

Date	Stories and Cutiines	Locals	Reg. Dail	Reg. Week	50 M's	Hometowns	Selected	Explanation
* 1-5-9-77	Charles D. Campbell	✓				✓		
2-5-9-77	Susan Elias : outline	✓	✓	✓				
3-5-9-77	PSA RHC workshop	✓	T.V.					
4-5-9-77	PSA " "	✓	Radio					
5-5-9-77	Guadalupe research	✓	✓	✓	✓		✓	ag list
6-5-10-77	ROTC Outline						✓	Las Vegas
7-5-10-77	David Beseda	✓						
8-5-10-77	Suzuki string program	✓						
9-5-10-77	PSA Orchestra Camp	✓	T.V.					
10-5-10-77	PSA " "	✓	Radio					
* 11-5-10-77	SA senators hometowners				✓	✓		
12-5-10-77	Swings : loan school	✓	✓					
13-5-10-77	Traffic Safety : Outline	✓	✓	some				
14-5-11-77	Commencement	✓	✓					
15-5-11-77	<del>HSAP</del> HSAP : outlines	✓					✓	various dailies & weeklies
16-5-11-77	Texas Archeological Soc.	✓	✓		✓		✓	
17-5-11-77	Louis Hunt	✓						
18-5-12-77	Wildlife Lab	✓	✓	✓			✓	ag list

[illegible]

# 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: Jean Terrell

LUBBOCK--Texas Tech University's 1000th doctoral degree will be awarded to Susan F. Elias of Lubbock, a 28-year-old Ed.D. candidate whose dissertation compared open concept and traditional classroom education.

Elias was named for the distinction on the basis of her dissertation's being the 1000th in the school's history to be approved, according to Dr. J. Knox Jones, dean of the Graduate School.

Elias said she made no special effort to submit the dissertation at any particular time.

"It was just a happy statistical accident," said Dr. Robert H. Anderson, dean of the College of Education, "but we are very lucky that the person to receive the recognition is such an outstanding student. Her dissertation covers an unusually important subject and will be used extensively by educators."

In addition to her dissertation, Elias has authored four articles published in scholarly journals and received notification of acceptance of a fifth work by "Education" magazine on the same day she was informed that she was to be the honored 1000th doctoral recipient.

Elias hopes to obtain a faculty position at a university or to open a pre-school to serve as a center for both early childhood education and teacher-training.

While working towards a doctoral degree at Texas Tech, she received a \$7,000 Jones fellowship, served as a graduate research

-more-

assistant in the College of Education and worked as a graduate intern at Nat Williams Elementary School.

As preparation for her dissertation Elias researched personal characteristics of children in both "open-concept" and "traditional" schools to determine whether these characteristics affect how they do in each kind of school.

She found students' achievement highest in "moderately open" schools, students' creativity highest in "very open" schools, and performance in either school environment unaffected by students' personal characteristics.

Elias, her husband Jeffrey W. Elias, assistant professor of psychology at Texas Tech, and their five-year-old son Mike, live at 3623 60th Street in Lubbock.

A 1966 graduate of Fostoria High School, ~~she~~ <sup>Ohio</sup> she holds the bachelor's degree from Allegheny College in Meadville, Pa., and a master's degree in child development from West Virginia University in Morgantown.

She is the daughter of Mr. and Mrs. Lester Fruth of Fostoria.

Elias will be recognized during the university's commencement program which will begin at 7:30 p.m., Friday, May 13, in Jones Stadium. In the event of inclement weather, the program will be moved inside the Lubbock Municipal Coliseum.

Diplomas will be presented at individual college ceremonies the following Saturday morning.

Texas Tech's 10,000th graduate degree will also be awarded at the commencement. However, since many master's degree recipients do not prepare theses, it is impossible at present to determine exactly which graduate will receive the 10,000th advanced degree.



cutline-----

TEXAS TECH 1000th DOCTORATE--Susan Elias signs a copy of her dissertation for Dr. Robert H. Anderson, dean of the College of Education. The dissertation marks an important milestone in Texas Tech's history. When Elias receives her Ed.D. degree at the commencement program Friday, May 13, it will be the 1000th doctoral degree awarded by the university. (Texas Tech Photo)

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2-5-9-77

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CONTACT: Worth Wren

ATTN: Public Service Directors

(\*This is a What's What slide spot. Thanks a bunch.)

10 seconds

## VIDEO

## AUDIO

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SLIDE #1....

WHAT'S WHAT AT TEXAS TECH? WORKSHOPS ON DYEING,  
SPINNING AND WEAVING WOOL, THE RANCHING HERITAGE  
CENTER, LIMITED ENROLLMENT, DEADLINE JUNE FIRST,  
CALL 742-2424.

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3-5-9-77

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CONTACT: Jean Terrell

ATTN: Recreation and wildlife editors

LUBBOCK--Home, home on the range--where mule deer and Rocky Mountain elk play.

The line may not fit the tune as well as the original, but it will be more appropriate for two Texas Tech University graduate students during the next 15 months.

The intrepid pair, under direction of Texas Tech range and wildlife management professor C. David Simpson, will be spending that time studying the ecology of Rocky Mountain elk, mule deer and other large animals in the Guadalupe Mountains National Park. "Home" will be temporary camps and the packs on their backs.

John Moody, a wildlife graduate student from Houston, will attempt to find out everything possible about the park's Rocky Mountain elk.

These elk from Colorado were introduced into the Guadalupe area early this century in an attempt to replace the extinct Merriam elk that had been indigenous to the region, according to Simpson. The Rocky Mountain elk are not desert-conditioned but survived because of man-made water supplies.

When the national park was created in 1966, the man-made water supply was eliminated in keeping with the National Park Service's policy of leaving wilderness areas in their natural state.

-more-

The Texas Tech research project will endeavor to determine how well the elk are doing now with only natural water supplies available. "We want to know whether they are surviving, even if just barely, or whether they are in danger of dying out completely," said Simpson.

Moody will track the elk herds throughout the 15 months to record numbers and movements. He will attempt to attach radio collars to some elk as tracking aids, but he cannot rely on that technique completely. "The method has some drawbacks," said Simpson. "Since radio transmission is 'line of sight' and the terrain of the Guadalupe area is very, very rugged, there may be difficulty caused by radio waves bouncing off obstacles and giving misleading information about locations of collared elk."

Bill Perry, wildlife graduate student from Itasca, Ill., will be surveying the park's large game animals and observing competition between them. Mule deer, bear and feral goats, in addition to elk, are also known to live there.

However, there is little knowledge about how many of each species are in the park and how much competition exists between species. "We're going to try to find out what is really happening," Simpson commented "For instance, we will try to establish how many mountain lions there are, how they are distributed in the park, and what animals they kill."

Moody is son of Mr. and Mrs. E. C. Moody of 8530 Roos in Houston.

Perry is son of Mr. and Mrs. Donald Perry of Itasca, Ill.

Both students, their pack horses loaded with supplies, will enter the wilderness area on June 1 to begin their research.

guadalupe research / add one

The Guadalupe Mountains National Park is located on the Texas-New Mexico border some 55 miles southwest of Carlsbad, N.M. It encompasses approximately 77,500 acres.

The studies are funded by grants from the National Park Service. The investigation of elk received \$14,500, with an additional \$4,600 allocated for study of large animal ecology.

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5-5-9-77

cutline-----

GET THE POINT?--Texas Tech Range and Wildlife professor, C. David Simpson, discusses the fine points of a Rocky Mountain elk skull with wildlife graduate students John Moody and Bill Perry. Moody and Perry are preparing to spend 15 months in Guadalupe Mountains National Park studying large animal ecology.

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5-5-9-77

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CONTACT: Nita Gilger

LUBBOCK--David L. Beseda, Texas Tech senior economics major from Austin, has received \$500 from the Tech Ex-Students Association to support an internship with the National Student Lobby (NSL) this summer.

Beseda will work in Washington, D. C., as a lobbyist for higher education.

The organization represents universities' student associations by trying to promote desired legislative changes.

Beseda said lobbying for student loan changes, tenement rights and insurance bills are NSL considerations. Student involvement in general is a major concern of the organization.

As an officer of the Student Association (SA), Beseda is the third Texas Tech student to receive internship funds from the Ex-Students Association. He was SA external vice president last year.

He is the son of Mr. and Mrs. Joseph M. Beseda of 3913 Rockledge, Austin.

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7-5-10-77



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CONTACT: Jean Terrell

LUBBOCK--"Music is the universal language of mankind," said Longfellow, and beginning this fall area children can learn to play instruments just as they learn language, as the Texas Tech University Department of Music initiates a Suzuki String Program.

The method was developed in Japan by Dr. Shinichi Suzuki, who named his plan the "mother tongue" method because he teaches children to play by imitating the sounds they hear. Listening to and imitating recorded pieces, children master many technical aspects first and learn note reading later, just as they learn to speak before they learn to read.

Barbara Barber, assistant concert master of the Lubbock Symphony, will direct the Texas Tech program designed to teach children aged three through eight to play violin. Barber, who has studied the method in depth, will meet Suzuki this summer when she attends the International Suzuki Conference in Honolulu.

The Suzuki method depends heavily upon parent participation, though parents need no previous musical training. One or both parents attend every lesson and class session with the child and continue the role of teacher at home by following the teacher's instructions, by playing the recording regularly, and by patiently encouraging the child each day. This calls for equal dedication on the part of both parent and child.

-more-

suzuki string program / add one

A slow, careful beginning is essential, with each step being thoroughly mastered before moving on to the next. Suzuki students play entirely from memory, even after they have learned to read music, and are able to perform easily since they have been performing in classes and recitals from the very beginning. Just as a child never forgets the first words he learned, Suzuki-trained students are able to perform any piece they have learned at any time.

According to Dr. Harold T. Luce, chairperson of the Department of Music, Texas Tech is interested in the program both to provide employment for Texas Tech graduate students and to encourage young string players who may contribute to the Texas Tech string program when they reach college age. The program is privately funded.

All lessons and classes will be taught in the Texas Tech music buildings. Semester fees include 15 weekly private lessons and seven class sessions on alternate Saturday mornings.

Lessons will vary in length according to each child's age and stage of progress and will be determined in consultation with the director of the program.

Semester fees are: 20 minutes per week for \$65, 30 minutes per week for \$90, 45 minutes per week for \$165 and 60 minutes per week for \$256. Fees may be paid at the beginning of each semester or in three monthly payments. A \$15 deposit is required at the time of enrollment.

A limited number of instruments may be rented from the Texas Tech Department of Music for \$15 a semester.

If instructors are available, children may be enrolled at any time during the semester with an appropriate reduction in fees.

suzuki string program / add two

Summer class sessions will be May 21, June 4 and 18 and July 9 at 11 a.m. in the Student Activities Center of the First Christian Church in Lubbock.

Barber will be registering children at the class sessions and measuring them for instruments.

Those desiring further information about the Suzuki String Program may contact Barber at 742-2270 or write to the Texas Tech Department of Music.

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8-5-10-77

cutline-----

SUZUKI STRING STUDENTS--Barbara Barber instructs her diminutive violin students with the Suzuki "mother's tongue" method. Using special small instruments, children learn to play by imitating their teacher, their parents and recordings in a Suzuki string program to be initiated at Texas Tech University this fall.

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8-5-10-77

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CONTACT: Worth Wren

ATTN: Public Service Directors

(\*This is a What's What slide spot. Thank you.)

10 seconds

VIDEO

AUDIO

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SLIDE #1....

WHAT'S WHAT AT TEXAS TECH? ORCHESTRA CAMP, JUNE  
SIXTH THROUGH SEVENTEENTH, ELEMENTARY, INTERMEDIATE  
AND ADVANCED LEVELS, CALL 742-2270.

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CONTACT: Nita Gilger

LUBBOCK--Approximately 215 employees of savings and loan associations and banks will attend the fourth annual intermediate schools held by the Center for Professional Development in the Texas Tech University College of Business.

Intermediate school for savings and loan associations will be held May 15-20. The program will be a broad-based approach on interrelationships of the key areas of savings and loan operations. Current problems and trends in developments in savings and loan operations will be included.

The banking school will be held May 22-27. Participants will be given material to create a broader insight into the banking profession and to develop perspective about how their industry functions in the national economy.

Interested persons may register for the schools until three days before each session.

More information may be obtained by calling Teresa Zoller, assistant director for the Center for Professional Development College of Business Administration, (806) 742-3170.

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12-5-10-77

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CONTACT: B. Zeeck

LUBBOCK--Reduction of serious and fatal traffic accidents is the goal for 18 West Texas counties embarking on a new effort with the help of the Texas State Department of Highways and Public Transportation and the Texas Tech University Division of Continuing Education.

The effort is an extension of the Texas department's Office of Traffic Safety program, initiated in 1969 when district managers were appointed to assist local governments in finding grass roots solutions to traffic problems.

In the northwest Texas district, covering the Panhandle and surrounding area, Earl Bartley was appointed district manager to assist traffic experts in 54 counties.

The new effort establishes within the Texas Tech Division of Continuing Education an office which will draw upon the expertise of the university to help identify problems, establish priorities, find alternative solutions and develop traffic safety programs tailored to individual community needs. Objectives include development of educational and public information programs.

Dr. Michael Mezack, associate dean of the Division of Continuing Education, is project director for the contract with the state Office of Traffic Safety. Coordinator is John B. Howard, formerly traffic

-more-



traffic safety / add one

safety coordinator, civil defense director and employe safety director for the city of Abilene.

Howard said the new effort is an outgrowth of the federal Highway Safety Act of 1967.

Mezack said initiation of the nationwide program began to combat a dramatic increase in serious and fatal accidents on U.S. highways.

"The program already has apparently had some impact on reducing the number of serious accidents," he said, "although the problems are not solved." He cited Lubbock's unusual 1977 record. Nineteen fatalities have occurred within the city since January 1, he said, compared with only six during the same period in 1976.

The coordinator will be working with Bartley, but by undertaking assignments with the southern counties of the district there can be an intensification of the effort.

Howard's technical assistance will be available to city and county officials in the counties of Bailey, Cochran, Cottle, Crosby, Dickens, Floyd, Garza, Hale, Hockley, Kent, King, Lamb, Lubbock, Lynn, Motley, Stonewall, Terry and Yoakum.

An office for the coordinator is located on the Texas Tech campus. As needs become apparent, Howard will organize, with the Division of Continuing Education, workshops, short courses and other learning and training sessions to assist traffic officials in developing and implementing comprehensive traffic safety plans.

Howard emphasized that success of the program is dependent upon grass roots initiative.

-more-

traffic safety / add two

"Local officials know their problems best," he said. "And they can best recognize solutions which will work. The Lubbock office can offer technical assistance and coordination of efforts."

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13-5-10-77

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cutlines.....30

TRAFFIC SAFETY -- John B. Howard, left, discusses a new state effort to combat serious and fatal traffic accidents in an 18-county area with Dr. Michael Mezack, center, and Earl Bartley.

Mezack, associate dean of the Texas Tech University Division of Continuing Education, is project director for the contract with the state Office of Traffic Safety. Coordinator is Howard. Bartley Bartley is traffic safety manager for a 54-county district of the Texas State Department of Highways and Public Transportation Office of Public Safety. Howard will provide technical assistance and coordination for traffic specialists in the 18 counties.

(TECH PHOTO)

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CONTACT: Dan Tarpley

LUBBOCK--In later years some 2,000 Texas Tech University students may look back on this weekend as "commencement," but presently they consider it more like a "happy ending" of four or more years of campus life--both work and play.

The major commencement program is scheduled for 7:30 p.m., Friday, in Jones Stadium---weather permitting---with pomp and ceremony, an inspirational address, official spokesmen representing the university's Board of Regents, the administration, and the Ex-Students Association.

~~For the first time in Texas Tech's half-century of graduating scholars a woman will deliver the commencement address.~~ The principal speaker will be Dr. Virginia Y. Trotter, former assistant secretary for Education in the U. S. Department of Health, Education and Welfare.

She was the first woman appointed to the highest education post in the nation. All her professional career has been in education, as a scholar, teacher and administrator. She was appointed to the HEW post in 1974 while serving as vice chancellor for Academic Affairs at the University of Nebraska.

In her role as assistant secretary, Dr. Trotter "gave leadership to many Federal programs which encourage and support efforts nationwide to research, develop and implement programs of innovation in education," said Dr. James E. Archer, chairman of the Commencement Committee and University Marshal.

Trotter has a strong interest in higher education and, particularly, in assuring that disadvantaged students, as well as those from middle-income families, have opportunity to pursue a high-quality postsecondary education program, he said.

The former secretary served as official delegate to the UNESCO conference in Paris and the CULCON (Cultural Conference) in Tokyo. She also participated actively with the National Council on Education Research, the presidentially appointed policy council for the National Institute of Education, on setting goals and objectives for the institute.

Dr. Trotter holds bachelor's and master's degrees in home economics from Kansas State University and the Ph.D. in family economics and higher education from Ohio State University.

The commencement program opens with music by the Texas Tech Band under the direction of Dean Killion, director of bands. Dr. Judson F. Williams of El Paso, chairman of the Board of Regents, will welcome students, faculty and guests and preside over special recognitions.

Texas Tech President Cecil Mackey will introduce Dr. Trotter. He also will confer degrees, assisted by Dr. Charles S. Hardwick, vice president for Academic Affairs, and Dr. J. Knox Jones Jr., vice president for Research and Graduate Studies; and Deans Richard B. Amandes, Law; Robert H. Anderson, Education; Anson R. Bertrand, Agricultural Sciences; John R. Bradford, Engineering; Lawrence L. Graves, Arts and Sciences; Donald S. Longworth, Home Economics; and Carl H. Stem, Business Administration.

W. K. (Bill) Barnett of Levelland, president of the Ex-Students Association, will congratulate graduates.

All faculty are invited to participate in the ceremonies. Those in full academic regalia are asked to join the faculty group at northeast corner (Gate 3) of Jones Stadium, under the stands, at approximately 7 p.m. In the event of inclement weather, the ceremony will be moved into the Municipal Coliseum and the processional will form inside that building along the west ambulatory.

Graduating students have been asked to congregate for the all-university ceremony under the stands on the east side of Jones Stadium at 6:45 p.m.

The schedule for the college ceremonies Saturday morning is: Agricultural Sciences at 8:30 a.m., University Center Theater; Arts and Sciences, 8:30 a.m., Jones Stadium; Business Administration, 11 a.m., Municipal Auditorium; Education, 8 a.m., Municipal Auditorium; Engineering, 9:30 a.m., Municipal Auditorium; and Home Economics, 10:30 a.m., University Center Theater.

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CONTACT: Dan Tarpley

LUBBOCK--Homemaker service aides who will provide in-home help for elderly persons in 15 West Texas counties have become more professionally trained to serve the aging through a Texas Tech University-directed program.

The aides have participated in a 15-session training program conducted by the College of Home Economics and financed by a grant from the Administration on Aging (AOA) of the U. S. Department of Health, Education and Welfare.

Many of those who enrolled in the training course completed it satisfactorily, others began late and will require further training, according to Gail House, director of the Homemaker Service Aide Program (HSAP) and member of the Texas Tech Home Management faculty.

Approximately 50 homemaker service aides were enrolled. Fifteen family care providers employed by the Texas Department of Public Welfare also participated in the training. The Department made special arrangements with Texas Tech's College of Home Economics for its employees' participation.

The course covered first aid, personal care, psychology and physiology of aging, care of the terminally ill, food and nutrition, home management, clothing needs, consumer education, rehabilitation and sources of assistance for the elderly.

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HSAP provides quality, in-home care services of meal preparation, personal care, home management, escort service, visitation and companionship for the elderly, House said.

The aides work with elderly in Bailey, Cochran, Crosby, Dickens, Floyd, Garza, Hale, Hockley, King, Lamb, Lubbock, Lynn, Motley, Terry and Yoakum counties.

The program is designed to provide services to elderly persons in the community where they and the aides both live.

These services enable persons over 60 years of age to function in their own homes with limited assistance. The program also provides employment and paraprofessional training opportunities for mature, underemployed homemakers.

Those with a number of years' experience in managing a household are given preference in employment.

Persons over 60 are eligible to receive homemaker services, based on their ability to pay.

cutline-----

HOMAKER SERVICE AIDES--Floyd County homemaker service aides are shown at the final training session for the aides with Janet Miles, left, assistant to the director of the Homemaker Service Aide Program at Texas Tech. With her, from left, are Belen Torres and May Jones. Mrs. Jones is a program homemaker. (Tech Photo)

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PLAINVIEW HOMEMAKER SERVICE AIDES--Five Plainview women participating in the Homemaker Service Aide Program at Texas Tech are shown at the final training session for aides in Lubbock. They are, from left, Willie Mae Shannon, Mable Miller, Helen Steinfeld, Beverly Blackmon and Ann Ferguson. (Tech Photo)

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15-5-11-77

cutline-----

MULESHOE HOMEMAKER SERVICE AIDES--Five Muleshoe women participating in the Homemaker Service Aide Program at Texas Tech are shown at the final training session for aides in Lubbock. Shown, from left, are Lucille Nash, Muleshoe Homemaker Service Aide Program coordinator, and aides Winnie Wurst, Myrtle Anders, Vivian Veach and Jewel Green. (Tech Photo)

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cutline-----

HOMEMAKER SERVICE AIDE--Homemaker Helen Wade, center, of Abernathy, is shown at the final in-service training session at Texas Tech University, with Ann McLennan, left, director of training for the Homemaker Service Aide Program, and Janet Miles, director of publicity for the program. (Tech Photo)

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cutline-----

HOMAKER SERVICE AIDES AND COORDINATORS--Ann McLennan, left, assistant to the director of the Homemaker Service Aide Program at Texas Tech University, is shown with Tahoka and Wilson aides and coordinators at the final in-service training session. They are, from left, Ernestine Benitz, Jerlean Martin, Myrtle Loveland, coordinator for Tahoka, and Grace Bohall, Wilson coordinator.

(Tech Photo)

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SPUR AND DICKENS HOME MAKER SERVICE AIDES--Ann McLennan, assistant to the director of the Homemaker Service Aide Program at Texas Tech University, congratulates Spur and Dickens homemaker service aides at the final training session in Lubbock. They are, from left, LaJuanda Ressel of Dickens and Tony Williamson of Spur. At right is Faye Murphy, Spur Homemaker Service Aide Program coordinator. (Tech Photo)

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15-5-11-77



cutline-----

FAMILY CARE PROVIDERS--Several Ralls area family care providers with the Texas Department of Public Welfare participated in a training program for homemaker service aides at Texas Tech University. They are shown with Bruce Hardwick, left, Lubbock director of Adult Services with the DPW. The family care providers, from left, are Lillie Ragland, Jewel Little, and Fay Cornwell. (Tech Photo)

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15-5-11-77

cutline-----

LUBBOCK HOMEMAKER SERVICE AIDES--Ann McLennan, director of training for the Homemaker Services Aides Program at Texas Tech, presents certificates to Homemaker Service Aides at the final training session in Lubbock. They are, from left, Charlene Kendall, Dixie Bean, Agness Lyons, and Debbie Barnes. (Tech Photo)

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FAMILY CARE PROVIDERS--Bruce Hardwick, left, director of Adult Services for the Texas Department of Public Welfare in Lubbock, congratulates the department's family care providers who participated in a training program in the Homemaker Service Aide Program at Texas Tech University. They are, from left, Joanne Durham, Geneva Spence, Wilhelmina Dollar and Annie McCracken.

(Tech Photo)

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HOMEMAKER SERVICE AIDES--Janet Miles, left, assistant to the director of the Homemaker Service Aide Program at Texas Tech, is shown with Idalou and Crosbyton aides who participated in the in-service training program at the university. They are, from left, Ann Young of Idalou and Vickie and Debbie Dewbre of Crosbyton. (Tech Photo)

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15-5-11-77

cutline-----

HOMEMAKER SERVICE AIDES--Homemaker Service Aides from Brownfield, Levelland and Denver City are shown with Gail House of Texas Tech University's College of Home Economics, left, at the final training session for the aides. The aides, from left, are Lorene Gracey of Brownfield, Florence Waters and Naomi Braswell of Levelland and Florene Rohman of Denver City. (Tech Photo)

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15-5-11-77

cutline-----

HOMEMAKER SERVICE AIDES--Matador and Roaring Springs Homemaker Service aides are shown at the final training session in Lubbock with Janet Miles, left, assistant to the director of the Homemaker Service Aide Program. With Miles, from left, are Zona Ruth Cammack of Matador and Joyce Meredith and Ora Stonecipher of Roaring Springs. Mrs. Stonecipher is coordinator for the program in Roaring Springs. (Tech Photo)

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15-5-11-77

cutline-----

END TRAINING SESSIONS--Four Lubbock homemaker service aides and a Texas Department of Public Welfare family care provider are shown at the final training session for the homemaker service aides conducted by Texas Tech University. The aides are Mary Crouch, left, Pat Boyd, center, Barbara Satterwhite, second from right and Ila Mae Conner, right. The DPW family care provider is Ruth Hastings, second from left. (Tech Photo)

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15-5-11-77

cutline-----

LUBBOCK WELFARE EMPLOYEES--Several family care providers with the Texas Department of Public Welfare in Lubbock participated in a training program for homemaker service aides at Texas Tech University. They are shown with Bruce Hardwick, left, director of the Lubbock DPW office's Adult Services. The family care providers, from left, are Ozell Cole, Vera Bartee and Nadine Miller. (Tech Photo)

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15-5-11-77



cutline-----

HOMEMAKER SERVICE AIDES--Janet Miles, left, director of publicity for the Homemaker Service Aides Program at Texas Tech University, congratulates program participants at the final training session in Lubbock. They are, from left, Margaret Acock, Kathleen Earhart, Catherine Royalty and Annie White.

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15-5-11-77

cutline-----

POST HOMEMAKER SERVICE AIDES--Gail House, left, director of the Homemaker Service Aide Program (HSAP) at Texas Tech University, is shown with four Post workers in the program. They are, from left, Mable Dunlap, HSAP coordinator for Post, and Homemaker aides Gladys Wright, Winnie Harrell and Donna Nowell. The photo was taken at the final training session for aides. (Tech Photo)

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cutline-----

CONGRATULATIONS FOR POST WOMEN--Ann McLennan, left, assistant to the director of the Homemaker Service Aide Program at Texas Tech University, offers congratulations to four Post participants in the training program for aides at the final training session. They are, from left, Cora Bowman, Helen Hubble, Daisy Britton and "Bill" Crowley. (Tech Photo)

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15-5-11-77

# 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: B. Zeeck

LUBBOCK -- The Texas Archeological Society's annual field school will excavate Sabina Mountain No. 2 on Tigua Indian land near El Paso June 11-18, but there will be something new this year. Three pre-field workshops will be conducted to prepare workers and the site for exploration.

The workshops will take place May 14 and 21 and June 4 at the Tigua Center in Ysleta del Sur and at the field site.

Dr. William J. Mayer-Oakes, chairman of the the Department of Anthropology and director of the Cultural Resources Institute (CRI) at Texas Tech University, is director this year for the annual field school.

CRI staff archeologists will conduct the workshops. Although the field school is conducted only for members of the Texas Archeological Society, the workshops are open to all interested persons for a fee of \$15 for any one or all three sessions.

The site has been known to be of archeological interest for many years. Early excavations, however, have been covered awaiting professional work. There is a large and concentrated scatter of prehistoric ceramics and worked stone material on the surface. Corridors through this debris will be cleared for the field school by workshop participants.

"The excavation, "Dr. Mayer-Oakes said, "is expected to yield evidence for a multi-roomed adobe habitation like those documented elsewhere in the area for the El Paso phase of the Jornada branch of the Mogollon culture."

Field school excacations, survey and related research will be directed toward the developing "conservation archeology" concept and will be conducted with the teaching function of the school as the primary objective, he said.

Staff will teach controlled survey, excavation techniques, sophisticated lithic and ceramic analysis along with various experimental activities stemming from the

-more-

"living archeology" point of view. Supporting activities will include studies in ethnohistory, natural environment and Indian arts and crafts.

Workshops will feature concepts of archeological method and theory, stressing research design, cultural resource management, the conservation ethic and regional culture history.

Objectives and techniques of survey and excavation to be used in the field school will be presented in the workshops. Field work at the site during the workshops will include map and grid control placement, determination of site access corridors and controlled surface collection activities.

May 14 is the date of a special Tigua celebration at Ysleta, featuring an Indian market and dances. The workshop will begin at 9 a.m. and the Tigua celebration at 10 a.m. Participants will have an opportunity to tour the Tigua Center as well as study for the field school. A manual for the field school will be available and used as written basis for the workshop.

The May 21 workshop emphasis will be on various special research interests and problems to be stressed at the Sabina Mountain No. 2 site. The 9 a.m. sessions will take place at Tigua Center. Afternoon sessions in the field will include seismic testing to locate room blocks, map and grid control placement and practical controlled surface collecting.

The June 4 workshop will have a 9 a.m. session at Tigua Center. This will concentrate on special field project formulation. The afternoon fieldwork will include controlled surface collecting, determination of site access corridors and final excavation area planning.

CRI staff members at Texas Tech have been working with members of the Tigua Tribal Council on field school arrangements. The Tiguas are said to have come to Texas from New Mexico in 1682. Only they, the Alabamas and the Coushattas have Texas homes today.

"All work in the field will be meticulously recorded," Mayer-Oakes said, "and the field school excavations, survey and related research should add appreciably to the knowledge of El Paso area archeology."

Additional information is available from Mayer-Oakes at Texas Tech University, Department of Anthropology, Lubbock, Texas 79409. The phone number is area code

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CONTACT: B. Zeeck

LUBBOCK--Dr. Louis R. Hunt has been honored with the Faculty Recognition Award in mathematics at Texas Tech University.

He was named by student members of Kappa Mu Epsilon, mathematics honor society.

The students recognized Hunt for "outstanding contributions to mathematics" with the award which honors teaching as well as research excellence.

In addition to his role as teacher, Hunt is widely known for his research. He has published many scholarly articles and is a reviewer for "Mathematical Reviews" and the National Science Foundation as well as for a mathematics journal published in Germany.

He has served on seven departmental committees and has been named graduate adviser for the Department of Mathematics. He was sponsor during this academic year for the Texas Tech chapter of Kappa Mu Epsilon.

Hunt's primary research interests are in partial differential equations and several complex variables, both important in physical situations.

He earned his degrees at Baylor and Rice universities.

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17-5-11-77

# Texas Tech News

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CONTACT: B. Zeeck

ATTN: Farm and Ranch Editors, Sports Editors

LUBBOCK--Improved land management, environment and income for Plains ranchers and farmers could result from a new addition to the Texas Tech University campus.

It is the "Great Plains Wildlife Research Laboratory of the U.S. Forest Service Rocky Mountain Forest and Range Experiment Station."

The goal of this particular station is to perform the research necessary to increase wildlife on the southern Great Plains.

Benefits would accrue in fee hunting, wildlife photography, hiking, camping or other forms of revenue generating outdoor recreation.

Texas Tech President Cecil Mackey said the university welcomes the laboratory for its potential contributions to the Plains region.

"What pioneers called the 'Great American Desert'," he said, "was really 300 million acres abundant in large and small game and birds.

"Experience elsewhere has shown that wildlife habitat management can provide farmers and ranchers supplemental income from fee hunting, and the environment is enriched for all.

"The research done at Texas Tech will help determine a good balance for both economic and aesthetic benefits."

-more-

The laboratory, in its first year of operation, already is involved in six studies concentrating on small and large game and waterfowl populations.

One undertaken by agricultural economist Ronald Willis is investigating opportunities for revenue production from wildlife habitat improvements and management in conjunction with intensive agriculture. Information developed from this effort will be used as the basis for more intensive studies testing the economic value of using wildlife habitat improvement and management practices to generate additional landowner income.

Other studies are related to ring-necked pheasant, mule deer and pronghorn antelope. Dr. Kenneth L. Stromborg is studying ring-necked pheasant habitat on the Southern Plains. Dr. C. David Simpson, whose special interest is wildlife management, is identifying and analyzing shallow Plains lakes that might have the best potential for waterfowl hunting. Dr. Henry A. Wright, a range management specialist, is studying the effects of prescribed burning in establishing wildlife habitat on livestock range in the western Rio Grande Plains.

Stromborg, Simpson and Wright are on the faculty in the Department of Range and Wildlife Management at Texas Tech.

Dean Anson R. Bertrand of the College of Agricultural Sciences said that farmers and ranchers can benefit from adaptation of range and wildlife management techniques to add recreational income from their lands.

"The southern Great Plains, once a vast grassland abounding in wildlife," he said, "is today one of the most productive agricultural areas of the nation.



"Intense agricultural use, however, has sharply reduced the animal and bird habitats and caused a general reduction in the population of many species and virtual disappearance of others."

Deer and antelope and large numbers of waterfowl still are seen in the plains, but there could be even greater advantages in a balanced agriculture-ranching-recreation based economy.

"Development of wildlife resources and their complementary recreation values offer a challenging and potentially valuable opportunity for the High Plains of Texas and adjacent states," he said.

Supervising the new laboratory for Texas Tech University until Forest Service scientists are appointed is Dr. James D. Mertes, coordinator of graduate studies and natural resource programs for the college. Mertes said that eventually four full-time Forest Service scientists and two technicians are expected to work in the laboratory in cooperation with Texas Tech faculty. The Texas Forest Service also has indicated interest in the project.

The goal is to develop information, transmit that knowledge to farmers and ranchers and help them implement workable programs of wildlife habitat improvement and management.

Congressman George Mahon, who has had a continuing interest in the possible benefits for the region, first announced establishment of the station.

cutline-----

WILDLIFE RESEARCH LABORATORY OPENED--New on the Texas Tech University campus is a Great Plains Wildlife Research Laboratory of the U.S. Forest Service. Sign "inspectors" included, left to right, Horn Professor Emeritus Elo J. Urbanovsky, Texas Tech President Cecil Mackey, Dean Anson R. Bertrand of the College of Agricultural Sciences, and Dr. James D. Mertes who is an interim supervisor for the laboratory. The laboratory's purpose is to develop information, transmit the knowledge gained to farmers and ranchers and help them implement workable programs of wildlife habitat improvement and management. (Tech Photo)

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18-5-12-77

# Texas Tech News

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CONTACT: Dan Tarpley

LUBBOCK--A report on the Southwest Collection's historical field program will be presented at a Saturday (May 14) session of the Society of Southwest Archivists meeting this weekend in El Paso.

David J. Murrah, assistant director of the Southwest Collection, historical research center at Texas Tech University, will document the development and growth of the repository's field work in a paper entitled, "Collecting and Preserving Local History."

"In the mid-1960's, the Southwest Collection initiated a major change in its collecting policy," Murrah said. "At that time, an aggressive field program was implemented, using both full- and part-time personnel. The results of the change were phenomenal.

"The key concept was to place a representative outside the immediate Lubbock area, in the heart of the vast region of West Texas served by the Southwest Collection. A Brownwood businessman was employed, and he since has visited nearly every city and town in West Texas, made more than six thousand contacts and transported to Lubbock by the trailer and truck load hundreds of donations as well as material loaned for copying."

The Society of Southwest Archivists is composed of members from New Mexico, Texas, Oklahoma, Arkansas and Louisiana. The two-day session begins Friday.

# Texas Tech News

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CONTACT: Jean Terrell

FOR RELEASE AT 7:30 p.m., Friday, May 13

LUBBOCK--Twelve members of the class of 1927 returned to Texas Tech today (Friday, May 13) for their golden anniversary reunion.

The class, the first to graduate from Tech, sat together in front-row seats at commencement exercises for the class of 1977, and were recognized on the occasion of the 50th anniversary of their own graduation.

Members of the class of '27 who attended were: Mayme Alexander Speer of Lubbock, E. M. Barnett from Dallas, Willie Mae Hawthorne Rogers of Lubbock, Sylva Wilson Wesendonk of Lubbock, Alice Alverson Hill of Lubbock, Annie Wood Howell Saner of Lubbock, Dr. Dewey Roberts of Austin, Claude S. Denham of Lubbock, R. T. and Esther Groves of Lubbock, Pauline Roach Harris of Gruver, and Edith Carter Bowers of Abilene.

E. M. Barnett of Dallas, president of the class of '27, was master of ceremonies for a luncheon for the group in the University Center. Dr. Cecil Mackey was luncheon speaker. The program included remarks by class-member Claude Denham and a slide presentation called "The Good Ole Days."

Class members were guests of honor at an afternoon reception in the Ex-Students Building on campus.

CONTACT: Jean Terrell

LUBBOCK--A very special class in the history of Texas Tech returns to the university Friday for a very special reunion.

Twelve members of the class of 1927, Texas Tech's first graduating class, will gather for their golden anniversary reunion. Festivities will include a luncheon, an afternoon reception, and special recognition at commencement exercises for the class of 1977.

E. M. Barnett of Dallas, president of the class of '27, will be master of ceremonies for the luncheon, which begins at 12 noon in the Blue Room of the University Center. Wayne James, executive director of the Ex-Students Association, will introduce the luncheon speaker, Dr. Cecil Mackey, president of the university.

W. K. "Bill" Barnett of Levelland, president of the Ex-Students Association, will welcome class members and present special commemorative diplomas. Guests will be introduced by E. M. Barnett, and class-member Claude Denham of Lubbock will address remarks to the class. A slide presentation called "The Good Ole Days" will be included in the program.

Class members will be guests of honor at a reception from 2:30 to 4 p.m. in the Ex-Students Building on campus.

The class will sit together in front-row seats at the 1977 commencement exercises beginning at 7:30 p.m. in Jones Stadium and be recognized on the occasion of the 50th anniversary of their graduation.

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The State of Texas House of Representatives has sent a certificate of citation extending "most sincere congratulations...to the 1927 Graduating Class of Texas Technological College in honor of their Golden Anniversary." The certificate is signed by Tom Craddock, representative from Midland, Texas Tech graduate and Loyalty Fund ~~trustee~~ <sup>board member</sup> and Bill Clayton, Speaker of the House.

Members of the class of '27 who will be attending the reunion are: Mayme Alexander Speer of Lubbock, E. ~~Marshall~~ <sup>M.</sup> Barnett from Dallas, Willie Mae Hawthorne Rogers of Lubbock, Sylva Wilson Wesendonk of Lubbock, Alice Alverson Hill of Lubbock, Annie Wood ~~Saner~~ <sup>HOWELL</sup> of Lubbock, Dr. Dewey Roberts of Austin, Claude S. Denham of Lubbock, R. T. and Esther Groves of Lubbock, Pauline Roach Harris of Gruver, and Edith Carter Bowers of Abilene.

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CONTACT: Worth Wren

ATTN: Public Service Directors

(\*This is a What's What slide spot. Thank you.)

10 seconds

VIDEO

AUDIO

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SLIDE #1....

WHAT'S WHAT AT TEXAS TECH? A SUZUKI STRING PROGRAM  
FOR AREA CHILDREN, MUSIC DEPARTMENT CLASSES AND  
PRIVATE LESSONS IN VIOLIN THIS FALL. TO REGISTER,  
CALL 742-2270.

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21-5-13-77

# Texas Tech News

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CONTACT: Jean Terrell

LUBBOCK--Who has more children than the old lady who lived in a shoe but knows exactly what to do? A tour guide for The Museum, Ranching Heritage Center and Planetarium.

In 1976, community volunteers came to The Museum 186 times to give 251 tours for 5,989 children, Junior Leaguers came 302 times for 465 tours for 13,985 children, and Women's Council volunteers came 373 times for 410 tours for 11,164 children. These three groups took a total of 31,138 people through The Museum, Ranch and Planetarium. Staff and junior docents added 6,981 for a grand total of 38,119 children.

In addition to an obvious love of children, the ideal tour guide possesses a sense for the dramatic. She may be responsible for leading a wagonload of young charges on a trip to "settle the plains." Standard procedure on this imaginary trek includes sampling beef jerky and helping small "pioneers" decide which items must be loaded on their wagon to insure survival in the wilderness.

Or a tour guide may be called on to teach Indian dances to a group of youngsters. She may paint them, and herself, in warpaint---a demonstration that is particularly popular with young "Indians."

An adventurous guide may lead pre-school children through a black-light area for a touch-and-feel demonstration of interesting shapes and textures.

-more-



tour guides / add one

Though most groups requesting tours are made up of school children, adult study clubs and foreign groups also request aid from volunteers. The Museum has recently been able to provide a guide fluent in Spanish to lead groups from Mexico.

All volunteers receive structured training preparing them to entertain, inform and cope with their charges. New volunteers are urgently needed, according to Judith K. Hunter, assistant coordinator for public programs at The Museum. Anyone interested in becoming a volunteer should call 742-2447. Training sessions begin in August.

Generally, volunteers devote two hours one morning or afternoon each week to leading tours through the facilities.

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22-5-13-77

# 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: Dan Tarpley

For Release at 7:30 P.M., Friday, May 13

LUBBOCK--Texas Tech University conferred degrees upon more than 2,000 graduates in commencement exercises in the Municipal Coliseum tonight (May 13).

The weather-plagued ceremony was moved from Jones Stadium to the Coliseum. The degrees were conferred by Texas Tech President Cecil Mackey, assisted by academic affairs Vice President Charles S. Hardwick, Graduate School Vice President J. Knox Jones, Jr., and the deans of the six colleges and the School of Law.

Other university officials who participated were Dr. Judson F. Williams of El Paso, chairman of the Board of Regents, and W. K. Barnett, president of the Texas Tech Ex-Students Association.

Dr. Virginia Y. Trotter of Arlington, Va., the first woman to hold the highest education post in the nation, former assistant secretary for education, delivered the commencement address.

Trotter called the 1977 graduates the television generation, telling them that the communications medium "has changed the construction and workings of your brain. As of this moment you have spent more time in front of a television than you have in a classroom.

"When you consider that all television is educational television--that all television is teaching something--then you can begin to

-more-

understand just how revolutionary an impact television has had on you," she said.

"The world open to you is bigger and broader than that available to any previous generation. I ask that you recognize that it is different. You live in a global world--where you can no longer enjoy the complacency of your own backyard."

Dr. Trotter challenged the graduates not to "choose the safe havens. Use your unique individual potential productivity to create a future that is congenial not just to the intellect, but also to the world of the human spirit."

Candidates for degrees included 1,761 for bachelor's, 274 for master's and 63 for doctorates. By colleges, the candidates numbered: Agricultural Sciences, 155; Arts and Sciences, 584; Business Administration, 358; Engineering, 252; Home Economics, 151; and Education, 261.

College ceremonies, during which the degrees will be delivered to candidates, are scheduled for Saturday morning. Times, places and speakers are: Agricultural Sciences, 8:30 a.m., University Center Theater, Don Workman, Lubbock banker and member of the Board of Regents; Arts and Sciences, 8:30 a.m., Municipal Coliseum, Dr. Cecil Mackey, president of Texas Tech; Business Administration, 11 a.m., Municipal Auditorium, Dean Carl H. Stem; Education, 8 a.m., Municipal Auditorium, Dr. Morris Wallace, Horn professor emeritus of education; Engineering, 9:30 a.m., Municipal Auditorium, Dean John R. Bradford; and Home Economics, 10:30 a.m. University Center Theater, graduating senior Susan Conrad.

# TexasTech News

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(Note: This is a fact sheet for Better Speech and Hearing Month.)

CONTACT: Mark Haller or Worth Wren

The month of May is being observed as Better Speech and Hearing Month nationally and in Lubbock by proclamation from Mayor Roy Bass.

The ability to communicate is our most human characteristic. When a person cannot communicate, isolation from friends, family and society often occurs. More than 20 million Americans--10 per cent of all children and adults in the United States--have speech, language or hearing impairments which severely affect their ability to function as human beings.

\*\*\*Each year, 60,000 Americans suffer from aphasia, the loss of the ability to use speech and language, due to a stroke or head injury.

\*\*\*There are 30,000 Americans who have undergone surgery for laryngeal cancer, and 8,000 new cases of laryngeal cancer are discovered annually.

\*\*\*There are more than one million persons in the United States who stutter--one-half of whom are children. Throughout the world there are an estimated 15 million persons who stutter.

\*\*\*Articulation disorders constitute the most numerous of all speech disorders. About three out of five speech and language disorders are related to articulatory problems. (Articulation

disorders are difficulties with the way sounds are formed and put together.)

In the Lubbock area there are several sources for help and therapy. Texas Tech University operates a Speech and Hearing Clinic (Dr. David Draper, Director, Clinical Services); Texas Tech School of Medicine operates a clinic for diagnostic evaluation and therapy in the Department of Physical Medicine and Rehabilitation (Janie Yairi, Speech Pathologist, TTUSM).

For pre-school and school age children, the Lubbock Independent School District offers diagnostic, therapeutic and referral services.

There are also numerous private practitioners in the area.

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24-5-13-77

# 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: Mark Haller or Worth Wren.

ATTN: News Director

(May is National Speech and Hearing Month, and we believe that we have an interesting visual feature for you at Texas Tech. If you would like to develop the feature based on the idea below, please contact Mark Haller or Worth Wren at 742-2136 at least 24 hours in advance of your photographic work. Because this therapy session will be staged with actual patients, we will get release forms signed for you. Thanks for your consideration.)

LOCATION: SPEECH AND HEARING CLINIC, TEXAS TECH UNIVERSITY (INDOORS).

CONTACT: AT THE CLINIC, DR. DAVID DRAPER, DIRECTOR, CLINICAL SERVICES,  
742-3908.

SUBJECT: LARYNGECTOMY THERAPY. (Patient has had larynx removed).

SITUATION: LARYNGECTOMY THERAPY SESSION (SPEECH PATHOLOGIST AND ADULT PATIENT). POSSIBLE EMPHASIS ON TECHNIQUES SUCH AS ESOPHAGEAL SPEECH AND ARTIFICIAL LARYNX, EFFECTIVENESS AND THE NEED FOR REFERRAL.

BACKGROUND INFORMATION: THE SPEECH PATHOLOGIST CAN BE INTERVIEWED.  
THE PATIENT MIGHT BE INTERVIEWED ALSO.

(More information on National Speech and Hearing Month can be found on the enclosed fact sheet. Thank you.)

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24-5-13-77

Date	Stories and Outlines	Locals	Reg. Dail	Reg. Week	50 M's	Hometowns	Selected	Explanation
1-5-16-77	Brags	✓					✓	Critical
2-5-17-77	Board of Regents							
3-5-17-77	Flanstonium Shards	✓					✓	all media in adjacent counties
4-5-17-77	PSA Planestarium Shards	✓	T.V.					
5-5-18-77	Banking School							
6-5-18-77	Outline - Dukea							
7-5-18-77	Flailstones	✓	✓	✓			✓	Reg. Radio; T.V.; Radio Plus
8-5-18-77	PSA - Flailstones	✓	T.V.					
9-5-18-77	PSA - " "	✓	Radio & Plus					
10-5-18-77	PSA -	✓	Radio					
11-5-19-77	Telescope workshop	✓					✓	adj. counties
12-5-19-77	Bacon	✓					<del>adj. counties</del>	
13-5-19-77	Summer Program at Museum	✓					✓	adj. counties
14-5-20-77	Journalism Scholarship	✓					✓	Adj. counties. Juv. Board
15-5-20-77	How School Registration							
16-5-20-77	Bartsch's' outline	✓	✓		✓			
17-5-20-77	Celero	✓				✓	→	Celero
18-5-20-77	P-F							

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CONTACT: B. Zeeck

LUBBOCK--The Brazos River, 840 miles long, is Texas' longest river, but for the most part it is not navigable.

The Brazos Basin, covering approximately 41,700 square miles in Texas and 600 square miles in New Mexico, has a rich history but, partly because the river is plagued by salts, the basin still provides great open spaces along with some of the state's finest scenery.

Three Texas Tech University research groups, under the direction of Dr. James W. Kitchen, have made four detailed studies of the basin for the U.S. Army Corps of Engineers to assist that agency in future planning. The Texas Tech studies form the basis for environmental analysis, a necessary attachment to any proposals for river improvement made by the corps.

Much of the material in the reports, Dr. Kitchen said, was drawn from previous studies. But the information has been compiled as it relates only to the Brazos River Basin. Kitchen is professor of Park Administration and Landscape Architecture.

The studies include a 309-page "Historic Site Inventory and Bibliography" of the basin. This includes a brief account of the basin from prehistoric times to the present and a compilation of sites designated by the state, the National Register and local and regional agencies as historically significant. This was prepared by Tech historian Don Abbe and Lea Ruggieri, graduate assistant.

-more-

The volume contains the name of each site, its locations and usually a thumbnail sketch. Cited are such things as homes, churches, military posts and pioneer industrial and business buildings. Among the public buildings listed is the Shackelford County Courthouse, noted for its Victorian Italianate architecture. A comment adds that Scottish masons erected its walls of stone quarried near town.

Other listings are similar. Typical entries are such buildings as the Weatherford Water Works, Farmer's Hall at Cat Springs, Paul Quinn College in Waco, Lockhart Plantation near Chappell Hill and Old Donnell Mill in Young County.

The bulk of the volume is the site survey.

In the "Recreation Supply and Need" for the Brazos River Basin, Prof. Kitchen and Ernie Bubenik, a graduate student, point out that the Brazos has, within its basin, several physiographic regions. Originating within the Llano Estacado, it flows off the Caprock in a southeasterly direction, crossing the rolling prairies, the Cross Timbers, black lands, post oak belt, and eventually the coastal prairies and plains to the Gulf of Mexico. The basin's major cities are Lubbock, Abilene, Waco, Temple, Belton and Killeen.

Among highly prized natural areas within the basin, the report lists the Balcones Escarpment two miles west of Waco, Wendland Canyon in Bell County near the southwestern corner of the city of Temple, the Temple mini-prairie about a mile north of the city, a potential scenic river along a privately owned segment of the Navasota River, the fish-rich Hog Creek in McLennan, Bosque and Coryell counties, and the Central Texas virgin prairie four miles north of Temple in Bell County.

The study further describes, by tables, the present park and recreational facilities in the basin and estimates the needs up to the years 1980 and 2000.

The paleontology and archeology reports were prepared by staff archeologists John Montgomery and Alston Thoms of the Cultural Resource Institute of the Texas Tech Department of Anthropology. Institute director, Dr. William J. Mayer-Oakes, who is chairperson of the department, edited the report.

The reports are available through the Texas Tech Library and its Southwest Collection.

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1-5-16-77

# 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: Jane Brandenberger

FOR IMMEDIATE RELEASE

The Board of Regents of Texas Tech University School of Medicine will convene in the Regents' Suite of the Administration Building at 8:30 a.m., Friday (May 20), according to Chairman Judson F. Williams of El Paso.

The finance committee will present a proposal for action on sale of bonds for the university.

The Regents will then hold an executive session from 8:50 a.m.-9:40 a.m.

Other actions to be presented by the finance committee in the following open session will be consideration of residence hall rates for the coming year, selection of a depository bank in Lubbock, student optional term life insurance, student optional group personal property insurance, student health and accident insurance, "La Ventana" yearbook contract, student service and health service fees.

Under campus and building business the Board will discuss awarding of a contract for a sprinkler and landscaping system for the extension of Indiana Avenue, a contract for general renovation of three areas of the University Center, one for renovation of Junction facilities, acceptance of the Textile Research Laboratory Building, appropriate naming of the natural science research laboratory building, review of siting for the Agricultural Pavilion and traffic and parking regulations for 1977-'78.

The Regents will also consider construction of an access road to parking lots and Indiana Avenue and of a new commuter parking lot west of Indiana, approval to award a contract for construction of agricultural field laboratories in Lubbock County and authorization to complete and equip the food facility at the School of Medicine.

Several new and former Texas Tech University Foundation members will be appointed or reappointed.

Other considerations include designation of a Horn Professor and consideration of an amendment to the Faculty Council charter and approval of the Code of Student Affairs.

Adjournment is set for 11:45 a.m.

# 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: Duron Hobbs / B. Zeeck

LUBBOCK--Moody Planetarium will begin a new summer schedule June 1 offering daily shows, except Mondays, at 3 p.m. Previously planetarium shows at The Museum of Texas Tech University were offered only on Saturdays and Sundays.

"Mother Earth-Father Sky," presenting many of the American Indian legends of the heavens, is the show for June. Beginning July 1, the show will be the "Loneliness Factor," produced by the Hansen Planetarium in Salt Lake City and discussing the possibility of life elsewhere in the universe. The American Chemical Society funded development of "The Loneliness Factor" and it was obtained for showing at the Moody Planetarium through that organization.

Planetarium Director Ronald Johnston said that the popularity of the subjects of the shows and the belief that many vacationers would appreciate added opportunities to see a planetarium show are the reasons for the new schedule.

The box office at The Museum opens 30 minutes before each showing. Prices are 50 cents for students and \$1 for adults. Planetarium shows are not recommended for pre-school children.

The daily summer schedule will end Sept. 4, after the Labor Day holiday.

# Texas Tech News

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CONTACT: Nita Gilger

LUBBOCK--Banking employees interested in professional development in continuing education will be attending the Fourth Annual Intermediate School for Banking at Texas Tech University May 22-27.

The school is designed to offer a broad-based analysis of key areas of banking operations. Problems and trends of the banking industry also will be discussed in the program.

Approximately 102 persons have registered for the banking school. Registration will continue until May 20.

More information can be obtained by calling Teresa Zoller, assistant director to the Center for Professional Development in the College of Business Administration at (806) 742-3170.

-30-

5-5-18-77

NATIONAL AWARD--Robert W. Duke, right, who was graduated with honors from Texas Tech University May 14, receives a national certificate of honor for excellence from the American Society of Landscape Architects. Alfred B. LaGasse, who heads Tech's Department of Park Administration and Landscape Architecture, presents the certificate, which recognizes Duke's undergraduate academic and extra-curricular activities. The society's award is based on written records and an interview with Board of Trustees representatives. Duke, son of Mr. and Mrs. Robert Duke, 1011 W. Lee, Dimmitt, is now enrolled in a master's degree program at Texas A&M University. (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: Worth Wren

ATTN: News and Feature Editors

LUBBOCK--"Hail falling? Don't let it melt. We need your hailstones, golfball-size or larger only, individually wrapped and fresh frozen."

Texas Tech University industrial engineers are requesting unmelted, fresh hailstones to be used in a study of hail damage to solar mirrors.

If you have some hailstones the engineers can pick up, Dr. Milton L. Smith of the Industrial Engineering Department urges you to call or write him. Call collect at (806)-742-3404, or write Dr. Smith at the department, College of Engineering, Texas Tech University, 79409.

A part of the Texas Tech solar energy research project at Crosbyton, the hail damage study requires golfball-size or larger hailstones. As Smith said, "the larger the better."

Smith and associates Dr. Joseph E. Minor and Lynn Beason, both in the Civil Engineering Department, will fire the hailstones from an air gun at sample solar mirror glass.

"We can fire the hailstones at the approximate velocity with which they would fall in a hail storm," Smith said.

"For example, a two-and-a-half-inch hailstone would fall at the speed of about 150 miles per hour. Smaller hail of course would fall at slower speeds. We can duplicate these conditions."

-more-



The researchers will then assess the damage caused by the artificial hail storm. Later they will try to devise means to reduce hail damage to constantly exposed solar mirrors.

"Glass windows are ordinarily vertical, but solar collectors form a concave dish at times horizontal, or almost so, to the sky, and thus more exposed to hail storms."

Results of the research will be helpful to scientists studying the feasibility of locating a solar-powered electricity plant at Crosbyton or anywhere else. Also, individual solar-energy homes with roof collectors will benefit from the weather-oriented information, Smith said.

The engineer outlined how to collect the hailstones.

"The hailstones must be collected soon after they fall and before they begin to melt. It is desirable to wrap each stone separately, preferably in wax paper, and then place them all in plastic bags and immediately into a freezer.

"We cannot use a block of ice formed from hailstones."

The engineers are seeking hailstones within a 100-mile radius of Lubbock but will travel as far as Amarillo and its immediate vicinity for some of the natural ice.

"The hail season is nearing its end on the South Plains, with its one and a half to three and a half hail days per year averages. We would appreciate any help with this collection of hailstones we can get," Smith said.

# Texas Tech News

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CONTACT: Worth Wren

ATTN: Public Service Director

(Please use slide of the Seal of Texas Tech and the word information slide, "What's What at Texas Tech," with this PSA. Thanks.) (Kill this PSA by mid-June unless we contact you first.)

20 seconds

## VIDEO

## AUDIO

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SLIDE #1....  
(Use the "What's  
What" slide.)

WHAT WE NEED ARE HAILSTONES FOR AN INDUSTRIAL  
ENGINEERING STUDY OF HAIL DAMAGE TO SOLAR MIRRORS.

WE NEED YOUR HELP IN COLLECTING GOLFBALL-SIZE OR

SLIDE #2....  
(Seal of Texas  
Tech slide.)

LARGER HAILSTONES, UNMELTED, FRESH FROZEN. WE WILL  
PICK THEM UP WITHIN A HUNDRED MILE RADIUS OF LUBBOCK.

CALL COLLECT 742-3404. THAT'S 742-3404.

-30-

8-5-18-77

# 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: Worth Wren

ATTN: Public Service Directors

(Please use this PSA from now until mid-June. Thanks.)

30 seconds

TEXAS TECH UNIVERSITY INDUSTRIAL ENGINEERS ARE LOOKING FOR HAILSTONES, GOLFBALL-SIZE OR LARGER, TO USE IN A STUDY OF HAIL DAMAGE TO SOLAR MIRRORS. IF YOU HAVE A CHANCE TO COLLECT FRESH-FALLEN, UNMELTED HAILSTONES, THE ENGINEERS WILL PICK THEM UP AT YOUR HOME FREEZER WITHIN A HUNDRED MILE RADIUS OF LUBBOCK. THE ENGINEERS ASK THAT YOU COLLECT THE ICE QUICKLY, WRAP EACH PIECE IN WAX PAPER OR SIMILAR MATERIAL AND STORE THE HAIL IN YOUR FREEZER IMMEDIATELY. IF YOU CAN HELP, CALL COLLECT 742-3404.

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9-5-18-77

# 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: Worth Wren

ATTN: Public Service Directors

(Please use this PSA from now throughout the summer. Thank you.)

30 seconds

FOR YOUR LONG SUMMER DAYS WITH THE CHILDREN THERE'S A BARGAIN  
ENTERTAINMENT ANSWER DAILY, EXCEPT MONDAYS, BEGINNING JUNE FIRST. THE  
MOODY PLANETARIUM BEGINS DAILY SHOWS TO HELP YOU PLAN A SUMMER AFTERNOON  
UNDER THE STARS TO ENJOY THE PHENOMENA, THE SCIENCE AND THE LEGENDS OF THE  
UNIVERSE. YOUR CHILDREN WILL ENJOY THESE ENTERTAINING SCIENTIFIC JOURNEYS  
THROUGH SPACE. SHOWS BEGIN AT THREE P.M., DAILY, EXCEPT MONDAYS, BEGINNING  
JUNE FIRST, AT THE PLANETARIUM OF THE MUSEUM OF TEXAS TECH UNIVERSITY,  
FOURTH AND INDIANA.

-30-

10-5-18-77

# 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 / Duron Hobbs

LUBBOCK--Stargazers who want a better view of the skies can make their own telescopes through an eight-session summer workshop beginning June 4 at The Museum of Texas Tech University.

Sessions will be held from 1 to 4 p.m., Saturdays, through the eight sessions. Each participant will grind and test his own six-inch objective mirror for a reflector telescope system with instruction and demonstration on the process as well as on the assembling of the telescopes.

Director Ron Johnston of the Moody Planetarium of The Museum and Vice President Mike Jones of the South Plains Astronomy Club are instructors.

There is a \$10 fee for the course and each participant will order a lens grinding kit at the first session. The cost of this kit is approximately \$22. The end result will be a portable, floor mounted telescope. Instructors will assist participants with information on building the mount for the telescope.

The mounted workshop type telescopes have been constructed for about \$75 total investment, Johnston said, whereas the purchase price for such an assembled instrument runs more than \$300.

To register or for more information, those interested are asked to call 742-2424.

# 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: Jean Terrell

LUBBOCK--Dr. Thomas I. Bacon will become chairperson of the Department of Germanic and Slavic Languages at Texas Tech University on September 1, according to Dean Lawrence L. Graves of Arts and Sciences.

Bacon has expressed particular interest in using foreign language as a vehicle for expanding cultural and artistic appreciation. Founder and director of Texas Tech's Summer in Austria, he was also co-director of the university's recent German language production of Bertholt Brecht's "The Caucasian Chalk Circle."

Bacon, who joined the Texas Tech faculty in the fall of 1974, is a native of Lubbock. He attended Lubbock public schools and earned a bachelor's degree from Texas Tech. After studying at Johannes Gutenberg and Albert Ludwigs Universities in Germany and earning advanced degrees at the University of Texas at Austin, he served as director of German studies at Furman University in Greenville, S.C.

Bacon, his wife Mary and their son live at 3303 44th Street. Bacon is the son of Mrs. Lawrence Bacon of 2810 20th Street in Lubbock.

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12-5-19-77

# 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: Jean Terrell

LUBBOCK--New opportunities for young people from second grade through high school will be available in 1977 Summer Youth Classes at The Museum of Texas Tech University.

Special studies are offered in astronomy, plants, animals, rocks and minerals, creative and expressive arts, archeology, antiques and clothing design. All classes will run from June 13 through June 24.

Students may be registered by mail. Registration blanks may be obtained by calling The Museum at 742-2424.

Two classes in creative art, one for grades 2-3 and one for grades 4-7, are designed to help children develop self-awareness through the expressive arts. Tuition for these courses is \$10.

Drop spindle spinning, primitive loom weaving, off-loom techniques and vegetal dyes are offered people in grades 6-12 with tuition of \$5.

Students in grades 4-7 can enroll in an introductory astronomy course which will satisfy requirements for recognition by Boy Scouts, Girl Scouts and Camp Fire Girls. Tuition is \$5.

Children will create their own play from well-known stories to help them gain an understanding of theatre arts in the playmaking course for grades 2-3. Tuition is \$5.

"Just Imagine" is designed to lead children in grades 4-9 to the wonderful world of imagination through creative drama. Tuition is \$10.

-more-

summer program at museum / add one

People in grades 6-12 are eligible for an art course titled "Expressions!" Students will work on their own level painting and drawing, using color. Emphasis will be on design and composition, as well as techniques and control using chalk pastels, oil pastels, charcoal, ink, watercolors and transparent colored art papers. Tuition is \$10.

"Mother Nature Is a Plant" will introduce students in grades 6-12 to agriculture (the production of food), horticulture (the cultivation of gardens and ornamental plants), ethnobotany (the relationship of plants to their environment). Tuition is \$10.

A study of mammals, their behavior and how specimens are prepared will include a field trip for grades 6-10. Tuition is \$10.

Junior rockhounds will study rocks and minerals and prepare their own rock collections. Grades 4-7 are eligible and tuition is \$5.

An introduction to antiques of 19th century America, including tips on the care and restoration of furniture, is offered for grades 9 and up. Tuition is \$10.

Studies at the Lubbock Lake Site will give people grades 9-12 an introduction to the archaeology, geology and paleontology of the site and its relationship to the southern plains and North American pre-history. Classes will be held at the Lubbock Lake Site with demonstration and introduction into field and lab methods. Tuition will be \$15.

A course in unique originals will teach participants to design and create unique clothes through ethnic patterns and hand embellishments such as Turkish embroidery, English smocking, Seminole Indian patchwork, quilting, African applique and Indian ribbon work. Students in grades 5-10 may register. Tuition is \$10.



summer program at museum / add two

Summer Youth Classes are sponsored by the Women's Council of the West Texas Museum Association.

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13-5-19-77

# 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: Gail Molsbee

LUBBOCK--Teresa M. Bryce and Bryan O'Neal, Lubbock high school seniors, have received the "Lubbock Avalanche-Journal" Journalism Freshman Scholarships to attend Texas Tech University for the 1977-78 terms.

Bryce, Coronado High School senior, is managing editor of the "Coronado Crest" newspaper staff and secretary-treasurer of Quill and Scroll. She has competed in University Interscholastic League and has been awarded four writing awards from the Panhandle High School Press Association.

O'Neal, Lubbock High School senior, has received the "Lubbock Avalanche-Journal Most Valuable Staffer Award," the "Outstanding Achievement in Newspaper Award" and several writing awards.

Bryce is the daughter of Mr. and Mrs. Joe C. Bryce, 4418 61st, Lubbock, and O'Neal is the son of Mr. and Mrs. Jack O'Neal, 3213 33rd Street, Lubbock.

The scholarships are in the amount of \$150. The students plan major studies in the Department of Mass Communications at Texas Tech.

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14-5-20-77

# 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: Gail Molsbee

LUBBOCK--The Texas Tech University School of Law will have summer session registration, Monday (May 30th), from 9-11:45 a.m. in the Law School Forum.

Ann C. Burbridge, registrar in the School of Law, said "with the students who have pre-registered and those who will register, there will be approximately 120 students enrolled for the first summer session."

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15-5-20-77

# 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--A Texas Tech University chemist is on the track of an invisible "quick change artist." Dr. Richard A. Bartsch hopes to arrest activity long enough to study how, at one turn of a long pathway, the ingestion of certain foods may lead to the formation of a cancer cell.

Bartsch has a National Institutes of Health (NIH) grant to study what he calls "ionophoric stabilization of carcinogen intermediates."

For the non-chemist that means that he will be studying one of the steps in the transformation of certain chemicals into a cancer cell.

He explained that when an individual eats some kinds of food there can be chemicals which are transformed in the body. Nitrites combine with body acids to make nitrous acid.

This in turn can convert amines--a group of organic compounds of nitrogen--into nitrosamines, the real troublemakers that lead to cancer.

"Exactly how the nitrosamines make the changes which cause cancer cells to develop remains uncertain," Bartsch said. "Several steps seem to be involved. Some of the proposed steps happen so quickly--in less than a second--that they have not been observed in the laboratory."

-more-

Bartsch and students working with him are studying particles so small they cannot be seen with the strongest microscope. They are working with molecules and ions, the particular ion of interest in the research being a diazonium ion which is a positively charged molecule.

The importance of Bartsch's work is that he has discovered a new way to probe a step of the transformation sequence involving diazonium ions.

The diazonium ion derived from nitrosamines, when combined with crown ethers, will enter a central cavity of the crown ether molecule. Bartsch discovered that at this point the diazonium ion becomes much more stable.

"So we think we can slow down the sequence of conversions at this one place long enough to look at how the change happens," Bartsch said. "If we can learn how the changes take place, perhaps we can place a block in the pathway and prevent the formation of cancer cells."

Bartsch's initial work for this project has attracted widespread attention, and he has been invited to present papers at meetings throughout the nation. Among his 32 publications in primary chemistry journals are reports of initial stages of this work.

He is the 1977 chairman of the South Plains Section of the American Chemical Society and has been recognized both for his teaching and his research.

Working with Bartsch on the NIH project will be David Lorenz, a junior chemistry major and the son of Albert Lorenz, Route 1, Plainview, and Pedro N. Juri, graduate student of San Luis, Argentina.

cutline-----

MOLECULAR SLOWDOWN--Using models, Dr. Richard A. Bartsch, left, of the Texas Tech University chemistry department demonstrates how the diazonium ion enters a central cavity of a crown ether molecule, slowing down a chemical conversion and making it possible to study one of the steps in the transformation of certain chemicals into a cancer cell. Holding the crown ether molecule model is Pedro Juri, Texas Tech graduate student who is working on the project with Bartsch. (Tech Photo)

# Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK--Dr. Harry A. Jebesen Jr., of the Texas Tech University history faculty has been named recipient of the 1977 Academic Excellence Fund award to assist with his special study of the history of the Overton South region in Lubbock.

Although the award is small, \$100, a trustee of the fund, Law Prof. David C. Cummins, said that it is important in that it demonstrates the intent to build the fund for support of academic excellence.

The Academic Excellence Fund operates within the Texas Tech University Foundation. Faculty members are its trustees. Donors to it represent non-faculty as well as teachers at Texas Tech University.

Jebesen said he would use the sum to assist in preparing a history for presentation at a fall symposium on the concept of "Neighborhood Preservation in Urban America: The Case of Overton South."

The symposium, under the auspices of the university's Center for Public Service, will include participants from Texas Tech and other educational institutions, city government and other Lubbock citizens.

Purpose of the symposium is to present an open discussion of positive and negative aspects of neighborhood preservation in the United States.

A history of the Overton addition, on which Jebesen is working, will include oral history, slides and other visual materials, research into city records and newspapers. Jebesen will be assisted by Sally Still, a teaching assistant in the Department of History. The

-more-

jebsen / add one

academic excellence funds will be used for production of visual materials and oral records.

Still is the daughter of Dick F. Still, 92261 Raleigh, El Paso.

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17-5-20-77



cutline-----

HISTORIC PRESERVATION--Texas Tech Law Prof. David C. Cummins, right, presents a check to History Prof. Harry A. Jebson Jr. to pursue his research of the history of the Overton South region in Lubbock. Chosen as a location for the presentation was the Roger Loter home, 2323 18th, which is in the Overton South area--bounded by Avenues Q and University and Broadway and 19th St. Jebson is the recipient of the 1977 Academic Excellence Fund award. (Tech Photo)

-30-

17-5-20-77

# TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Director

(Please use this PSA for the next several months. We will contact you if it becomes out of date. Thank you.)

(Slides enclosed)

30 seconds

VIDEO	AUDIO
SLIDE #1 ....	CONSUMER CHOICES ABOUND FOR OLDER CITIZENS WHO OFTEN MUST RESTRICT THEIR BUYING TO ESSENTIAL ITEMS.
SLIDE #2 ....	SENIOR ADULT ADVISORS WITH PRACTICAL ADVICE ARE HELPING OLDER CITIZENS WITH TOUGH CONSUMER DECISIONS IN LUBBOCK AND LUBBOCK COUNTY.
SLIDE #3 ....	HELP IS AVAILABLE NOW THROUGH THE SENIOR CITIZENS CONSUMER ADVISORY PROGRAM OF TEXAS TECH UNIVERSITY.
SLIDE #4 ....	CALL 742-3048 FOR THE SENIOR ADVISOR NEAREST YOU. THE SERVICE IS FREE. CALL 742-3048 FOR OLDER CITIZENS HELPING OLDER CITIZENS.

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18-5-20-77

# Texas Tech News

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CONTACT: Worth Wren

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(Slides enclosed)

30 seconds

## VIDEO

## AUDIO

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SLIDE #1 ....	OLDER CITIZENS WITH PRACTICAL ADVICE ARE HELPING OLDER CITIZENS WITH CONSUMER PROBLEMS IN LUBBOCK AND LUBBOCK COUNTY.
SLIDE #2 ....	SENIOR ADULTS FACE CONSUMER CRISES YOUNGER CITIZENS RARELY ENCOUNTER BECAUSE OF FIXED RETIREMENT INCOMES.
SLIDE #3 ....	HELP FOR OLDER CITIZENS WITH CONSUMER DILEMMAS IS AVAILABLE THROUGH THE SENIOR CITIZENS CONSUMER ADVISORY PROGRAM OF TEXAS TECH UNIVERSITY.
SLIDE #4 ....	CALL 742-3048 FOR THE SENIOR ADVISOR NEAREST YOU. THE SERVICE IS FREE. CALL 742-3048 FOR OLDER CITIZENS HELPING OLDER CITIZENS.

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19-5-20-77

# TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

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(Slides enclosed)

30 seconds

## VIDEO

## AUDIO

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SLIDE #1 ....	BILLS SEEM TO ARRIVE EVERY DAY. OFTEN THEY MUST WAIT FOR THE MONEY TO CATCH UP, ESPECIALLY FOR SENIOR CITIZENS ON FIXED INCOMES.
SLIDE #2 ....	SENIOR ADULTS FACE CONSUMER DECISIONS MANY YOUNGER CITIZENS IGNORE, SUCH AS HARD-SELL, RETIREMENT-ORIENTED ADS IN THE SUNDAY PAPERS.
SLIDE #3 ....	NOW HELP FOR OLDER CITIZENS WITH CONSUMER PROBLEMS IS AVAILABLE THROUGH THE SENIOR CITIZENS CONSUMER ADVISORY
SLIDE #4 ....	PROGRAM OF TEXAS TECH UNIVERSITY. THE SERVICE IS FREE. CALL 742-3048 FOR THE SENIOR ADULT ADVISOR NEAREST YOU.

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20-5-20-77

# 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: Prabhu Ponkshe

LUBBOCK--Volcanoes and battles produced enough heat to induce rain according to a common belief at one time...but it is quite unlikely that the heat from today's legal battles over weather modification will have the same effect.

Weather modification has progressed from rain-dancing American Indians to present day meteorologists. An examination of the history, current status of weather modification experiments, and legal and social issues involved are perhaps some of today's important questions for lawmakers, scientists and farmers.

An attempt at answering these questions has been made in two recent books published by the International Center for Arid and Semi-Arid Land Studies (ICASALS) at Texas Tech University.

"Making Rain in America: A History" by Jeff Townsend and "Weather Modification Research Studies" by Dr. Donald R. Haragan review the interdependence of society and science and the development of social and scientific opinion on weather modification studies, with citing of current examples.

The moderately priced books are available by writing to ICASALS, Texas Tech University, Box 4620, Lubbock, Texas 79409.

-more-

Jeff Townsend of Tech's History Department tells the story of a scientific minority's struggle to win a degree of legitimacy for its ideas and activities and of the scientific, political and social readjustments and accommodations made necessary by its partial integration into the numerous complexes of American culture. The book also outlines the history of rain-making from the mid-nineteenth century to the mid-twentieth.

Haragan, chairman of Tech's geosciences department, has edited the second book, which contains articles by authorities in atmospheric sciences and law.

The geoscientist notes that exaggerations of successes and failures have affected weather modification, "and the scientific credibility has been further affected by the division of opinion among meteorologists."

There are three diverse views in the scientific community. One is that weather modification produces economic benefits in a variety of situations and should become fully operational immediately; secondly, although some interesting effects have been produced, precipitation increases or reductions in hail have not been demonstrated and that atmospheric experiments should continue, but programs are not ready to become operational; and the third opinion is that effects may be far-reaching and involve considerable risk and that experiments should be restricted to the laboratory or to the computer.

T. B. Smith of Meteorology Research, Inc., Altadena, California, has discussed the opportunities in West Texas in his article. The meteorologist concludes that warm cloud seeding and silver-iodide treatments have limited opportunities in West Texas and, "although

weather modification has a role to play in these semi-arid regions, but that role should be viewed with some restraint."

A summary of an operational hail suppression program conducted during 1970-73 over an area of approximately 2,000 square miles in the Texas South Plains is presented by Thomas J. Henderson, president of Atmospherics, Inc., Fresno, California.

The Texas Weather Modification Act and the Texas Water Development Board's involvement in evaluating weather modification projects is outlined by John Carr Jr., director of the Weather Modification and Technology Division, Texas Water Development Board, Austin.

Establishment of the Institute of Atmospheric Sciences at the South Dakota School of Mines and Technology and the Weather modification program in South Dakota is discussed in the fourth article, presented by Richard A. Schleusener, president of the school.

The High Plains Cooperative Experiment is outlined by Archie Kahan of the U.S. Bureau of Reclamation in Denver.

Dr. Edwin Kessler, director of the National Severe Storms Laboratory, Norman, Okla., examines prospects for modifying severe local storms as they are related to primitive numerical models of shower processes, to implications of observed data, and to seeding materials and systems for timely delivery into sensitive atmospheric regions.

Legal and social aspects of weather modification are discussed by Howard J. and Rita Falk Taubenfeld of the School of Law at Southern Methodist University, Dallas.

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The final paper by J. O. Fletcher, of the National Oceanographic and Atmospheric Administration, Boulder, Colo., deals with the somewhat broader picture of weather and climate modification as it relates to urgent problems of human affairs, including food and fiber.

Two other ICASALS publications cover the Social Science Research in Dry Lands and proceedings of the International Triticale Symposium held at Texas Tech University.

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22-5-20-77



# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

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FOR IMMEDIATE RELEASE

Residence hall rates were increased from approximately 2 3/4% to 3 1/2% today (Friday, May 20) by the Board of Regents of Texas Tech University and School of Medicine.

Meeting in regular session on the Tech campus, the Regents also approved an \$8 million bond sale, with \$2 1/2 million allocated for further construction at the New Deal agriculture center and \$5 1/2 million for a new student recreation center.

W. R. Collier, president of the American State Bank of Lubbock, Don L. Harris, Lubbock realtor, Mrs. Floyce Masterson, owner of the Masterson Ranch in Guthrie, William D. O'Brien, Lubbock investor, Charley Pope, executive vice president of First Federal Savings and Loan of Lubbock, and Mrs. J. M. Washington, wife of the rector of St. Paul's Episcopal Church in Lubbock, were elected to the board of the Texas Tech University Foundation. Twenty-seven members were also reappointed.

In other action the Regents approved First National Bank of Lubbock as the university's depository bank.

Construction approval included installation of a sprinkler system costing \$113,495 by Goodyear Sprinkler Systems and landscaping for \$30,869 by Evergreen Landscaping Service for the new extension of Indiana Avenue in Lubbock, general renovation of the University Center by Jerry Gailey Construction Co. of Lubbock for \$149,990 and equipment for that Center by Food Service Equipment and Supply of Lubbock for \$14,957, renovation of the maintenance building and one study unit of Tech facilities at Junction by Haygood's, Inc., of Junction at a cost of \$182,299.

The Regents authorized construction of a parking lot west of Indiana Avenue between 14th and 16th Streets, a campus street between Flint and Indiana, agricultural

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field laboratories in Lubbock County and completion of construction and equipping of food facilities at the School of Medicine. The latter, serving both the Health Sciences Centers Hospital and the medical school, will be operated by the hospital.

In sanctioning parking and traffic regulations for 1977-'78 the Board approved an increase from \$5 to \$6 for traffic tickets not paid within 72 hours and from \$10 to \$12 for towing charges.

The student service fee was hiked from \$2.10 per semester to \$2.17, and the student health service fee to \$10.50 per semester or \$4.50 per summer session.

Josten's/American Yearbook Co. received next year's contract for "La Ventana," university yearbook.

Dr. Magne Kristiansen of the electrical engineering faculty was named Paul Whitfield Horn Professor for his "outstanding teaching, research and other creative achievement."

The Regents presented a special resolution commending Marshall Pennington for his leadership as former chairman of the Lubbock County Hospital District.

The Board also approved siting for the new Agricultural Pavilion and the naming of the Natural Science Research Laboratory.