

DATE	Stories and Cutlines	Locals	Reg. Dai.	Reg. Wee.	50 M's	Reg. Fed.	x-list	Adj. Co.	Hometown	Explanations
1-7-24-78	Publ. Workshop	/	/							
2-7-24-78	Recreation Center	/	/							
3-7-24-78	Cutlines on Univ. workshop							/		Abernathy, Colorado City
4-7-25-78	Van Liers visit	/								
5-7-25-78	Theater workshop	/					/			
6-7-25-78	Cutline on Van Lier									AJ, WD
7-7-26-78	Early registration	/	/							
8-7-26-78	Advertising competition	/								
9-7-26-78	Teacher course - mass comm	/						/		
10-7-26-78	Engineering course	/								Special mailing list
11-7-26-78	Shin Story	/						/		
12-7-27-78	Biomass - Cutlines	/	/	/						Farm journals, energy journals
13-7-28-78	Wind Turbine - cutline	/	/					/		Wichita Falls - energy mag.
14-7-28-78	Ed. Ad. - Raulerson	/	/					/		Extra 25

TexasTech 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: Kim Palmer

LUBBOCK--The second session of the 21st Annual Publications Workshops for high school students began Monday (July 24) at Texas Tech University.

Sessions in yearbook and newspaper will continue through July 26, the photography session until July 28. The workshops are sponsored by the Mass Communications Department at Texas Tech.

Approximately 235 students registered for the sessions, according to Faye Kennedy, secretary for the workshops. Students are housed in the Chitwood-Weymouth dormitory complex.

The newspaper session will be mostly lecture and discussion, with emphasis on individualized attention to the special problems of each student, according to journalism Prof. Ralph L. Sellmeyer, workshop director.

The photography session is divided into beginning and advanced groups, with instructional material specifically designed for each group.

Classes for the photography and newspaper sessions are conducted in the Journalism and Mass Communications buildings.

The yearbook session is conducted by Taylor Publishing Company. Those attending the session will hear seminar directors and will be able to work with Taylor sales representatives. All meetings for the yearbook session will be in the University Center on the Texas Tech campus.

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publications workshop/add one

Workshop faculty includes: photography, Milton Adams, chief photographer, "Lubbock Avalanche-Journal," Harvey Madison, professional photographer, Todd Marshall, Texas Tech student publications photographer; newspaper, Carolene English, publications adviser, Burges High School, El Paso, Jim Davidson, assistant workshop director and publications adviser, Lake Highlands High School, Richardson, Dan Washmon, publications adviser, Westchester High School, Houston; yearbook, seminar directors and sales representatives from Taylor Publishing Company.

Final session of the summer workshops is July 30-Aug 4.

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CONTACT: Heinrich H. Steiner

LUBBOCK--Good things sometimes take a while to accomplish.

The Recreation Center of Texas Tech University, now under construction, will be one of the best among the relatively few campus recreation centers in the United States, according to Joe MacLean, director of recreational sports at Texas Tech.

It was back in 1975 when MacLean, university officials and student representatives started as a committee to work on the project.

One of their first steps was to tour large areas of the country to formulate ideas of what would be suitable and effective for Texas Tech. Previously the Board of Regents had acknowledges the need for a recreational center and had determinted to increase the building use fee to finance construction.

"We saw all the pertinent facilities in Texas and visited institutions in Tennessee, Utah, Washington and other states," MacLean said, "but when we presented our resulting wish-list to an architect, it turned out to be a 14 million dollar idea."

Even after trimming this dream to conform with the budget of about five million dollars, all the major, desirable features had been preserved, MacLean explained.

So when the center opens in late 1979, students will be offered facilities on three floor-levels, including basketball, racquetball,

-more-

recreation center/add one

tennis, badminton and squash courts, weightlifting areas, indoor golf, archery and dance sections, locker rooms with attached saunas, and more.

There will even be a sport shop to sell selected kinds of equipment, a workshop in which students can manufacture certain sports gear, and an audio-visual resource for film and slide presentations to facilitate the learning of sports.

The center, being constructed adjacent to the swimming pool, will be connected to it by a hallway to allow unrestricted access to both facilities.

One of the few remaining problems is financing of operating expenses, estimated at about half a million dollars annually, MacLean said. He indicated that users may have to pay a recreational fee.

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cutlines-----

COMPLETES FOOD SERVICE COURSE--Colleen Cecil, left, of 410 3rd.,
Abernathy, public school food service employee, has completed coursework
at a Texas Tech University workshop. At right is food and nutrition Prof.
Margarette Harden, coordinator for the workshop. The workshops are
endorsed by the American and Texas School Food Service Associations.
(Tech Photo)

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3-7-24-78

cutlines-----

COMPLETES FOOD SERVICE COURSE--Christine Cooley, left, of 1202 Elm Street, Colorado City, public school food service employee, has completed all five units of food service workshops at Texas Tech University. At right is food and nutrition Prof. Margarett Harden, coordinator for the workshops. The program is endorsed by the American and Texas School Food Service Associations. (Tech Photo)

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CONTACT: Heinrich H. Steiner

LUBBOCK--High school students from all over Texas will present their knowledge of theater and acting in a three-play free performance in the Texas Tech University Theater, Aug 4, starting at 8:15 p.m.

On the program are, "The Effect of Gamma Rays on Man in the Moon Marigolds," "The Lennon Play: In His Own Write," and "Chambermusic." The plays will be shown consecutively, and each will last about 45 minutes.

Reservations may be made by calling the ticket office of the theater at 742-3601.

This event will be the highlight of a two-week workshop for 25 high school students wishing to get practical experience and familiarity in acting, voice and movement development, make-up and other theatrical activities.

The program, one of several conducted by major universities in Texas, has been offered for eight years. Students have the option of staying in residence halls. They pay a workshop fee of 50 dollars.

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CONTACT: B. Zeeck

LUBBOCK--What do the Canyon Lakes Project in Lubbock and the reclamation of land from the sea have in common?

Dr. H. N. van Lier of the Netherlands Department of Land and Water Use was in Lubbock this week (week of July 23) to find the answer to this and other questions related to his special interest in long-range improvement of land in rural areas for agricultural, recreational, housing, landscaping and biological uses.

In a seminar he gave for students, faculty and others especially interested in his field, van Lier discussed in detail the history, present situation and future use of the new polders---land reclaimed from the sea.

He discussed the position of critics of the historic reclamation practices of the Netherlands and the shifts in the different land uses to which the polders are put with special attention to agriculture, landscaping, outdoor recreation and new towns.

Dr. James W. Kitchen of the Texas Tech University Department of Park Administration and Landscape Architecture arranged van Lier's visit and explained the attraction of the Canyon Lakes Project to van Lier and other visitors.

"It demonstrates the reclamation of land and conservative use of water for the advantage of great numbers of people in a community."

-more-

canyon lakes project/add one

Besides its good appearance, he cited particularly the multiple recreational uses the project provides, including good fishing in the city, and the multiple uses of the water which flows through the project.

Van Lier's field of work is called "cultuurtechniek," dealing with the multiple land use planning of rural areas in which several land uses are taken into account.

He explained that "cultuurtechniek" is used both on old and new land created by the reclamation of new polders from the Zuiderzee.

During his visit, as a guest of the Department of Park Administration and Landscape Architecture at Texas Tech University, he visited with Lubbock city park officials, toured the Canyon Lakes, and conferred with faculty in the College of Agricultural Sciences at the university.

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cutlines-----

LAND USE PLANNING--Dr. H. N. van Lier, second from right, of The Netherlands Department of Land and Water Use, conducted a seminar this week (week of July 23) at Texas Tech University for students and faculty in the Department of Park Administration and Landscape Architecture and other interested persons. He also toured the Lubbock Lakes Project, of special interest to him in relation to his work in the long range improvement of land in rural areas for agricultural, recreational, housing, landscaping and biological purposes. At right is Pat Taylor, a graduate of the department and now a recreation and park specialist with the Texas Agricultural Extension Service. (Tech Photo)

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EDITOR'S NOTE: FYI, At far left is Rita Salyars, a Texas Tech graduate who is planning on entering graduate school this fall, and at far right, Dr. James W. Kitchen, van Lier's host. (cq)

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CONTACT: Heinrich H. Steiner

LUBBOCK--Entering freshmen and their parents are invited to enjoy special preferences at Texas Tech University at six two-day early registration-orientation conferences, the first to start Monday (July 31). A final one-day session is scheduled for Aug. 30.

The conferences are designed to make the entrance into the university environment as simple and enjoyable as possible for students and parents.

To assure everyone individual attention in academic advisement, orientation and registration, the enrollment of each conference is limited to approximately 600 students.

Attendance is optional, but Texas Tech officials urge participation. According to Dr. Moses Turner, director of student life, more time can be given to the individual needs of students and parents at these conferences than during the regular fall registration period.

Students become somewhat familiar with the campus, the location of the buildings and what to expect when they arrive for the fall semester, and they get a confirmed enrollment in the courses they intend to take. Parents get an opportunity to see the facilities of a modern university and will be better able to estimate and evaluate the cost involved in a contemporary college education.

"The degree of orientation is a very important factor in the

-more-

early registration/add one

attitude of a freshman," Turner said. "We continue our efforts in this respect during the student's first semester by special programs in cooperation with residence hall personnel."

To be able to participate students must have submitted admission documents which include application, high school transcript and test scores.

Students are selected on a first-come, first-serve basis for the sessions.

According to Mike Smith, associate registrar, about 4100 students have already applied. He expects that all sessions will be filled to capacity, which would mean a total participation of about 4200 students.

Students and parents are not required to dine or lodge on campus, but they are offered two lodging and dining package plans from which to choose.

One plan provides accommodations for two nights, breakfast, lunch and dinner the first day, and breakfast and lunch the second day at a cost of \$17 per person. The other plan, tailored to fit a stay of only one night, is available for \$15 per person.

The sessions provide an independent schedule for students and parents.

Students will have the option of receiving credit by examination for certain courses. Then they can obtain their registration materials and visit their advisors for academic counseling.

Other features will include bus tours to provide a comprehensive view of the campus, housing seminars to familiarize students with the concept of residence hall living, seminars dealing with questions important for minority and handicapped students, and meetings with

early registration/add two

student leaders of various organizations to give the freshmen a prospect for the coming years.

Features in the parents' schedule include a welcome to Texas Tech including general information, a seminar to acquaint them with all costs associated with university life, a housing seminar explaining the residence halls, and an orientation wrap-up.

The second day provides time to complete advisement and registration if necessary and to spend the day according to a personal schedule and preference.

More information about the registration-orientation sessions may be obtained by calling the Office of Student Life at 742-2192.

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CONTACT: Kim Palmer

LUBBOCK--Students enrolled in an advertising creative strategy course at Texas Tech University placed second in a national advertising campaign competition designed to combat sexually transmissible diseases (STD).

The group of mass communications student selected "VD Isn't Funny" as the theme of their campaign.

The competition, conceived and funded by Almand "Bo" Carroll, semi-retired Atlanta, Ga., advertising executive, challenged college and university students to develop a multi-media campaign on the topic of STD, which Carroll believes to be "America's best-kept secret."

The contest attracted entries from college advertising, marketing and journalism classes across the nation. Entries were judged by a panel of advertising, radio and television professionals.

Carroll will present award plaques to Texas Tech's Mass Communications Department on Thursday, Sept. 20.

Competition entries were turned over to officials of the United States Center for Disease Control in Atlanta for possible use in their efforts against sexually transmissible disease.

Carroll believes that more education on the subject is needed. He hopes that future competitions will draw more entries and stimulate greater awareness of the severity of STD. Sexually transmissible

-more-

advertising competition/add one

diseases are second only to the common cold among communicable diseases.

Carroll has been active in the field of speciality advertising for more than 40 years. He has worked with: American Telephone and Telegraph, Frito-Lay, Georgia Power Company, Lockheed-Georgia Corporation, Dairy Queen and the Coca Cola Company.

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CONTACT: Becky Patterson

LUBBOCK--Approximately 10 public school journalism teachers and publications supervisors, including five fellows supported by the Newspaper Fund of the "Wall Street Journal," are enrolled in a one-week mass communications course beginning Monday (July 31) at Texas Tech University.

The course is designed to increase the instructors' effectiveness in directing school publications.

Dr. William F. Dean, professor of mass communications at Texas Tech and former director of Texas Tech student publications, will provide instruction.

The teachers will study methods and procedures of producing school publications, problems encountered in staffing student publications, organization of editorial supervision, advertising, managing revenue and publications promotion.

Participants will receive three semester hours of credit in graduate-level mass communications.

Recipients of the fellowships from the Newspaper Fund are Sharon Rhutasel of the Albuquerque public school system; Patsy Wood, Gulfport, Miss., school system; Alice Mewborn, Rocky Mount, N.C., school system; Kathy Shoup, Laredo public school system; and F. Clark Williams Jr., Kingsville public school system.

teacher course/add one

The course is offered in conjunction with the university's mass communications workshops for high school journalists, photographers and yearbook editors.

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LUBBOCK--Engineers from West Texas and Eastern New Mexico will have the opportunity this fall to enroll in any of five engineering courses offered by the Division of Continuing Engineering Education at Texas Tech University.

The program leads to a master's degree in engineering and is offered primarily for practicing engineers seeking professional development, according to Jo King, director of Continuing Education at Texas Tech. Course requirements may be completed off-campus, which enables engineers to remain at home and on-the-job.

The courses will be offered through Amarillo College and Frank Phillips College in Borger.

The program at Amarillo College will offer an electrical engineering course entitled "Electronic Circuits and Systems" and "Advanced Nuclear Engineering," a mechanical engineering course.

The program at Frank Phillips College will offer an electrical engineering course entitled "Industrial Power Systems," and a chemical engineering course, "Analysis of Chemical Engineering Problems" and a systems engineering course, "Analysis of Engineering Systems I."

King said the program was initiated in 1966 to comply with requests from professional engineers employed in area industries. Personnel from 17 companies and members of two professional societies

-more-

engineering course/add one

have participated. Fifty engineers have earned the master's degrees through the program.

Additional information may be obtained by writing Jo King, Continuing Engineering Education, College of Engineering, Texas Tech University, Lubbock, Texas 79409, or by dialing 806-742-3429.

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CONTACT: Becky Patterson

LUBBOCK--Engineers from West Texas and Eastern New Mexico will have the opportunity this fall to enroll in any of five engineering courses offered by the Division of Continuing Engineering Education at Texas Tech University.

The program leads to a master's degree in engineering and is offered primarily for practicing engineers seeking professional development, according to Jo King, director of Continuing Education at Texas Tech. Course requirements may be completed off-campus, which enables engineers to remain at home and on-the-job.

The courses will be offered through Amarillo College and Frank Phillips College in Borger.

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LUBBOCK--Lubbock's Kyung Wook Shin is well-known to many Koreans. Before coming to the United States he won a national Korean music competition equivalent to the Metropolitan Opera auditions and served as a teacher, operatic performer and conductor of the Korean Broadcasting Station Chorus.

West Texan music-lovers know Shin as a uniquely talented baritone on the music faculty of Texas Tech University and performer in such operas as "Rigoletto," "The Marriage of Figaro" and "Carmen." He recently conducted the Texas Tech and Civic Lubbock productions of "Finian's Rainbow" and "The Music Man."

Shin will appear before Korean audiences in September at the request of the Korean government. He will direct "Don Giovanni," the opera highlighting the third annual Korean Music Festival, scheduled for Sept. 4 through Sept. 15.

The festival, timed to coincide with the 33rd anniversary of Korea's independence from Japan, features classical Korean and Western music, Korean folk music, contemporary music and new compositions.

An operatic director is responsible for "controlling everything," Shin explained. He will control the singers' diction, acting, their expressions of the personality of the characters, stage lighting, costuming and coordination of operatic activities with the scenery.

-more-

shin/add one

"I know how it has to be," Shin said.

"Don Giovanni" is the story of the skirt-chasing Spanish nobleman, Don Juan, who boasts of having seduced 2,065 women. As director, Shin said he must be able to help his singers convey to the audience the reasons the don behaves as he does. "It is hard," he said, "for modern audiences to understand."

Shin has not visited Korea since he came to study opera in the United States nine years ago. "They'll be watching me," he said, "to see what I do."

Shin was born in Seoul in 1934. His mother was a professional singer. His father was a mathematician who played the piano and enjoyed symphonies by Mozart, Schubert and Beethoven. Shin said that even as a child he was fascinated with music. The symphonies his father loved moved Shin deeply. But he never considered music as a career.

"It was too easy," Shin said. Career preparation was supposed to be difficult. So he studied mathematics and planned to be an engineer-- and sang.

He sang his way through grade school and high school. Several months before Shin was scheduled to take the college entrance examination, a symphony conductor heard him singing, was impressed and told Shin he had the potential to be a great singer.

Shin thought about it and talked with his parents. Together they decided he should pursue whatever career came most easily. He chose music and entered Seoul National University in 1955.

While there he appeared in several operas and won a government-sponsored music competition in 1959. After he was graduated from Seoul University in 1961, he taught music for two years in a men's high school.

shin/add two

He then taught four years at the Seoul High School of Music and Art, a school for potential performers of music, opera and ballet.

Shin sees a difference in the practice techniques of Korean and American music students. Korean students often practice until midnight, when curfew requires they be home. "Here I don't see many students practicing after 10 or 11 o'clock," he said.

When Shin was still at the fine arts school, he was asked to conduct the Korean Broadcasting Station Chorus, a government-sponsored group that performed a 20-minute weekly broadcast of various types of music.

After teaching in a Christian university he came to the United States to study opera at Indiana University, which is renowned for its operatic productions. His plan was to study operatic direction, then return to Korea.

"There are many fine performers," he said, "but my country still needs an opera stage director."

Shin was graduated from Indiana in 1972 with the conviction that he still needed to learn more about opera. He was hired by Texas Tech in 1973 and is now an enthusiastic Texan. Shin, his wife and their two children soon will become American citizens.

Shin said he is "very excited" about visiting Korea. He is also enthused about a dream he has for Lubbock.

Shin the music man has something in common with the salesman in "The Music Man." The stage character was responsible for starting a marching band in the fictional town of River City. Shin wants to start an opera company in Lubbock.

He said Lubbock has the talent and the public interest necessary for a successful opera company.

shin/add three

"We've had quite good reactions to college productions," he commented. Most of the operas produced by Texas Tech have played to full houses.

"The Lubbock Symphony and ballet are also very popular," he added. These organizations help draw Lubbockites closer together by encouraging a form of civic pride--"Lubbock for Lubbock," Shin termed it.

He foresees great success for a Lubbock opera company and cites as exemplars opera companies in Dallas, Houston and Santa Fe. Those opera companies, combined with symphony and ballet companies, have established the cities as cultural centers for their areas, Shin said.

He mentioned that the nationally acclaimed Santa Fe company grew from much the same circumstances that exist in Lubbock.

Shin said all his potential opera company lacks is a patron--some individual or group who will sponsor a troupe of singers without the sponsor being heavily involved in the actual production. He is searching for such a sponsor.

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ATTN: Agriculture Energy Editors

LUBBOCK--The farmer of the future may find the energy needed for production on top of the soil rather than in underground hydrocarbons.

Texas Tech University engineers are working on a process that would allow a cotton farmer to haul his crop to the gin and bring the trailer home loaded with fuel.

Dr. Harry W. Parker of the chemical engineering faculty, working with mechanical and agricultural engineers, has devised a scheme whereby cotton gin trash could be transformed by an individual farmer into enough fuel to run an irrigation pump.

Grain stubble or any other coarse organic waste might be used, Parker said.

The same system, made portable, might eventually run tractors or supply energy for feed preparation at feedlots, cotton gins, or the operation of small municipal electric generating facilities.

The cost of natural gas at \$1.80 per 1,000 cubic feet is still cheaper than the gas his laboratory model can produce at an equivalent price of \$3 per 1,000 cu. ft., including the investment and labor, but Parker is developing the process for

-more-

biomass/add one

possible use when the cost picture changes or when natural gas is unavailable at any price.

"With the cost of natural gas going up," Parker said, "we are looking for useful alternatives, particularly to pump irrigation water. The three that are getting particular attention are solar, wind and biomass energy.

"Biomass is a particularly effective alternate energy source for irrigation wells because it can be gathered from the same land which is to be irrigated."

Parker's idea is not new, he emphasizes. It is the same principal that Europeans used during World War II when charcoal produced the energy for driving cars.

The concept was used even before the Civil War, and stationary internal combustion engines frequently were fueled with producer gas at the turn of the century. Availability of petroleum and more efficient steam power plants made the use of producer gas generators go out of favor. Parker thinks the process is due for a comeback.

He has built a model of his producer gas generator or "gasifier" which could be used to fuel an internal combustion engine to pump irrigation water. In his model the gin trash is partially oxidized with a controlled amount of air with or without added steam.

The gas generated is a low BTU (British Thermal Unit) gas, of about 120 to 150 BTUs per cubic foot. Engines currently in use on irrigation wells would have to be derated, he estimates, to about 60 percent of their present horsepower.

biomass/add two

The system could keep an engine running for about 22 hours. This would be followed by two hours of down time to load the gin trash and restart the motor.

Parker said irrigation wells were chosen for the application of his project because they are of immediate concern to Texas farmers and ranchers, and the logistics of irrigation well operation matches effectively that of producer gas generators.

A major advantage of the system, Parker said, is that it makes the farmer independent of external sources of energy. The irrigation motor starts readily on the system, and environmental problems can be handled. The residue is condensed water and ash which can be used on the farm.

Parker's project is funded by the Water Resources Center and the Center for Energy Research at Texas Tech and the Texas Energy Advisory Council.

Working with Parker are Dr. Elbert B. Reynolds Jr. of the Department of Mechanical Engineering and Dr. Willie L. Ulich, professor of Agricultural Engineering.

Among the students working on the project are two in Chemical Engineering, graduate student Lyndell H. Holmes and senior Richard Mergenhagen.

Holmes is the son of William H. Holmes, Rt. 5, Amarillo. Mergenhagen's parents are Mr. and Mrs. Walter F. Mergenhagen, 2302 Crescent, Abilene.

Michael Milam, son of J. K. Milam, 33 Crockett Drive, Tulia, assisted in the design of the model. He has since been graduated and is employed by Diamond Shamrock in Dumas.

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cutlines-----

FROM GIN TRASH TO IRRIGATION PUMP POWER--Texas Tech University chemical engineers work to adjust their model "gasifier" which can turn gin trash into the energy necessary to run an irrigation pump motor. Left is Lyndell H. Holmes, Amarillo graduate student, who is setting fire to the gin trash. Dr. Harry W. Parker, right, of the chemical engineering faculty, is the principal investigator. Discussing a motor adjustment with him is senior chemical engineering student Richard Mergenhagen of Abilene.

(Tech Photo)

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Editor's Note: Parker is the son of Mrs. A. D. Parker, Tulia.

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ATTN: Energy Editors

LUBBOCK--Wind has carried man around the world in sailing ships. Wind helped settle the West by providing water for the homesteader and the cattle that helped build America's vast ranches.

It may, in the future, provide some of the creature comforts as well as necessities provided in the near past by fossil fuels.

To corral wind energy to do more than pump water, to make it serve small communities or to power a great many irrigation wells off one system...well, that takes a lot of data gathering, analysis and engineering.

Undertaking a two-thrust study of a Darrieus wind turbine to find some of the important answers is Dr. James H. Strickland of the Texas Tech University Department of Mechanical Engineering.

His goal, first, is to learn how to get the maximum power from one machine. His second goal is to learn how to space a battery of wind turbines so that the wake from one does not cut the generation of power from the others.

Strickland's work, sponsored by the Texas Tech Center for Energy Research, already has progressed to the equipment stage. His 5-meter diameter, aluminum, vertical axis wind turbine is

-more-

wind turbine/add one

visible from 4th St. and Quaker Ave. in Lubbock.

With the turbine Strickland will collect data and test the system with a rotor speed control, in an effort to make it operate in the most cost-effective way possible, get the highest possible efficiency in relation to wind speeds, increase its reliability and make wind more competitive with other energy sources.

"One of the problems with a wind turbine," he said, "is that the outermost part of the rotor can travel at 10 times the wind speed. With overspeeding, vibration and efficiency problems develop."

Strickland will be working with electrical engineers to develop a wind sensing device to allow the rotor to start turning with winds of about 8 miles per hour and shut down when winds reach 60 to 70 mph.

"In most current applications," Strickland said, "wind machines are operated with constant rotor speeds which can waste as much as 75 percent of the available wind energy.

"In our system the rotor speed will vary with the wind speed but maintain a constant ratio of rpm (revolutions per minute) to the wind speed.

"This should increase the efficiency of the turbine in producing power and increase also its reliability because the turbine would shut down automatically before it overspeeds."

One of the big advantages of a wind turbine is that the power can easily be fed into any utility grid system. Eventually one machine might serve a neighborhood community or a series of machines could produce enough energy for a number of irrigation wells and other farm needs.

wind turbine/add two

Strickland said wake characteristics cannot be studied before next spring.

"Because of the variability in wind speed and direction, this is not an easy task," Strickland admitted, "and one of the primary goals will be to develop a useful method of measuring these characteristics.

"We are in the process now of working out the bugs in the initial system," Strickland said. "We will be collecting data this fall on a grid-coupled system and then install the electronic rotor speed control system next winter."

Working with Strickland on the rotor speed control system is Dr. Donald L. Gustafson of the Texas Tech electrical engineering faculty.

Also assisting is mechanical engineering graduate student Charles Knezek, son of Mr. and Mrs. Leo Knezek, Rt. 2, Iowa Park.

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WIND TURBINE--Dr. James H. Strickland of Texas Tech University's mechanical engineering faculty has the equipment now to begin wind research studies using the 5-moter diameter, aluminum, vertical axis wind turbine newly installed on the university campus.
(Tech Photo)

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CONTACT: Prabhu Ponkshe

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LUBBOCK---U. S. Representative George H. Mahon announced today that the White House has nominated Calvin H. (Hank) Raullerson for the post of Assistant Administrator, Agency for International Development (AID), U. S. Department of State.

Raullerson, who is executive director of the International Center for Arid and Semi-Arid Land Studies (ICASALS) at Texas Tech University, will soon be considered for confirmation by the Senate Foreign Relations Committee.

When confirmed by the Senate, Raullerson will take charge of the Bureau of Private and Development Cooperation within AID. The bureau includes the Offices of Private and Voluntary Cooperation; Food for Peace; U. S. Foreign Disaster Assistance; Labor Affairs; Reimbursable Development Programs; and American Schools and Hospitals abroad.

Raullerson's primary responsibility will be to encourage participation of non-governmental institutions in support of AID's development and humanitarian objectives.

He is perhaps the most senior federal government nominee in the history of the university, according to Dr. Charles S. Hardwick, vice president for academic affairs at Texas Tech.

Before coming to Texas Tech in August 1973, Raullerson served as Regional Director for Peace Corps operations in Africa for three years, with offices in Washington, D. C. During the three years in the Peace Corps he received several commendations from the State Department, including one for successfully negotiating the withdrawal of 120 Peace Corps volunteers from Uganda.

=more=

Raullerson/ add one

Born in Utica, New York, Raullerson received his bachelor's degree in political science and economics from Lincoln University, Pennsylvania, in 1943. In 1949 he received his master's in public administration from New York University, following a one-year period of graduate study at Harvard University during 1945-46.

At Texas Tech University he served as executive assistant to the dean of the Medical School, special assistant to the president for international programs, special consultant for research and development, and assistant professor of health organization and management.

Since February 1976 he has been working as executive director of ICASALS, responsible for coordinating the Niger Cereals Project funded by AID. Four Texas Tech agriculture experts have been stationed in Niger for the last 18 months helping the West African nation with cereal production.

From 1966 to 1970, Raullerson was active in the Peace Corps serving as director for regional and national operations. Before that he held several senior positions in the American Society of African Culture (AMSAC) and the United Negro College Fund.

During his high school and college years the White House nominee worked in a post office as a dispatch clerk and on an "assembly line" in an ice cream factory.

Raullerson and his wife, Olive, live at 4005 68th Street. Mrs. Raullerson is director of Central Appointments and Registration, Texas Tech University School of Medicine. They have three children: Kevin Raullerson, a tight end at Saddleback Junior College, Mission Viejo, California; Mrs. Serge-Eric Pellaton, Cleveland, Ohio; and Earl H. Jones, Lubbock.

Raullerson/ add two.

"While we shall miss Mr. Raullerson, Texas Tech University is honored by his opportunity to serve the government of the United States," President Cecil Mackey commented. "He has been a valuable asset to the staff of this university. We wish him well in his new and important duties."

Dr. Harold E. Dregne, director of ICASALS, in commending Raullerson for his contributions to the university, noted the special role he played during last year's United Nations Conference on Desertification at Nairobi, Kenya.

Raullerson was a member of the official United States Delegation to the conference, "where he played a key role in formulating U. S. policy toward global efforts aimed at combatting the spread of deserts," Dregne said.

Raullerson has been granted leave of absence from the university.

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When confirmed by the Senate, Raullerson will take charge of the Bureau of Private and Development Cooperation with AID. The bureau includes the Offices of Private and Voluntary Cooperation; Food for Peace; U.S. Foreign Disaster Assistance; Labor Affairs; Reimbursable Development Programs; and American Schools and Hospitals abroad.

Raullerson's primary responsibility will be to encourage participation of non-governmental institutions in support of AID's development and humanitarian objectives.

He is perhaps the most senior federal government nominee in the history of the university, according to Dr. Charles S. Hardwick, vice president for academic affairs at Texas Tech.

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Before coming to Texas Tech in August 1973, Raullerson served as Regional Director for Peace Corps operations in Africa for three years, with offices in Washington, D. C. During the three years in the Peace Corps he received several commendations from the State Department, including one for successfully negotiating the withdrawal of 120 Peace Corps volunteers from Uganda.

Born in Utica, New York, Raullerson received his bachelor's degree in political science and economics from Lincoln University, Pennsylvania, in 1943. In 1949 he received his master's in public administration from New York University, following a one-year period of graduate study at Harvard University during 1945-'46.

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Since February 1976 he has been working as executive director of ICASALS, responsible for coordinating the Niger Cereals Project funded by AID. Four Texas Tech agriculture experts have been stationed in Niger for the last 18 months helping the West African nation with cereal production.

From 1966 to 1970, Raullerson was active in the Peace Corps serving as director of regional and national operations. Before that he held several senior positions in the American Society of African Culture (AMSAC) and the United Negro College Fund.

During his high school and college years the White House nominee worked in a post office as dispatch clerk and on an "assembly line" in an ice cream factory.

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raullerson/add two

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Mrs. Raullerson is director of Central Appointments and Registration, Texas Tech Univeristy School of Medicine. They have three children: Kevin Raullerson, a tight end at Saddleback Junior College, Mission Viejo, California; Mrs. Serge-Eric Pellaton, Cleveland, Ohio; and Earl H. Jones, Lubbock.

"While we shall miss Mr. Raullerson, Texas Tech University is honored by his opportunity to serve the government of the United States," President Cecil Mackey commented. "He has been a valuable asset to the staff of this univeristy. We wish him well in his new and important duties."

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EDITOR'S ADVISORY:

The announcement by the White House, nominating Mr. Raulerson, was made at 1:00 p, (CST), July 28 (Friday). Mr. Mahon's office in Washington announced it shortly thereafter.

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CONTACT: Kim Palmer

LUBBOCK--A mere child among major Texas universities, Texas Tech University, 55 years young, has shown continued growth in the physical facilities of the campus and in both the size and quality of the student body as well.

From its initial student enrollment of 910 in 1925, Texas Tech now hosts more than 22,000 students coming to the university from almost every county in Texas, almost every state in the nation and from over 60 foreign countries.

Texas Tech undergraduates have a choice of 100 major areas of study, with the master's degree offered in 68 areas and the doctorate in more than 40 programs.

Students pursue academics and sports in some of the finest, most up-to-date facilities in the nation. Physical facilities are valued at more than \$280 million.

The Texas Tech University School of Medicine is currently in its first phase of operation. The Medical School's administrative offices, medical library, basic science department and some clinical departments are housed in the partially completed Health Sciences Center Building. The building, containing nearly 18 acres of floor space, will eventually house the entire Lubbock operation of the Medical School.

-more-

Adjacent to the School is the newly completed primary teaching facility, the Health Sciences Center Hospital. Schools of Nursing, Pharmacy, Allied Health and Veterinary Medicine are included in the future plans of the Medical School.

Texas Tech's Library contains some 1.5 million items supporting academic programs in all six of the university's colleges and the Graduate School. The Medical School Library, the Law Library and the Southwest Collection, which serves as the historical research and reference archives for both the university and general public, complement Texas Tech's library system.

The Department of Food and Nutrition will be housed in the six-story addition to the College of Home Economics Building.

Recent construction joined the University Center, a favorite student gathering place, and the Music Building. A 1,000-seat theater is shared by both groups. The magnificent Holtkamp pipe organ is housed in the complex's new 500-seat Recital Hall. Centrally located within the facility is the University Center Courtyard, which is especially popular for afternoon concerts, crafts displays and demonstrations.

The Recreational Aquatic Center, with its Olympic-size pool and removable bubble top, has proven a popular addition to the campus with both students and staff. A \$5 million Recreational Center, to be completed in late 1979, will house a large gymnasium area the size of five basketball courts; a dozen handball courts; weights, archery and other sports; a workshop and crafts area; and an outdoor equipment and rental shop.

A new Agricultural Sciences Pavilion, to be completed this

ttu/add two

fall, will give students the opportunity for more "hands on" experience with animals. The facility will include enough space for three classes to be taught concurrently, a 300-seat conference room, a catering kitchen, an animal wash area and animal holding and working pens.

One of the largest college campuses in the nation, encompassing 1,839 acres in one contiguous tract, Texas Tech is definitely a healthy and growing child.

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CONTACT: Heinrich H. Steiner

LUBBOCK--Texas Tech University is growing despite a national trend downward in the number of students attending colleges and universities.

The institution anticipates a record enrollment of more than 23,000 students for the fall semester, compared to slightly more than 22,000 students in the fall semester in 1977.

To meet the demand and the expectations Texas Tech is well prepared.

There will be two full registration days this year, Aug. 31-Sept. 1. Classes will begin Sept. 5. From Sept. 7-12 students have the option of adding or dropping courses and until Oct. 3 to decide whether to take certain courses under a pass/fail plan. The last day to drop a course will be Nov. 10.

According to Texas Tech officials, the dormitories, with a capacity of almost 7,100 students, are already booked out and nearly 800 students are on a waiting list. Texas Tech has responded to this situation by leasing a wing of a privately operated apartment complex.

A recent survey of 402 campuses of state universities and land-grant colleges shows that Texas Tech ranks 10th nationally in first-time freshman enrollment.

-more-

fall enrollment/add one

The University has several attributes which make it especially attractive to students, according to Dr. Gene W. Medley, associate director of admissions and records.

He says Texas Tech graduates are well sought after in the job market, and the "University Days" programs held in high schools and on campus are a good method of informing students of the advantages and offerings of Texas Tech. Furthermore, various departments this fall will offer more classes at more convenient times in basic subjects required for freshmen.

Judging by the comparatively few who add and drop courses, Medley said Texas Tech has one of the best registration systems in the state. He also believes the improvements and growth indicate that "Texas Tech is in the running as one of the greatest schools in the nation."

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RESEARCH AND TRAINING CENTER IN MENTAL RETARDATION

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In much the same way the Khiva Shriners are working to help children with orthopedic ~~and~~ problems or severe burns, so too is the Research and Training Center in Mental Retardation at Texas Tech University working to help the handicapped.

Beginning in 1971 with initial funding of \$75,000 and a staff of three, the ~~R~~ ^(R+T) Research and Training Center began its research and referral work with children and adults. Today the program is funded ^{Research and Training Center} ~~for over one million dollars~~ ^{WITH MORE THAN \$1,000,000} and has a staff of 50. ~~the~~ ^{Programs} ~~the developmentally handicapped such as~~ ^{to help} ~~work with~~ the mentally retarded, autistic, epileptic and persons suffering from cerebral palsy have been an ongoing function of the center.

Through its research programs the center works to develop and disseminate knowledge about rehabilitation of the mentally retarded and other developmentally ~~disabled~~ disabled persons. The aim is to increase the independence of the disabled by finding ways to train them in daily living and vocational skills. The center also is working to improve the support services available to the handicapped.

The ~~center~~ ^{STAFF} works closely with other regional agencies that assist the handicapped, for both research and training purposes. The R&T center attempts to diagnose as quickly as possible the problems of children and young adults with severe or multiple disabilities. The next step is referral to the proper local agency for treatment or ^{to} work with the parents to develop in-home training suitable for the specific needs of the child.

r&t center/add one

Some of the agencies ^{WITH WHICH} ~~that~~ the center has worked ~~with~~ to develop research and training programs are the Lubbock Public Schools System, ~~the~~ Lubbock Regional Mental Health and Mental Retardation Center, ~~the~~ Child Find program at the Education Service Center, ^{Industries} Goodwill and the Lighthouse for the Blind.

The Developmental Disability Center, operated in conjunction with the Texas Tech University School of Medicine, is one of the newest programs being conducted by the R&T center. ~~Working~~ ^{INPUT AND COOPERATION FROM} ~~with~~ faculty from Tech departments such as ~~a~~ speech and hearing, psychology, sociology, child development and special education, the interdisciplinary programs provides evaluation and followup services ~~for~~ for developmentally handicapped children. Where appropriate, supplemental services of physical medicine, occupational therapy and physical therapy are ^{also provided} ~~obtained~~.

The rationale behind this type of program is that no one discipline can serve ^a developmentally disabled person by providing all the services needed. The complexity of the children being helped is such that a coordinated approach to their care is necessary. The interdisciplinary approach has shown itself to be the most effective.

~~R&T Center~~ R&T researchers are also working with the Special Olympics program at Texas Tech to determine how physical skills are affected as well as the social adjustment of the participants. Other research programs are examining the effects of group homes ~~for~~ for the mentally retarded, vocational training of the severely and multiply handicapped ^{and} special needs of handicapped consumers regarding services and adjustment problems. A long-range study is also being made to determine how ~~at~~ well State School students ~~can~~ adjust to community living situations.

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