Ex-Students Council and Awards Luncheon, U.C. Ballroom

noon -- Former Texas Tech Regents Luncheon, University Medical Center McInturff Conference Center

1 p.m. -- Ex-Students Council meeting, U.C. Lubbock Room

6:30 p.m. -- Ex-Students Association Century Club reception/dinner, Lubbock Memorial Civic Center Mezzanine and Banquet Hall

6:30 p.m. -- College of Architecture reception/dinner, Holiday Inn Civic Center

6:30 p.m. -- Department of electrical engineering alumni dinner, Lubbock Plaza Hotel

6:30 p.m. -- Outdoor concert featuring Ground Zero, pep rally site south of University Medical Center

7:30 p.m. -- Pep rally/bonfire, outdoor area south of University Medical Center

HOMECOMING/PAGE 3

SATURDAY (Sept. 29):

- 7-9 a.m. -- College of Agricultural Sciences breakfast, U.C. Ballroom
8 a.m. -- Ninth annual Red Raider Road Race, Student Recreation Center
8 a.m. -- School of Mass Communications breakfast, University Faculty Club
8:30 a.m. -- Department of health, physical education and recreation alumni reception, Women's Gym Room 110
8:30 a.m. -- College of Arts and Sciences breakfast, Holden Hall Recognition Garden
9:30 a.m. -- Department of chemical engineering open house, Chemical Engineering Building
10 a.m. -- Homecoming parade beginning at Mahon Library and ending at Texas Tech campus entrance at Broadway and University Avenue
10 a.m. -- College of Home Economics brunch, Home Economics El Centro Lounge
10:30 to noon -- College of Business Administration reception, Business Administration Room 150
11:30 a.m. -- 1950 and 1955 class reunion luncheon, University Center Ballroom
4:30-6:30 p.m. -- Pre-game tailgate party sponsored by the Ex-Students Association, inside the Lubbock Municipal Coliseum
3 p.m. -- Department of civil engineering reception, Civil Engineering Room 150
5 p.m. -- Departments of petroleum and chemical engineering barbecue, Petroleum Engineering Livermore Auditorium
5 p.m. -- Marching band rehearsal, School of Music parking lot
6:15 p.m. -- Marching band parade to Jones Stadium
6:30 p.m. -- Pre-game ceremony, Jones Stadium
7 p.m. -- Texas Tech vs. Baylor football game, Jones Stadium

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REF: 8-9-21-90

CONTACT: Shane Blair
or Kippie Hopper

LUBBOCK -- Composer and performer C. James Sheppard, who specializes in electronic and computer music, will perform at 8:15 p.m. Friday, Sept. 28, in Hemmle Recital Hall on the Texas Tech University campus. Tickets cost \$5 and will be available at the door.

Recognized in his field as a composer and solo performer, Sheppard has played across the United States, from San Antonio to New York. He has taught since 1978 in the theory/composition program, and currently he directs the Electronic Music Studio at Miami University in Oxford, Ohio.

Since 1983 he has furthered electronic and computer music with performances on an EVI, or electronic valve instrument. Sheppard will conduct a free workshop concerning the EVI at 10 a.m. Saturday, Sept. 29, in Hemmle Recital Hall.

Created by Nyle Steiner, the EVI combines computer technology with the articulate sounds of a synthesizer to create a wide range of musical compositions. One brass specialist describes the EVI as "unique in its capacity for personal expression."

Sheppard is a Ph.D. graduate of the University of Iowa where he was a Composition and Performing Fellow with the Center for New Music conducted by William Hibbard.

Reviewers have labeled Sheppard's performances as "jazzy," "gestural" and "pop." The **Computer Musical Journal** describes his work as "... a healthy dose of musical fun. Sheppard's wealth of gestural nuances -- tooting, crooning, snake charming and singing (are) truly remarkable." **Musical America** describes his performance as "... a jazzy impression through energetic improvisation."

Among his honors for his compositions, Sheppard has received two Individual Artist Fellowships from the Ohio Arts Council, an Ohio Research Grant in Electronic Music and numerous Standard Panel Awards from the American Society of Composers, Authors and Publishers (ASCAP).

Several of his compositions have been produced on the Opus One record label.

The Experimental Music Program, part of the School of Music at Texas Tech, is sponsoring Sheppard's visit and performance.

Hemmle Recital Hall is located in the Texas Tech Music Building. For more information, telephone 742-2270.

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FOR IMMEDIATE RELEASE
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CONTACT: Chris Patterson
or Andrea Book

LUBBOCK -- The Friends of the Texas Tech University Library/Southwest Collection will host the Friends Banquet and seventh annual Membership Meeting at 7 p.m. Friday, Sept. 28, in the University Center Ballroom.

David B. Gracy II, who is the Governor Bill Daniel Professor of Archival Enterprise at the University of Texas at Austin, will be the featured speaker at the banquet. He will be welcomed with a reception beginning at 6:30 p.m. and the banquet and meeting will follow.

The public is invited to attend the event. Reservations are required and must be made before Tuesday (Sept. 25). Tickets are \$10 per person.

A popular speaker, Gracy will be addressing the importance of preserving archival materials. He has published extensively in both the archival and historical fields and is the author of several books. He has served as president of the Society of American Archivists and was a former director of the Texas State Archives.

From 1966 to 1971, Gracy served as archivist at Texas Tech's Southwest Collection. The collection is considered to be one of the major regional historical repositories in the nation and provides scholars with resources to analyze and interpret the American Southwest. The Southwest Collection also preserves historical material of Texas Tech since it first came into existence in 1925.

During the banquet and meeting three new board members will be introduced. They are: Lubbock investor William D. Armstrong, Texas Tech Professor of English Kenneth W. Davis and civic leader Sara McLarty. Gordon Treadaway, Lubbock attorney, currently serves as president of the Friends organization.

The Friends of the University Library promotes the enrichment of the total resources and facilities of the Library and the Southwest Collection by sponsoring a variety of educational programs throughout the year.

For more information about the Friends Banquet and Annual Meeting, telephone the Friends organization at (806) 742-3685.

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SPECIAL TO WINDOWS
REF: 10-9-21-90

RESEARCHER FINDS NEW METHODS FOR RECOVERING OIL

By Myrna Whitehead

LUBBOCK -- In the state of Texas, current extraction methods on the average yield only 35 percent of oil in any reservoir. Researchers at Texas Tech University are trying to find ways of tapping into the remaining 6 billion barrels of petroleum left in the Earth's crust.

George Asquith, Ph.D., a Texas Tech geosciences professor, is using a well logging technique to aid in the assessment of the state's oil and gas reserves. Currently, the state receives royalties from all oil and gas wells, which are located on state and private property totaling 20 million acres of Texas land.

Asquith, who has held the university's Adobe Chair of Petroleum Geology since 1986, has gained world recognition for his expertise in well logging. Backed by 20 years of experience in the oil business, he is the author of four books on well logging, including two that have been translated into foreign languages. Asquith also author and co-author of more than 50 oil-related academic articles.

Well logs are devices that are lowered into bore holes to measure the properties of the rocks below the surface. The measurements help geologists learn what types of fluids (oil, gas or water) are in a reservoir. The logs provide about 90 percent of the information geologists use to rate the productive potential of a reservoir, Asquith explained.

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ASQUITH/PAGE 2

Among his research interests, Asquith focuses on evaluating well logging data to determine volumetrically the amount of oil in the ground. To make practical applications for his research, Asquith and Texas Tech were asked to join a consortium in spring 1989 with the University of Texas at Austin, Texas A&M University in College Station and the University of Houston.

Researchers at the universities, under funding by the Energy Research Application Program (ERAP), are studying the Shell Monahans Clearfork Field located in the Permian Basin, southwest of Midland-Odessa. The scientists are finding new ways of recovering oil from properties throughout the state.

The field near Monahans already had undergone infill drilling and water-flooding designed to extract more oil out of a field. While one researcher in the consortium is studying the feasibility of using carbon-dioxide (CO_2) flooding, to enhance oil recovery, Asquith is studying the use of well logs to determine the amount of oil in rocks below the surface.

Asquith's ERAP grant is involved with the study of log evaluation of carbonate formations with bimodal pore systems.

"A bimodal pore system consists of very large and very small pores. The large pores normally store the oil or gas and are easily recognized on the well logs. The presence of the small pores causes anomalies, or irregularities, on the logs, which make geologists underestimate the potential of the well," Asquith said.

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ASQUITH/PAGE 3

Through his earlier studies, Asquith developed a logging technique that determines the effective water saturation and effective porosity in reservoirs with bimodal porosity.

"It is important to know the amount of effective water saturation because a reservoir may appear water-productive when it could be oil-productive," he said.

With this technique, geologists can determine the true productive potential of a reservoir with bimodal porosity. Asquith already has successfully tested his technique in a field known to be productive, and soon he will be applying that technique to the Monahans Clearfork Field.

In a second project through the same consortium of Texas universities, Asquith is utilizing a special software package to translate log measurements for determining the volume of clay in a reservoir. An assistant of Asquith's, geology graduate student Gary Causey, developed the software package.

"By knowing how much clay is in the reservoir, geologists can better predict the productive potential of a shaly sand reservoir," he said.

A part of this project involves reviewing old well logs -- logs recorded before 1955 -- to perform shaly sand analysis. Asquith is examining old logs and is correcting the measurements for the presence of clay.

"Many of the fields on state lands have a high percentage of old logs because they were logged prior to 1955," Asquith said.

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The second project is funded by the State Lands Energy Resources Optimization (SLERO) program. The consortium researchers are conducting their studies on five to six state fields.

Asquith has written more than 50 articles on carbonate and sandstone petrology, sedimentation and computer geology. He received his bachelor's degree in geology from Texas Tech in 1961 and his master's and doctorate in geology from the University of Wisconsin in 1963 and 1966, respectively.