

DATE	Stories and Outlines	Locals	Reg. D	Reg. W	50 M's	Reg. R	x-lis	Adj.	Hometo	Explanations
15-7-30-79	Ken Thompson	/	/							Our file
16-7-30-79	Board of Regents Meeting	/	/							
17-7-31-79	Earth Shelter	/	/	/						Copies to Engineering Selected Ag., Dr. Garcia, 5 to Jean.
18-7-31-79	2, 4, 5-T	/	/	/	/					
19-7-31-79	Photo/Course	/	/							Special Mailing List, John McKinney Las Cruces, Ft. Collins, Col. Moscow, Idaho
20-7-31-79	Agriculture Editors	/	/							
21-7-31-79	Virginia Dean (Outline)-Honors Program									Avalanche Journal
22-7-31-79	Kellye Needles " "									Austin American
23-7-31-79	Cynthia Albrecht " "									Tulia Herald
24-7-31-79	Dana Davis " "									Roswell Record
1-8-1-79	Sabrina Griggs " "									Perryton Herald
2-8-1-79	Jeff Winton " "									Clovis Journal
3-8-1-79	Public Service- Earth Shelter									Local + Plus Radio, File-C.E. * No AJ
4-8-1-79	Cole Porter	/						/		Activities Office + OUR file
5-8-2-79	Cole Porter/Public Service	/						/		Local Radio + PSA (File U.C. Activities)
6-8-2-79	Dixon Research									
7-8-2-79	Dixon Research Outline									
8-8-2-79	Caprock Canyon	/								Amarillo, Quitaque, Turkey, Silverton Claude, Clarendon, Tulia, Happy, Canyon, Midland, 2 copies - Clained AJ, UD, Quitaque, Amarillo
9-8-2-79	" " Cutline									
10-8-2-79	Enameling Class	/						/		Copy to U.C. Activities
11-8-3-79	Research Course	/						/		Copies to Gully + Research Services

# 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: Nancy Farmer

LUBBOCK--A new course in sponsored research development will be offered for graduate students this fall at Texas Tech University.

"The course is designed to help students conceive and develop ideas for externally funded research," said Dr. A. J. Gully, interim associate vice president for Research and lead instructor of the program, "because when these people are finished with school, many of them will have careers involving the generation of ideas requiring sponsorship."

Most doctoral students in the program will eventually be employed by municipalities, universities, social agencies and private industry in which they will have to sell ideas to prospective sponsors, he said.

"We want to help students obtain a better appreciation of sponsor-researcher relationships so they will be better equipped to sell their proposals," Gully said. Prospective university faculty will learn how to proceed with research services operations and obtain the most help for their research.

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The class has been designated as a chemical engineering graduate course, but it is applicable to all university sectors. "The course had to have a departmental affiliation and, since I am the lead instructor, the Office of Research Services decided to use my home department," Gully said. Any doctoral or master's level student from any department of the university is eligible to receive graduate credit for the course.

"Course work of this nature has been offered in several departments before," Gully said, "but nothing specific for the whole university." The class was only recently announced but Gully reported there already has been positive response from most of the colleges on campus. "We will probably have an over-enrollment problem with the course."

Because of the varied background of the students involved, the course will be offered on a pass-fail basis.

Subjects to be covered include pre-proposal activities such as developing an idea, identifying a funding source and a preliminary proposal; writing a proposal; submitting and reviewing the proposal; activities in the awarding of a grant and post-award activities such as budgets, management, reporting and publication. Individual and group activities directed toward the development of a good proposal by each participant will supplement lectures and discussion.

Assisting Gully in instructing will be Kathy E. Harris, Office of Research Services staff, and Bill E. Schulze, assistant director of Research Services.

research course/add two

More information concerning the course may be obtained by contacting the Office of Research Services, Texas Tech University, Lubbock, Texas 79409, (806) 742-3884.

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11-8-3-79



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CONTACT: Nancy Lovell

LUBBOCK--There's still time to register for the enameling class from 2-5 p.m. on Tuesday (Aug. 7) in the Texas Tech University Center (UC).

The class is the last in a "Make It and Take It" workshop series sponsored by UC Activities.

Cost of the one-session course is \$6.50, the price of the materials provided. Instructors are Mary Donahue and Sheryl Shubert, activities advisers.

Previous courses in the series included basketry, mosaics and blockprinting.

The "Make It and Take It" program will be repeated this fall. Classes will begin at 7 p.m. For more information call University Center Activities Office 742-3621.

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10-8-3-79

Cutlines-----

ARCHEOLOGISTS BOUND FOR LAKE THEO--Among the scientists working on a pilot study of the archeology of Caprock Canyon State Park in Briscoe County this week (week of July 29) were, left to right: Ron Ralph, archeologist, Master Planning Branch, Parks Division, Texas Parks and Wildlife Department; Dr. Eileen Johnson, director, Lubbock Lake Site archeological project; Curtis Welty, Lubbock Lake Site field geologist; and Vance Holliday, field supervisor for the Lubbock Lake Site 1979 archeological dig. (TECH PHOTO)

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CONTACT: B. Zeeck

LUBBOCK--Caprock Canyon State Park near Quitaque is one of Texas' newest public recreational areas, yet one of the region's oldest attractions for man.

To learn just how attractive it was to prehistoric man and to determine how rich its archeological resources might be, a team of scientists made a pilot study in the Lake Theo portion of the park this week (week of July 29).

Dr. Eileen Johnson, director of the Lubbock Lake Site Project which operates through The Museum of Texas Tech University, and four others were interested particularly in the soils and the microvertebrate record of Caprock Canyon.

Gathering samples with her at the park were: Dr. B. L. Allen, soils specialist and member of the plant and soil sciences faculty at Texas Tech University; Vance Holliday, field supervisor for the Lubbock Lake Site 1979 dig and also a soils scientist; Curtis Welty, Lubbock Lake Site field geologist; and Ron Ralph, archeologist, Master Planning Branch, Parks Division, Texas Parks and Wildlife Department.

Ralph explained that the pilot study supports the work of the department, which funded the research, in planning how to best assign areas of Caprock Canyon State Park for various public uses. Protection of cultural resources is a part of the planning. The

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archeological input is used in determining which areas to develop and how to safeguard fragile resources.

At Lake Theo archeologists already have found evidence of Plainview and Folsom periods, 9,500 to 10,500 years ago.

Holliday said that he has a special interest in the buried soil sequence and its relationship to the buried soils at the Lubbock Lake Site.

Johnson said that evidence of ancient fauna discovered at the Lubbock Lake Site indicate that it at one time was a biotic extension of the Rolling Plains onto the Llano Estacado.

"There should be a similar microvertebrate record from Lake Theo," she said, "and discovery of this would be important to the environmental record of the Pleistocene epoch.

"The Lake Theo study is a part of our interest in developing the historic relationship of that site with the Lubbock Lake Site."

The soils study furnishes a time frame, she explained, and this is important in creating a physical framework for understanding cultural interrelationships.

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CONTACT: Pat Broyles

ATTN: Public Service Directors (Kill August 14)

30 seconds

LUBBOCK--SPEND A DELIGHTFUL "EVENING WITH COLE PORTER"  
TUESDAY, AUGUST 14TH, AT THE TEXAS TECH UNIVERSITY CENTER. THE  
EVENING BEGINS AT 7 P.M. WITH DINNER, FOLLOWED BY A PERFORMANCE  
OF ALMOST 30 OF PORTER'S MOST FAMOUS BALLADS. ACTORS AND  
MUSICIANS COMBINE TO MAKE AN "EVENING WITH COLE PORTER" A NIGHT  
TO REMEMBER. FOR RESERVATIONS CONTACT THE TEXAS TECH UC  
TICKETBOOTH AT 742-3621.

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5-8-2-79

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CONTACT: Nancy Lovell

LUBBOCK--"Delightful, delicious, and delovely" music of one of America's greatest songwriters will be featured Tuesday, Aug. 14, when Texas Tech University Center Activities presents its final Dinner Showcase, "An Evening With Cole Porter."

Cornish game hen, wild rice, broccoli, and grasshopper pie will be served at 7 p.m. in the UC Ballroom. Diners may then stroll across the courtyard to the UC Theater for the 8 p.m. performance.

The musical revue features the professional touring company of the Black Sheep Repertory Company of Manchester, Mich. Four performers sing and dance their way through almost 30 of Porter's most famous ballads including "I Get a Kick Out of You," "Just One of Those Things," "So in Love," and "Anything Goes."

Owen J. Anderson, actor and singer, will combine mime and comedy in the song "Be a Clown." He teams with Carolyn Tjon, a vocalist and actress who has toured Europe and the United States and performed at Kennedy Center and Carnegie Hall, in their rendition of "Night and Day" and "I've Got You Under My Skin."

Linda Hart, a child's theater specialist in the Ohio-Michigan area, will sing "My Heart Belongs to Daddy" and "You're the Top."

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David Johnson, who joined the repertory production in 1979, sings Porter tunes "C'est Magnifique" and "Begin the Beguine."

Actors and singers will produce bitter-sweet ballads to rollicking showstoppers, each a nostalgic or delightful reminder of Porter's style of humor, sadness and touch of class.

"An Evening With Cole Porter" was conceived and adapted by Stan Gill and Robert Ferris in the spring of 1978. As director and musical director respectively, they introduced the show to Black Sheep Theater audiences. Following a successful run there, it went on the road in September 1978 and played to enthusiastic audiences throughout the Midwest.

For reservations and ticket prices for the performance and dinner or for the performance only contact the UC Ticket Booth in the Activities Office on the second floor of the Texas Tech University Center or phone 742-3621.

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CONTACT: Pat Broyles

ATTN: Public Service Directors (Kill August 11)

30 seconds

LUBBOCK--FUTURE HOMEOWNERS ON THE SOUTH PLAINS CAN LIVE IN A HOME THAT IS SAFE FROM THE ELEMENTS, FIRE RESISTANT, QUIET, CLEAN AND THE BEST OF EVERYONE'S TRADITIONAL "DREAM HOUSE". A SEMINAR ON THE PRO'S AND CON'S OF EARTH SHELTERED HOUSING WILL BE HELD SATURDAY, AUGUST 11TH, FROM 8 A.M. TO 5 P.M. AT TEXAS TECH UNIVERSITY. THE SEMINAR IS DESIGNED FOR PERSONS WHO MAY WANT TO BUILD IN THE FUTURE, AS WELL AS FOR ARCHITECTS, ENGINEERS AND INSURANCE AND REAL ESTATE REPRESENTATIVES. FOR INFORMATION CONTACT THE TEXAS TECH DEPARTMENT OF CIVIL ENGINEERING AT (806) 742-3523.



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CONTACT: Jean Terrell

LUBBOCK--Two-4,5-T is one of the cheapest, easiest to handle, and most effective herbicides known. And Dr. John D. Garcia, range and wildlife management professor at Texas Tech University, has completed three research projects indicating that its harmful effects have been greatly exaggerated.

Garcia says the chemical has had a bad press, but benefits outweigh potential risk.

In Vietnam, a mixture of 2,4,5-T and 2,4-D (dioxin) was called "Agent Orange" and used extensively in military defoliation campaigns. Since that time, it has been blamed for birth defects, liver disease, hyperanxiety, and a host of other human and environmental ills.

Actually, the contaminant dioxin was later shown to be the culprit, but 2,4,5-T has been placed in "limited use" by the U.S. government, and some environmental groups are seeking to ban it entirely.

Opponents of 2,4,5-T have said that even though it is true that the chemical as used in Vietnam was applied at rates thousands of times greater than the amounts normally used in the U.S., it should still be banned. They say that because applications are

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repeated year after year, dioxin in the substance could build up and cause problems.

But, according to Garcia, the benefits of using 2,4,5-T are great. It is used to control undesirable vegetation in forests and rangeland. This means more timber-producing trees in the forests and more grass on the range. Lumber and beef prices will be lower. This is money in the consumer's pocket.

Because of the possibility of dioxin buildups in soil and eventual contamination of aquatic systems, Garcia wanted to determine whether any 2,4,5-T and dioxin were present in samples from areas treated with typical concentrations of the substance.

Garcia analyzed samples of soils following treatment of brush with 2,4,5-T in the Texas White River watershed. He tested lake sediment, water, organic matter, turtle, fish, and bird tissues in his search for residues of 2,4,5-T and dioxin.

The White River watershed had been repeatedly exposed to 2,4,5-T. Garcia's samples were taken over a period of 13 months.

"We found no dioxin, period," said Garcia. "We found very low levels (only a few parts per billion) of 2,4,5-T in soils, lake sediment, organic matter and some turtle tissue. The low levels contained by sample materials indicate a short persistence time for the substance and very little transfer to water habitat and animals. There is no evidence of buildup. Concerns about serious environmental contamination resulting from normal use of 2,4,5-T to control brush do not appear to be justified."

Intrigued by the fact that he detected no 2,4,5-T at all in fish tissues, Garcia conducted controlled laboratory investigations. He raised seven species of fish in laboratory aquaria and repeatedly exposed them to 2,4,5-T in concentrations similar to those to which they might be exposed as the result of use of 2,4,5-T for brush control in a natural setting.

Garcia said that while some accumulation of 2,4,5-T at parts per billion levels were detected in tissues of these fish, he found absolutely no dioxin.

"These data suggest that use of 2,4,5-T at these levels does not threaten fish.

"It all boils down to a question of hazard versus risk. Yes, the substance is hazardous. But there is very little risk involved as it is now being used. Many things are hazardous. Aspirin is hazardous under some circumstances. But there is not much risk when aspirin is used correctly. The same is true of 2,4,5-T."

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CONTACT: B. Zeeck

LUBBOCK--The best of two possible worlds is available to people building homes today.

They can have all the aesthetics of a traditional home and still reduce energy costs tremendously and have the safety of a house that is both fire and tornado resistant.

The new concepts in earth-sheltered homes, according to one Texas Tech University researcher, represents an insurance company's dream, and the owner can still have the best of a traditional dream house. Maybe best of all, the earth-sheltered home insulates for more than heating and cooling. It also reduces noise coming into the house.

A seminar for people who want to build in the future, as well as for architects and engineers and representatives of insurance, lending or real estate companies will be held on the Texas Tech campus Aug. 11 on advantages and disadvantages of earth-sheltered homes.

Participants will learn what is possible for earth-sheltering even on the level West Texas plains, what to look for and what to look out for. There will be expert speakers and time for discussion. Examples of innovations will be included.

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Giving the seminar are three speakers who have had a special interest and study in various housing concepts. Dr. Ernst W. Kiesling, who heads the civil engineering faculty and whose housing concepts have attracted nationwide interest, will be on the panel.

With him will be Richard A. Behr, who holds the master's degree in civil engineering and has just returned from nine months as a Fulbright Fellow in New Zealand where he studied new concepts in construction. The third speaker is Gary A. Boubel, who earned a degree in architecture and now is working toward the master's degree in civil engineering. Behr is a research associate and Boubel a research assistant in the Texas Tech Department of Civil Engineering.

The earth-sheltering concepts that have attracted the researchers' attention make a home a far cry from a dugout or even modern underground houses.

"From the street," Behr pointed out, "the earth-sheltered home attracts attention only because of its good appearance. Inside, there is no feeling of the extra protection provided. Interiors are quite traditional and designers can even have more architectural freedom, in some cases, than with conventional building.

"The advantages are that these structures are fire resistant, resistant to high winds or tornadoes, not likely to suffer hail damage, and big savers as far as energy and maintenance are concerned.

"You shouldn't even have to dust them as often as the traditional house," he said.

Behr admitted that the initial cost might be higher than for a conventional home, but this money and more comes back to the owner in savings, he contended.

Keisling said that people who have any intention of building a home in the future could profit from the seminar because they could learn what to ask their architects or builders to design.

The earth-sheltered homes are still in the custom building price range, Behr said, "but ultimately the majority of home buyers may be seeking this kind of dwelling."

The seminar will be held from 8 a.m. - 5 p.m. Saturday, Aug. 11, in room 169 of the Home Economics Building on the Texas Tech campus.

Pre-registration fees should be mailed to the Department of Civil Engineering, P.O. Box 4089, Texas Tech University, Lubbock, Texas 79409. The cost is \$30 a person or \$45 for married couples before Aug. 4, and \$40 per person or \$60 for married couples if fees are mailed after Aug. 4. For more information call area code 806-742-3523.

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CONTACT: Jane Brandenberger

LUBBOCK--A lengthy slate of end-of-the-year details will characterize the agendas of the Boards of Regents of Texas Tech University and Health Sciences Center on Friday (Aug. 3).

The boards will meet at 9 a.m. in the Boardroom second floor of the Administration Building.

Meeting first as the board for the university, the regents will first discuss athletic affairs, including policies on broadcasts of athletic events, on basketball tournaments and football bowls and on travel for Athletic Department personnel.

The Academic and Student Affairs Committee will present a Law School honor code and the general Student Code, as well as suggested changes in board policy on authority to approve travel.

Next on the agenda is consideration of a policy for formulation and coordination of programs and activities for development of support from the private sector.

Under Campus and Building Committee action will be selection of an architect for the Music Building addition and approval of contract documents and authority to receive bids for Lubbock Coliseum dressing rooms construction and the final construction phase of the Goddard Range and Wildlife Management Building.

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The Committee of the Whole will consider authority for Dr. Lawrence L. Graves, interim president, to conduct business after Aug. 4, when current President Cecil Mackey leaves to accept the Michigan State University presidency. The regents also will discuss policy regarding regental seating at annual commencement exercises.

Financial actions will include numerous business affair items. Some of these include approval of concession contracts, awarding of a cash investment depository contract, approval of an interagency cooperation contract between the university and the health sciences center for the next biennium, changes in the Student Service Fee level and approval of the 1980 budget for both institutions.

Final action on behalf of the university will include election of board officers.

In the second part of the Friday morning session the regents will meet as the board for the Health Sciences Center.

The Campus and Building Committee will seek authority to proceed with planning and to appoint an architect for Phase II construction at both the Regional Academic Health Center at El Paso and the one at Amarillo.

Other items include consideration of an addendum to the affiliation agreement with Hotel Dieu Hospital of El Paso and of change in the official seal for the HSC.

Health Sciences Center board officers also will be elected.

An executive session is tentatively scheduled from 9:05-9:30 a.m.



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CONTACT: Dan Tarpley

LUBBOCK--A 35 mm photography short course for amateur South Plains Photographers will be repeated this fall at Texas Tech University.

"Beginning Photography" will meet on Monday nights for six weeks starting Sept. 10. Drill in operation and care of the camera will be given before major interest is placed on how to compose and shoot better pictures.

The course will be taught by Texas Tech faculty member John McKinney, world-traveler and former editor and cover photographer of "Southern Living" and "Progressive Farmer" magazines.

Since inauguration of the Tech "Beginning Photography" short course series in 1977, 28 consecutive groups totaling more than 700 people have been enrolled. "Some amateurs, after shooting as long as 20 years, have enrolled for updating and new ideas," said McKinney. "Perhaps the course should be re-named 'Beginning Intermediate Photography.' We see rookie amateurs and veterans learning side by side."

Pointing to photography as America's number one hobby, the teacher said, "Suddenly millions of people are discovering the exhilaration of a good picture. Full-page newspaper ads feature

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photo/add one

heretofore unknown handsome cameras within budget range of most families. And at least five well-known camera brands are blossoming forth in TV commercials.

"Research at some of the large art museums shows that more people go to see photographs than paintings," he said. "It is really getting to be a photography world. However, we encourage photography students to take basic art courses at the first opportunity. Art can help photography."

Tuition for "Beginning Photography" is \$30. For a brochure describing the course and a form for enrolling by mail call Mass Communications Department (806) 742-3385, or pick up in Mass Communications Building, Room 102.

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CONTACT: Prabhu Ponkshe

ATTN: Agriculture Editors

LUBBOCK--Sand dune fixation will be the subject of a Texas Tech University range management expert in Russia.

Dr. Billie E. Dahl, professor of range management, will be in the Soviet Union on Aug. 6 - Sept. 22 to teach courses arranged (cq) and funded by the United Nations Environmental Programme and the Soviet government for representatives from developing countries.

The Texas Tech professor was nominated to participate in the UNEP effort by Dr. Harold E. Dregne, director of Tech's International Center for Arid and Semi-Arid Land Studies (ICASALS), and by Dr. Harold Matteson, International Programs Office, New Mexico State University. The nominations were sent through the U.S. Department of State.

The courses, to be conducted in English, are part of a UN effort to train specialists from developing countries to halt the spread of the deserts. The need for such courses was emphasized during the 1977 UN Conference on Desertification in Kenya. Dregne attended that conference as a UN adviser.

Dr. Donald F. Burzlaff, chairman of the Range and Wildlife Management Department, will assume Dahl's teaching responsibilities.

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agriculture/add one

Dahl was range manager for the U.S. Bureau of Land Management, 1953-56, and served as range researcher and associate professor of range management at Colorado State University, 1956-62 and 1964-67. He received the Ph.D. from the University of Idaho in 1966 and came to Texas Tech in 1967.

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20-7-31-79

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CONTACT: DAN TARPLEY

LUBBOCK--Kenneth W. Thompson, Texas Tech University vice president for Finance and Administration since 1976, has been appointed vice president for Operations at Michigan State University.

The new position and the appointment of Thompson had been recommended to Michigan State's Board of Trustees by Dr. Cecil Mackey, president-designate of MSU. Texas Tech President Mackey will assume the MSU presidency on Aug. 4 and Thompson the MSU vice presidency on Sept. 1.

Mackey said a precise definition of Thompson's duties would be developed after a review of MSU's executive level organization.

"Mr. Thompson will be involved in policy making in the areas of finance and planning and university administration," Dr. Mackey said. "Later in the fall I expect to bring to the board my recommendations for an organizational structure that will best serve the university in the years ahead. Mr. Thompson will assist in that effort."

Thompson, 37, has been associated with Dr. Mackey since 1969, when Thompson headed the administrative data processing unit at Florida State University. He later served as vice

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president for Administration at the University of South Florida. Thompson joined Dr. Mackey at Texas Tech University in 1976 as vice president for Finance and Administration.

Thompson received a bachelor's degree in linguistics from Capital University in Columbus, Ohio, and a master's degree in education administration from the University of South Florida.

He is married and the father of three children.

Cutline-----

HONORS PROGRAM CONSULTATION--Virginia Dean of Lubbock receives counseling regarding Texas Tech University's honors program for entering students who can qualify. She is the daughter of Mr. and Mrs. John Dean of 2005 45th, Lubbock. Virginia is a 1979 high school graduate and participated in early registration conferences for entering freshmen at Texas Tech this week. The honors program is for students who had a B average or above in high school or scored high in scholastic aptitude and achievement tests. Additional early registration conferences are scheduled through Aug. 17. (TECH PHOTO)

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21-7-31-79

Cutline-----

HONORS PROGRAM CONSULTATION--Kellye Needles (seated) of Austin receives counseling regarding Texas Tech University's honors program for entering students who can qualify. She is the daughter of Mr. and Mrs. Allan P. Needles of 9616 Chekar Circle, Austin. Also pictured is Kellye's mother, Mrs. Allen P. Needles. Kellye is a 1979 high school graduate and participated in early registration conferences for entering freshmen at Texas Tech this week. The honors program is for students who had a B average or above in high school or scored high in scholastic aptitude and achievement tests. Additional early registration conferences are scheduled through Aug. 17. (TECH PHOTO).

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22-7-31-79



Cutline-----

HONORS PROGRAM CONSULTATION--Cynthia Albrecht (left) of Tulia receives counseling regarding Texas Tech University's honors program for entering students who can qualify. She is the daughter of Mr. and Mrs. R.D. Albrecht of 39 Fannin Drive, Tulia. Also pictured is Cynthia's brother, Roy Albrecht, and her mother, Dorothy Albrecht. Cynthia is a 1979 high school graduate and participated in early registration conferences for entering freshmen at Texas Tech this week. The honors program is for students who had a B average or above in high school or scored high in scholastic aptitude and achievement tests. Additional early registration conferences are scheduled through Aug. 17. (TECH PHOTO)

Cutline-----

HONORS PROGRAM CONSULTATION--Dana Davis of Roswell receives counseling regarding Texas Tech University's honors program for entering students who can qualify. She is the daughter of Mr. and Mrs. Joe S. Davis of 508 Hemlock, Roswell. Dana is a 1979 high school graduate and participated in early registration conferences for entering freshmen at Texas Tech this week. The honors program is for students who had a B average or above in high school or scored high in scholastic aptitude and achievement tests. Additional early registration conferences are scheduled through Aug. 17. (TECH PHOTO).

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24-7-31-79

Cutline-----

HONORS PROGRAM CONSULTATION--Jeff Winton of Clovis receives counseling regarding Texas Tech University's honors program for entering students who can qualify. He is the son of Mr. and Mrs. Jack Winton of 1609 Colonial Parkway, Clovis. Also pictured is Jeff's father, Jack Winton. Jeff is a 1979 high school graduate and participated in early registration conferences for entering freshmen at Texas Tech this week. The honors program is for students who had a B average or above in high school or scored high in scholastic aptitude and achievement tests. Additional early registration conferences are scheduled through Aug. 17. (TECH PHOTO).

Cutline-----

HONORS PROGRAM CONSULTATION--Sabrina Griggs of Perryton receives counseling regarding Texas Tech University's honors program for entering students who can qualify. She is the daughter of Mrs. Gloria Griggs of 1109 Drake, Perryton. Sabrina is a 1979 high school graduate and participated in early registration conferences for entering freshmen at Texas Tech this week. The honors program is for students who had a B average or above in high school or scored high in scholastic aptitude and achievement tests. Additional early registration conferences are scheduled through Aug. 17. (TECH PHOTO)

[illegible]

Cutlines-----

LUBBOCK--PIECING UP AN END--Jack D. Towery, (left) head of processing research at the Texas Tech University Textile Research Center, and Albert Esquibel, open-end spinning technician, observe while W. C. Cole, foreman for the TRC's open-end spinning, repairs a broken yarn, a process known as "piecing up." The machine is a Barber Colman SPIN-FLEX Rotarl Spinning Machine recently acquired by the center for its research. (TECH PHOTO)

# Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: B. Zeeck

LUBBOCK--The Textile Research Center at Texas Tech University has acquired a new open-end spinning machine which has the distinction of being the only one of its type made in the United States.

"It's remarkable," according to TRC Director James S. Parker, "for several reasons but certainly because it is American made. Before 1950, 82 percent of the equipment used in the U.S. textile industry was American made. Now the figure is less than 20 percent."

The machine has spinning units made in Germany, but "it is the nearest thing we have to an American made unit," Parker said. It was built by Barber Colman Co., Rockford, Ill., a company which has placed the machine in the Textile Research Center for studies. It is the company's first venture in yarn preparation machinery. It produces fine yarn on a closed system.

Open-end spinning is the opposite of the traditional ring spinning used for nearly a century, from the time of the Spinning Jenny until the mid-1960s. It was then that a practical system for open-end spinning opened a new era. In open-end spinning, the bobbin concept is eliminated. Instead of winding the yarn onto a bobbin or spindle, the yarn can be made longer and the process speeded. Open-end spinning machines operate at 60,000 revolutions per minute, giving one turn of twist with each revolution. Ring spinning machines work at about 13,000 rpm.

-more-

Jack D. Towery, head of processing research at the center, said the new machine will permit research leading to better open-end yarns.

Open-end spun yarns already have some advantages over ring spun yarns, he said. They are smoother, more uniform and less hairy. Fabrics made with the yarn have a higher abrasion resistance than fabrics made from ring spun yarns. Less dye is needed to achieve the same degree of color. The fabric is bulkier and so makes a better fabric cover. Both have good "memory" for no-iron fabrics.

"Men tend to like the crisper fabric," Towery said, "although women sometimes can detect a subtle difference and indicate they like the texture of the rougher, ring spun yarns better."

There is one difficulty. Using the same quality of fibers for yarn, the open-end spun yarns are weaker than the ring spun. This, however, can be overcome by choosing the proper fibers.

Towery said that the system was developed for cotton and cotton blends, although some research at the Textile Research Center involves spinning wool on the cotton system.

Cotton fibers go through an instrument test line for open-end spinning selection to determine the length, length uniformity, linear density, tensile strength, trash content and color. These measurements help determine yarn character.

By selecting the proper fiber properties, open-end spun cotton yarn has been found sturdy enough for the strongest denims, Towery said.



In the future, Towery believes, most heavy cotton fabrics will have been made from open-end spun yarns. The concept is new, he said, when one considers that cotton fabric 3500 years old has been found in the Indus Valley of Pakistan.

With continuing research, Towery indicated that finer and better grades of cotton fabric will be produced, fabric that might compare some day even to the gossamer cloth so precious to ancient rulers of India that they would not allow it to be exported.

As for future production of American made textile machinery, Towery said he felt that will increase. After World War II, he explained, the textile industry of Europe had been so devastated that the machinery development there "moved like wildfire." The first open-end spinning system was developed in Czechoslovakia in 1965.

"American industrial interest is increasing," he said, "and the machine we have acquired from Barber Colman is a good indication that American manufacturers want back in the market."

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CONTACT: B. Zeeck

ATTENTION: Building and Real Estate Editors

LUBBOCK--When high winds, earthquakes or fire occur, people want safe shelter. To provide that, engineers develop building standards and codes, each "a horse of a different color."

Standards are a set of requirements for building design providing safe use and maintenance consistent with economy. These are developed nationally by an American National Standards Institute (ANSI) and the pace of revisions is stepping up.

Codes, on the other hand, are legal standards compiling minimum requirements to assure adequate safety under most conditions, but there is a rub with codes.

Within the United States four major model building codes are used, usually adapted to local conditions. One is the National Building Code developed by insurance companies, and then there are the Standard Building Code found mostly in southern states, the Uniform Building Code common in the Midwest and West Coast cities, and the Basic Building Code common in the Midwest and northern states.

Dr. Kishor C. Mehta of the Texas Tech University civil engineering faculty points out that one of the problems with codes is the frustration they cause for architects and engineers working in more than one city. They must comply with the codes for each locality.

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Lubbock, for instance, uses the Uniform Code and Texas coastal cities favor the Standard Code. Kansas City, Mo., has one code and Kansas City, Kan., across the river, another. Any company trying to build look-alike stores or restaurants across the nation can produce identical facades, but the interior construction must comply with local codes.

The problem is of special interest to Mehta because he chairs the ANSI Wind Loads Subcommittee of a larger committee on loads on buildings and structures. The subcommittee hopes to publish in 1980 a revision of the 1972 standard. The ANSI first published standards in 1935, revised them in 1955 and again in 1972. After the expected 1980 revision it is likely, in Mehta's view, that revisions will be made every five years.

"The provisions of the codes should be changed every one to three years to provide flexibility," Mehta said, "but the major changes reflected in the standards should be made every five years to incorporate new knowledge as it develops."

One of the problems in revision, he said, is that a standard must be concise, easily understood and easily used "to provide protection and safety consistent with economy." While there always will be some misinterpretation, he admitted, the committee works to minimize this.

The work is done on Mehta's subcommittee by 12 members, including four consulting engineers, four engineers from industry and four researchers. The members represent all sections of the country, from the east to the west coasts and from the northern Midwest to Florida. Before being adopted, standards are issued for public review and are available for comment.

"These are consensus standards," Mehta said, "and so they carry more weight because they are supported by extensive professional review and agreement. The new wind load standard will include concepts of current practices, past experiences and synthesized research knowledge."

He said the new wind load standard developed for the ANSI probably will be issued this fall for public review and then incorporated as a formal standard in 1980.

Following its adoption by the ANSI, he explained, its substance will be incorporated into building codes.

"If it is a good standard," Mehta said, "it can be hoped that it will help bring additional uniformity in building codes."

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CONTACT: Dan Tarpley

LUBBOCK--A service course for men and women, students and non-students who are concerned about their own nutrition, diets, and health and that of their families will find a class in "Nutrition for Today" of interest and value.

Plans for the course in Texas Tech University's Department of Food and Nutrition in the College of Home Economics were announced by Chairman Leon L. Hopkins.

Housewives, office workers and other working men and women whose jobs are of a sedentary nature and are beginning to show up as extra pounds here and there will find the course material of value. Others who may want to add a pound or two also may gain from this rare course based on proven research designed to help participants eat properly.

To accommodate those office workers and others who may have restricted time for going to class, the course will be offered from 12:30-1:30 p.m. on Mondays, Wednesdays and Fridays in Room 169, Home Economics Building, beginning this fall. Participants are invited to bring their brown bag lunches and eat them during lectures. There is no laboratory work in the course.

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Dr. Julian E. Spallholz, who holds bachelor's and master's degrees from Colorado State University and a Ph.D. from the University of Hawaii, will teach the course and promises it will be "entertaining as well as informative and educational."

The survey course for non-home economics majors will cover nutrition, dieting, additives, food consumption patterns, nutritional labeling, food regulations and world food problems.

Plans call for individual analysis of participants' diets and will deal with special diets for diabetics, fiber consumption for regularity, and some phases of alcohol use and abuse.

This type of service course, Spallholz said, has been popular with other universities, particularly during recent years, since there has been a trend toward emphasis on nutrition and proper diet on the part of students as well as non-students.

"In our course, we will devote some time discussing dietary problems individual participants may encounter and will work with individuals if they seek our help in improving their eating habits," Spallholz said. "And if there are participants with special nutritional problems, we will make efforts to analyze them and offer suggestions of a remedial nature," he said.

"It is our intent to make this not only a pleasant experience for participants, but also one that will contribute to their own health and that of their families and communities through improved nutritional practices," he said.

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LUBBOCK--Fusion as a future source of energy, the necessary simulation of the effects of modern weapons, and other advances important to future societies are dependent upon developments in pulsed power technology.

Problems lie in the high energy of the pulsed power, particularly problems of switching the pulses on and off.

To seek some of the solutions the Air Force Office of Scientific Research (AFOSR) has granted a Texas Tech University team \$596,134 to implement a coordinated research program in pulsed power physics. Working on the project will be faculty and graduate students in electrical engineering and physics.

Texas Tech already has established itself as a national leader in pulsed power research. Among the many problems confronting scientists and engineers in regard to pulsed power are such things as energy storage and pulse forming and switching, with switching among the most important.

A Texas Tech Horn Professor of Electrical Engineering, Dr. Magne Kristiansen, is project director for the AFOSR program, Dr. Martin A. Gundersen and Dr. Marion O. Hagler, both of the electrical engineering faculty, are associate project directors.

-more-

pulsed power/add one

Kristiansen contends that "switching appears to be the most important pulsed power problem as well as one of the most troublesome." Initial efforts in the new program, he said, will emphasize physics problems related to high power switching. Spark gap switches will be of special interest.

Kristiansen explained that the spark plug in an internal combustion engine is an example of a self-triggered spark gap, but pulsed power technology deals with voltage as high as 12 million volts, or currents as high as 4 or 5 million amperes, and the switching time is usually less than a millionth of a second. The switches have to repeat as fast as possible over a long period of time.

"We would be happy," he said, "to switch thousands of times per second or faster and have the switch with a long lifetime, where electrodes don't get eaten up by the high power discharge."

A fusion reactor, for instance, might require a billion shots before a switch would wear out. Public utility companies would like a switch that would pulse two or three times a second for three years.

The bottleneck in pulsed power technology, he explained, comes in the fact that it is impossible to settle on the final design of the rest of a pulsed power system until the switching problem is solved.

"It is clear that a much better understanding of the various basic physics phenomena involved in high power switching is needed before one can expect to obtain the large performance improvements that are needed for the various future pulsed power applications."



As project director, Kristiansen will primarily serve as coordinator because a critical part of the program will be communication among researchers for exchange of information and expertise. Seven projects will be undertaken under the direction of various team members.

In addition to Gundersen and Hagler, others are: Drs. John P. Craig, Erich E. Kunhardt, P. Frazier Williams, all on the electrical engineering faculty; Dr. Lynn L. Hatfield of the physics faculty; and Dr. Karlheinz Schoenbach, visiting assistant professor of electrical engineering from Darmstadt Technical University in West Germany.

All the faculty members involved have conducted recent pulsed power research with the support of the Department of Defense or the Department of Energy.

"The intent of this proposal is to bring the wide expertise of these faculty members to bear on an area of particular importance with the goal of making significant advances in the basic knowledge needed for future technology improvements," Kristiansen said.

"It is clear that amazingly little is known and understood about the physics of switch operations. Many of the most fundamental phenomena are poorly understood. A much better understanding of the various basic physics phenomena involved in high power switching is needed before one can expect to obtain the large performance improvements that are needed for the various future pulsed power applications."

pulsed power/add three

He said the program is expected to continue for several years, with the researchers seeking new solutions to pulsed power technology problems, testing ideas, rejecting some concepts and adding new ones that might show promise.

Some Air Force facilities and equipment will be used, and a large portion of an addition to the Texas Tech electrical engineering building will be devoted to pulsed power research, Kristiansen said.

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9-8-8-79

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CONTACT: Doug Simpson

LUBBOCK--Texas Tech's Center for Public Service has received a U.S. Department of Health, Education and Welfare (HEW) grant of \$61,550 to support the university's Master of Public Administration (MPA) program.

Dr. N. Joseph Cayer, director of the center, said \$6,950 of the money will be used to support current MPA projects.

Part of the money will help support students working with local governments. Another \$800 of the \$6,950 allotment will be used to develop counseling teams for graduate students. These teams will help students prepare for job interviews in the public service field.

The other \$54,600 will be used to support nine fellowships in the MPA program.

"The money will provide an opportunity for students to work full-time for an MPA degree so that they can get jobs in the public service field," Cayer said. "The aim of the MPA program is to see that the best-trained people are available for public service positions."

-more-

center for public service grant/add one

The program is a joint effort of the Department of Political Science and the Management Area of the College of Business Administration at Texas Tech. The program seeks to educate graduate students for responsible administrative positions at all levels of government.

The Center for Public Service is guided by an advisory committee consisting of two political science professors, two business management professors, an MPA member, and a practitioner, Larry Cunningham, Lubbock city manager.

The MPA program was started here in 1973. This is the fourth year the Center for Public Service has received public service education grant money from the federal government, Cayer said.

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CONTACT: B. Zeeck

LUBBOCK--The Texas Tech University Institute for Disaster (IDR) Research has issued a summary report of the various interests of researchers studying the April 10 Wichita Falls tornado. It is available upon request to others interested in studying the disastrous event.

New interest is being shown, the report reveals, in the sociological impact of such a disaster. Dr. Thomas E. Drabek of the University of Denver Department of Sociology, for instance, is studying organized efforts to locate and transport to safety victims of the Wichita Falls tornado, other similar natural disasters and persons who are the object of search and rescue missions in remote areas.

In Wichita Falls 21 different organizations were involved in search and rescue-related activities after the tornado.

IDR Director Joseph E. Minor said that among the 36 researchers attending a June 14 meeting at Texas Tech, there was considerable interest in developing the sociological research aspects relating to natural disasters.

"A great deal of research has been done in the fields of meteorology and engineering," he said, "and sociological input will furnish an important component in future studies."

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The IDR summary is a brief collection of observations made by researchers who either attended the June 14 meeting or wrote of their studies. The summary is expected to facilitate a useful crossflow of information on various aspects of the Wichita Falls tornado.

In addition to a summary of the conference, it contains written comments from those who could not attend but who have a special interest in the Wichita Falls tornado, a damage map, a list of contributing participants and a list of individuals with special research interests in the event. The conference program also is attached.

In addition to Texas Tech, the conference was supported by the Wind Engineering Research Council Inc., United States Nuclear Regulatory Commission, National Research Council Committee on Natural Disasters, National Science Foundation, National Weather Service and the National Severe Storms Laboratory of the National Oceanic and Atmospheric Administration, Texas State Department of Public Safety and the City of Wichita Falls.

Dr. Kishor C. Mehta and Minor, both of IDR, are editors of the report.

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CONTACT: Dan Tarpley

LUBBOCK--A series of one-day seminars on fundamentals of professional selling, sponsored by the Center for Professional Development at Texas Tech University's College of Business Administration, will be conducted in six Texas cities.

The first opened in Dallas Tuesday (Aug. 7), with others scheduled in San Antonio on Aug. 8, Austin on Aug. 9, Houston on Aug. 14, Lubbock on Aug. 15 and El Paso on Aug. 16.

Author of numerous books and articles on salesmanship and marketing, Don Dible of Fairfield Calif., is seminar leader, according to Dr. Mitchell H. Raiborn, center director. Dible conducts more than 100 seminars and workshops a year throughout the United States. Raiborn said Dible's "lucid, enthusiastic presentation style is designed to inspire and motivate seminar participants to put to immediate use the principles covered in the seminars."

The program for each seminar starts with a determination of the most pressing problems experienced by participants in their day-to-day efforts. During the seminar, material is literally tailored to address these special problems areas. Topics include prospecting, selecting effective presentations, discussion of appointments, overcoming stalls and objections and closing a sale.

-more-

professional development/add one

Registration fee is \$85, which includes instruction and course materials. Registration may be completed in advance or at the door.

Additional information may be obtained from the Center for Professional Development at Texas Tech, (806) 742-3170.

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5-8-7-79



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CONTACT: Nancy Lovell

LUBBOCK--The senior year of high school often fails to prepare incoming freshmen for the size and pace of a large university. Self-initiative, developmental skills, and study attitudes and habits may not have sufficiently evolved to insure success.

This fall "Patterns of Healthful Living," a class designed for new Texas Tech University students, has a new format with added expertise from Dr. Moses Turner, director of Student Life, and Dr. Rolf W. Gordhamer, director of the University Counseling Center. Classes will meet from 10:30 a.m.-12 noon, Tuesdays and Thursdays, in Room 128, Holden Hall. The first class is scheduled for Sept. 4.

According to the course coordinator, Dr. Paul A. Knipping, the idea for the class was conceived simultaneously by Turner and himself. "Turner had toyed with an idea of this design," he said, "but due to the difficulty of beginning an entirely new class, I proposed we alter the one in existence to achieve the objectives."

The objective is to provide new students with a tap on the wealth of campus-wide academic and counseling resources in pertinent areas. "Tech has an enormous reservoir of talent. We're being derelict in our duties if we don't bring students in contact with these people," Knipping said.

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Lectures delivered by campus resources and community professionals will include "Emotional Problems of Youth" by Gordhamer; "Alcohol Education" by David L. Nail of the Office of Student Life; "Sexually Transmitted Diseases" by Dr. Lyle C. Kuhnley of the Biological Sciences Department; "Aging, Social and Biological Aspects" by Dr. Carl F. Page, Lubbock physician; and, "Environmental Health" by Michael Bruce, coordinator of Environmental Health at the Lubbock Health Department.

Knipping, who will coordinate all classes to insure continuity, will lecture on "Zoonoses," diseases transmitted from animal to man, and stress management, an area in which Knipping also teaches workshops and seminars.

"Involving these offices and departments with incoming freshmen will help new students avoid pitfalls," he said. "We want to help them achieve success here and in later life."

Knipping said the class would provide input to students concerning habits, study disciplines, human sexuality, drinking, health, and experience in decision making. Emotional self-help will be stressed.

"Many of the simple, daily choices of young people determine their longevity and performance on planet Earth. We believe incoming freshman students need special help. We want to enhance their chances of achieving success."

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CONTACT: B. Zeeck

LUBBOCK--The first Feed Manufacturing Short Course to be offered by Texas Tech University will begin Monday, Aug. 13, and already more than 40 persons have registered for it.

Registration is limited to 50 persons, according to the coordinator, Dr. C. Reed Richardson. The cost is \$375.

The course will incorporate use of the unique feed mill operation at the Lubbock County Field Laboratory of the Texas Tech College of Agricultural Sciences. The \$1.5 million mill is the only one of its design and complexity devoted exclusively to university research in livestock feeds.

Topics for the short course include management, feed formulation, manufacturing practices, customer relations, personnel management, inventory and cost control, employee safety, equipment selection, electrical systems and maintenance.

The course will continue through Friday, Aug. 17, and the final day is set aside for participants to choose study in their special area of interest, either commercial operation or feed lot-feed mill operation.

Texas Tech is sponsoring the course in cooperation with the Texas Grain and Feed, Texas Cattle Feeders and the American Feed Manufacturers associations.

For more information call Richardson at area code (806) 742-2825.  
4-8-7-79 -30-

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CONTACT: B. Zeeck

LUBBOCK--Dr. Rosslyn M. Smith has joined the Texas Tech University faculty as director of a new program to teach English as a foreign language.

Dr. Charles S. Hardwick, vice president for Academic Affairs, made the announcement. He said Smith will be associated with the faculty in Classical and Romance Languages, but her particular assignment will be the development of a program to assist international students with studies in English.

"No one is admitted to the university without having passed a proficiency test in English," he said, "but many of the growing number of international students have difficulty with the language even when their test scores are acceptable."

Smith explained that knowing a language only from textbook experience leaves gaps in understanding that make it difficult for a student newly arrived in the United States.

"A student may, for instance, have fluency in the language of technical fields with an excellent technical vocabulary but at the same time need help in communication, particularly in any area where English is spoken with a regional dialect."

-more-

Smith, who for five years directed at West Virginia University a program similar to the one proposed for Texas Tech, said the special program should provide: basic language instruction, which is not the same as beginning English, cultural orientation, and intercultural communication.

The basic language instruction for students who need it would include colloquialisms and idiomatic expressions which an international student would not likely encounter at home. It also would encompass grammar and composition.

Cultural orientation is important, she said, because everyone's language is linked to the culture from which it arises. For instance, in West Texas it would be difficult for a newcomer to know what a borrow ditch is, let alone understand that it is spelled one way and pronounced another, "bar ditch." Still, that is one of the terms used in everyday language in the Texas Tech area.

Intercultural communication involves, in part, classroom communication skills. The relationship between professor and student in West Texas may be very different from the teacher-student relationship in other countries. How this is understood affects the way in which classroom communication takes place, Smith explained.

Some graduate students from foreign countries may be highly sought after because of their high quality. These students often are assigned duties as teaching assistants. While they know their field well and even know English well, they might very well need assistance with intercultural communication in order that the students they teach can understand their instruction.

Smith said that each international student entering Texas Tech will take the Michigan Test of English Language Proficiency, testing grammar, composition, listening and oral communication. On the basis of this test, recommendations will be made as to what kind of assistance would best benefit the student.

"An important part of any course the international students take in English as a second language," she said, "will be to help them gain confidence. They can ask any questions that might arise concerning word meaning, usage, or cultural patterns. They can talk out their problems without fear of seeming to ask a foolish question.

"Confidence is important," she said, "in achieving success in speaking a foreign language."

Dr. Thomas A. Langford, associate dean of the Graduate School, said that Smith's responsibilities include coordinating all offerings in English as a second language on campus. She also will originate and coordinate future offerings.

Eventually, he said, it is hoped that courses will be offered graduate students who want to train in the field of teaching English as a second or foreign language.

Smith earned the bachelor's degree magna cum laude at the University of New Mexico. Her master's degree was earned at the University of Wisconsin and her doctorate in Spanish and linguistics was earned at the University of New Mexico. She also has studied at the Universidad Nacional de Mexico and in Peru under a Fulbright-Hays study grant.

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CONTACT: Doug Simpson

LUBBOCK--Supervisory skills are vital to professional people employed in government; however, there is a substantial number of them who lack extensive training in these skills.

The Municipal Supervisor Improvement and Development Training (MSIDT) program, a project of the Center for Public Service at Texas Tech University, was implemented for the purpose of helping city government professionals develop and acquire supervisory skills. Currently, the program serves the cities of Midland and Odessa.

In the past, the MSIDT program has worked with city government supervisors of all levels in the cities of Abilene and Lubbock. Founders of the project want to see the number of cities served expanded in the future.

"We would like to see more cities in Texas, such as Amarillo and other West Texas cities, added to the Municipal Supervisor Improvement and Development Training program," said Alison Davidow, graduate student and research assistant for the project. "It is our job to see that city government employees acquire the knowledge and skills needed to carry out duties of a supervisory nature."

-more-

supervisor training program/add one

The program trains employees on an on-the-job basis. Expert speakers are secured for instructional purposes. The Texas Tech University faculty serves as a prime resource for these speakers.

Topics covered so far include labor relations, selection interviewing, health and safety, discipline and organizing work. Speakers are selected from both academic and professional fields.

The project seeks to correct problems often overlooked in programs dealing with communications techniques -- that of distinguishing between types of supervisory positions in municipal governments and the different needs associated with those positions.

There are two general types of supervisors.

The first consists of top-level supervisors, department heads and those immediately below department heads. This group usually has some familiarity with proper supervisory techniques and needs a more specialized type of program to build upon fundamental concepts familiar to them.

The second group consists of the first line-foreman type of supervisors who usually have little training in supervisory techniques or procedures.

This group is confronted with a different type of supervisory setting as compared with the first group; the first group is concerned with the formulation of policy while the second group is concerned with implementation of that policy. Thus, it is essential that the individual needs of each group be addressed in separate presentations.



supervisor training/add tw. .

The MSIDT program was originally funded by the Inter-governmental Personnel Act of the Office of Personnel Management of the Federal government. Funds for the program are administered by the Texas Department of Community Affairs.

The Center for Public Service, which administers the MSIDT project, is operated jointly by the Department of Political Science and the Management Area of the College of Business Administration at Texas Tech University.

Dr. N. Joseph Cayer is director of the Center for Public Service and the MSIDT project as well.

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2-8-6-79

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LUBBOCK--Robert L. Pfluger, San Angelo rancher, and J. Fred Bucy, Texas Instruments Inc. president from Dallas, were elected chairman and vice chairman respectively of the Texas Tech University and Health Sciences Center Boards of Regents Friday (Aug. 3).

This marks Pfluger's second term as chairman.

The Tech presidency was passed from Dr. Cecil Mackey to Interim President Lawrence L. Graves. Mackey assumes the presidency of Michigan State University this week.

In other action at the Regents' regular meeting a \$106.6 million budget was approved for 1979-80. The University budget totals \$75,498,651, the Museum \$331,235 and the Health Sciences Center \$30,938,251.

The boards also approved Tisdell and Adling of Lubbock as architects for an addition to the Music Building and authorized the receiving of bids for the construction of athletic dressing rooms at the Lubbock Coliseum and for the final phase of construction in the Goddard Range and Wildlife Management Building.

Appointment of architects for planning and construction of Phase III at the El Paso Regional Academic Health Center and for Phase II at the Amarillo Regional Academic Health Center also received the go-ahead.

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Cash investment despository contracts were approved with First National Bank of Lubbock, First National Bank of Midland, State National Bank of El Paso, First City National Bank of Houston and First National Bank of Dallas.

The Regents also agreed to an affiliation agreement amendment with Hotel Dieu Hospital and Medical Center of El Paso. The addendum provides residency training for physicians in nephrology (study of kidney diseases).