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REMARKS

28-9-23-83

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AFTER HOURS CALL:

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Preston Lewis, Manager, News Bureau, (806) 745-1718
Dave Clark, Asst. Mgr., Electronics, (806) 793-9711

CONTACT: Terri Lloyd

1-9-19-83

LUBBOCK--A non-credit photography course for beginners will be offered this fall by the Department of Mass Communications and the Division of Continuing Education at Texas Tech University.

The course will run three consecutive Tuesdays, beginning Sept. 27. Classes will meet 6:30-9:30 p.m. in Room 120, Mass Communications Building. Cost is \$30 and registration deadline is Friday (Sept. 23).

Melinda J. Bordelon will teach the course. Bordelon has taught photography at the University of Texas, Arizona State University and Mount Vernon College. She holds a master's degree in fine arts with majors in photography and film from the University of Texas.

For more information, call 742-3381.

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2-9-19-83

(MEDIA ADVISORY: A colloquium on "Political Participation by Women" will feature two paper presentations by Texas Tech University faculty at 3:30 p.m. Wednesday (Sept. 21) in Room 6, Holden Hall. One of the papers, "Impact of Gender on Electoral Choice in Western Democracies" by Lawrence C. Mayer and Roland E. Smith of the Political Science Department, has been quoted in the Washington Post by political columnist David Broder. The other paper will be "Ladies Against Women: Explaining the Political Participation of Traditional Role Females" by D.L. Hughes of political science and Charles W. Peek of the Sociology Department. Jerry Perkins of political science will comment on the papers. Should you desire to arrange interviews on the papers or other aspects of women in politics, please contact Bill Nicholls of political science at 742-2989.)

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CONTACT: Cheryl Duke

3-9-19-83

LUBBOCK--Former Texas Tech University geography Professor T. Karl H. Wuersching will lecture on "People to People: China, June 1983" at 3:30 p.m. Thursday (Sept. 22) in the Lubbock Room of the University Center.

Wuersching taught geography at Texas Tech in the mid-1960s. He is now with the Geography Department at New Mexico State University at Alamogordo.

The free public lecture is sponsored by the Texas Tech Department of Geography and the International Center for Arid and Semi-Arid Land Studies (ICASALS).

For more information, contact Tina Clark at 742-2218.

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CONTACT: Cheryl Duke

4-9-19-83

LUBBOCK--Discoveries from summer excavations at Post, relating to dinosaurs and the theory of continental drift, will be discussed at 7:30 p.m. Thursday (Sept. 22) at The Museum of Texas Tech University.

The free public lecture by Dr. Sankar Chatterjee will include slides of the discoveries.

Chatterjee is curator of vertebrate paleontology for The Museum and a professor in museum science and geosciences. He has been conducting research in the Dockum Rocks 12 miles southwest of Post for the past four years.

In 1982, he discovered three Triassic fossil vertebrates, previously unknown in North America, and in 1980, unearthed the Postosuchus fossil, a new genus meat-eating reptile that preceded the dinosaur.

The Post site is one of four North American late Triassic paleontological sites. Research there is funded by the National Geographic Society,

Chatterjee is also involved in on-going related research on the continent of Antarctica.

CONTACT: Cheryl Duke

5-9-20-83

ATTENTION: Art Editors

LUBBOCK--Few American painters have covered as much territory as Millard Sheets.

In six decades of artistic endeavor, he has painted his way through the deserts of the Southwest and Mexico, Texas oil fields, Manhattan harbors, exotic Hawaiian countryside, sun-baked landscapes of Portugal, varied moods of India and ancient charms of Greece, Ireland, Japan and Yugoslavia.

His visions of the world's lands and peoples will be on view at The Museum of Texas Tech University in a major retrospective art exhibit, Dec. 4 through Jan. 8.

The exhibit, "Millard Sheets: Six Decades of Painting," prepared by the Laguna Beach (Calif.) Museum of Art includes 100 works by Sheets. The Texas Tech showing will be the only one outside California.

Works exhibited come from museums and private collectors from throughout the nation. They will include "Goat Ranch," one of Sheets' earliest prize-winning works. The painting was awarded the Edgar B. Davis Prize of \$1,750 in the San Antonio Competition in 1929 when Sheets was 22 years old.

Another work in the exhibit is his "Women of Cartagena," which was accepted in the Carnegie International Exhibition in Pittsburgh, Pa., in 1930. The exhibition was one of the most prestigious annual painting exhibitions in the world at that time. Sheets was the first West Coast artist ever admitted to the selective show.

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His highly stylized composition became a conversation piece and was reproduced in a variety of publications.

Sheets' early reputation and popularity were based partly on his youth and on his fresh look at the western landscape, dramatized in an original style and regarded as a revolutionary way of painting with watercolor.

The medium of watercolor brought Sheets' initial international acclaim and his style has been called the "California Watercolor School." He also works in oils and serigraphs and he designs tapestries.

He has painted sunsets, seascapes, landscapes and cityscapes in America for a good part of his varied career. He also applies his clarity of style and bold use of color to far-flung exotic settings. Recently, the doings of New Yorkers have occupied much of the artist's attention as have the activities of the colorfully garbed peoples of Mali, Tahiti, Mexico and Russia.

Horses are among his favorite subjects. They are rarely flesh and blood horses that can be saddled, worked or driven, but unaltered spirits bounding free in wild, open spaces. They can be fanciful creatures in blue, violet, orange or red.

Sheets once commented that the reason to paint "should not be an ego trip, but should be to clarify the infinite qualities of life around us. I believe gratitude for life itself is basic in developing insight beyond the average."

Sheets' work is represented in the collections of the Chicago Art Institute, Metropolitan Museum of Art, Museum of Modern Art, the White House and the Whitney Museum of American Art, among many others.

His murals and mosaics don the Scottish Rite Masonic Temple in Los Angeles; Notre Dame University Library; Garrison Theatre, Claremont, Calif.; dome of the Blessed Sacrament Chapel of the Immaculate Conception, Washington, D.C.; and Home and Savings and Loan Association buildings in numerous California cities, including Hollywood, Anaheim, San Bernadino, Los Angeles, San Francisco and San Diego.

Also, the Los Angeles City Hall Annex; Honolulu Hilton Hotel; Ventura, Calif., Community Hospital; Methodist Hospital, Lubbock, Texas; Mayo Clinic; Detroit Public Library; and the San Jose Airport Terminal.

Born in 1907 in Pomona, Calif., Sheets won his first art awards at county fairs when he was an adolescent.

He chose art school -- Chouinard Art Institute in Los Angeles -- instead of a college education and his father's dream that he become a baseball player. When his father withdrew financial support, an uncle paid Sheets' tuition and Sheets and a cousin worked weekends dressing rabbits for a local meat market to help pay expenses.

Sheets' special talents were recognized early by Chouinard's director and Sheets himself was invited to teach there after three years of study. His teacher, F. Tolles Chamberlain, was a major influence on his life and work. Chamberlain goaded Sheets into learning to draw the figure, acquainted him with the great art of Europe and the Orient and taught him the requisites for mural painting.

With his San Antonio prize money, Sheets was able to travel to Europe where he met the printer Dorfinant in Paris and learned printmaking under that master's supervision. Before leaving Europe, Sheets had a painting accepted in the famous Autumn Salon in Paris.

Returning to California, Sheets married UCLA art student Mary Baskerville.

From 1929-1939, he won 14 major painting awards, had successful exhibits throughout the U.S., built a home and a design studio for commercial art projects, painted murals, traveled abroad and taught art in several places, including the University of Honolulu.

His reputation as a teacher so impressed President Jacqua of Scripps College that he asked Sheets to teach there and a year later, to build a solid art department at the college. Without a college education or teaching degree, Sheets became a full professor at age 27.

At the outbreak of World War II, Sheets was hired as a war correspondent for Life magazine, seeing action on several theaters of war, particularly covering the Burma-India Front. His illustrations of famine in India are considered among the best and grimmest paintings of his long career.

He served as art director for the Los Angeles County Fair, from 1931-1956, and throughout the 1960s and '70s taught painting in Greece, Mexico, Japan, Ireland, Yugoslavia, Tahiti, New Zealand, Guatemala, Yucatan, France and Portugal.

Texas Tech News

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CONTACT: Preston Lewis

6-9-20-83

Special to the Kingsville Record

LUBBOCK--John B. Armstrong, a Kingsville rancher recognized nationally for his leadership and knowledge in the livestock industry, received the National Golden Spur Award from the nation's major livestock organizations Friday night.

Armstrong, managing partner of the John B. Armstrong Ranch and director and executive vice president of King Ranch Inc., is the sixth recipient of the golden OK spur, symbolic of a lifetime of achievement in the livestock industry.

In presenting the award, Harold P. "Bo" Brown, chairman of the board of the Ranching Heritage Association, said, "John B. Armstrong is an outstanding Texan and American who throughout his life has unselfishly helped promote the interests of the livestock industry. He is truly deserving of this award."

The award is presented annually by the American National CowBelles, the American Quarter Horse, National Cattlemen's, National Wool Growers, Ranching Heritage, Texas Sheep and Goat Raisers and the Texas and Southwestern Cattle Raisers associations.

Texas Tech University President Lauro F. Cavazos expressed his personal pleasure in the award to Armstrong, because of the relationship of the Cavazos and Armstrong families, but also emphasized the importance of the 1983 award to a man who has been a part of a "great transition."

Cavazos referred to the transition from traditional ranching to "today's highly computerized, scientifically oriented" operation -- "a whole new technology," he told Armstrong, "that was unknown to my father and to yours."

-more-

"Your own accomplishments in this difficult time," he told the recipient, "just emphasize the importance of this award."

Armstrong received a standing ovation from the more than 800 people attending the National Golden Spur Award and Prairie Party. He said he was honored to receive the award and join the exclusive company of the five previous recipients.

"One of my great privileges through the years has been to know well a great many people who are co-workers in trying to preserve the livestock industry," Armstrong said in brief remarks.

Then after introducing his wife, Henrietta, and other members of his family, Armstrong entertained the audience with two acceptance songs instead of an acceptance speech. The 1983 recipient received a rousing ovation after his versions of "Tumbling Tumbleweeds" and "Strawberry Roan."

Prior to the award presentation a slide show chronicling Armstrong's life was shown with a recorded narration by Frates Seeligson, Armstrong's longtime friend.

Previous National Golden Spur Award recipients are J. Ernest Browning, Willcox, Ariz., 1982; Watt R. Matthews, Albany, Texas, 1981; Fred H. Dressler, Gardnerville, Nev., 1980; the late Jay Littleton Taylor, Amarillo, Texas, 1979; and the late Albert K. Mitchell, Albert, N.M., 1978.

Vireonella
Delta
P349

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7-9-20-83

SPECIAL TABLE--They came from all over the country and from close to home to honor South Texas rancher John B. Armstrong with the National Golden Spur Award during a weekend of activities at Texas Tech University Sept. 15-17. Armstrong's honored guests for the evening include, from left, sister Lucie Armstrong, Don Jones, Chris Jones, Stephen J. "Tio" Kleberg and Janell Kleberg. John B. Armstrong is managing partner of the John B. Armstrong Ranch and director and executive vice president of King Ranch Inc.

(TECH PHOTO)

Perognathus
Ultra 8-9-2083

caption-----

8-9-20-83

FAMILY TABLE--Among the many family, friends and well-wishers attending the 1983 National Golden Spur Award ceremonies honoring South Texas rancher John B. Armstrong are, from left, Don Archer, Mrs. Don Archer, brother Tobin Armstrong, Anne Armstrong and Barclay Armstrong. John B. Armstrong was honored by the nation's major livestock organizations for a lifetime of achievement in the livestock industry during a weekend of activities at Texas Tech University. (TECH PHOTO)

Lingua (20)
Doug Perkins
Larr Cook
San Antonio 20.13
Express 20.13

caption-----

9-9-20-83

MUSIC MAN--Instead of a traditional acceptance speech, John B. Armstrong delighted an audience of 800 with two acceptance songs after he received the 1983 National Golden Spur Award in Lubbock. The managing partner of the John B. Armstrong Ranch in South Texas sang "Tumbling Tumbleweeds" and "Strawberry Roan" during presentation ceremonies which highlighted a weekend of activities at Texas Tech University. The National Golden Spur Award is presented annually by the nation's major livestock organizations. (TECH PHOTO)

Kingsville
10-9-20-83

caption-----

10-9-20-83

TOGETHER--As 1983 National Golden Spur Award recipient, John B. Armstrong shares his moment in the spotlight with his wife, Henrietta. They are partners in the John B. Armstrong Ranch near Kingsville. Armstrong was honored by the nation's major livestock organizations during a weekend of activities Sept. 15-17. (TECH PHOTO)

Don C. King
Kathleen
11-9-20-83

caption-----

11-9-20-83

FRIENDS--A delegation from the Texas and Southwestern Cattle Raisers Association was among more than 800 people who attended the presentation of the 1983 National Golden Spur Award to South Texas rancher John B. Armstrong, a former association president. Attending are, clockwise from top, TSCRA Secretary-General Manager Don C. King, Sis Guin, Son Guin, TSCRA Administrative Assistant Steve Munday and Joyce Munday. TSCRA is one of seven sponsors of the annual award. (TECH PHOTO)

caption-----

12-9-20-83

TRIBUTE--South Texas rancher John B. Armstrong, the 1983 National Golden Spur Award recipient, responds to a standing ovation during ceremonies at the annual award presentation. More than 800 people saw Armstrong accept the award from the nation's major livestock organizations during a weekend of activities at Texas Tech University Sept. 15-17. (TECH PHOTO)

2/16/1983
Super Duck
13-9-20-83

caption-----

13-9-20-83

SIGNING TIME--John B. Armstrong, the 1983 recipient of the National Golden Spur Award, autographs a program for two of the more than 800 who attended presentation ceremonies in Lubbock. Armstrong is the sixth recipient of the award presented annually by the nation's major livestock organizations. Armstrong was honored during a weekend of special activities at Texas Tech University. (TECH PHOTO)

Stampsville
Lopez
14-9-2083

caption-----

14-9-20-83

THE OLD DAYS--Times when Caesar's Pens from the King Ranch were swarming with activity are recalled by, from left, King Ranch President Jim Clement and Texas Tech University President Lauro F. Cavazos, who grew up on the King Ranch. The two men stand beside a portion of those pens restored at the Ranching Heritage Center of The Museum of Texas Tech. The pens were dedicated at the center Sept. 17 during Ranch Day activities which concluded National Golden Spur Award Weekend. (TECH PHOTO)

Thompsonville
Cowan
✓ Call Times
38-00-6-51

caption-----

15-9-20-83

DEDICATION--Texas Tech University President Lauro F. Cavazos recalls his boyhood on the King Ranch during dedication ceremonies for a portion of Caesar's Pens restored at the Ranching Heritage Center of The Museum of Texas Tech. At one time Caesar's Pens on the King Ranch were the largest cattle shipping pens in the world. A portion of those pens was given by King Ranch to the center which is preserving the ranching heritage of the West. (TECH PHOTO)

Minneapolis
Soc. Arthur E. Brown
Loup
10-9-20-83
Photo & come

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16-9-20-83

LIVESTOCK AWARD--Six of the nation's major livestock associations and the Ranching Heritage Association presented the 1983 National Golden Spur Award to South Texas rancher John B. Armstrong during a weekend of activities at Texas Tech University Sept. 15-17. Standing behind the crystal presentation piece encasing a golden OK spur, Texas Tech University President Lauro F. Cavazos, from left, goes over the award citation with Armstrong and Harold P. "Bo" Brown, chairman of the board of the Ranching Heritage Association. (TECH PHOTO)

photos & captions to
Vern Cook
~~Captions~~
Doug Perkins
captions to Jack
McCroskey, an son

caption-----

17-9-20-83

SURPRISE--National Cattlemen's Association President W.J. "Dub" Waldrip examines a special gift of recognition from 15 West Texas ranches for his leadership in the cattle industry. Waldrip, general manager of Spade Ranches, was presented the gift by Dick Yeager, general manager of Waggoner Ranches, during Livestock Day at Texas Tech University. The silver punch serving set included a bowl and engraved silver cups representing each of the ranches. (TECH PHOTO)

caption-----

18-9-20-83

SPUR RECIPIENT--Texas Tech University President Lauro F. Cavazos reads a citation to South Texas rancher John B. Armstrong, the winner of the 1983 National Golden Spur Award presented annually by the nation's major livestock organizations. Armstrong, managing partner of the John B. Armstrong Ranch and director and executive vice president of King Ranch Inc., is the sixth recipient of the award. (TECH PHOTO)

King Ranch
South Texas
Golden Spur
Award
Citation

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CONTACT: B. Zeeck

19-9-21-83

LUBBOCK--Dr. Joe R. Goodin of the Texas Tech University faculty has been elected a member of the Executive Committee as well as vice chairman of the Botanical Sciences Section, Southwestern and Rocky Mountain Division (SWARM) of the American Association for the Advancement of Science (AAAS).

Goodin is deputy director of the Texas Tech International Center for Arid and Semi-Arid Land Studies and has been a member of the biological sciences faculty since 1970. His special research interests are in plant stress physiology and alternate sources of energy, with emphasis in biomass energy.

His term of office for the SWARM Executive Committee is two years. He will serve as vice chairman of the section for one year, and the vice chairman traditionally accedes to the chairmanship.

SWARM has 15,000 members representing nine states. Members in Texas and Oklahoma elected Goodin as their representative on the Executive Committee, the organization's policymaking body. Section officers, along with the Executive Committee, comprise the SWARM Council.

The 60th annual meeting of SWARM will take place on the Texas Tech University campus next March 28-31. Meeting in conjunction with it will be the AAAS Committee on Desert and Arid Zones Research.

Approximately 400 are expected to attend from Texas, New Mexico, Oklahoma, Kansas, Nebraska, Montana, Wyoming, Colorado and Arizona. Dr. Henry J. Shine, Horn Professor of Chemistry at Texas Tech, chairs the local arrangements committee.

CONTACT: Rosemary West

20-9-21-83

ATTENTION: Business Editors

LUBBOCK--Seventeen one-day seminars on fundamentals of working with people will be conducted in major cities in eight states by Texas Tech University's Center for Professional Development in the College of Business Administration.

Led by Jerry Richardson, a communications consultant with expertise in counseling, teaching and sales training, the seminars feature practical skills which can be used on the job, among family members and in social settings.

The curriculum includes building trust and credibility, getting people to open up to you, getting people to understand you, encouraging cooperation, dealing with resistance and getting personal power.

Each seminar is scheduled for 9 a.m.-5 p.m., with registration and materials distribution at 8:30 a.m.

The schedule of seminars is: Albuquerque, Nov. 7, The AMFAC, 2910 Yale S.E.; Austin, Dec. 13, Marriott, 6121 I-35 at US 290; Baton Rouge, Dec. 8, Sheraton Inn, I-10 at College; Colorado Springs, Nov. 3, Hilton Inn, 505 Popes Bluff Trail; Corpus Christi, Nov. 9, Hilton Inn, 6255 IH-37.

Dallas, Dec. 16, Marriott, 2101 Stemmons Freeway; Denver, Dec. 2, Hilton Inn, 1550 Court Place; El Paso, Nov. 10, Granada Royale Hometel, 6100 Gateway East; Houston, Nov. 8, Granada Royale Hometel, 9090 S.W. Freeway; Kansas City, Dec. 1, Radisson Muehlbach, Baltimore at 12th.

Lubbock, Dec. 12, Granada Royale Hometel, 5215 S. Loop 289;
New Orleans, Dec. 9, Monteleone, 214 Royale St; Oklahoma City,
Oct. 21, Hilton Inn N.W., 2945 N.W. Expressway; Phoenix, Dec. 19,
Granada Royale Hometel, 2333 E. Thomas; San Antonio, Dec. 15, Mansion
Del Rio, 112 College; St. Louis, Nov. 30, Sheraton Plaza, 900 W. Port
Plaza; Tulsa, Oct. 20, Sheraton Airport Inn, 2201 N. 77th East Ave.

Registration fee for the seminars is \$165 per person.
Group discounts are available. Registration should be mailed to the
Center for Professional Development, College of Business Administration,
P.O. Box 4550, Lubbock, Texas 79409.

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CONTACT: Rosemary West

21-9-21-83

ATTENTION: Business Editors

LUBBOCK--Judy W. Abraham, owner of Lubbock retail firm Intimate Apparel, has been named chairperson of the Lubbock Area Council of the Business Partnership Association by Dean Carl H. Stem of the Texas Tech University College of Business Administration.

Stem said, "We are extremely pleased to have someone of Mrs. Abraham's commitment to head the council for 1983-84. She has a keen appreciation of the college's aspirations and the resources needed to achieve those goals."

Abraham received a bachelor's degree in marketing from Texas Tech and has been involved in numerous civic activities, including the American Heart Association, Chamber of Commerce, and the Citizens' Traffic Committee.

The Business Partnership Association was established in 1979 as a support organization for the college. Members include area businesses, friends of Texas Tech and alumni.

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CONTACT: Debbie Butts

22-9-22-83

LUBBOCK--Mahatma Gandhi, one-time spiritual and political leader of India, will be the focus of several activities during India Week Sept. 28 through Oct. 2 at Texas Tech University.

An exhibit on India, a seminar on Gandhi, a documentary on the making of the film "Gandhi" and a radio program will highlight activities during India Week, which is being sponsored by the India Students Association and University Center Activities Office.

The India exhibition 11:30 a.m. to 3:30 p.m. Wednesday (Sept. 28) will include clothing, handicrafts, musical instruments and other objects from daily life in the country.

A seminar on Gandhi will feature several speakers discussing his philosophy of non-violence, his influence on Martin Luther King and the American civil rights movement, Gandhi's economic philosophy and his liberation theology. Texas Tech Academic Affairs Vice President John R. Darling will open the seminar at 7:30 p.m. Thursday (Sept. 29) in Room 352, Business Administration Building.

In conjunction with India Week, KTXT-TV, Channel 5, Texas Tech's public broadcast station, will run the documentary on the making of the Academy Award winning film "Gandhi" at 8:30 p.m. Sept. 30. KTXT-FM will air a program at 5 p.m. Oct. 2 featuring prayer songs used by Gandhi and interviews with Americans who have traveled extensively in India.

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Related activities scheduled later in October include a public lecture by India scholar Ram Joshi, a visiting professor at the University of Texas at Austin. Joshi, a former vice chancellor of Bombay University, will speak on Gandhi and his relevance to the contemporary world at 2:30 p.m. Oct. 28 in Room 76, Holden Hall.

On Oct. 28-29, the film "Gandhi" will be shown in the University Center Theater.

All activities are open to the public and all are free except for the showing of "Gandhi." For additional information, contact the University Center Activities Office, 742-3621, or Dr. Vijendra Agarwal, faculty sponsor of the India Students Association, 742-3767 or 794-4798.

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CONTACT: Rosemary West

23-9-23-83

ATTENTION: Outdoor Editors

LUBBOCK--Charting migration patterns for sandhill cranes and tagging genetic strains for the different subspecies can help set hunting seasons to satisfy hunters and still protect the birds, says a wildlife biologist at Texas Tech University.

Dr. Robert J. Warren said that three subspecies migrate thousands of miles each year traveling through Western feeding grounds. Texas is wintering ground for the crane subspecies -- lesser sandhill, Canadian sandhill and greater sandhill. The greater sandhill subspecies is threatened.

The three subspecies are distinguishable only by size, and Warren sees a possibility of confusion over the sandhill species.

"We just haven't known where specific birds winter," Warren said. "We have devised a method to track crane migration."

"For example, if we know that birds in a southern area have migrated from Alaska and they have hatched few offspring because of weather conditions, hunting season in the migratory pathway could be limited to protect populations," Warren said.

Since migrating cranes were razing fields of cereal crops, Texas, for example, established a hunting season in 1961 limited to West Texas, to curb grain sorghum and corn destruction.

Still, wildlife studies of the cranes present special problems. Warren said traditional banding methods used with ducks and geese won't work because of unusual crane mating behavior combined with isolated summer nesting grounds.

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The Texas Tech researchers, however, are making progress in understanding the cranes through a project founded by the Caesar Kleberg Foundation for Wildlife Conservation.

With other migratory birds researchers use leg bands, attaching them to birds found in nesting grounds. Later the bands can be collected by hunters and used to track migration patterns.

Because cranes establish nesting grounds in marshy areas and have very large lifetime mating territories, crane banding becomes impractical.

Warren said cranes establish strict mating territories, usually two to four square miles in area. In parts of southern Canada breeding pairs have formed territories 20-plus square miles in area.

Both parents assume responsibility for the two eggs which are laid in a nest of sticks 12 inches above marsh or bog surface.

After the first offspring -- called a colt -- is successfully hatched both parents concentrate on gathering food. The other egg generally doesn't hatch.

Finding these colts, spread over thousands of square miles of Alaska, Canada and the Great Lakes states, makes sandhill crane research difficult.

Texas Tech researchers, however, gathered birds during summer months at Katawagon Lake in south central Saskatchewan, Canada, and Delta Junction, the last stop on the Alcan Highway, 90 miles southeast of Fairbanks, Alaska.

Migrating birds also have been collected in two southern locations, Lamb County in western Texas and Colorado County in southern Texas. Both Texas counties are favorable wintering grounds.

Laboratory analysis of almost 150 birds collected from the four sample areas showed researchers distinct differences in pancreas tissue protein samples.

With analysis, called electrophoresis, researchers were able to isolate proteins of crane blood and tissue. The test produces a genetic tag, Warren said.

"This information can be used by wildlife managers to help determine hunting seasons and properly manage crane populations," Warren said.

Story leads for the week
of Sept. 26-Oct. 1, 1983
24-9-23-83

Texas Tech University
University News & Publications
BOX 4650/LUBBOCK, TEXAS 79409/(806) 742-2136

Radio & Television New Service

POST EXPEDITIONS--For the past four years, Dr. Sankar Chatterjee, curator of vertebrate paleontology for The Museum of Texas Tech, has conducted paleontological research in the Dockum Rocks, 12 miles southwest of Post, Texas. In past years, Chatterjee's discoveries have uncovered evidence of pre-dinosaur age meat-eating reptiles, as well as a type of fossil vertebrate previously unknown in North America. What did his research unearth this year? Call Dr. Chatterjee at 742-1986.

READING, 'RITING AND 'RITHMETIC--Beginning in May 1984, the three R's won't only apply to school age children, but also to their prospective teachers. The Texas Education Agency has approved a statewide testing program to assure a continuing supply of qualified teachers. The test is twofold, affecting students applying for admission to teacher education programs and also those applying for state certification. How will it change education in the classrooms? How does this affect students already enrolled in teacher education programs? Call Dr. Shamus Mehaffie, professor and associate dean of education, at 742-2377.

MARITAL CONFLICTS--Couples with marital distress--perhaps those who have difficulty communicating with their spouse, or problems resolving conflicts--are invited to take part in research sponsored by Texas Tech's Department of Psychology. In a clinic setting, couples are counseled by staff psychologists and graduate students. What are the methods for dealing with such problems? Contact Dr. Cal Stoltenberg or the Psychology Clinic at 742-3736.

MOUNTAIN LION ECOLOGY--In a three-year study recently funded by the Caesar Kleberg Foundation for Wildlife Conservation in San Antonio, Range and Wildlife Professor Dr. Robert Warren will research mountain lions in the Big Bend area of Texas. He will study the lion's food patterns both inside and outside the borders of the national park by drawing upon help from area farmers and the National Park Service. What conclusions might Dr. Warren draw about the animal and its parasites? Call him at 742-2842.

For assistance in developing these and other story ideas, contact Dave Clark, UN&P, at 742-2136.

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CONTACT: Cheryl Duke

25-9-23-83

LUBBOCK--Thirty-three persons have been elected as new members of the Ranching Heritage Association Board of Overseers. Others whose terms were expiring this year also were re-elected.

Alvin G. Davis, executive vice president of the Ranching Heritage Association, made the announcement.

New members include Mr. and Mrs. H.A. Anderson, Mr. and Mrs. Alton Brazell, Mr. and Mrs. Steve Cone, Mr. and Mrs. Alvin G. Davis, Mr. and Mrs. Burns Hamilton, Mr. and Mrs. Ellwood Keeney, Mr. and Mrs. Sid Kothmann and Mr. and Mrs. Arch Lamb, all of Lubbock.

Also, Mr. and Mrs. Donald Crump, Ralls; Mr. and Mrs. Kelley I. Brown, Midland; Mr. and Mrs. Bob Carter, Plainview; Mr. and Mrs. Shirley Clark, Fort Worth; Mr. and Mrs. Jim Humphreys, Guthrie; Mr. and Mrs. Jack Lott, Post; Mr. and Mrs. Clive Runnels, Houston; Mr. and Mrs. Dick Silberberg, Dalhart; and Mrs. Lucy Yeaman, Santa Fe, N.M.

Re-elected members include Mr. and Mrs. John R. "Rich" Anderson and Mr. and Mrs. Bert Dennis, Gail; Mr. and Mrs. Rob Brown, Throckmorton; Mr. and Mrs. Ron Davenport, Friona; Mr. and Mrs. Leslie Davis, Cimarron, N.M.; Mr. and Mrs. Clint Formby, Hereford; Mr. and Mrs. J.J. Gibson, Guthrie; Mr. and Mrs. Frank Lewis Sr., Bay City; Mr. and Mrs. William H. McClusky, Shawnee Mission, Kan.; Mr. and Mrs. Ronnie Nail, Albany; B.F. Phillips, Frisco; Charlie Scruggs, Birmingham, Ala.; Happy Shahan, Bracketville; and Mr. and Mrs. Jack Shelton and Mr. and Mrs. Steve Taylor, Amarillo.

Also, Maxine Blankenship, Mr. and Mrs. Harold P. "Bo" Brown Jr., Mr. and Mrs. Larry Lowe, Mr. and Mrs. Sam Middleton, Mr. and Mrs. Gene Murrell, and Mr. and Mrs. Alan White, Lubbock.

"Bo" Brown, Middleton and Jean Jones of Lubbock were re-elected chairman, president and secretary of the board.

Holding new offices will be J.D. Cage of Muleshoe, first vice president; Georgia Mae Ericson of Crosbyton, second vice president; and Buddy Baldrige of Claremont, treasurer.

-30-

EDITOR'S NOTE: Elections took place during the annual meeting of the Ranching Heritage Association Board of Overseers, Sept. 17, at the Ranching Heritage Center of The Museum of Texas Tech University.

Texas Tech News

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26-9-23-83

ATTENTION: Agriculture Editors

LUBBOCK--Changes in weaning management could increase swine producers' profits by lowering mortality rates, decreasing disease susceptibility and equalizing weight in litters, says Donald E. Orr, Texas Tech University swine researcher.

Orr said profits from weaning pigs early will vary, depending on litter sizes, birth weights, sows' lactating abilities and swine prices.

The goal of early weaning is to produce more uniform groups of pigs by increasing the weights of those pigs with low birth weights or those who are feeding on a poor-lactating sow, Orr said.

Sows differ in milk production because of genetic differences, age or hot summertime temperatures. Even good-milking sows may produce less milk in the rear nipples.

"Within a day or two of birth, the young pig localizes on a specific nipple and won't change. If this is a low-producing udder section, the pig may not gain as well as others in the litter," Orr said.

Orr suggests that heavier pigs be weaned and fed semi-soft pig starter pellets as early as 10 days following birth. Lightest pigs can be removed from their natural mothers and placed on good-milking sow.

If this technique is followed soon enough, the lightweight pigs have a chance to catch up, Dr. Orr said.

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Decreases in mortality rates and disease susceptibility result when lightweight pigs are shifted to a better-milking sow and given a chance to gain weight, Orr said.

In Orr's research project, pigs showing good weight gain during the first 10 days are placed in suspended pens over their mothers and weaned to semi-soft pellets twice daily. The high-fat feed contains corn, soybean meal and dried whey. After seven days, pigs begin on typical starter pellets which have lower fat.

Suspended pens, 4 feet long, 2 feet wide and 2½ feet high, are made of plastisol-coated expanded steel flooring and expanded metal sides. Each pen includes self-feeders for food and water.

"One of the system's advantages is cost," Orr said. "It requires no new farrowing facilities and the suspended pens are relatively inexpensive."

By leaving the weaned pigs in the farrowing room, the pigs receive the attention they need. A bond with the sow remains as the weaned pigs hear their mothers' grunts at meal time. Constant temperature also is maintained in the farrowing facility.

Texas Tech researchers found two early-weaning disadvantages -- scouring and stress -- but were able to address both problems.

Scouring, common when weaning pigs at any age, can cause dehydration or death. Prevention includes medication with oxytetracycline-treated water for the first five days of weaning.

Stress, which can come from temperature changes, human activity in the farrowing room or changes like weaning, may cause intestinal problems. Research showed that reduced lighting curbs stress.

With some precautions, early weaning could help produce even lots of pigs which can be moved from the farrowing room as a group, Orr said.

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27-9-23-83

MASS COMM GIFT--The Lubbock Advertising Federation has presented \$2,500 to the Texas Tech University Mass Communications Department to help furnish the Don Belding Room in the Mass Communications Building. With the plaque which recognizes Belding as a late founding partner of the national known Foote, Cone & Belding Advertising Agency are, from left, former federation president Ron Thomas, president Randy Caviness and immediate past president Beverly McBeath. The room which will display the Belding Award will be used for symposiums, conferences and classes. (TECH PHOTO)

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28-9-23-83

SCHOLARSHIPS--The Lubbock Advertising Federation has awarded \$2,000 to the Texas Tech University Ex-Students Association to fund two scholarships in the Mass Communications Department. The Federation's immediate past president Beverly McBeath makes the check presentation to mass communications Professor Jon P. Wardrip. (TECH PHOTO)