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# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Prabhu Ponkshe

LUBBOCK--Six employees of the Government of South Korea arrived in Lubbock on Monday (Jan. 8) to begin an advanced course in agriculture arranged by Texas Tech University's International Center for Arid and Semi-Arid Land Studies (ICASALS).

The Koreans, employed by the Office of Rural Development (ORD), Ministry of Fishery and Agriculture, will be in Lubbock for three to six weeks.

Each visitor will be assigned to a faculty member in the College of Agricultural Sciences for individualized instruction in areas including agricultural economics, animal science, and plant and soil science.

Dr. Hong Lee, agricultural economist at Texas Tech, is coordinating the program with Dr. Idris R. Traylor Jr., deputy director of ICASALS. ORD awarded a \$7,000 contract to Texas Tech to conduct the training program.

The idea originated when Dr. In-Whan Kim, ORD director, invited Lee to serve as a visiting researcher last summer. Because of commitments at Texas Tech, Lee could not accept but suggested ORD might be interested in sending employees to Lubbock for advanced training.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Jan. 25)

FOR IMMEDIATE RELEASE

THE GEOLOGY OF THE SOUTHWEST WILL BE THE TOPIC OF A SERIES OF LECTURES SPONSORED BY THE WOMEN'S COUNCIL OF THE WEST TEXAS MUSEUM ASSOCIATION. THE FOUR LECTURE SERIES WILL BEGIN JANUARY 24TH AND WILL MEET EACH WEDNESDAY FROM 10 TO 11:45 A.M. AT THE MUSEUM OF TEXAS TECH. TOPICS INCLUDE "GEOLOGIC HISTORY," "ROCKS," "MINERAL RESOURCES" AND "GROUND WATER RESOURCES OF THE SOUTHWEST." LECTURES MAY BE ATTENDED ON AN INDIVIDUAL BASIS. FOR INFORMATION CONTACT THE WEST TEXAS MUSEUM ASSOCIATION AT (806) 742-2443.

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21-1-12-79

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CONTACT: Becky Patterson

LUBBOCK--Career Information Day will be held on Jan. 31, 9 a.m.-3 p.m., in the Texas Tech University Center Ballroom to answer students' questions about careers, employment outlooks, salaries and use of the university's placement service.

The Texas Tech Career Planning and Placement Service is sponsoring the event, at which representatives from 50 businesses, industries and governmental organizations will field student questions.

Career Day will provide students access to employers who can supply resource material. Information will be available on recommendations for academic majors in career preparation and current job openings in various employment areas.

More information can be obtained from Gerry Phaneuf, assistant director of the Career Planning and Placement Service, at 742-2210.

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CONTACT: Becky Patterson

EDITORS NOTE: There will be a press conference for Karen DeCrow and Phyllis Schlafly January 18, 3:30 p.m., at the Press Room of the Lubbock Airport.

LUBBOCK--The Equal Rights Amendment (ERA) controversy will strike fire at the Lubbock Municipal Auditorium, 8:15 p.m., Jan. 18, when Karen DeCrow, past president of the National Organization for Women, and Phyllis Schlafly, founder and national chairperson of Stop ERA, will debate their interpretations of equal rights.

DeCrow is a proponent of the ERA and author of "Sexist Justice" and "The Young Woman's Guide to Liberation." She has written and edited several publications and lectured in Finland, Greece and the Soviet Union. DeCrow received the law degree from Syracuse University and is a member of the New York State Bar Association.

Schlafly, ERA opponent, is president of Eagle Forum and member of the Illinois Commission on the Status of Women. She testified before most of the legislatures in states which defeated the Equal Rights Amendment. Schlafly writes a monthly newsletter and has co-authored five books on defense and foreign policy. Her first book, "A Choice, Not an Echo," sold three million copies.

Schlafly received the bachelor's degree from Washington University and master's degree from Harvard University.

The debate is sponsored by the Texas Tech University Center Cultural Events Committee. Tickets are \$3 for general admission

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decrow-schlaflly debate/add one

and \$2 for Texas Tech students. Tickets are available from the University Center Ticket Booth, 742-3610.

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19-1-12-79

# Texas Tech News

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CONTACT: Becky Patterson

LUBBOCK---Courses for practicing engineers interested in obtaining master's degrees are being offered in Borger and Amarillo by Texas Tech University's Continuing Engineering Education division.

Two courses are being offered on the Frank Phillips College campus in Borger and one in Amarillo at the Southwestern Public Service Room, 48th and Bell streets.

Courses in Borger include "Decision Theory and Management Science" and "Classical Thermodynamics." The course in Amarillo is "Digital Systems."

The course, "Decision Theory and Management Science," may also be of interest to engineers in management, even though they are not in the Master of Engineering program.

Registration will be open through Tuesday, Jan. 23. Classes will meet at 6 p.m. on Tuesdays, beginning Jan. 23.

"The off-campus program enables engineers to earn master's degrees with 36 semester hours of course work plus a comprehensive oral examination," according to Jo King, director of Continuing Engineering Education at Texas Tech. No thesis is required. All the work can be completed off campus, which enables the engineer to remain on the job and at home.

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engineering/add one

Up to nine years are allowed for completing the program, King said. Credit for graduate course work completed in residence at another accredited graduate school may be accepted for as much as half of the total 36-semester-hour requirement.

Registration fee is \$66.50 for residents of Texas and \$136.50 for non-residents. Expenses for the professor are divided among enrollees. Participants will be billed for their share of the expense.

Additional information may be obtained from King in the Continuing Engineering Education division, College of Engineering, Texas Tech University, Lubbock, (806) 742-3429.

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# Texas Tech News

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CONTACT: Becky Patterson

LUBBOCK--The New Mexico Brass Quintet will perform at Texas Tech University Sunday, Jan. 14, at 8:15 p.m. in the Recital Hall of the Music Building at Texas Tech.

There will be no admission charge.

The quintet performs music from the 15th century to the present, ranging in style from avante-garde to folk. The musicians tour extensively. This year they will perform at the Music Educators National Conference Convention in Colorado Springs and also will be recording their first album.

Works scheduled to be on the program include the quintet's version of "Variations on the Carnival of Venice," Samuel Scheidt's "Canonza O Nachbar Roland," Hungarian composer Laszlo Dubrovay's "Quintetto" and Thom Ritter George's "Quintet No. 1." Several works written especially for the quintet also will be performed.

The musicians are University of New Mexico music faculty members Jeff Piper and Karen Baccaro, trumpets, Herbert Winslow, horn, Karl Hinterbichler, trombone, and Phillip Black, tuba.

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CONTACT: Becky Patterson

LUBBOCK--Dean Carl H. Stem of Texas Tech University's College of Business Administration was named president of the Texas Council of Collegiate Education for Business during the organization's fall meeting.

The council is composed of deans and directors of baccalaureate business degree-granting programs at 29 Texas public universities and colleges. Stem served as the council's secretary in 1976-1977 and as vice president and program chairman in 1977-1978.

Last fall Stem also accepted membership on the accreditation committee of the American Assembly of Collegiate Schools of Business. The committee is responsible for accreditation of bachelor and master level business degree programs at universities and colleges throughout the United States.

Stem, formerly senior economics adviser to the U.S. Department of Commerce, also has served as staff representative to the work group on international financial competition of the Council on International Economics Policy in the White House. He also has been an international economist with the Board of Governors of the Federal Reserve System and with the economics research area of the Central Intelligence Agency.

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stem appointment/add one

Stem began teaching at Texas Tech in 1971. His principal fields of research and teaching are international economics and finance, monetary economics and banking.

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CONTACT: B. Zeeck

LUBBOCK--A science seminar series of four lectures on geology of the Southwest will be initiated by the Women's Council of the West Texas Museum Association (WTMA) on Jan. 24.

Lectures by Dr. Frank B. Conselman will take place from 10 to 11:45 a.m. on Wednesdays at The Museum of Texas Tech University. A field trip is planned for the end of the series.

Counselman will discuss "Geologic History of the Southwest" on Jan. 24; "Rocks of the Southwest," Jan. 31; "Mineral Resources of the Southwest," Feb. 7; and "Ground Water Resources of the Southwest," Feb. 14.

Cost of the series, arranged by the council's Heritage Projects Committee, is \$12.50 for the public, \$10 for WTMA members and \$4 for individual lectures. Preregistration is possible by writing the West Texas Museum Association, Box 4499, Lubbock, Texas 79409.

Conselman is past president of the American Association of Petroleum Geology, American Geological Institute and American Institute of Professional Geologists. He is former director of the International Center for Arid and Semi-Arid Land Studies at Tech University.

He has a reputation for entertaining, as well as highly informative, lectures.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill Jan. 16, 1979)

FOR IMMEDIATE RELEASE

HOW TO DEAL WITH STRESS AND HOW TO BECOME MORE ASSERTIVE WHEN DEALING WITH PEOPLE WILL BE TWO OF SEVERAL TOPICS FOR PARTICIPANTS IN A LEADERSHIP CONFERENCE AT TEXAS TECH UNIVERSITY. THE CONFERENCE, DESIGNED TO PROMOTE AN INDIVIDUAL'S PERSONAL GROWTH AND LEADERSHIP ABILITIES, WILL DEAL WITH TOPICS SUCH AS MOTIVATION, LISTENING SKILLS, PUBLICITY AND PLANNING. THE CONFERENCE WILL BE HELD JANUARY 20TH FROM 9 A.M. TO 5 P.M. AT THE UNIVERSITY. REGISTRATION IS \$3.50 AND INCLUDES LUNCH. FOR INFORMATION CONTACT THE OFFICE OF STUDENT LIFE AT 742-2192.

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14-1-10-79

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CONTACT: B. Zeeck

ATTN: Agriculture Editors

LUBBOCK--Charles E. Cheever, president of the 1,360-member Texas Bankers Association (TBA), will be among the speakers for an agriculturally oriented conference on "The Credit Crunch" at Texas Tech University Jan. 19-20.

Cheever will speak on the status of the usury law in Texas, discussing proposed actions with respect to its repeal or amendment. The law limits to 10 percent the interest rate for individual loans, and it has contributed to the credit crunch faced by producers and others in agribusiness.

The conference will begin with registration at 8 a.m., Jan. 19, and all sessions will be held in The Museum of Texas Tech University. Pre-registration is \$20, changing to \$25 at the time of the conference. To pre-register write the Division of Continuing Education, Box 4110, Texas Tech University, Lubbock, Texas 79409.

Cheever, president of the Broadway National Bank of San Antonio and vice president of the Eisenhower National Bank at Fort Sam Houston, has been active in TBA committee work including membership on the Legislative Committee. He is a member of the Texas Bar Association.

He has urged a unified voice for bankers through the TBA

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credit crunch/add one

and has forecast "turbulent times ahead in the legislative and regulatory fields."

Cheever and other speakers will examine possible political and legal solutions to agricultural credit problems from the point of view of various agribusiness sectors.

Other speakers include Marvin R. Duncan, agricultural economist with the Federal Reserve Bank, Kansas City; Jack Barton, president, Federal Intermediate Credit Bank, Houston; Howard Yandell, president, First National Bank, Lubbock; Lawrence Miller, assistant vice president for farm and ranch mortgages, Metropolitan Life Insurance Co., Kansas City; Evan Goulding, immediate past commissioner of agriculture, Colorado; Carl Anderson, economist specializing in cotton Marketing, Texas A&M University; and David Cummins and Robert Wood of the Texas Tech University School of Law.

Responding to speeches will be Robert M. Carter, Carter Feed Yard, Plainview; Charles Harmon, president, American AgCredit, Denver; Donald Johnson, executive director, Plains Cotton Growers; and Rex P. Kennedy, director, Agricultural Service, Texas Tech University. Law School Dean Frank W. Elliott will welcome participants.

T. Richard Owens, conference coordinator, is a member of the agricultural economics faculty at Texas Tech. For more information call Owens, (806) 742-2821, or J. Wayland Bennett, associate dean of the Texas Tech College of Agricultural Sciences, (806) 742-2876.

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CONTACT: Pat Broyles

ATTN: PSA Directors (Kill March 3, 1979)

FIND OUT IF COLLEGE IS IN YOUR FUTURE. PLAN TO ATTEND "UNIVERSITY DAY" MARCH SECOND AT TEXAS TECH UNIVERSITY AND SEE WHAT A COLLEGE DEGREE CAN DO FOR YOU. UNIVERSITY DAY IS DESIGNED TO GIVE HIGH SCHOOL STUDENTS A LOOK AT ACADEMIC PROGRAMS AS WELL AS COLLEGE LIFE IN GENERAL. PARTICIPANTS WILL HAVE AN OPPORTUNITY TO TALK WITH ACADEMIC ADVISORS, UNIVERSITY FACULTY AND STUDENTS. TOURS OF THE CAMPUS AND A SWIM AND DANCE PARTY WILL HIGHLIGHT THE DAY. FOR INFORMATION ABOUT UNIVERSITY DAY CONTACT THE OFFICE OF ADMISSIONS AND RECORDS, TEXAS TECH UNIVERSITY, LUBBOCK, 79409, OR CALL (806) 742-3661.

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12-1-10-79



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CONTACT: Pat Broyles

ATTN: Farm News Directors (Kill Jan. 21, 1979)

A FEEDER PIG WORKSHOP WILL BE HELD JANUARY 20TH AT THE TEXAS TECH UNIVERSITY LIVESTOCK ARENA IN LUBBOCK. A GOOD POTENTIAL MARKET EXISTS IN TEXAS FOR FEEDER PIGS, AND THE FREE WORKSHOP WILL EXPLORE THE BEST METHODS FOR ENTERING THAT MARKET. AREA FARMERS WILL BE SHOWN HOW TO SUPPLEMENT THEIR INCOME BY BREEDING AND MARKETING FEEDER PIGS. SPEAKERS FROM TEXAS AND NEW MEXICO WILL DEAL WITH ALL ASPECTS OF PRODUCTION FROM PROFIT POTENTIAL TO MANAGEMENT PRACTICES AND GRADING SYSTEMS. REGISTRATION FOR THE WORKSHOP WILL BE AT 9:30 A.M., SATURDAY, JANUARY 20TH AT THE TEXAS TECH LIVESTOCK ARENA ON INDIANA AVENUE SOUTH OF THE TECH FREEWAY. FOR FURTHER INFORMATION CONTACT THE LUBBOCK CHAMBER OF COMMERCE OR DR. MAX LENNON, ASSISTANT DEAN FOR AG RESEARCH AT TECH, AT (806) 742-2809.

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CONTACT: B. Zeeck

LUBBOCK--Two series of films, one for children in the kindergarten through the fourth grade and the second for young people in the fifth through the ninth grades, will be offered in January and February by the Women's Council of the West Texas Museum Association (WTMA).

The Magic Carpet Film Series come from the National Geographic Education Services. Accompanying each film will be a discussion of the subject led by a Texas Tech University faculty member. Programs will take place at 10 a.m. on Saturdays at The Museum of Texas Tech University.

Series I offers two films for the youngest participants, "Saving Our Wild Animals" on Jan. 13 and "Dinosaurs" on Jan. 20. Dr. Robert J. Baker, coordinator of research for The Museum, will lead discussion of the first film. Dr. John P. Brand, geosciences professor, will talk about bone casting and dinosaurs.

Series II for older students will begin Feb. 3 with "Hidden World," a film on insects. Entomology Prof. James K. Wangberg will lead the discussion and a tour for participants. History Prof. John R. Wunder will be the discussion leader for the "Haunted West" on Feb. 10. "Ancient Monuments and Mysteries is the Feb. 17 film with discussion by Dr. William J. Mayer-Oakes,

-more-

museum film series/add one

professor of anthropology.

Because of space, participation is limited to 60 children for each of the programs. Prices for Series I are \$1 for WTMA members and \$1.50 for non-members. Series II tickets sell for \$1.50 for WTMA members and \$2.25 for non-members. If space is available, individual program tickets will be sold at 75 cents each.

For more information write or call the West Texas Museum Association, Box 4499, Lubbock, Texas 79409, 806: 742-2443.

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10-1-10-79

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CONTACT: B. Zeeck

LUBBOCK--Dr. Clyde E. Kelsey Jr., vice president for Development and University Relations at Texas Tech University, Wednesday (Jan. 10) announced the gift of \$100,000 establishing the Anne Burnett Tandy endowment for the support of the Ranching Heritage Center.

The center, a 12-acre exhibit of The Museum of Texas Tech University, is a collection of a score of authentic ranch structures, landscaped and furnished with historic accuracy, to depict the history of ranching in the American West.

Mrs. Tandy is the granddaughter of S. Burk Burnett who came, when he was 10 years old, with his father to the Denton area from Missouri. He started the 6666 Ranch in King County.

His son, Tom Loyd Burnett, established the Triangle Ranch near Paducah. The Burnett Estate ranches now are under one management.

S. Burk Burnett's buggy is on display at the Ranching Heritage Center. Also given to The Museum recently was Tom Burnett's saddle.

In addition to gifts for The Museum, Mrs. Tandy presented to Texas Tech a 6666's black quarterhorse, Happy VI, mascot for the Red Raider athletic teams.

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tandy endowment/add one

Upon donating to the Ranching Heritage Center endowment, Mrs. Tandy specified that the funds should support operation.

"I think you are doing a great thing for West Texas and it is a wonderful tribute to all the old ranching families," she said.

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9-1-10-79

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CONTACT: B. Zeeck

ATTN: Fine Arts Editors

LUBBOCK--A three-year series, 60 lectures in all, on "French Painting in the 20th Century" will be concluded with the 1979 spring Art Seminars beginning Jan. 16 at The Museum of Texas Tech University.

Rabbi S. Kline, D.D., is in the 19th year of his seminars on art sponsored by the Women's Council of the West Texas Museum Association. The seminars are open to the public for a nominal fee. Details of registration may be obtained by writing the West Texas Museum Association, Box 4499, Lubbock, Texas 79409.

The three years of lectures have covered 1,000 years of French art, and the spring series of 10 lectures will include some of the most important artists of the 20th century.

"In this group," Rabbi Kline said, "we behold the magnificent procession of the Ecole de Paris--cubists, abstractionists, surrealists, expressionists, primitives, fantasists.

"The series is projected as a comprehensive summation of the entire course, and at the same time a thorough study of the European artists who most especially influenced the 20th century artists of America."

The lecturer said that the spring seminars will serve as

-more-

art seminars/add one

an introduction to the 1979 fall series dealing with 20th century American artists.

Seminars are held at 10 a.m., Tuesdays, on each of 10 weeks, beginning Jan. 16 and ending April 3. Omitted are sessions on March 20 and 27 because of spring holidays.

Artists whose work will be discussed this spring include: Wassily Kandinsky (1866-1944), Jan. 16; Paul Klee (1879-1940), Jan. 23; Fernand Leger (1881-1955), Jan. 30; Juan Gris (1887-1927), Feb. 6; Marc Chagall (1887-), Feb. 13; Maurice Utrillo (1883-1955), Feb. 20; Amedeo Modigliani (1884-1920), Feb. 27; and Joan Miro (1893-), April 3. Modern sculpture will be the topic for March 6 and surrealism on March 13.

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CONTACT: Marcia Lundy

LUBBOCK--A good potential market exists in Texas for young feeder pigs and the Feeder Pig Workshop will be held January 20 to examine possibilities of entering that market.

The workshop will be held at the Texas Tech University Livestock Arena on Indiana Avenue south of the Tech Freeway. The workshop, initiated by the Livestock Industry Committee of the Lubbock Chamber of Commerce, is being co-sponsored by the committee, the Texas Agricultural Extension Service (TAES), Texas Tech and the Agriculture Department of Lubbock Christian College (LCC).

"The committee is interested in helping develop the livestock industry," said committee chairman Dr. A. Max Lennon, "and with this workshop we hope to show area farmers how to supplement their income by breeding and marketing feeder pigs."

Lennon, assistant dean for research at Tech, will moderate the meeting, which begins with registration at 9:30 a.m., and is free and open to the public.

Dr. Donald E. Orr Jr., of the Tech animal science faculty will begin the workshop with a discussion of "Profit Potential in Feeder Pig Production." Dr. Rod Blackwood, LCC agriculture professor, will talk on "Profitable Marketing of Feeder Pigs," including a detailed discussion of possible marketing methods and

-more-



workshop/add one

when to use each.

"Management Practices for Feeder Pig Production" will be the topic of Dr. Leland F. Tribble, director of the swine program of the Animal Science Department at Tech.

Robert Cohen, TAES area swine extension specialist will explain systems for grading feeder pigs and discuss price differences between each grade.

A workshop feature will be a producer panel discussion covering an overview of production, marketing and starting feeder pigs. Panelists will include Cohen; Dickie Clark, owner of a Happy swine finishing operation; Lee Christie, manager of the Feeder Pig Market auction in Idalou; and Charles Mote, Mineral Wells, and Jullean Harkness, Carlsbad, N.M., both feeder pig producers.

Immediately following the workshop will be a luncheon provided by the Ralston Purina Co., Lubbock; Elanco Products Company, Indianapolis, Ind.; Supreme Feed Mills, Slaton; the Southwest Hog Market, Idalou; and Economy Mills, Lubbock.

For further information contact Lennon or Richard Moseley of the Chamber of Commerce.

cutline-----

1910 MEMORIES--Webster Cammack, 92, of Lubbock views the wedding dress his bride wore in their 1910 wedding, a gown that is part of an exhibit at The Museum of Texas Tech University. Cammack, once pharmacist and manager of the Matador City Drug Store where he met his wife-to-be, moved with his family to Lubbock in 1923. His family gave the gown to The Museum's Historic Costume and Textiles Collection. (Tech Photo)

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CONTACT: B. Zeeck

ATTN: Fashion Editors

LUBBOCK--At about two minutes to 2 p.m. on June 12, 1910, a young Matador, Texas, druggist, spruced up in a tailor-made blue serge suit, waited for his 16-year-old bride whom he had courted for about a year.

When she appeared, the bridegroom may have had eyes only for hers, but guests must have been awed by the gown she wore, made by a Fort Worth dressmaker for the occasion.

The dress, now a part of an exhibit of wedding gowns at The Museum of Texas Tech University, was fashioned by a clever combination of various ivory embroidered nets with Cluny and Valenciennes laces.

The bride, Mary Louise Thomas Cammack, died in 1964, but her husband, Webster, who will celebrate his 93rd birthday next month (February), remembers the day as clearly as he does the first time he saw her come into Matador's City Drug Store to make a purchase. It was on that day that the store manager told Webster Cammack that Miss Thomas was the girl he ought to marry.

The dress was added to The Museum's Historic Costumes and Textile Collection by their five children, Tom N. of Hobbs, Mary Elizabeth Zellner of Midland, Margaret Bredthouer of Round

-more-

wedding/add one

Rock, Bud W. of San Angelo and John Cammack of (2905 76th) Lubbock.

Similar memories from many families have come with the 100 wedding gowns in the collection. Specialists, some of them Texas Tech University graduate students, have worked several weeks with conservation and restoration techniques to make the exhibit possible.

Most of the gowns are white or ivory. The most colorful is a street-length dress of ecru georgette trimmed with point d'esprit lace and large, shocking pink ribbon roses forming a belt in back and repeated at the front neckline. It was worn for a morning wedding at home in the 1930s.

The oldest was made in 1868 of brilliantine, a combination of silk and wool, in brown tones with satin-bound scallops accenting the fitted bodice and full skirt. This gown was worn a second time in an 1891 Tioga, Texas, wedding.

Another early wedding dress was made by a French dressmaker for a Ft. Levenworth, Kan., bride in 1882. Of fine silk brocade, the gown has a Queen Anne collar trimmed with peralized cut glass beads. Interest is brought to a fullness at the back of the skirt which falls into a short train, bordered with ivory satin pleating. A granddaughter of the bride for whom it was made wore it again in 1937, cinching her body as her grandmother must have done to fit the 18-inch waist.

Other gowns on exhibit include a 1907 ivory satin dress with the Watteau pleat in back, a pleat that begins at the shoulder as a separate piece of fabric but becomes a part of the skirt and, in this dress, a part of the train.

-more-

wedding/add two

A 1938 white marquisette wedding dress has satin flowers appliqued on the gown. A wreath of pearlized flowers formed the headpiece for this Lakewood, Ohio, bride.

The exhibit displays from 1941 a French brocade classic wedding dress with a sweetheart neckline and pleated ruching trim continuing along the border of the cathedral-length train.

A waltz-length wedding dress from 1950 has shadow appliques on several layers of white organdy. The bride wears a Juliet lace cap. A full-skirted 1961 tulle wedding dress, embroidered with floss silk, was made by the mother of the bride. The most recent of the gowns is a braid-trimmed chiffon velvet, with a silk organza bodice under the velvet bolero. It was the dress of a 1970 bride.

Collection curator Betty Mills explained that each gown was selected for its dressmaker's artistry as well as for beauty of design.

"The dressmaker's art often is most finely demonstrated in wedding apparel," she said, "and the gowns we chose are unusually good examples of that art."

Each also reflects the fashion trend of the bride's era, she explained.

# Texas Tech News

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CONTACT: Jimmy Tate

LUBBOCK--The Research and Training Center in Mental Retardation of Texas Tech University will co-sponsor workshops in Dallas and Stillwater, Okla., this month.

Dr. Gerard J. Bensberg, center director, announced the first workshop will focus on implementation of new developmental disabilities legislation, Public Law 95-602, at the Holiday Inn in downtown Dallas on Jan. 10-12. The Region VI Office of Developmental Disabilities is co-sponsoring the conference.

Featured speaker will be Marjorie Kirkland, deputy director of the Developmental Disabilities Office, Office of Human Development, Washington, D.C.

The conference will concentrate on the Rehabilitation Comprehensive Services and Developmental Disabilities Act of 1978 and the new definition of developmental disabilities.

The second workshop is on "Personalizing Program Strategies for the Developmentally Disabled" on Jan. 18-19, at the Continuing Education Facilities in Stillwater. The Oklahoma Association for Retarded Citizens is co-sponsor.

Dr. Jerry D. Parham, associate director of the Research and Training Center, will be featured speaker, and R. A. Wade, project training officer at the center, will coordinate the conference.

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LUBBOCK--An adult physical fitness program will be available to Texas Tech faculty and staff and their families in the spring semester.

It is being offered both for those who already exercise on a regular basis and those who wish to begin an exercise schedule.

The program will be held from 12:30-1:00 p.m., Mondays, Wednesdays and Fridays (MWF) in the Intramural Gym. Dr. Mike Bobo, professor in the Department of Health, Physical Education and Recreation, will direct activities.

According to Bobo, the program is designed to improve body composition, flexibility and cardiovascular-respiratory systems, as well as to provide motivation for modification of participants' lifestyle in regard to regular physical activity.

Participants should be at least 30 years old; but if the program is not filled, persons under 30 will be accepted, Bobo said.

Participants may choose from the areas of pulmonary function, body composition, blood pressure and heart rate and flexibility. All testing will be done by Bobo or a trained graduate student working in the area of adult fitness.

Cost will be \$20.00 for the semester. The fee covers a pre- and post-test and testing supplies.

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adult fitness program/add one

A blood test program and a heart evaluation exercise test will be conducted also. Additional fees will be charged for these programs which will be conducted by medical personnel.

Participants may select any or all levels of testing depending upon their desires; however, all persons exercising during the adult fitness session, 12:30-1:00 MWF, must have medical clearance.

For more information contact Bobo, Department of Health, Physical Education and Recreation, Men's Gym, Texas Tech University, Lubbock, Texas 79409. Phone 742-3371.



CONTACT: Dan Tarpley

LUBBOCK--Paul R. Ellsworth, conductor of the Texas Tech University Orchestra for the past 25 years, will leave that post at the end of the current season.

The widely known musician will remain as professor of music at Texas Tech and will assume new responsibilities next year as an associate chairperson of the Music Department.

Dr. Harold T. Luce, chairperson of the department, said Ellsworth's administrative assignments would include supervision of publicity and coordination of public performances.

The Texas Tech Symphony Orchestra was founded by Ellsworth in 1954. At that time the string enrollment at Texas Tech totaled one violinist who was majoring in voice and one violist who also was a flutist in the band. Making use of townspeople, junior high and high school students, faculty from both the Lubbock public schools and Texas Tech who had even the slightest background in string playing, the orchestra began with a one-evening rehearsal per week.

Through the years the string faculty has grown from one, Ellsworth, to eight, including two teachers of violin, and professors of viola, cello, bass, harp and guitar. The string program also includes Suzuki instruction for children and a

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ATTN: Agriculture Editors

LUBBOCK--Fitting all the pieces together to come up with a grain sorghum plant with optimum growth for dryland conditions is a tall order, but one researcher is optimistic about the eventual outcome.

Dr. Daniel R. Krieg, jointly employed as a plant physiologist by Texas Tech University and Texas Agricultural Experiment Station, said both the sorghum variety and the climate have strong effects on grain sorghum yield. But more important are the rates of leaf area development and photosynthesis because plant moisture is lost through the leaves.

Krieg is trying to identify the exact effect of these factors to help facilitate the future development of a better grain sorghum plant by cooperating plant breeders for marginal production conditions--a plant that responds well under good conditions but remains stable under water stress conditions.

"The problem with several sorghum types capable of tolerating water stress conditions is that they do not respond well to good conditions," Krieg said.

One of the challenges in developing a better hybrid strain is that the hybrid tends to follow characteristics from one parent

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sorghum/add one

plant or another and not to combine the influences. Krieg has found that under non-stress conditions the hybrids follow the female parent characteristics in leaf development and the male parent's in photosynthesis. Under water stress the reverse is true--the hybrid follows the female parent in photosynthesis and the male in leaf development.

Krieg said the ultimate goal is to develop a plant with smaller leaves and at the same time to increase the photosynthetic rate. Photosynthesis contributes as much as 95 percent of the dry, solid portion of the plant. Knowing how a parent plant will respond will aid Krieg and his team in identifying superior hybrid crosses.

The researchers are also studying the effect of particular sorghum varieties on grain production. Some sorghum is classified as perennial--under drought conditions these plants will sacrifice grain production in order to maintain vegetative growth. Annually growing sorghum reacts in the reverse. Under drought conditions these plants will contribute the majority of the photosynthesis material to the grain and sacrifice plant growth. A farmer facing dryland conditions will want to choose a type best suited to his rainfall pattern.

The final contributing factor in breeding the ideal plant is weather, Krieg said. Climatic data need to be gathered for areas where grain sorghum is a major crop. With that data researchers should be able to predict a type of weather distribution pattern which might statistically occur during specific times periods each year--all with about 80 percent accuracy. With a

sorghum/add two

relatively accurate long-term prediction farmers not only will be able to choose a variety more exactly, but plant breeders will also have a better idea of which characteristics to breed into the sorghum.

Although he is working with a limited number of parent plants and hybrids, Krieg eventually plans to devise a quick screening system for the 12,000 to 15,000 different types of grain sorghum in the world. He predicts that it may take three to five years, but the screening, based on known characteristics and reactions of each plant, would yield information within a relatively short time about which seed to choose for specific weather conditions.

Krieg is also doing limited work with the effect of photosynthesis rates on cotton's yield and plans to expand that work once he finishes his sorghum research.

Krieg emphasized that developing a superior sorghum for dryland conditions will have to be a cooperative effort between plant physiologists, plant breeders, land managers and others.

He has received research funding from the U.S. Department of Agriculture, the Texas Tech Water Resources Center and College of Agricultural Sciences, and the Texas Agricultural Experiment Station.