

Mailing Schedule For

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

More than 250 students have enrolled in Texas Tech's first annual Cheerleaders School with almost a month to go before the deadline for registration, according to Edsel Buchanan, Tech intramurals director.

Students from Oklahoma, New Mexico and throughout Texas have signed up for the School, scheduled August 2-7 on the Tech campus. Deadline for registration is July 1.

Open to junior high, high school and college students, the summer cheerleading school will include sessions in sportsmanship, novelty yells, boosting school spirit, crowd psychology, demonstration of yells, stunts, and skits, footwork routines, tumbling and new yells, songs and chants, cheerleading techniques and planning pep rallies.

Recreation and entertainment also will be planned for the guests, who may swim, play tennis and use the Tech Union facilities.

The participants will be housed in Tech residence halls, under the supervision of trained and experienced personnel at all times, Buchanan reported.

The staff for the school will be supplied by the National Cheerleaders Association.

"These are among the finest instructors in the cheerleading field," Buchanan said. "They bring with them years of experience in teaching the very latest cheerleading methods."

Total cost of the school is \$44.50, which includes five nights lodging; food service from the Monday morning breakfast through the Friday morning breakfast; medical care at the Tech Infirmary; and the cost of instruction.

Participants who commute and don't stay in the residence halls will be charged only a \$23.50 registration fee, Buchanan added.

A deposit of \$19.50 is required of participants when they register. No deposits will be refunded after the July 1 enrollment deadline.

Applications or additional information may be obtained from Buchanan, Intramural Bym, Texas Tech.

Texas Technological College
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Two graduate students, 13 seniors and two juniors have been initiated into the Texas Tech chapter of Beta Gamma Sigma, national scholastic honorary for commerce, Saturday (May 30) at 3 p.m. in the Tech Union Coronado Room.

A reception was held for the new initiates, according to Burl Hubbard, an assistant professor of management and president of the organization.

Marvin A. Johnson of Lubbock and Jerry C. Green of Lorenzo were the graduate student initiates.

Senior initiates included William F. Allen, Byron M. Farley, Royce B. Hunter, William Charles Lane, Mrs. Fred Pinkston and Richard C. Spikes of Lubbock.

Also Lonnie A. Howard of 2603 Brunson, Midland; Miss Annette Inmon of 1623 Lansford, Dallas; Mrs. Joyce Pfeiffer of Baltimore, Md.; Cary D. Miller, Vernon; Mrs. Linda K. Poole of Post; and Mrs. F. Gerlach Smith, Walker AFB, N.M.

Harold T. Black of Lubbock and C. Robert Fielder of 6021 E. 21st St., Abilene; were junior initiates.

Hubbard announced that Mrs. James Kilchenstein, a business education instructor at Tech, was named secretary, and Black, vice-president. Black was chosen on the basis of being the junior with the best scholastic record.

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Ed Smith, a muscular six-footer from Hale Center, used his Texas Tech ROTC training to take a short cut to an Army Commission.

Smith came to Tech in Sept., 1959 and majored in government after attending West Texas State University in Canyon.

He completed the Army ROTC program as well as the flight instruction program and was a mere 25 hours away from a bachelor of science degree when Uncle Sam beckoned in the form of a draft notice.

In a gesture of "one-up-manship," the Hale Center native beat the draft board to the punch and enlisted in the Army in Dec., 1961. He completed basic training with a good record, and was assigned to the newly-formed 5th Infantry Division at Ft. Carson, Colo.

About this time, Smith decided to see what could be done to secure a commission. He first considered entering the Army's Officer Candidate School but decided, on the advice of his company commander, to apply for a direct commission instead.

"My first letter of application was in March, 1963," Smith recalled. "I was on KP in July when the first sergeant told me to go to the captain's office about some paperwork."

Smith went to the captain's office as ordered and was greeted by his commission as a second lieutenant and by a pair of shiny new gold bars.

His successful ROTC completion played a major part in obtaining the direct commission, Smith said.

Smith's meteoric rise from PFC to 2nd Lt. rated him a feature story in the "Mountaineer," the Ft. Carson post newspaper.

After two and one-half years on active duty, Smith will soon start on a new phase in his career. He stopped in Lubbock en route to Ft. Rucker, Ala., and the Army's pilot training school.

He indicated that his future is not yet clear.

(more)

Smith DirectoCommission - add one

"I know only that I will be in flight school for the next eight months," he continued. "After I get my wings, I will have three years to put in before I am eligible for release from the active Army."

"My only regret is that I didn't stay at Tech until I got my degree," Smith said. "After I finish flight school, my next aim will be to wrap up those 25 hours and get a college degree."

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3-6-1

Texas Technological College
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William F. Temple of Lubbock and R. Nolan Clark of 7300 Marilyn Dr., Ft. Worth, have been singled out for honors by the Texas Tech agricultural engineering department.

Clark received two top awards at recent ceremonies on the Tech campus. He was named the most outstanding agricultural engineering student at the College for the 1963-64 school year and received the William F. Schiesow award.

In addition, Clark won a national merit honor award for outstanding service in agricultural engineering. He was president of the Tech student chapter of the American Society of Agricultural Engineers this past year.

After graduation May 30, Clark will attend the University of Tennessee under a teaching fellowship in agricultural engineering while he works toward a master of science degree.

Temple, a former Weatherford resident, received a \$50 award for presenting the top paper at the Southwestern Region meeting of the ASAE in Baton Rouge, La. His paper was entitled "Soil Mulch Moisture Retention and Temperature Study."

His winning paper will be sent forward to compete in the national contest. Temple was president of the Southwest region student branch of the ASAE in 1964 and president of the Tech chapter in 1962-63.

Temple will join the John Bean Division of the Food Machinery Corp., Orlando, Fla., working in machine design.

Texas Technological College
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FORT WORTH -- Texas Tech ex-students and friends in the area will hear Tech President R.C. Goodwin speak during a meeting Thursday (June 4) at the Ridgelea Country Club.

Representatives of the Tech Athletic Department and Ex-Students Association also will be present. The meeting will include a social hour at 6:30 p.m. and dinner at 7:30 p.m.

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5-6-2

Texas Technological College
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Texas Tech's Air Force ROTC detachment will host Brig. Gen. William C. Lindley, Wednesday and Thursday (June 3,4).

Gen. Lindley, commandant of the Air Force ROTC, is paying a "friendly visit" to the Tech campus and not making an inspection, according to College ROTC detachment officers.

The schedule calls for Gen. Lindley to arrive in Lubbock Wednesday afternoon and to attend a dinner in his honor given by Dr. R.C. Goodwin, Tech president, in the Faculty Club that evening.

Thursday morning, Gen. Lindley will meet with Lt. Col. George R. Hull, professor of air science, and receive an informal briefing on Tech detachment operations from cadets.

His Thursday morning agenda also includes a meeting with Marshall L. Pennington, vice president for business affairs, and an automobile tour of the 1,800-acre Tech campus.

As Air Force ROTC commandant, Gen. Lindley heads the Air Force's largest single source of securing career officers. His staff works in close partnership with institutions of higher learning in 47 states.

A native of Midway, Tex., Gen. Lindley began his military career by enlisting in the Texas National Guard while he was a student at Huntsville High School. He received a bachelor of arts degree in education from Sam Houston State College in 1939.

Gen. Lindley entered the Air Force's aviation cadet program in 1940 and received both his silver pilot's wings and commission as a second lieutenant in July, 1941.

Texas Technological College
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Registration for the first term of the summer session begins at Texas Tech at 8 a.m. today(June 3) with an orientation for entering freshmen and new students scheduled in the Biology Auditorium on campus.

Registration continues from 8 a.m. to 12 noon and from 1:30 p.m. to 5 p.m. today and Thursday(June 4.)

Classes begin Friday(June 5), Saturday(June 6) will be a day of instruction for all classes.

For the remainder of the first term, classes will meet Mondays through Fridays. Six class periods of $1\frac{1}{2}$ hours each will run from 7:20 a.m. to 6:10 p.m. on these days.

More than 5,000 students are expected to enroll for the first summer term.

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7-6-2

CAPTION

ALL SMILES - These four Texas Tech engineering students are "all smiles" after they were named recipients of scholarships to cover their studies during the 1964-65 school year. From left, they are Raymond M. Kliever a senior from Phillips; Larry D. Master, and Albert R. Ashley, Odessa sophomores; and Charles R. Chrismer, a junior from Yuma, Colo. Chrismer and Kliever each received \$750 grants from the R.C. Baker Foundation. Ashley won the \$500 Schlumberger Collegiate Award and Masters a \$300 scholarship from West Texas-New Mexico chapter of the National Electrical Contractors Association. (Tech Photo)

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CAPTION

HONORARY DEGREE RECIPIENT - Prominent Texas cotton executive George Pfeiffenberger of Lubbock (center) received an honerary doctor of science degree from Texas Tech in recent commencement ceremonies from Dr. R.C. Goodwin, Tech president, (right). Pfeiffenberger is a national leader in development of cotton research and marNeting. At left is Dr. Joseph R. Smiley, president of the University of Colorado and prânciple speaker at the commencement. (Tech Photo).

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CAPTION

FROM TEXACO TO TECH -- Texas Tech's President R.C. Goodwin (left) receives a \$1,000 check from J.L. Sleeper of Midland on behalf of Texaco, Inc. The grant, which will be used for two \$375 scholarships and \$250 in undesignated funds, is part of a long-range Texaco program of special support for higher education. (TEXAS TECH PHOTO)

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Texas Tech's agronomy and range management department will soon begin testing a portable "cyclone." The "cyclone," a 500-gallon Myers air field crop sprayer, is capable of spraying a 100 foot swath in a field, or approximately 34 rows.

Dr. A.W. Young, professor and head of agronomy and range management at Tech, took delivery on the giant machine which is considerably larger in size than a conventional automobile.

The agronomy department head said that the machine itself was not experimental and had been used in other areas for some time.

"We want to see if this machine is practical for use in the high wind conditions which we have on the Plains," Dr. Young said.

The \$7,500 apparatus is on a "no-charge loan" to Tech according to Fred D. Williams of Sulphur, Okla., regional sales manager for Myers.

"We chose Tech for this experimental work because of the tremendous agricultural potential in the South Plains area. We already have other types of spray equipment in use at Tech," Williams continued.

The machine can cover such a large area by combining its direct spraying mechanism with a massive squirrel cage blower powered by a 100-horsepower engine capable of generating 60,000 cubic feet of air per minute. This combined thrust gives the spray a downward rolling motion which keeps it close to the ground and eliminates much of the effect of prevailing wind currents.

Williams said that 300 acres would be a minimum size farm for practical use of the sprayer.

The sprayer can cover 60 acres per hour with insecticides, herbicides, water or other materials. Dr. Young indicated that Tech's animal husbandry and entomology departments were considering ways to use the machine while it is on loan to the College.

(more)

experimental Sprayer - add one

The sprayer can be elevated to clear crops up to 38 inches high. A compact control box mounted on the tractor gives the tractor operator full push-button control over the entire sprayer mechanism.

Dr. Young concluded, "We are very pleased to work with Myers on these tests. They will give us an opportunity to apply our test material at a very rapid rate and will also offer chances to try out a number of dessicants and defoliants on our crops."

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8-6-3

In addition to regular summer classes, Texas Tech will be hosting a number of institutes, workshops and short courses during the first summer session Friday (June 5) through July 11.

In the School of Arts and Sciences the annual Biology Teachers Institute will be Friday (June 5) through Aug. 6, sponsored by the National Science Foundation through a grant to Tech's biology department.

Scheduled Friday (June 5) through June 24, a workshop in teaching modern mathematics in the elementary school will be conducted by Tech's education department.

June 22-26 the education department will sponsor a school business services workshop under the direction of Berlie J. Fallon, professor of education at Tech.

Another annual event, the second-level Summer Language Institute for graduate students who are secondary school teachers of Spanish, will be held again in Tucuman, Argentina, June 20-Aug. 14.

Starting Sunday (June 7) with band auditions, the annual Tech Summer Music Camp will get underway for high school band, chorus and orchestra students June 8-19. June 22-July 3 will be sessions for junior high and elementary school band, and keyboard students of all ages; and July 6-17 will be the junior high and elementary school chorus and orchestra sessions.

A workshop for public school choral and instrumental music directors will also be held through June 24, with participants serving as instructors in the music camp.

In the School of Home Economics workshops are planned in Art: Education, June 8-12; color and design, June 29-July 17; Future Homemakers of America leadership for officers, June 15-19; home economics research methods, July 1-18; small hospital food service workers, June 8-18; professional dietitians, June 15-July 3; and the homemakers College July 6-10.

Two field trips, offered through the extension division at Tech, will be a European Theater tour today (June 4) through July 14, Speech 3313-3314, and a field course in Mexico City, for credit as Spanish for credit in 4328-4329 during the second summer session.

Texas Technological College
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Texas Tech came back to life Wednesday (June 3) as some 4,200 summer students started registration.

Some 300 entering freshmen and transfer students participated in orientation and tests Wednesday.

Registration for the first term, which ends July 11, will continue through Thursday (June 4) with signup-sessions from 8 a.m. to 12 noon and 1:30 to 5:30 p.m. Classes will begin Friday.

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11-6-2

Texas Technological College
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New concepts, materials and approaches to teaching mathematics in elementary school will be the object of a three-week workshop at Texas Tech beginning today (June 5).

More than 100 elementary teachers from throughout the area will attend weekday sessions from 9 a.m. to 3:30 p.m. through June 25 in the Tech Union Coronado Room.

Sponsored by Tech's education department, the workshop will include on its staff a visiting consultant, Dr. W. Robert Houston of Michigan State University.

Other staff members will be Dr. Joe W. Tidrow, associate professor of education at Tech; Dr. Olive Boone Wheeler, Tech associate professor of education; and Mrs. Mary Jane Shipley, Tech math instructor.

Dr. Houston, an associate professor in Michigan State's College of Education, has worked with several public school systems and with colleges in developing programs dealing with the new concepts in teaching mathematics.

He received his B.S. and M.Ed. degrees from North Texas State, and the Ed.D. degree from the University of Texas in 1961. He is the author of numerous articles and research reports and has co-authored several books on mathematics.

Dr. Houston is coordinator of a five-year teacher education experiment in Port Huron, Mich. He has taught in elementary schools and has been principal of schools in Midland. He was research associate at the University of Texas and served as television instructor and educational consultant for mathematics in-service education series in Austin, Dallas and San Antonio public schools.

Authorized graduate students eligible for provisional or professional certificates enrolled in the workshop will receive three hours college credit, Tidrow reported.

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FOR SUNDAY

Forty-two teachers and supervisors of Spanish will assemble in Buenos Aires, Argentina, to take part in the Summer Language Institute for Secondary School Teachers of Spanish which will be conducted by Texas Tech in that country for two months beginning June 20.

The participants were chosen by a selection committee from the 255 eligible teachers who applied for admission to the program.

Representing 20 different states and the Canal Zone, 4 of the selectees come from Texas; 4 from Illinois; 3 each from California, Colorado, Indiana, Michigan, Ohio and Pennsylvania; 2 from Iowa, Kansas, Minnesota and New Mexico; and 1 each from Massachusetts, Missouri, Nebraska, New Jersey, New York, Oklahoma, Washington, and the Canal Zone.

The Institute is conducted by the College in cooperation with the U.S. Office of Education. Its purpose is to upgrade the competence of practicing teachers of Spanish through intensive advanced training in an environment where Spanish is the native language, according to Alfred Strehli, Tech professor of foreign languages and director of the Institute.

All of the trainees, as a prerequisite to their selection, have had previous summer language institute training in this country under Office of Education auspices. During the summer, they will learn of the latest developments in teaching techniques and materials. They are also expected to increase their command of the spoken language and to become acquainted with all aspects of life in Argentina, Strehli said.

Although two long week-end excursions by bus are included in the program to illustrate the characteristics of the country between Buenos Aires and the northernmost city of Jujuy, the activities of the Institute will be centered in the city of San Miguel de Tucuman, the capital of the northern province of Tucuman.

(more)

There the teacher-students will be housed in private homes while they attend classes and make field investigations designed to acquaint them with all facets of the economic, political, and social life of the city.

A full-time staff of three instructors and a secretary will conduct classes and supervise field investigations during the course of the Institute.

Dr. Harley D. Oberhelman, head of the Tech department of foreign languages, will give classes in applied linguistics and advanced methodology. Mrs. Olivia Munoz, foreign language supervisor of the Houston Public Schools, will demonstrate teaching techniques.

Dr. Cleon Capsas, who has just completed a year as deputy director of the Peace Corps Training Center for Latin America in Albuquerque, will be in charge of field investigations. Mrs. Lawrence Graves, of Lubbock, is secretary of the Institute.

In addition to the full-time staff members, a number of Argentine professors will join in contributing to the program a special series of lectures on the history, economy and politics of the country. Other local professors and teachers will serve as guides and tutors to the participants as they carry out their field investigations in small groups.

The city of Tucuman has been host to two previous Texas Tech Summer Language Institutes, in 1962 and in 1963.

"On both previous occasions the visiting teachers were given the warmest of welcomes by their local hosts," Strehli reported. "Communications received in advance of this year's Institute indicate an even greater interest on the part of the citizens of Tucuman in receiving another group of visitors from the United States."

This will be the fourth consecutive summer program for teachers of Spanish to be offered by the College in cooperation with the Office of Education, the first being held on the Tech campus in 1961. Strehli also planned and directed the previous language institutes sponsored by Tech.

Texas Technological College
Department of Public Information
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Lubbock - Larry Land of Junction, F. Charles Baird of Seminole and Albert W. Sechrist of Lorenzo divided \$250 in prize money as the top three finalists in the Texas Concrete Masonry Structures Contest conducted by the Texas Tech agricultural engineering department.

The winners were named jointly by Dr. Willie Ulich, professor and head of agricultural engineering at Tech, and James A. Jones of Austin, executive vice president of the Concrete Masonry Association.

Land, who will serve as president of the Tech student chapter of the American Society of Agricultural Engineers during the 1964-65 school year, won the \$100 first prize in the contest by designing a concrete masonry farm shop and machine storage building.

Baird's design of a dairy milking parlor placed second in the contest. and earned him \$75. During his career at Tech, Baird has served one term as treasurer of the College ASAE chapter.

Third prize of \$75 was awarded to Sechrist for the design of a masonry farm home.

Texas Technological College
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As usual, Texas Tech set a new all-time record for first-term summer enrollment, with 5,180 students completing registration Thursday (June 4).

The old record of 5,169 was set last summer. Final and official count will be the enrollment on the fourth class day which is next Tuesday.

First term classes begin Friday. The term will end July 11.

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14-6-4

1964

FOR SUNDAY

Texas Tech's annual Summer Music Camp gets underway this week, with high school band auditions scheduled from 2 to 5 p.m. today (June 7) in the Tech Music Building.

High school choir students will enroll at 9 a.m. Monday (June 8), and high school orchestra students begin enrolling at 10:30 a.m. Monday.

More than 100 area high school students are expected for the two-week session, which gets into full swing Monday with a schedule of six hours of classes each day.

Conducting the camp will be Dean Killion of Tech, band; Gene Kenney of Tech, choir; and Paul Ellsworth of Tech, orchestra, along with guest conductor William A. Harrod of the Lubbock Symphony Orchestra.

Classes will be taught by area school teachers and the Tech music faculty. Classes will feature rhythm, class lessons, twirling, drum majoring, chamber music, madrigals, stage band, theory, music listening, private lessons, and rehearsals of the large ensembles.

At the conclusion of the intensive two-week training the band, choir and orchestra groups will join in an all-music camp concert at 7 p.m. June 19 in the Tech Union Ballroom.

Following the high school division, the Music Camp will open for the junior high and elementary school band students, as well as a new addition for this year--the keyboard division. This camp will be held from June 22-July 3. The keyboard session, open to students of all ages, will feature guest artist-lecturer Dr. Bela Nagy of Boston University.

The junior high and elementary school choir and orchestra groups will begin sessions July 6, lasting through July 17.

Keith McCarthy of the Tech music department reports that enrollments are currently being accepted for all sessions of the camp. Tuition is \$21 for each camp, except the elementary string division, which meets only a half day, at a tuition of \$11.

Texas Technological College
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A Texas Tech junior, Barry Corbin of Lubbock, is one of 20 student actors in the United States who have been awarded scholarships to the University of Colorado's seventh annual Colorado Shakespeare Festival.

Corbin will receive \$300 plus tuition and will study at the University for the summer, in addition to participating in the Festival Aug. 1-15.

Student actors selected come from 14 colleges and universities in the United States and Canada. Three plays--"As You Like It," "King John" and "Troilus and Cressida"--will be presented in repertory in the outdoor Mary Rippon Theater at the University during the Festival.

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17-6-5

Texas Technological College
Department of Public Information
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FOR SUNDAY

LUBBOCK-- A Texas Tech education professor has spent several weeks studying Pakistan, a "little country with big problems," and has returned to Tech with some definite observations and ideas on the country's education system.

Dr. Morris Wallace, professor and head of education at Tech, was a member of a 15-man commission that recently spent six weeks in Pakistan under the auspices of the U.S. State Department.

Dr. Wallace's appointment to the special commission came from the executive committee of the American Association of College Teachers of Education.

Purpose of the commission was to observe and study first-hand the educational organization, structure, program and support in Pakistan's national system of education, from kindergarten through the university level.

After participating in the tour, Dr. Wallace feels he has learned much of the education problems of the country, which currently has no compulsory education and suffers an illiteracy rate of 80 percent of the population over six years of age.

"In my judgement, resolving all of Pakistan's socio-economic -political problems will require at least a century," Dr. Wallace reported. "There are so many traditions, governmental and religious as well as social."

The government, however, has begun a long-range program for upgrading and improving the standard of living and the educational system.

Dr. Wallace found that education was in a state of transition, from the English classical system which has rejected vocational and practical education, to the American educational concepts. The government has set a goal of having compulsory education for all citizens by 1985.

(more)

Dr. Wallace add - 1

It actually began three years ago when the Pakistan government set up a commission to conduct a nationwide study of the education program and to make recommendations through the Pakistanian Ministry of Education for its improvement.

Dr. Wallace describes the subsequent recommendations as "really visionary." The government alone made the decision to accept these recommendations, which included the building of 7,000 primary schools, 500 junior high schools and 200 secondary schools within the next decade.

At the same time the government embarked on an extensive program to improve existing colleges and universities and to begin building new technical and vocational schools, which will resemble the junior colleges of the United States.

Despite these and other attempts to improve the country, Dr. Wallace believes that Pakistan has many obstacles to overcome, not the least of which is population and the geographical division of the country.

In the first place, East and West Pakistan are divided by 1100 miles across the northern part of their arch-enemy, India. Also, the country's total population is about 110 million people, making Pakistan the fifth largest in the world, in population.

West Pakistan, which is about the size of California, Oregon and Washington, has a population of 48 million people. East Pakistan, which is smaller than Louisiana, has a population of 55 million people.

To add to this basic problem, the average adult income is approximately \$93 annually.

"The soil is rich and the land will grow almost anything," Dr. Wallace said. "But there is no air conditioning, or refrigeration of any kind to keep vegetables or other perishables."

The climate is generally mild, but the temperature may reach a high of 130 degrees, with 98 percent humidity, in the hot month, July.

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The average farm is only 14 acres and implements are still very crude, although the farming methods are being improved;

Dr. Wallace reports that women in Pakistan are kept in a subordinate position, a tradition which will be difficult to change even though the country could utilize women as teachers and in other areas. There are few co-educational schools below the college level.

Children enter the first grade at five years of age if they go to school, but only 50 percent of them ever attend a school. Seventy-five percent of those who enter elementary school drop out before the fourth or fifth grade. This accounts for the illiteracy rate of 80 percent of those over six years old, and 90 percent for those over 30 years of age.

Dr. Wallace said that there is not a single elementary teacher preparation education program in all of Pakistan, and that there is also a problem in securing staff for colleges and the proposed vocational and technical institutes.

The Tech educator speculated that the country will utilize their foreign exchange students in this and other leadership capacities, adding that "one of the most outstanding of these students, Mufti Usmani, is currently a student in Tech's education department." Usmani plans to teach English at the University of Peshawar when he returns to Pakistan.

Dr. Wallace described the political and economic situation in Pakistan as being primarily concerned with establishing and preserving national unity. He said that the Pakistan people are striving to develop an intense nationalism, and share unquestioned loyalty to President Ayub. They are also strengthening emphasis on the military, and currently have a 200,000-man standing army.

"I was greatly impressed by the tremendous progress Pakistan has made in all phases of their educational, political, economic and cultural life since 1947 when the country became a nation," Dr. Wallace said. "This progress and their basic resourcefulness and innate intelligence and loyalty will serve them well during the critical years ahead as they seek to establish themselves as a member of the family of nations." --more--

Dr. Wallace---add 3

Dr. Wallace had high praise also for the Americans working in Pakistan in education, engineering and business.

"They are doing a tremendous job, as are the Peace Corps people," Dr. Wallace remarked. "Also, the Pakistan people are aware of and deeply grateful for the foreign aid that comes from the United States, though they sometimes have difficulty understanding why we also give aid to India."

Dr. Wallace added that they seemed satisfied with the answer that "we are willing to aid people everywhere who are enemies of Communism."

Dr. Wallace concluded that all of the commission members were impressed with the innate intelligence of the Pakistan people. Even among those in Pakistan who are illiterate there can be found those who are artistic or have technical skills, often self-taught.

Upon their return, the commission members submitted written reports to the State Department which will be used to help decide future planning on the international program for education with respect to Pakistan.

Dr. Wallace was one of four from the 15-member commission selected to write part of the report. The Tech educator reported on LaHore, the original cultural center in all of India, before partition in 1947. The University of Punjab is located in that city, along with one of the education institutes of higher education set up by the U.S. government.

"I am especially grateful to the Tech Board of Directors and Dr. Goodwin and the Administration for the opportunity to perform this service and have this kind of experience," Dr. Wallace said.

In addition to the educational experience, Dr. Wallace also got a lesson in the fact "that it is, indeed, a small world." He reported that on his second day in Dacca, in East Pakistan, he was called by an engineer whose son, Charles Young, was graduating from Tech in the Business Administration School this day!

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Sixty-five junior high and high school general science teachers are involved in the sixth annual Summer Biology Institute which started Friday (June 5) at Texas Tech.

The teachers come from cities in Illinois, Florida, New Mexico, Ohio, California, Oklahoma, West Virginia, South Dakota, Iowa, Arkansas, and North Carolina as well as Texas, according to Institute director Dr. Earl Camp.

Dr. Camp said that the Institute is aimed at enriching the biological subject matter background of the individuals involved. The nine-week Institute will earn each participant nine semester hours of college credit.

Ten Lubbockites are among the Institute participants. They include Prenis Williams, Arden L. Walker, Darrel E. Wall, Virgil W. Tate, A.C. Sanders Jr., Robert W. Moore, Donal G. Gilstrap, Eddie Glynn Bull, Patsy Ruth Brown, and Robert T. Arledge.

Two extensive field trips highlight this year's Institute. The first, a journey to the timberline near Taos, N.M., is scheduled for July 17-23. The cloud forests near Xilitla, Mexico, will be the destination for the second trip which begins July 28 and runs through August 6.

"Both trips will give the Institute participants an opportunity to study the flora and fauna of the tundra above the timberline, western coniferous forests, prairie and plains region, deserts, and subtropical forests," Dr. Camp added.

Dr. Paul V. Prior, Dr. Camp and Chester M. Rowell will direct the two extended field trips. All are biology faculty members at Tech.

Twelve courses in biology and zoology are offered for Institute participants. Dr. Camp indicated that all the participants were working toward masters of science degrees by attending the Institute.

The Institute is financed under a grant from the National Science Foundation. Thirty-five participants are attending their first sessions. This is the second year for the remaining 30.

Class work each day begins at 7:30 a.m. with a laboratory period scheduled from 9 a.m. until noon.

Mailing Schedule For

[illegible]

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

A Texas Tech graduate student, Glenn P. Patrick of Lubbock, is one of 55 American and foreign students awarded grants for summer study at the Indiana University Linguistics Institute, June 17-Aug. 13.

The grants were made by the American Council of Learned Societies for study at the Institute, which is sponsored by the Linguistics Society of America.

The Council reported that the awards are designed to attract into the study of linguistic science or to further the training of young scholars of competence; and to enhance the scientific training of language teachers, including those who teach English abroad as a foreign language.

-30-

1-6-8

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Dr. Gene Hemmle, head of the Texas Tech music department, will speak on "Isms in the Contemporary Arts," 12:15-1:30 p.m. Tuesday (June 9) in the Tech Union Blue Room.

Dr. Hemmle's talk will be the first in a series of lectures planned for the summer program by the Tech Union.

Other luncheon discussions will be held from 12:15-1:30 p.m. on Tuesdays throughout the summer, featuring Tech faculty members speaking on current issues, book reviews and panel discussions.

Upcoming programs include "America's Quarrel with the 20th Century," June 23, by Dr. Timothy Donovan, associate professor of history; "Liberal Religion," a panel discussion July 7; "The Feminine Mystique," a book review by Ray Janeway, Tech librarian, July 21.

Also, "The Poetry of Carl Sandburg," July 28, by Dr. Everett Gillis, head of the English department; "Modern Feudalism," Aug. 4, by Dr. Harry Walker, assistant professor of economics; and "Tenure and Turnover in the Texas Legislature," Aug. 11, by Dr. William E. Oden, associate professor of government.

Interested persons may sign up at the Union newstand and pay \$1 for the buffet style luncheons by 10 a.m. on the day of the lecture, according to Mrs. Karen Moore, program director.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Hospital food service workers from six area towns gathered at Texas Tech Monday (June 8) for the opening of a two-week workshop for employees of small hospitals.

The workshop, directed by Dr. Willa Vaughn Tinsley, dean of home economics, is planned to provide concentrated training for quality food service for workers in the small hospitals that have no trained dietitians.

Participants will take the course for two weeks, Monday (June 8) through June 18, or for either of the two weeks. Additional enrollment for the second week, June 13-18, is still open, according to Dr. Mina Lamb, professor and head of food and nutrition at Tech. Tuition and fees total \$20 for one week, or \$40 for residence halls occupants.

The workshop will feature demonstrations, group participation and field trips. Instructor for the classes is Mrs. Allene Vadin, Tech food and nutrition instructor.

Participants are from Lubbock, Midland, Odessa, Memphis, Tulsa and Littlefield.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR RELEASE NOON, OR AFTER JUNE 9.

Veteran mentor Vernon Hilliard will become the first full-time track coach in the history of Texas Tech on June 15, 1964 according to College athletic director Polk Robison.

In announcing Hilliard's appointment, Robison also said that Don Sparks would become the school's first full-time trainer. Sparks has been both track coach and trainer since he came to the College in 1958.

Hilliard, a native of Lockhart, comes to Tech from Wayland Baptist College in Plainview, where he was an aide to President Roy McClung, with responsibility for student employment and track coach.

The new Tech track head began his coaching career at Plainview High School as head football coach and athletic director. He later moved to Abilene High School in a similar capacity.

Hilliard was director of athletics and track coach at McMurry College in Abilene before becoming track coach at Hardin-Simmons University in 1958. He moved to Wayland in 1963.

The veteran coached high school state championship teams at Lockhart and Kerrville during his prep career and directed the McMurry athletic program to three Texas Conference football championships.

Hilliard looks upon his move to Tech as a "fine opportunity to build." He said that he has always been impressed with the great potential at the College.

The new coach praised Sparks and added, "I will rely heavily on Don's opinions regarding the track athletes we have here at Tech. He knows these young men real well and will be extremely valuable to me during this transition period."

Hilliard also said that he felt honored to become a part of Tech's progressively improving athletic program.

(more)

Coaching Staff Change - add one

Robison also heaped praise upon Sparks, saying, "He has served most capably in these dual capacities. We are happy that he can give full time to his chosen field as trainer at Tech."

Sparks delivered addresses on the duties of a trainer to high school coaching conferences in New Mexico, Texas and Arkansas last summer. He is on the program at the National Trainers Association convention now meeting at Stanford University in California.

"As Tech's first full-time track coach, Hilliard is proof that we want to give increased attention to track. Having a full-time track coach is something we have looked forward to for many years in enhancing our sports program," Robison continued.

The new Tech mentor has coached in all areas of sports during his career, although concentrating primarily on track in recent years.

He received a BBA degree from Baylor University in 1933 and a master of education degree from Hardin-Simmons in 1962.

Hilliard is married to the former Lillian Parr of Lockhart. They have two sons, Jimmy, an engineer with IBM in Austin, and Newton, a junior high school coach in Plainview.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Thirty-two persons from South Plains and West Texas towns began work Monday (June 8) in Texas Tech's art education workshop for teachers and other adults who work with elementary-age children.

Workshop participants will work with arts and crafts, such as clay, finger painting, wood and soap sculpture, tissue paper designs and painting, with emphasis on developing art experiences for children and youth.

Clarence Kincaid, professor of applied arts at Tech and workshop coordinator, will be assisted by Miss Mickey Fay Story, Tech applied arts instructor, and Mrs. Grace Smith, director of art education for the Houston public schools.

Classes will be conducted daily from 9 a.m. to 1:30 p.m. through Friday (June 12.)

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5-6-8

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Jeff Powell, a June, 1964, honor graduate from Oregon State University, has been named to fill a research fellowship at Texas Tech, according to Dr. Thadis W. Box, professor of range management.

Dr. Box added that Powell's research was made possible through a grant from the Rob and Bessie Welder Wildlife Foundation in Sinton.

At Oregon State, Powell was a member of Alpha Zeta, the national agricultural fraternity; Phi Kappa Phi, upperclassmen and graduate student honorary; and the student chapter of the American Society of Range Management.

Before going to Oregon State, Powell received a bachelor of science degree in chemistry from Southeastern Louisiana College, where he also was recipient of the T.H. Harris honor scholarship.

The new graduate research assistant brings a varied background to his position at Tech. He has worked as a geologist's assistant in Louisiana, as a herbarium assistant at Oregon State, as an ecological aide on a special Bureau of Land Management research problem in Oregon, and as a soil analysis assistant for the Oregon school.

While at Texas Tech, the native of Hammond, La., will work toward a master of science degree and do research work at the Welder Wildlife Foundation. His work, in the area of the effect of brush control on game populations will be under the direction of Dr. Box.

The Welder Foundation is a private research foundation located in the Corpus Christi vicinity. Each summer, as many as 10 graduate students from five or more colleges and universities work on ecological and management problems on the Foundation's 8,000-acre range area.

Dr. Box currently has two graduate students working on range-game problems under a cooperative research agreement with the Welder Foundation.

CAPTION

'FESSERS TURNED FRY-COOK - Texas Tech's Agriculture School faculty members donned white coats and whipped up a hearty breakfast of eggs, bacon and all the trimmings recently as a traditional send-off for the School's 175 graduating seniors. Carrying out this tradition, one of Tech's oldest and tastiest, are (left to right) Dr. Walter B. Rogers; John Hunter; Dr. Ralph M. Durham, head of animal husbandry; Dr. Frank Hudson; and Dr. Lewis Eggenberger. (Texas Tech Photo)

"Most resourceful artists have refused to become adherents to only one theory, but rather have continually searched for freedom of ideas, wherever they may be found," Dr. Gene Hemmle, Texas Tech music head, told an audience in the Tech Union Tuesday (June 9.)

Speaking on "Isms in the Contemporary Arts," Dr. Hemmle was the first speaker in a series of lecture-luncheons scheduled for the Tech Union summer program.

Dr. Hemmle outlined the various movements in contemporary arts, pointing out that "comparing the fine arts is not an easy thing to do."

"20th Century man encounters an 'ism' of one sort or another in almost all areas of life," Dr. Hemmle said. "In modern times man fights his wars not over things, but over ideas, as expressed by isms."

The Tech music professor described the arts as being "forms of action," adding that artists formulate their own 'isms', such as realism, naturalism, impressionism, etc.

"Some of these 'isms,' will last," he added, "while others soon become 'wasms'."

Dr. Hemmle detailed two 'isms' in the arts, expressionism and constructivism.

He defined expressionism as that art form concerned with the subjective viewpoint, an emotional involvement in the aesthetic process. He added that expressionism explores the psychological and emotional states of the artists' experiences.

On the other hand, constructivism is concerned with the objective approach, logical and analytical, and allied with engineering. Constructivism includes cubism, futurism and the mechanical style.

Dr. Hemmle said that the two are not mutually exclusive and that certain artists could not be easily classified in either area.

(more)

Dr. Hemmle lecture -- add 1

Dr. Hemmle cited the electronic music movement as an example of constructivism in music. He cited the innovation as "not intending to do away with past forms, but rather adding a new dimension to existing forms."

The Tech educator gave examples of contemporary techniques in music, painting, writing, sculpting, and architecture, pointing out that "the organized art movements are always too busy promoting 'doctrines' to be concerned with innovations."

"In dealing with any of the fine arts, the artist's honest convictions must be taken into consideration," Dr. Hemmle said.

"20th Century problems are really variations on old themes that have always bothered men," he concluded. "These problems have always been expressed in 'dissonances' in the arts."

The next scheduled luncheon-lecture will be presented in the Tech Union June 23, when Dr. Timothy Donovan of the history department talks on "America's Quarrel With The 20th Century."

-30-

7-6-9

LUBBOCK -- Concentrated rehearsals and music classes are underway in Texas Tech's annual Summer Music Camp for high school musicians.

A concert by the participants will climax the two-week session at 7 p.m. June 19 in the Tech Union Ballroom. The conductors will be Dean Killion, band; Gene Kenney, choir; and Paul Ellsworth, orchestra. Guest conductor for the orchestra will be the founder-conductor of the Lubbock Symphony, William A. Harrod.

The Junior High and Elementary school band division and the new Keyboard division, for students of all ages, is now open for registration. The division is scheduled from June 22-July 3.

The junior high and elementary choir and string division camp, July 6-17, is now open for registration. Tuition for each camp is \$21. The elementary string division, meeting daily on a half day basis has a tuition of \$11.

The teaching staff for the sessions include the Texas Tech music faculty and the following area school teachers: Ronald Wells, Wells Teague, Paul Branom, Rex Shelton, Orland Butler, Barbara Sperberg, Vicki Keene, Charles Barton, Jim Swofford, Jo Anne Needles and George Robinson, all of Lubbock; Bill Woods, Levelland; Everett Maxwell, Abernathy; J.W. King, Hale Center; Kathy Phillips, Muleshoe; Jerry Bartley, Lamesa; Dwight Pounds, Odessa.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Two Texas Tech geosciences department faculty members have received a \$24,474 grant from the National Aeronautics and Space Administration to finance studies on cosmic dust particles.

Dr. F. Alton Wade, professor of geosciences, is the principal investigator on the project. Dr. Thomas E. Bridge, an assistant professor of geosciences, will be a co-investigator.

"Cosmic dust collectors designed by Dr. C.L. Hemenway, director of the Dudley Observatory, Albany, N.Y., will be sent to space in crafts during several Gemini flights," Dr. Wade explained. "They will be attached to the outer skin of the crafts by astronauts after they go into orbit and later removed to the interior of the capsule before re-entry."

These will be the first pure samples of cosmic dust according to the Tech geoscientist. When the spacecraft returns to earth, a portion of the dust collected will be sent to Tech for observation and analysis.

Dr. Wade added that these pure samples will enable true standards of comparison of terrestrial and cosmic dust particles to be established.

"The cosmic influx of dust particles larger than five microns on the earth's surface is presently estimated to be of the order of more than 10 million tons each year. The new data gained from these comparison studies will either substantiate or revise this figure," Dr. Wade said.

The Tech geoscientist added that extraterrestrial dust is continually falling on the surface of the earth, and has been throughout geologic time. The value of these new studies will be to establish true characteristics of this extraterrestrial dust.

"Once true standards of comparison are available, scientists will be able to determine which of those particles collected on earth are of probable extraterrestrial origin," he said.

(more)

Although the original grant to Tech will be for one year, Dr. Wade indicated that NASA anticipates the project to be a continuing one in the future.

As part of this program, Dr. Wade and his colleagues will collect dust particles during an extended trip to Antarctica which will begin in October.

"We anticipate that this program will eventually include collection and analysis of dust particles from the moon during Project Apollo," Dr. Wade added. "Our methods of handling and analysis will have been perfected and improved by that time and a maximum amount of information should be obtained."

Dr. Wade thinks that the first samples of extraterrestrial dust particles obtained by orbiting astronauts will be available early in 1966.

Prior to this date, the two Tech geoscientists will carry out preliminary research to develop procedures and techniques for studying the surface features and shapes and for determining the dimensions of the particles.

"We also plan to develop techniques for photographing the enlarged images of particles and perfect methods of analysis including work with electron probe equipment located at the NASA Manned Space Center in Houston," Dr. Wade said.

FOR SUNDAY

The Texas Tech Union has planned a diversified summer program which will include everything from Western classics to discussion groups, and comedy to "culture."

The Western Classics Film Festival will include a week of the classic "horse operas"--or "adult Westerns"--June 14-19 at 4 p.m. and 8 p.m. daily in the new University Theater. Admission will be 25 cents a person for each performance.

"The Great Train Robbery" and "Saga of William S. Hart" will be shown today (June 14). Monday (June 15) "Stagecoach" will be shown; Tuesday (June 16), "Broken Arrow;" Wednesday (June 17), "Shane;" Thursday (June 18), "High Noon;" and Friday (June 19), "Duel in the Sun."

Mrs. Karen Moore, Union program director, has announced that the ever-popular Kaleidoscope Players will be back again this year with a group that has been amplified from three to four persons to include a folksinger.

The Players, now entering their fifth year of touring, will present "The World of Carl Sandburg," not as a reading but as a stage presentation similar to "Under the Milk Wood" which they presented last year.

"The World of Carl Sandburg," an adaptation by Norman Worwin from the writings of Sandburg, was originally toured and presented on Broadway as a staged reading by Bette Davis and a succession of leading actors including Gary Merrill, Barry Sullivan and Leif Ericson.

The Players will appear at Tech on the evening of July 29, making the third year they have come to the campus on the Union's summer program.

The following week, a Comedy Classics Festival will be presented Aug. 2-8. The comedy schedule includes "When Comedy Was King," "Chaplin Program," "A Night at the Opera," "The Bank Dick," "The Importance of Being Ernest," "Man in a Raincoat," and "My Uncle."
(more)

Union summer program ---add 1

On the intellectual side, luncheon discussions will continue through the summer, following Dr. Gene Hemmle's Tuesday (June 9) presentation of "Isms in the Contemporary Arts."

Upcoming luncheon sessions include "America's Quarrel With the 20th Century," June 23; "Liberal Religion," a panel discussion, July 7; "The Feminine Mystique," a book review, July 21; "The Poetry of Carl Sandburg," July 28; "Modern Feudalism," Aug. 4; and "Tenure and Turnover in the Texas Legislature," Aug. 11.

Interested persons may attend by signing up at the Union Newstand by 10 a.m. on the day of the lecture, at a cost of \$1 for the lunch, which will be served buffet-style in the Tech Union Blue Room.

The Union also has planned a series of Saturday night dances June 20, July 3, July 18 and Aug. 1, featuring combos such as The Sparkles, the Nite Owls, The Raiders and The Continentals.

Exhibits for June will include painting, sculpture and crafts by the Tech applied arts staff. In July the Union will exhibit selections from the West Texas Museum Association collections, showing scientific, historic and art objects.

In August the architecture and allied arts department will present the work of faculty and students in the summer program, including oils, watercolors, drawings, paintings, sculpture, illustrations, advertising arts and architecture problems.

The regular Union movies will also be shown throughout the summer at 4 p.m. and 8 p.m. on Fridays. They include "The Lady Killers," "For Whom the Bell Tolls," "The Grass Is Greener" and "Great Expectations."

FOR SUNDAY

LUBBOCK--- "How can $2 + 3 = 4$?"

It sounds like a "trick" question or a riddle; but in fact it is a part of a revolutionary new concept in mathematics--and, believe it or not, it makes sense!

At least, that's the opinion of an ever-increasing number of educators and administrators, parents and students who come in contact with the new approach to updating and teaching that "old drudge," arithmetic.

Much maligned in the past, arithmetic is taking on a "new look" now, and concerted efforts are being made to incorporate the advances into elementary, junior high and high school curricula.

All over the United States mathematics teachers are attending classes and workshops, such as the one currently in progress at Texas Tech.

At Tech, more than 100 elementary school teachers and principals have gathered to attend daily sessions, from 9 a.m. to 3:30 p.m., for three weeks.

Sponsored by the Tech education department, the workshop is utilizing a visiting consultant and specialist in the field, Dr. W. Robert Houston of Michigan State University, in presenting the accelerated course.

Working with Dr. Houston in the workshop are Dr. Joe Tidrow, associate professor of education at Tech and workshop director; Dr. Olive Boone Wheeler, associate professor of education at Tech; and Mrs. Mary Jane Shipley, Tech mathematics instructor.

Dr. Houston serves as a consultant for the workshop; Mrs. Shipley is the mathematician; Dr. Wheeler works in the area of materials; and Dr. Tidrow is concerned with learning theory.

Some have come from as far away as Kansas to find a workshop teaching the new concepts. Others have come as a team, including superintendent, principals and elementary teachers, such as a group from Plainview.

(more)

Some of them have used modern math, most have not. But all have come eagerly to learn more of this new concept and the materials and approaches used in teaching it.

"The mathematics program of today is in a state of flux," Dr. Houston pointed out. "At no other time in history has a subject undergone such revolutionary changes over such a short time."

Dr. Houston added that more math has been discovered by persons still living today, than by all who have gone before in history.

"Until recently, a student could study for 14 years and never know what the subject was about, nor study anything that had been discovered in the last 150 years."

He continued, "Most people ask, 'what is this modern mathematics?' 'Is it really superior to the brand now taught?' 'If so, how is it better?'"

"These are the questions being asked by thoughtful educators and parents; and these are the questions being asked by these West Texas educators who are expending concentrated efforts at the Tech workshop."

Dr. Houston pointed out that the traditional elementary school program is basically limited only to arithmetic. In the newer programs the curriculum includes elements of geometry, measurement, symbolic logic and algebra.

First graders, for example, are discovering the commutative property and generalizing that " $a + b = b + a$." How is it done?

"The child is asked to solve a series of equations, or in modern math language, 'number sentences'," Dr. Houston explained. "He finds sense for $6 + 3$, and $3 + 6$; for $1 + 4$ and $4 + 1$, then is asked to verbalize a generalization about the exercise."

"He may informally note something like, 'it makes no difference which number comes first, the answer is the same.' Later a more formal algebraic statement may be made."

(more)

This simple notion which is a basic property of arithmetic is then utilized throughout the mathematics program and on into college math. It is a basis for learning "number facts," for generalizing about multiplication and discovering certain ideas of number theory in college.

"So, the commutative property, learned first in the first grade, is useful in more and more sophisticated mathematical areas," he said.

The traditional way of teaching mathematics has been basically a computational method, memorizing facts, rather than the "why", and has been primarily concerned with arithmetic.

But Dr. Houston believes there must be more to math than arithmetic; and that teaching it must be not only methodological but also philosophical: "not just what can we teach with the new approach, but also what should we teach."

"In modern math we show broad patterns instead of little pieces," Dr. Houston continued. "We have a few big ideas taught and applied in many different ways."

Discussing the "language" of mathematics, Dr. Houston said, "A piece of chalk in the classroom can be described as cylindrical, white, powdery, etc., and its quantitative properties can be described through the use of the mathematical symbols 'one' and '1'."

"Many of us have little difficulty recognizing the distinction between the word "chalk" and a real piece of chalk. However, we sometimes think that the characteristics of the number 'seven' are a part of the symbol '7'."

"This symbol '7' only represents a number idea for 'seven-ness'. Schools today expend considerable effort through instructional aids and other devices to help children to understand the meaning of such number symbols as '7' in the first grade, one million, in the fourth grade, and $x^2 - 2xy - y^2$ in the eighth grade."

(more)

Describing the "set" theory being used in the newer programs in modern mathematics, Dr. Houston said, "A set is defined as a group of objects, symbols or things with a common characteristic. Thus, a set might include all of the boys in a classroom. Also the people reading this article form a set; the whole numbers form a set. We can define a set to be simply a set of abstract symbols."

"If each and every member of one set can be paired with a member of another set in a one-to-one correspondence, without any members of either set being left over, then we can say they contain the same number."

All of which goes back to the original statement, " $2 + 3 = 4$," which Dr. Houston shows can be true:

"The reader's first reaction is 'no'! Such an answer does not fit what we know about number facts. But let's re-examine the statement in the light of set theory."

"Set A is composed of all mothers on a particular block in Lubbock who belong to the elementary school P-TA. They are Mary and Jane. On the same block are three mothers who belong to the junior high school P-TA. These, Sally, Joan and Mary, we shall call Set B."

"The sum of Set A and Set B, 2 3, is 4. Why? One mother belongs to both the elementary school and junior high P-TA, so she is a member of both Set A and Set B."

He continued, "A basic notion of addition, which most of us neglect, is that we are dealing with disjoint sets. In the above example the two sets A and B are joined at Mary."

The set theory lays a basic foundation in the first grade for more sophisticated problems in logic later on in advanced math.

"Complicated problems are not a part of the first grade curriculum, but the basic notions are laid and built on so that children can learn logical modes of thought," Dr. Houston explained.

Dr. Houston and the modern math proponents further believe that the new concepts introduce "newness" to the students--and that youngsters thrive on newness. (more)

They consider the new approach to be more evolutionary than revolutionary. Some experimental programs were beginning by 1958, but many individuals had been working with the new concept years earlier.

Dr. Houston cited the School Mathematics Study Group as one of the fairly extensive experimental groups. The SMSG, headquartered at Stanford University, is supported by the National Science Foundation.

"During the last three or four years, support for the new movement has accelerated rapidly," he continued. "More experimental groups and a large number of commercial writing endeavors are currently in progress."

"In many areas even parents have attended classes in modern math. Many school systems throughout the country are using a modern math program."

During the next 12 months the State textbook selection committee will select the books from which the Texas school systems choose a mathematics text. At this time, every public school in Texas will have the opportunity to begin using the new math program in the elementary classrooms.

"There are those who will support it just because it's new, and others who will oppose it just because it's change," Dr. Houston concluded. "But all who have worked with it and understand it agree that the new approach has a future in the field of mathematics."

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR SUNDAY

The vanguard of more than 700 delegates begin arriving in Lubbock today (June 14) for the Future Homemakers of America officers leadership workshop at Texas Tech.

Area I officers will begin arriving today in preparation for the Monday (June 15) executive meeting of all incoming and outgoing officers. The committee will plan the next area meeting, to be held next spring.

By Tuesday (June 16) more than 700 officers and advisors will be on campus for the workshop. 95 FHA chapters will be represented at the workshop.

"FHA ...Geared to Future Leadership" is the theme of the Tech workshop.

Principal workshop resources will include Herman Williams, education director of the Second Baptist Church in Lubbock, and Mrs. Bess Rothman, nationally known lecturer, teacher and consultant on charm, fashion and self-improvement.

The Tech workshop is designed to acquaint officers with the detailed jobs of their office; point out ways in which officers can improve leadership abilities; enable officers to assume leadership responsibility with greater satisfaction; provide an opportunity for an exchange of ideas with other chapter officers; and furnish experience in college campus living.

FHA advisors have the opportunity to receive one semester hour of graduate credit for the workshop, and also to learn to guide FHA members in developing their potential, and interpret the functions of the FHA organization.

Registration will be held from 8 a.m. to 9:45 a.m. Tuesday (June 16), with the first general session scheduled at 10 a.m. in the Tech Union Ballroom.

(More)

FHA workshop add 1

Kathy Boston, outgoing Area I president, will preside and Dr. Willa Vaughan Tinsley, dean of Home Economics at Tech, will welcome delegates.

"Leaders Work WITH People" will be the topic of the keynote address by Williams. Nancy Hicks, State FHA president, will present "a look ahead" in FHA.

Workshop sessions and tours of Tech's Home Economics Building, Library and Museum will occupy the remainder of the day until the second general session at 6:30 p.m.

Kathy Marriott, Area I incoming president, will preside. Mrs. Rothman will speak on "Is Your Image the Real You?" Mrs. Rothman is fashion consultant with the Neutrogena Corporation, Los Angeles, Calif.

On Wednesday (June 17) the third general session begins at 8 a.m. with Miss Susie Crutcher of Lubbock, incoming Area I first vice president, presiding.

"The Place of Charm in a Girl's Life" will be the topic of Mrs. Rothman's talk. Williams will speak on "Leadership in Action."

Small group work sessions and large group assemblies will be held throughout the day Wednesday.

The fourth and final general session will begin at 8 a.m. Thursday (June 18) with Trisha Miller, outgoing Area I second vice president, presiding.

"The Excitement of Being a Girl" will be the topic of Mrs. Wildring Edwards, assistant professor in home and family life at Tech.

A group of Tech home economics majors will discuss "Is A Home Economics College Major in Your Future?"

Reports from group leaders will follow the Tech group's presentation. Delegates will meet with advisors from 10:15 a.m. to 11 a.m., then have a final luncheon in the assigned residence halls before the checkout deadline of 2 p.m.

(m ore)

Serving on the workshop planning committee have been Dean Tinsley; Dr. L. Ann Buntin, head of home economics education at Tech; Miss Marie Carano, Tech home economics instructor and FHA Workshop Director; Mrs. Marjorie Mitchell, coordinator of home and family life education for the Lubbock Public Schools; and Mrs. Ima Dora Haile, Area I consultant for homemaking education.

-30-

13 -6-12

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR MONDAY

Future Homemakers of America Area I officers will meet today (June 15) in executive session, in advance of the FHA officers leadership workshop beginning Tuesday (June 16) at Texas Tech.

More than 700 delegates will arrive today and Tuesday for the workshop for officers of 95 FHA chapters in Area I and parts of Area 2 and 4. Area I includes all Panhandle and South Plains chapters.

"FHA...Geared to Future Leadership" is the theme of the Tech workshop, designed to acquaint officers with the detailed jobs of their office, point out ways to improve leadership abilities and provide an opportunity for an exchange of ideas with other chapter officers.

Serving on the workshop planning committee have been Dr. Willa Vaughn Tinsley, dean of Home Economics at Tech; Dr. L. Ann Buntin, head of Tech's home economics education; Miss Marie Carano, Tech home economics instructor and FHA Workshop director; Mrs. Marjorie Mitchell, coordinator of home and family life education for the Lubbock Public Schools; and Mrs. Ima Dora Haile, Area I consultant for homemaking education.

Principal workshop resources will be Herman Williams, education director of Lubbock's Second Baptist Church, and Mrs. Bess Rothman, fashion consultant with the Neutrogena Corporation of Los Angeles, Calif.

A nationally known lecturer, teacher and consultant on charm, fashion and self-improvement, Mrs. Rothman attended Texas Woman's University, where she majored in costume design before entering the retail field.

She has been fashion coordinator and bridal buyer for Liberty House in Honolulu and was head of the public relations sales training and publicity departments of the six Dallas Volk Brothers stores.

Mrs. Rothman created and coordinated the premier cotton show for the South Plains Cotton Association and Tech. In collaboration with the National Cotton Council and Vogue Magazine in New York, she aided in coordinating the designs and fabrics and training the models.

(more)

She has been a judge for the National Cotton Show and conducted special fashion promotions and sales training for Stevens Stores in Chicago.

Williams came to Lubbock in 1962 from a post as minister of education at the First Baptist Church in Austin. He was graduated cum laude in 1955 from Furman University with a B.A. degree in philosophy.

Williams continued his schooling at Southeastern Seminary, receiving the bachelor of divinity degree in 1959 and the master of theology degree in 1961.

Williams was minister of music and education at the Carrboro Baptist Church in North Carolina from 1956 to 1961. He has also been a staff member at South Carolina Royal Ambassador Camp during three summers.

Born in New Philadelphia, Ohio, Williams received his early schooling in Charleston, S.C.

One of the few church education directors with a master's degree in theology, Williams' electives included the study of Greek and the New Testament at Southeastern. His master's thesis was "A Study of the Inter-related Roles of Church and Home in Christian Education." From 1959 to 1961, he served as a fellow to Professor Garland Hendricks of Southeastern's department of church administration.

FOR MONDAY

Future Homemakers of America Area I officers will meet today (June 15) in executive session, in advance of the FHA officers leadership workshop beginning Tuesday (June 16) at Texas Tech.

More than 700 delegates will arrive today and Tuesday for the workshop for officers of 95 FHA chapters in Area I and parts of Area 2 and 4. Area I includes all Panhandle and South Plains chapters.

"FHA...Geared to Future Leadership" is the theme of the Tech workshop, designed to acquaint officers with the detailed jobs of their office, point out ways to improve leadership abilities and provide an opportunity for an exchange of ideas with other chapter officers.

Serving on the workshop planning committee have been Dr. Willa Vaughn Tinsley, dean of Home Economics at Tech; Dr. L. Ann Buntin, head of Tech's home economics education; Miss Marie Carano, Tech home economics instructor and FHA Workshop director; Mrs. Marjorie Mitchell, coordinator of home and family life education for the Lubbock Public Schools; and Mrs. Ima Dora Haile, Area I consultant for homemaking education.

Principal workshop resources will be Herman Williams, education director of Lubbock's Second Baptist Church, and Mrs. Bess Rothman, fashion consultant with the Neutrogena Corporation of Los Angeles, Calif.

A nationally known lecturer, teacher and consultant on charm, fashion and self-improvement, Mrs. Rothman attended Texas Woman's University, where she majored in costume design before entering the retail field.

She has been fashion coordinator and bridal buyer for Liberty House in Honolulu and was head of the public relations sales training and publicity departments of the six Dallas Volk Brothers stores.

Mrs. Rothman created and coordinated the premier cotton show for the South Plains Cotton Association and Tech. In collaboration with the National Cotton Council and Vogue Magazine in New York, she aided in coordinating the designs and fabrics and training the models.

(more)

She has been a judge for the National Cotton Show and conducted special fashion promotions and sales training for Stevens Stores in Chicago.

Williams came to Lubbock in 1962 from a post as minister of education at the First Baptist Church in Austin. He was graduated cum laude in 1955 from Furman University with a B.A. degree in philosophy.

Williams continued his schooling at Southeastern Seminary, receiving the bachelor of divinity degree in 1959 and the master of theology degree in 1961.

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FOR SUNDAY

The first annual Pest Control Operators Short Course will have a two day run at Texas Tech Thursday and Friday (June 18, 19) according to Dr. Donald Ashdown, professor of entomology.

The course, open to pest control operators across the Southwest, begins at 1 p.m. Thursday with a welcome by Dr. J. Wayland Bennett, associate dean of agriculture. This greeting will be followed by a welcome and general announcements speech by officers of the Texas Pest Control Operators Association.

Dr. R.W. Strandtmann, professor of biology at Tech, will deliver the first technical address of the afternoon on "Ticks and Mites of Local Importance."

This address will be followed by one on "Ants and Their Control" by Dr. Stuart Race, faculty member at New Mexico State University in Las Cruces, N.M.

Dr. Ellis W. Huddleston, assistant professor of entomology at Tech, heads the speakers' list Friday morning with an address on "Flies, Mosquitoes and Their Control."

Lubbock physician Dr. Pat H. Pappas follows Dr. Huddleston. His topic is "What the Physician Needs to Know About a Poison Victim."

"Multiple Use of Equipment for Herbicides, Insecticides and Indoor Applications" is the title of the next speech, which will be given by Charles Forehand, a graduate research assistant in entomology at Tech.

-more-

Pest Control Short Course - add one

At noon Friday, short course participants will gather for lunch in the Tech Union. Following this luncheon, Dr. Walter Breedlove, of the Lubbock City-County Health Unit, will discuss health ordinances and municipal controls in pest control.

Archie Dwyer of Estes Chemical Company and Dr. Ashdown are the final speakers on Friday's agenda. Dwyer will discuss weed control on local premises.

"Lawn, Garden and Ornamental Shrubs Pests and Their Control" is Dr. Ashdown's topic.

-30-

15-6-13

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR SUNDAY

Allan Wallace's 1680-acre combination ranch and shooting resort near Acuff became a sprawling laboratory for 17 Texas Tech range management seniors during this spring.

Dr. Joseph L. Schuster, assistant professor of range management, arranged for his students to use the Wallace spread in Yellowhouse Canyon to put into practice all the things they had learned during the undergraduate studies at Tech.

The Tech range management specialist commented, "This was the first time that a Lubbock rancher completely turned his facilities over to the College for student use. The location was right in that it was within easy driving distance of the campus in Lubbock."

"The students received invaluable practical experience from this project," Dr. Schuster said. "They mapped vegetation, water, and improvements, suggested the types of cattle which might be grazed most economically, designed grazing systems, and developed a general management plan for the ranch."

The Wallace ranch was ideal, according to Dr. Schuster, because it featured both range and recreational areas.

"Wallace turned his ranch over to the Tech students," the Tech range management staff member said. After making detailed individual studies, each student made his own recommendations and plotted them on a color aerial photo of the ranch.

-more-

Range Management - add one

Dr. Schuster indicated that Wallace would receive a copy of the plan of his choice.

"This is one of the best ways our boys can learn, by using an actual working ranch as a laboratory," Dr. Schuster said. "We are very grateful to Mr. Wallace for his complete cooperation."

-30-

16-6-13

Mailing Schedule For

[illegible]

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

STILLWATER, OKLA.--Jimmy H. Smith, an instructor in the Texas Tech civil engineering department, is one of 40 college civil engineering educators from throughout the United States and eight foreign countries currently attending the annual institute in structural engineering at Oklahoma State University here.

Expenses for the engineering teachers attending the nine-week institute are being financed under a \$60,200 grant from the National Science Foundation.

Purpose of the institute, which runs through Aug. 7, is to improve the competence of the teachers in structural analysis and foundation engineering.

Material to be presented includes classical methods in structural analysis, numerical methods in structural analysis, plate and shell structures, and foundation engineering.

Smith joined the Texas Tech civil engineering faculty in 1963. He received his bachelor of science degree in 1962 and his master of science degree in 1963 from Tech.

NORFOLK, VA.-- Two Texas Tech civil engineering graduates have been commissioned as ensigns in the Coast and Geodetic Survey, a branch of the Department of Commerce.

Walter S. Simmons of Floydada and Ellis G. Campbell of 10034 Lake Gardens Dr., Dallas, were commissioned at graduation ceremonies for the 14th Officers' Training Class at the Survey's Atlantic Ships Base here.

The Floydada native received his bachelor of science degree in civil engineering earlier this year. Campbell was a 1963 Tech graduate.

Simmons' first assignment will be aboard the C&GS ship "Pathfinder". Campbell will be assigned to either the "Wainwright" or the "Hilgard", both wire drag ships.

The Coast and Geodetic Survey, founded in 1807, is the nation's oldest scientific body and chief civilian oceanographic agency.

As such the Survey oversees the operation of a worldwide network of seismographs which, when completed, will include 125 stations in 63 countries. The agency also provides geodetic, geophysical, photogrametric and cartographic data for charting, scientific and defense purposes.

Also included within the scope of C&GS duties are the production and distribution of more than 28 million aeronautical and nautical charts annually.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Addresses by Los Angeles, Calif., fashion consultant and a Lubbock minister highlight the first day of a four-day Future Homemakers of America officers leadership workshop which begins Tuesday morning (June 16) at Texas Tech.

Area I officers and advisors will begin registering at 8 a.m. in the Home Economics Building. Before registration has ended, workshop officials expect that more than 700 key personnel from 95 FHA chapters will have signed in.

"Leaders Work WITH People" is the topic of the workshop's keynote address by Herman Williams, educational director of Lubbock's Second Baptist Church.

Williams' speech will be during the first general session at 10 a.m. in the Union ballroom.

Mrs. Less Rothman, a nationally known lecturer, teacher and consultant on charm, fashion and self-improvement from Los Angeles, will deliver the first of two talks to workshop delegates at 6:30 p.m. Tuesday. Her speech, entitled, "Is Your Image the Real You ?", will be during the second general session in the ballroom of the Tech Student Union. Mrs. Rothman is associated with the Neutrogena Corporation.

Both Mrs. Rothman and Williams will make second talks on Wednesday (June 17). Mrs. Rothman's Wednesday address is entitled "The Place of Charm in a Girl's Life." Williams will discuss "Leadership in Action."

The workshop's general theme is "FHA... Geared to Future Leadership." It is designed to acquaint officers with the detailed jobs of their positions; point out ways in which officers can improve leadership responsibility with greater satisfaction; provide an opportunity for an exchange of ideas with other chapter officers; and furnish experience in college campus living.

(more)

FHA Workshop.....add one

FHA advisors may receive one semester hour of graduate credit for the workshop. They also will have the opportunity to guide FHA members in developing their potential, and interpret the functions of the FHA organization.

Tech home economics Dean Willa Vaughan Tinsley will officially welcome the delegates during the first session Tuesday morning. After the Tuesday morning general session, delegates will be involved with smaller workshop sessions and tours of the College Home Economics Building., Library and Museum.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Three Lubbock women and one man are among 11 graduate students who attended first classes Monday of the Workshop for Professional Dietitians at Texas Tech.

The course, which runs through July 3, explores recent developments in concepts of normal and abnormal nutrition treated by dietary modification.

Workshop participants may receive three hours of graduate credit on completing the course.

"The rapid changes in food and nutrition make refresher courses similar to this workshop a near necessity for professional dietitians," Dr. Mina Lamb, professor and head of food and nutrition at Tech and director of the workshop, said.

Dr. Jerry Rivers, a Tech graduate who is now an assistant professor of nutrition at Cornell University, will be guest lecturer during the second week of the workshop, June 22-26.

Dr. Rivers is the first visiting lecturer in food and nutrition to appear at this workshop, according to Dr. Lamb. The workshop director added that Lubbock area professional dietitians are invited to enroll for the lectures by Dr. Rivers and receive one semester hour of graduate credit.

Graduate students taking the entire three weeks of instruction include Robert Reeves, Mrs. Reuby Tom Maeker, Mrs. Erie Etta Williams, and Mrs. Myrtis C. Thompson of Lubbock, and Misses Lucy Burrus of Mountain Home, Tex., Sue Thompson of Howe, Elizabeth Burwell of Stephenville, Ellen Latta of Groom, and Margaret Skousen of Van Horn.

Also, Mrs. Sherrell B. Foree of Snyder and Mrs. Mary Ann Wright of Jacksonville, Fla.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK -- Poised fashion consultant Mrs. Bess Rothman of California stressed self-evaluation in her Tuesday (June 16) evening informal address to the more than 500 delegates attending the Future Homemakers Association officers' leadership workshop at Texas Tech.

In her address entitled "Is Your Image The Real You?", Mrs. Rothman said, "How tall or short you are and your measurements are not as important as having good posture and being able to stand and sit gracefully."

The tanned, transplanted Texan borrowed a quote from noted scientist Madam Currie to drive her point home.

"What you look like at 16 is what God gave you. What you look like at 60 is what you deserve.

"A love of life and zest for living constantly reflect through your voice, eyes, posture and attitude and can make you into a warm, friendly person that people like to be around or an individual that no one wants anything to do with," she said.

Mrs. Rothman, originally from Waco, kept her youthful audience laughing from the start of the informal Tuesday evening session. After her talk, she answered questions and gave advice to members of the audience.

During the first general assembly Tuesday morning, Herman Williams, director of education at Lubbock's Second Baptist Church, admonished the delegates to "decide what kind of leader you will be."

He defined various leadership characteristics and then recommended that the delegates, as leaders of their various FHA chapters, lead their groups in such a way that group dynamics will take over and group members will put forth their best efforts.

"You must believe that your group can find a better solution together than you can yourself," Williams said. "As leaders, you must find the tools to release the hidden power to get your members to help you solve your problems. In short, you must work with people."

(more)

Nancy Hix of Canyon, the state FHA president for 1964-65 briefly spoke to the delegates at the Tuesday morning session. She said, "FHA will make you more interesting to know and easier to follow."

The organization's chief executive added, "As leaders of FHA, you must be poised and ready to represent yourself and your chapter all the time."

Miss Hix then called upon the delegates to strive to make their individual chapters and Region I the best region in the state.

Wednesday's agenda features a third general session from 8-9:30 a.m. in the Tech Union ballroom followed by a series of smaller group workshop meetings.

Mrs. Rothman and Williams will deliver major addresses during the morning general assembly. Mrs. Rothman will discuss "The Place of Charm in a Girl's Life."

Williams' topic, "Leadership in Action," will be a continuation of the leadership basics he included in his Tuesday address.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

The Texas Tech Union will hold the second session of its Luncheon-Discussion Series Tuesday (June 23).

Dr. Timothy P. Donovan, associate professor of history, will speak on "America's Quarrel with the 20th Century".

He will attempt to explain historically those factors which have conditioned the twentieth-century American to be uncertain in his own time. He will refer to such factors as the Frontier experience, the Puritan heritage, and the isolation of America, in developing his ideas.

Dr. Donovan received his Bachelor's and Master's degrees from the University of Oklahoma, where he received his Ph.D. in 1960. He joined the Texas Tech history faculty in September of 1960. In 1961, he published HENRY ADAMS AND BROOKS ADAMS: THE EDUCATION OF TWO AMERICAN HISTORIANS (Norman, Univ. of Okla. Press). At Tech for four years, Dr. Donovan holds a special interest in American Intellectual History.

The luncheon-discussion will be from 12:15 to 1:30 p.m. The meal will cost \$1. and will be served buffet-style in the Tech Union Blue Room. Those who will eat there should sign up by 10:00 a.m. Tuesday at the Union Newsstand. They may pay at the door.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

More than 50 pest control operators from cities across the Southwest are expected to begin registering at 10:30 a.m. Thursday (June 18) for the first annual Pest Control Operators Short Course at Texas Tech.

Registration and all sessions of the two-day conference will be in the Mesa Room in Tech's Student Union Building.

Dr. Stuart Race, an associate professor of entomology at New Mexico State University in Las Cruces, is keynote speaker for the Thursday afternoon opening session.

The New Mexico entomologist will draw from his considerable amount of research on ants of the Southwest in his address entitled "Ants and Their Control."

Dr. R.W. Strandtmann, professor of biology at Tech, is the other major speaker scheduled for Thursday afternoon. His topic is "Ticks and Mites of Local Importance."

Dr. J. Wayland Bennett, associate dean of agriculture at Tech, will extend the College's official welcome to the delegates when the short course begins at 1 p.m. Thursday. This greeting will be followed by welcome and general announcements addresses by officers of the co-sponsoring Texas Pest Control Operators Association.

Dr. Ellis W. Huddleston, assistant professor of entomology at Tech, will keynote the final day of the short course Friday. His speech is entitled "Flies, Mosquitoes and Their Control."

Charles Forehand, a Tech entomology graduate research assistant from Levelland, follows Dr. Huddleston to the podium. His topic is "Multiple Use of Equipment for Herbicides, Insecticides and Indoor Applications."

Dr. Walter Breedlove, from the Lubbock City-County Health Unit, is scheduled to open the Friday afternoon session with an address on health ordinances and municipal controls in pest control.

(more)

Pest Control Short Course add- one

Archie Dwyer with Estes Chemical Company is the second Friday speaker. He will discuss weed control on local premises.

Tech entomology professor Dr. Donald Ashdown will be the final speaker during the course with a talk about "Lawn, Garden and Ornamental Shrubs Pests and Their Control."

-30-

7-6-17

FOR SUNDAY

FT. SILL, OKLA. -- More than 1,500 ROTC cadets from the five-state Fourth U.S. Army area have invaded this rolling, tree-shaded artillery post today (June 21) to begin six weeks of intensive summer training which will put them one step closer to commissions as second lieutenants in the Army.

Included in this group are 65 upperclass students from Texas Tech.

During the six-week training session, the cadets will get practical application of their classroom instruction during their college ROTC school years.

Night problems, weapons firing, weapons demonstrations, and two standard Army bugaboos - guard duty and KP - plus plenty of inspections lie in the immediate future for the budding officers.

When this summer camp ends, the senior cadets who have completed both the ROTC program and their college degree requirements will receive commissions as second lieutenants. The juniors cadets will need only to complete their final year of ROTC on campus and satisfy individual degree requirements to qualify for their shiny gold bars.

Tech cadets from Lubbock attending the camp include Jesse Alvarado, Henry A. Brown, Donald A. Cunningham, James A. Gamble, Joe W. Hobson, Stanley H. Holgate, Ulen D. Kennemer, Larry E. Lance, Edward D. Lewis, and John C. Newsome.

From Amarillo, Jerry W. Blythe, 4801 Camp Ln., and Craig K. Woods, 1905 Fannin. From Houston, Wiley D. Carmichael, 7540 Joplin; and Edward E. McWhorter, 7210 Jalna.

El Paso cadets include Charles L. Dunlap, 7405 Mojave; Eldon J. Lawrence, 8621 Dorbandt; and Harvey H. Whitehill, 7709 Parkland Dr.
(more)

From Midland, Tomothy F. Doreen, 3600 Boyd; and Paul M. Thompson, 2408 Gulf. John M. Brooks, 3604 Suffolk Dr.; and Leslie H. Hotman, 1932 Loma Linda; hail from Fort Worth.

Muleshoe cadets include Gail R. Miller and Walter A. Gammons. Ladin E. Moore and Darrell R. Phillips are from Stinnett. From Abilene are Sidney S. Savage, 810 Beachwood; and Stanley S. Treanor, 2617 Oldham.

Others include Walter F. Bennett, Jr., of Pittsburg, Tex.; Joe F. Clark, 2511 Larry Dr., Big Spring; George L. Cook, Shamrock; Terry W. Denzer, Alamo; Charles W. Eanes, Slaton; and Thomas G. Flournoy, Huntington.

Also, David R. Garland of Rotan; Howard L. Garrett of Clint, Micheal B. Henderson of 5137 Maple, Bellaire; Kenneth R. Hendrix of 1914 Lennon Ave., San Antonio and Stephen W. Holt of 110 N. Jackson, San Angelo.

As well as Howard R. Horn, Jr., of Crowley, Glenn R. Howell of Seymour, Robert M. Jones of Killeen, David L. Kinderfather of 710 W. 8th St., Coffeyville, Kans.; Leigh B. Knight of Alvin; James E. Langford of 517 Williams, Baytown; and Douglas R. Dillard of 324 N. Clements, Gainesville.

And James W. Little, Winters; Kelly D. McGhee, Happy; Carrol R. Macon, Rule; Theo A. Mastin, Jr., 1100 Charles, Pampa; Robert L. Medlin, Panhandle; Leonard M. Orsborn 601 E. 9th, Littlefield; James E. Pavlicek, Hereford; and Robert N. Roberts, 4309 Hilton NE, Albuquerque, N.M.

William A. Roussel III, 4638 Sunken Ct., Port Arthur; William E. Schulze, 933 NW 9th, Grand Prairie; Randy B. Simmons, Oil Center, N.M.; Kenneth B. Snider, Jr., Seminole; and Richard L. Spore, 2104 12th St., Brownwood.

David A. Vore, 1404 Glenwood, Odessa; Robert S. Wenning, 457 Barracuda Pl., Corpus Christi; Joe D. Whitaker, Snyder; Arthur G. Wills, Robstown; and Charles H. Young Decatur.

CAPTION

INVESTING IN HIGHER EDUCATION -- An unrestricted \$1,000 grant from Gulf Oil Corp. is presented to Dr. George Heather (left), dean of Texas Tech's School of Business Administration. The grant is made by W.B. Hopkins (right) of Roswell, N.M., Gulf district manager, as Tech President R.C. Goodwin smiles in approval. (Texas Tech Photo)

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CAPTION

LEADING FUTURE HOMEMAKERS -- Nancy Hicks (left of Canyon and Kathy Marriott of Amarillo (3817 N.E. 10th St.) receive admiring glances from Mrs. Bess Rothman and Herman Williams following a session of the Area I Future Homemakers of America meeting this week at Texas Tech. Miss Hicks is state FHA president and Miss Marriott, Area I President. Principal speakers at the workshop were Mrs. Rothman, a fashion consultant, and Williams, education minister at Second Baptist Church, Lubbock. More than 700 FHA girls attended the meeting, which ended Thursday.
(Texas Tech Photo)

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK-- Texas Tech's School of Business Administration has received a \$1,000 unrestricted departmental assistance grant from Gulf Oil Corporation.

The grant is one of 50 that Gulf distributes annually to selected schools or departments in as many universities or colleges under the Company's Aid to Education Program. Together with other sections of the Gulf program, this will result in the distribution of more than \$1,800,000 to students and institutions of higher education for scholarships and other education purposes in 1964.

Departmental Assistance grants, such as the one received by Tech are intended to contribute to the support of departments of particular interest to the Company. Any department in an accredited college or university within the United States and its territories may be considered for these awards.

The check was presented to Dr. George Heather, Business Administration dean, by W.B. Hopkins, District Manager, Gulf Oil Corp., Roswell, N.M.

-30-

9-6-18

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Culminating two weeks of intensive training, high school musicians attending the Texas Tech Summer Music Camp will present a combined concert for band, orchestra, choir, and stage band at 7 p.m. Friday (June 19). More than 150 area high school students will participate in the program in the Tech Union Ballroom. Admission is free, and the concert is open to the public.

The concert will open with the orchestra, conducted by William A. Harrod, founder-conductor of the Lubbock Symphony Orchestra.

The orchestra will perform the following program: Sarabanda e Giga by Corelli and Symphony No. 104 in D Major by Haydn.

The stage band, conducted by Richard Tolley, will then present Trumpet Rock , by Russell Ward, and Do Be Do , by Bob Seibert.

Following these selections, the choir, conducted by Gene Kenney and accompanied by Jackie Medley will perform: Ave Maria by de Victoria; O All ye Nations by Schietz; Locus iste a Deo factus est by Bruckman; and Beautiful Savior by Christiansen.

Also I Dream of Jeannie, arranged by Wagner, soloist Clifton Word; Oh Dear! What can the Matter Be; Jimmy Jenkins, arranged by Cloky and My Fair Lady, arranged by Warnick.

The concert will close with the band, conducted by Dean Killion in a program of: March of the Olympians by Yoder; Toccata by Frescobaldi; Bugler's Holiday by Anderson, with solos by Keith Bearden, Hale Center, Dan Butler, Lubbock and Pat Metzo, Levelland; Chorale and Alleluia by Hanson; Carnival of Venice by Staigers, Richard Colvin, soloist; The Golden Ear by Miguel; British Eighth by Elliott; and Vincent Youman's Fantasy by Yoder.

With the concert this Friday the Summer Music Camp will close for high school students. The Tech Music Department will continue the Camp by opening the Junior High Band and Keyboard Divisions Monday (June 22).

(more)

Summer Music Camp Concert - add11

Registration is open for the two-week Junior High Camp and enrollment will begin Monday, June 22, at nine a.m. in the Tech Music Building. Tuition is \$21 for the Camp, which will continue through July 3.

-30-

10-6-18

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK,-- Texas Tech is having its biggest and busiest summer ever, with a record 5,268 students enrolled in the first term of its summer session.

The Graduate School is even bigger than in the regular session from September to June. Now enrolled are 1,323, compared to 926 in the fall semester and 1,042 in the spring semester.

As usual the School of Arts and Sciences is far ahead in enrollment with 2,952 students listed. Agriculture has 309; Business Administration, 1,028; Engineering, 674 and Home Economics 305. These School totals include graduate students.

The first term student body includes 3,240 men and 2,028 women. That's a much closer ratio than in the regular session, when men outnumber women about two to one.

The first term will end July 11. The second will run July 13- Aug. 26.

-30-

11-6-18

FOR SUNDAY

BUENAS AIRES, ARGENTINA- Forty-two teachers and supervisors of Spanish assembled here Saturday (June 20) to start the two-month long Summer Language Institute for Secondary School Teachers of Spanish conducted by Texas Tech.

The participants were chosen by a selection committee from the 255 eligible teachers who applied for admission to the program.

Representing 20 different states and the Canal Zone, four of the selectees came from Texas; four from Illinois; three each from California, Colorado, Indiana, Michigan, Ohio and Pennsylvania; two from Iowa, Kansas Minnesota and New Mexico; and one each from Massachusetts, Missouri, Nebraska, New Jersey, New York, Oklahoma, Washington and the Canal Zone.

The Institute is conducted by Tech in cooperation with the U.S. Office Of Education. Its purpose is to upgrade the competence of practicing teachers of Spanish through intensive advanced training in an environment where Spanish is the native language, according to Alfred Strehli, Tech professor of foreign languages and director of the Institute.

All of the trainees, as a prerequisite to their selection, have had previous summer language institute training in this country under Office of Education auspices. During the summer, they will learn of the latest developments in teaching techniques and materials. They are also expected to increase their command of the spoken language and to become acquainted with all aspects of life in Argentina, Strehli said.

Although two long week-end excursions by bus are included in the program to illustrate the characteristics of the country between Buenos Aires and the northern most city of Jujuy, the activities of the Institute are centered in the city of San Miguel de Tucuman, the capital of the northern province of Tucuman.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Important questions about city government will be discussed during a workshop to be conducted by the Lubbock League of Women Voters on Tuesday (June 23). It will be held from 10 a.m. until 2 p.m., at the Garden and Art Center. The workshop, open to the public, is one segment of the League's recently initiated study of municipal government.

Dr. Vernon Clover, professor of economics at Texas Tech, will discuss economic business research on methods of collecting information. Dr. Clover is the author of publications on some analytical tabulations of Lubbock census track data in 1960, net income of employed wives, and general economic aspects of utilizing underground water for high plains irrigation.

The League's workshop will also feature Al Couch, city director of finance, speaking on City Budgetary Procedures. Couch, who will serve as resource person for the workshop, is a graduate of Texas Tech, the University of Texas and Harvard Business School. He has been with the city of Lubbock for 12 years.

Mrs. J.H. Reed, League Unit Chairman will preside at the meeting and Mrs. Gerald Sandlin, Local Current Agenda Chairman of the Lubbock League, will direct the workshop. Members and guests are requested to bring a sack lunch so the workshop may continue through the noon hour.

Texas Technological College
Department of Public Information
Adrian Vaughan , Director

Young musicians will converge on the Texas Tech campus Monday (June 22) for the beginning of the second session of the 1964 Summer Music Camp, to be held through July 3.

It will be composed of junior high and elementary band students from area schools. Monday the students will pay fees and audition for chairs and placement in one of the three bands which comprise the band division of the session.

The keyboard division will be a new section of the Camp. The division is open to high school, junior high, and elementary keyboard students.

During the session, students and area teachers will attend a three-day workshop with artist-lecturer Bela Nagy of Boston University.

Enrollments for both divisions will began at 9 a.m. Monday for those who have not already registered. Tuition for the two-week session is \$21.

Tuesday the Camp will follow its full schedule. Classes will include rehearsal, music listening, twirling, drum majoring, theory, clinics and instrumental work.

The junior high elementary string and choir session will begin July 6. Enrollments are now open for this third two-week session of the 1964 Tech Summer Music Camp.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Some 60 men who manage the business of Texas Public School Systems will confer Wednesday and Thursday (June 24-25) at Texas Tech.

John Gott, assistant superintendent for business in Albuquerque schools, will keynote the opening session in the Union Building in a talk on school business management in a changing world.

Reports on the status of the certification program for school business officials will round out the Wednesday morning session.

W.T. Hanes of Irving will tell the Irving school building story at a luncheon. Conferees will visit exhibits at the Texas School Food Service Association meeting in Lubbock Coliseum during the afternoon.

Thursday morning panels will be heard on debt service and debt management and on budgeting, auditing and accounting. Bill Jacquess of Fort Worth will speak on office management.

The conference will close with a noon luncheon at which data processing services of Albuquerque schools will be discussed by Willie Sanchez.

-30-

15-6-19

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Houstonian Joe D. Preston gave Texas Tech and its entomology department a whopping vote of confidence and thanks as the first annual Pest Control Operators Short Course drew to a close late Friday afternoon (June 19).

Preston, president of the co-sponsoring Texas Pest Control Operators Association, said that the meeting filled a definite need for up-to-the-minute information.

"This has been a wonderful meeting. I feel that it will open the eyes of many in the pest control industry," he said.

The organization's chief executive disclosed that the short course was to become an annual event each June for South Plains members.

Preston then praised Tech entomologist Dr. Donald Ashdown, who played a major part in organizing this initial conference.

"Dr. Ashdown has done an outstanding job in attracting the high calibre of speakers to this meeting," Preston continued. "I can't tell you how grateful we are to have had this excellent cooperation.

Registration climbed well above the 50 mark as the final session was held. Preston attributed the steadily climbing registration all during the course to operators whose schedules would only permit them to attend parts of the course rather than taking the time to attend all sessions.

Dr. Ellis W. Huddleston, Tech assistant professor of entomology, and two graduate research assistants, Charles Ward of Seagraves and Charles Forehand of Levelland, teamed to deliver Friday's keynote address on "Mosquitoes and Their Control."

Dr. Huddleston was first to speak. He recommended fogging and dusting as the best ways to achieve mosquito control. He also mentioned that encephalitis becomes more prevalent as the mosquito season continues.

(more)

"Drive-in movies are an excellent market for pest control operations," Dr. Huddleston stated. "They are also a problem in that repeated dustings and sprayings don't always get the job done. The high winds we have on the Plains blow more mosquitoes in as fast as others are killed."

The Tech entomologist concluded his remarks with several suggestions for controlling these pests at their breeding grounds.

Ward continued this mosquito control emphasis with a discussion of larvae control.

He stressed the elimination of source water around the home as a prime control method and said, "When we have no free water, we find that we have no mosquito problem."

His discussion included information on several insecticides that have recently been approved for larvae control.

"We have always had insecticides which could control larvae," Ward said. "Our problems come when these insects build up resistance as the material is re-applied."

Ward mentioned a World Health Organization insecticide resistance kit which has been used successfully to determine the level of resistance which has been built up in the insects.

Forehand, the anchor man with the Tech threesome, concentrated on familiarizing the pest control men with mosquito life cycles and in what areas they might be found. He said that research has shown that 75 percent of the mosquitoes on the High Plains come from playa lakes.

Forehand delivered a second address to the short course delegates later in the Friday session. This speech covered the use of spray equipment for various jobs which might arise for pest control operators. He disclosed ways through which equipment presently on hand can be modified to be effective in other types of spraying.

Other short course addresses came from Dr. Ashdown, Walter Breedlove of the Lubbock City-County Health Unit, and Estes Chemical Company's Archie Dwyer.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

SUITABLE FOR TIME COPY

Since the dreaded mushroom-shaped cloud rose menacingly above Hiroshima in the later stages of the second world war, civilized man has found new ways to convert the atom to peaceful uses.

More and more emphasis is being placed on training Texas Tech graduates in the basics of nuclear engineering under a program started in 1957 by Engineering Dean John R. Bradford.

Dean Bradford looked back on Tech nuclear education and recalled that the first course was senior level seminar which served as an indoctrination into the field.

Now, 10 courses are available through Tech's various engineering and science departments which pertain directly to this increasingly important field.

"We have reached the point where graduate students may take a minor in nuclear engineering while they work toward master of science degrees," Dean Bradford said.

Six graduate students worked exclusively in this area during the past school year and the engineering Dean expects to have eight or nine when the Fall semester begins in September.

"Much of our graduate work centers around our sub-critical nuclear assembly," the Dean added. "We obtained this assembly along with a great amount of other equipment through a \$100,000 grant from the Atomic Energy Commission."

Tech's present role in nuclear engineering is to "acquaint our students with the opportunities available in this rapidly expanding field," Dean Bradford continued.

(more)

The Dean stressed that "nuclear engineering, like any other academic program, takes along, hard pull to get it where you want it to be."

His future plans include adding more qualified staff members to broaden the scope of the program and eventually constructing a separate building to house the sub-critical assembly and other related classrooms and laboratories.

Nuclear engineering at Tech has cut across departmental lines and now involves many departments within the engineering school.

Mechanical engineering contributes courses in heat transfer and thermodynamics; chemical engineering, five courses in nuclear engineering; electrical engineering, instruction in instrumentation and controls; civil engineering, radioactive waste disposal techniques and construction and structures; and petroleum engineering, nuclear techniques in well logging and reservoir work.

In addition to these engineering departments, the Tech program leans heavily on the College physics department for nuclear physics education.

In agriculture, Dr. Coleman A. O'Brien, an assistant professor of animal husbandry, is participating in a six-week summer institute on radioisotope technology at Texas A&M University.

Following the institute, Dr. O'Brien will be licensed by the Atomic Energy Commission to handle radioactive materials for research. The AEC and the National Science Foundation are jointly sponsoring this institute.

Tech agronomy and range management specialists are typical of other non-engineering departments involved in peaceful use of radioactive material. Radioactive isotopes are used to measure grain sorghum, cotton and range grass root systems at test plots near the campus.

Being a severe realist, Dean Bradford admits that his program is not turning out polished nuclear engineers capable of designing vast nuclear power plants.

(more)

On the other hand Tech graduates who have taken the nuclear engineering program have done exceedingly well in the highly-competitive "world of atomic energy."

Dr. Monty E. Davenport, an assistant professor of mechanical engineering at Tech, was one of the participants in the first senior level survey course.

In April, 1964, Dr. Davenport was selected as one of 30 delegates from 25 states to attend the third Plowshare Symposium at the University of California at Davis.

This symposium was jointly sponsored by the Lawrence Radiation Laboratory, Livermore, Calif;; the American Society of Engineering Education; the American Nuclear Society; and the host University of California. The U.S. Atomic Energy Commission cooperated with the symposium sponsors in staging the seminar.

The Plowshare Symposia were dedicated to the peaceful uses of nuclear energy. The term "Plowshare" was derived from the Biblical quotation, paraphrased: "They shall beat their swords into plowshares..."

"The Plowshare Symposium dealt with the peaceful uses of nuclear energy," Dean Bradford said. "In the same way, we at Tech are working toward developing peace time and industrial uses of the by-products of nuclear energy."

Other Tech graduates with the College's nuclear engineering courses as a base have taken positions with the Bettis Atomic Works of Westinghouse; the Knolls Atomic Power Laboratories of General Electric; the Oak Ridge National Laboratories; the Savannah River Plant; and the AEC's Hanford Works.

As one indication of the stature of the nuclear engineering program, Texas Tech is one of the colleges and universities in the United States which participates in AEC nuclear science and engineering fellowship program," Dean Bradford added.

Mailing Schedule For

[illegible]

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK,---Miss Nikki Epley of Pecos will present her senior piano recital June 30 at Texas Tech.

The performance at 4:15 p.m. in Room 1 of the Music Building will include:

Sonatina, op. 36, no. 6 by Clementi; Toccata in A by Paradies, Traumerei by Schumann; Romance, op. 28, no. 2 by Schumann; and Scherzo, op. 16, no. 2 by Mendelssohn.

The recital is part of requirements for a bachelor of music education degree. Miss Epley is a student of Thomas Mastroianni.

She is the daughter of Mr. and Mrs. Ernest Epley, 514 South Eddy, Pecos.

-30-

1-6-22

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

The newest generation of West Texas musicians -- 294 strong-- will begin their first full-day of instruction and practice today (June 23) in the second session of Texas Tech's Music Camp.

On hand are elementary and junior high students in band and keyboard instruments.

Guest lecturer Monday through Wednesday for the keyboard sessions is Bela Nagy of Boston University. The keyboard sessions (which also are open to senior high students) and those in stage band are new sections this year.

There are three concert bands for the session and instruction also is being given in baton twirling and drum majoring. Classes include rehearsals, music listening, theory, clinics and instrumental work.

Monday was spent in registration, tryouts for chairs in the bands, and beginning sessions. The second session will close July 3. The Music Building is headquarters for the Camp.

LUBBOCK, -- Texas Tech has 260 musicians enrolled in the second session of its summer music camp.

The intensive two-week session for elementary and junior high schoolers includes 225 in band classes and 35 in keyboard classes.

Included are rehearsals, theory discussions and clinics. The session will end with a free public concert at 7 p.m. July 3 in the Tech Union Building.

A third session, for elementary and junior high schoolers in string and choir work, will be held July 6-17.

Participants in the band second session include: Steve Barton, Jeannene Crowder, Glynn Durrett, Marilee Echols, Sandra Furgeson, David Harp, Patsy Lambert, Glenn Parson, Nick Patterson Cathy Pinson, Terri Sinclair, Marianne Thames, Carlton Edward Winton, Joy Wright, Anita Johnston, Steve Patterson, Fritz Struve and Leland Ridiner from Abernathy.

Lorelle Biffle, Patriece Byrum, Lanny Glasscook, Mark Grace, Gene Ann Herrin, Johnny Lynn Hodges, Alan James, Vicki Carol James, Randy McLarty, Melva Teague, James Turnbow, Roy Wayne Watson, and Gary Leon Wooten from Anton.

Laura Lee Jones from Ballinger; John Bount, Kristi Brashear, Sandra Haley Kyle Hicks, Frank Martinez, Randa McDaniel, Mickey McElroy, Monica Ross, Jane Ann Stanton, Jana Beth Cannon, Jo Donna Cannon, Kelley Cannon, Claudia Garretson, Rubeth Hollingsworth, Joan Curry, and Sherry Springer from Hale Center.

Linda Noret, Jayne Riker, Joan Riker, Diane Scitern, Donna Scitern, Vicki Standefer from Lamesa; Lynn Haney, John Harper, Sue Jones, Burk Lattimore, Kevin McCrory, Nell McCrory, Stevan Melton, David Pharies, Ronnie C. Stoughton, Joe Wade, Gary Atchison, and David McIntire from Levelland.

(more)

Music Camp add 1

Vicki Hooser and Jamie Kay Hough, Memphis; Vicki Lynn Banks 4303 Mercedes, Midland; Lynne Richins, Lordsburg; Carol Ann Williford, Monahans; Joel DeWayne Lindsay, 804 N. Alleghaney, Odessa; Linda Sumroll, Susan Taylor, Harriet Cook, Libby Cook, Penny Jones, Wanda Lawhon, and Jaylane Middleton from O'Donnell.

Bobby Scarborough, Port Aransas; Charles Edwin Darby, and Kyle Lewis, Ropesville; Timothy Beady, Crystal City; Linda Lou Rountree 703 W. Washington Dr., San Angelo; Robert Gosdin 8518 Dudley, San Antonio; Phyllis Floyd, Shallowater; Walter Morgan, Slaton; Kitty Sullivan and Gayle Thompson, Smyer; Janet Womack and Debra Norton, Snyder; Steve Sanderson and Stephen Busby, Springlake; Judy Ann Williams, Sudan; and Robert Steven Brown, Vernon.

Connie Prittle, David Rogers, Martin Warren, Suzanne Warren, Tahoka; Joe Crews, Dennis Meaker, Wade May, Steve Meador, Veletta Peterson, Wayland Peterson, and Bruce M. Schuette, Wilson.

Participants in the keyboard division include: Theresa Pope, Lynette Ridner, and Carolyn Kay Winton, Abernathy; Emery Waters, Anton; Julia Jones, Ballinger; Sylvia Curry, Crosbyton; Bob Brashear, Hale Center; Judy Whitill and Debra Brandes, Lockney; Paula Sue Beaver, 2000 N. H Street, Midland; Anne Leon, Petersburg; Cheryl Kilgore, Sandy Springs, S.C.; Bea Dunnam, Snyder; and D'Nan Hobgood, Wolfforth.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

School business executives from throughout Texas will open a two-day conference at Texas Tech today (June 24) by hearing John Gott of Albuquerque discuss school business management in a changing world.

The keynote address will climax the opening general session which will begin at 9:15 a.m. in the Union Building ballroom. Gott is assistant superintendent for business in the Albuquerque system.

Some 60 business managers are expected to exchange views and information in the conference, sponsored by the Texas Association of School Business Officials and allied organizations.

Dr. Berlie Fallon, Tech professor and executive secretary of the West Texas School Study Council, is in charge of arrangements.

The Wednesday morning program will include reports on the status of the certification program for school business officials. Speaking will be Jim Crews of Waco and Lee Elder of San Angelo, both members of the TASBO committee on certification.

The Irving School building story will be told by W.T. Hanes of Irving during a luncheon. On Wednesday afternoon conferees will participate in the Texas School Food Service Association meeting in Lubbock Municipal Coliseum.

The businessmen will turn their attention to school finances Thursday morning. Panels will be conducted on debt service and debt management and on budgeting, auditing and accounting.

The conference will close with talks by Bill Jacquess of Fort Worth on office management and Willie Sanchez of Albuquerque on developing an educational data processing center.

CAPTION

MIDGE EXPERTS WITH EMERGENCE CAGE - Texas Tech entomologists Dr. Donald Ashdown (left) and Dr. Ellis Huddleston are shown with a low-cost midge emergence cage they have used extensively in their research on this \$6,000,000 fly-in-the-ointment of Texas grain sorghum producers. The Tech researchers have been battling midge for the past four years. (Tech Photo.)

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A Texas Tech historian recounted America's quarrel with the 20th Century Tuesday and decided more good than harm may come from it.

Dr. Timothy Donovan told a standing-room-only luncheon audience in the Union Building's Blue Room that the nation's lingering looks at mythical "good ole days" contrast with, and thus reveal a willingness to experiment and change.

"There's room for hope that this nation will become even stronger in its world leadership," he said.

"What other people have more experience with change and experimentation?" he asked. "Other peoples have shown an inability to change."

Donovan recalled how early settlers of America found an abundance of resources and a freedom to develop the resources as individuals.

Then came a mechanized society that provided material progress but usurped individual freedom.

This caused an ambivalence in the American, Donovan pointed out. The American longed for the individualism of the good old days but he didn't want to give up the material comforts that he produced after giving up some freedoms.

Likewise his Puritan heritage caused him to be suspicious of the materialism which he insisted on keeping.

Joined with those factors were a flood of changes brought about in two world wars and an explosion of scientific knowledge, Donovan said.

"World leadership was thrust suddenly on America," he said. "We tried our principles abroad and many times they didn't work. We found we had a national inability to understand the world around us or even our own motives."

Scientism bloomed as a philosophy, only to be deflated by Einstein and his theory of relativity that made all "absolutes" of science unsure, Donovan continued.

(more)

Donovan add - 2

Americans today are no worse off than previous generations, he said. Because of the rapid changes it has had to face, America is best equipped to meet the challenges before it.

Quoting Thomas Wolfe, Donovan concluded that "the true discovery of America is still before us."

More than 60 persons attended the noon luncheon-discussion, part of a summer series sponsored by the Tech Union.

-30-

5-6-23

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech students can begin celebrating the Fourth of July early by attending a "Firecracker Frolic" dance from 4 to 7 p.m. July 2 in the Tech Union.

The Raiders will play for the admission-free affair in the Union snackbar area. There will be refreshments and a door prize. Attendants may wear casual clothes and come "stag or drag."

-30-

6-6-23

Alec Guinness and Peter Sellers will star in the Texas Tech Union's free movie, "The Lady Killers," to be shown at 4 and 8 p.m. Friday (June 26) in the Coronado Room.

The film is a comedy in which five criminals, posing as a string quartet, impose on the hospitality of a kindly old lady, using her house as headquarters for planning an armed robbery.

-30-

6-6-23

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

School business executives will turn their attention to finances and office management today (June 25) in final sessions of their conference at Texas Tech.

Two panels are scheduled at 9:15 a.m. in the Union Building.

Debt service and debt management will be discussed by Homer Criag, Pampa; George Stowe, Abilene; Sam Barnes, Dumas; W.P. Sheffield, Lufkin; and M.O. Woolam, Andrews. Jack Slaybaugh of Corpus Christi will be chairman.

Discussing budgeting, auditing and accounting will be Glenn Elrod, Monahans; Roy Greenwood, Victoria; H.B. Cunningham, Henderson; and Melvin Olle of the Texas Education Agency, Austin. T.J. O'Connor of the Texas Education Agency will be chairman.

"Office Management--Key to Greater Efficiency" will be the topic of Bill Jacquess, International Business machines representative from Fort Worth.

The conference will close with a luncheon address by Willie Sanchez of Albuquerque on developing an educational data processing center.

More than 50 are attending the conference, sponsored by the Texas Association of School Business Officers, Tech, the West Texas School Study Council and allied organizations.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

By John Hobbs
Public Information Staff

LUBBOCK - Ants and mosquitoes got a thorough "going-over" during Texas Tech's first annual Pest Control Operators Short Course June 18, 19.

Dr. Stuart Race, an assistant professor entomology at New Mexico State University, delivered a general discussion of ants, their life histories, life cycles and possible ways of control to the more than 40 delegates attending the first day's sessions.

Dr. Ellis W. Huddleston, a Tech assistant professor of entomology, teamed with two entomology graduate research assistants to deliver the second day's keynote address on "Mosquitoes and Their Control" as enrollment climbed above the 50 mark.

"Ants are cosmopolitan," Dr. Race said. "They are one of the few species which form colonies. For this reason, they are often one of the harder types of insects to control."

The New Mexico entomologist said that many ant species are economically important to man. He added that still others are of questionable value while a third grouping are definitely harmful.

"On the plus side, most ant species serve as vacuum cleaners and feed on dead insects thereby keeping things a lot more orderly."

He stressed, however, that other species compete directly with man for crops, contaminate food and invade houses thereby becoming great nuisances.

"Carpenter ants, for example, tunnel into wood and greatly weaken structures such as houses and farm buildings. Others are as thorough as man in harvesting crops," he said.

Dr. Race classified the red ants common o
gatherers and indicated that control of these species is made easier by utilizing their
feeding and foraging habits.

to the Lubbock and South Plains area as seed

(more)

He said, "Best results on controlling these species come from using a bait which can be taken back to the nest by ants where it will remain active long enough for all members of the colony including the queen to eat it and be killed."

Myrex, a fairly recent addition to the Allied Chemical Co. line, drew particular praise from the visiting entomologist. This new product seemed to be best when used as a bait for harvester ants and was nontoxic to pets and farm animals who might eat the bait by mistake.

"Before Myrex, we didn't have very effective control of ants found out of doors," he concluded.

Dr. Huddleston and graduate assistants Charles Ward of Seagraves and Charles Forehand of Levelland concentrated their fire on mosquito control.

"Drive-in movies are an excellent potential market for pest control operations," Dr. Huddleston said. "They are also a problem in that repeated dustings and sprayings don't always get the job done. The high winds we have on the Plains blow in more mosquitoes as fast as others are killed."

The Tech entomologist stressed that best possible control could be achieved by going directly to mosquito breeding grounds.

He added that pest control operators could put small wire mesh containers filled with mosquitoes in areas they work in to determine how effective their spraying and dusting has been.

"Your clients will be glad to go along with this because it shows you are doing a good job when you let them see the mosquitoes which have been killed," Dr. Huddleston continued.

As the second member of the team, Ward continued the mosquito control emphasis with a discussion of larvae control.

(more)

He stressed the elimination of source water around the home as a prime way to get ride of these pests and siad, "When we have no free water, we find that we have no mosquito problem."

In his general discussion of larvae control insecticides, Ward told the delegates, "We have always had insecticides which control larvae. Our problems come when these insects build up tremendous resistance to the material as it is re=applied."

Ward mentioned a World Health Organization insecticides resistance kit which has been used successfully to determine the level of resistance which has been built up in the insects.

Houston pest control operator Joe D. Preston, president of co-sponsoring Texas Pest Control Operators Association, had great praise for Dr. Donald Ashdown, Tech entomology professor, and his staff ofr the smooth manner in which the course was conducted.

"This has been a wonderful meeting. I feel that it has opended the eyes of many in the pest control business," Preston said.

The organization's chief executive disclosed that the short course would become an annual event each June for South Plains members and would be held on the Tech campus.

Preston had many kind words for Dr. Ashdown, who played a major role in organizing this initial short course.

"Dr. Ashdown has done an outstanding job in attracting the high calibre of speakers to this meeting," Preston explained. "I can't tell you how grateful we are to have had this excellent cooperation."

FOR SUNDAY

Bob, Gree, Ainsworth, Iowa, hampshire breeder and commercial swine producer will headline the 16th annual Swine Short Course at Texas Tech Thursday (July 9).

The annual one-day event is co-sponsored by the Texas Swine Breeders Association and the Tech animal husbandry department.

In announcing the speakers for this year's short course, chairman Dr. Sam Curl, an assistant professor of animal husbandry at the College, said, "We believe that the one-day program we have planned will be both interesting and informative."

Green, as keynote speaker, will discuss "How I Handle My Dry Sows."

Of Green, Dr. Curl said, "He is widely known as an outstanding producer of both seed stock and commercial swine. We are indeed fortunate that he has accepted our invitation to share his ideas and discuss his management experience at our short course."

This 16th annual short course will also feature a producer's panel of outstanding swine producers. Slides will be shown and management practices will be discussed.

Registration begins at 8:30 a.m. Thursday (July 9) in the Tech Agricultural Memorial Auditorium. Dr. Ralph M. Durham, professor and head of the animal husbandry department, will preside over the morning session.

Littlefield commercial swine producer Jack Barton will preside over the afternoon's proceedings.

Speakers for this year's event include Green, Dr. Curl, Buddy Winter of Lubbock, Monte Griffin of Lamesa, Roy Poage of Slaton, and Jim Humphries of Dickens.

FOR SUNDAY

Maj. Frank M. Pender, assistant professor of military science at Texas Tech since August, 1960, has been reassigned to the Army's Engineer Support Command in Vietnam according to Col. William M. Brown, professor of military science.

Maj. Pender, a native of Louisiana and a graduate of Louisiana State University, will soon leave Lubbock and report to his new assignment in early July.

He is the second career officer to go from duty with the Tech Army ROTC cadre to duty in Vietnam. Capt. Charles W. Brown departed in November, 1963.

The Major's wife Peggy, a native of Waco, and their three children, Margaret, Patricia and Frank R., will remain in their Lubbock home while he completes his tour in Vietnam.

After serving as an enlisted man during World War II, Maj. Pender returned to L.S.U. where he received his degree along with a commission as a second lieutenant through the school's ROTC program. He has since been stationed in Japan, Europe and Korea with Corps of Engineers units.

The Penders are members of First Methodist Church in Lubbock. Maj., Pender has also been a member of the training committee of the South Plains Council of Boy Scouts of America.

FOR SUNDAY

Frances Whitley of Robstown, Vicki Keene of Lubbock and Claudean Terrazus of Big Spring will handle feature twirling assignments with the 1964-65 edition of Texas Tech's "goin' band from Raiderland."

Miss Whitley, a freshman, will be featured twirler. She presently holds the Miss Corpus Christi beauty contest title. Misses Keene and Terrazas will be billed as a featured duet with Tech's "Terrific 230" marching band.

In announcing the results of twirler competition held late in this past spring semester, band director Dean Killion named eight other Tech coeds as majorettes.

Carole Brashear, a Petersburg senior with four years marching experience with the Raider marching band, was named head majorette.

The group's majorette line will include juniors Juanna Jo Moore of White Deer and Roxie Ward of Lubbock, sophomore Cheryl Poteet of Olton, as well as freshmen Patsey Raymond and Judy Danner of Levelland, and Judy Stewart and Chris Adrean of Lubbock.

Misses Ward and Moore performed as majorettes with the band last year.

Miss Poteet, a transfer to Tech from Lubbock Christian College, currently holds the Miss Olton title. She has been a finalist in several other beauty contests on the High Plains.

Mailing Schedule For

[illegible]

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Culminating two weeks of training at Texas Tech's Summer Music Camp, junior high and elementary band students from the West Texas area will present a combined concert for a stage band and three concert bands at 7 p.m. Friday (July 3) in the Tech Union Ballroom.

The concert is admission free and open to the public, with 230 area band students participating in the program.

The Intermediate band, conducted by Everett Maxwell of Abernathy, will perform "Step Along March," Olivadoti; Kinyon's "Carnival for Trumpets" and "Carnival for Percussion;" and "Skaters Waltz" by Waldteufel.

The stage band, conducted by Jerry Bartley of Lamesa and Charles Barton of Lubbock, will present "Theme," Barton; "Richard Diamond," Rugulo; and "Rock Bottom," Brown.

The concert band, conducted by J.W. King Jr., of Hale Center, will perform "Pride and Progress March," Olivadoti; "Sun Valley Overture," Paulson; "Gaslight Gaities," Playhor; "Rumbah Mumbah," Bowles; "Celebration," Playhor; and "The Caissons Go Rolling Along," Ortone.

The Symphonic Band, conducted by Orland Butler of Lubbock, will conclude the concert with "United Nations March," King; "The King and I," Rodgers; "The Green Leaves of Summer," Tiomkin; "Waltzing Winds," Osterling; "Blue Tango," Anderson; and "March for a Festival," Akers.

Friday's concert will end the band section of Tech's Summer Music Camp. The music department will continue the Camp with the opening of the junior high and elementary string orchestra division Monday (July 6.)

Registration is still open for the two-week camp at a tuition fee of \$21 for junior high, and \$11 for the elementary section, which meets only half days through July 17. Enrollment begins at 8 a.m. Monday (July 6)

Texas Technological College
Department of Public Information
Adrian Vaughn, Director

FOR SUNDAY

"Liberal Religion" will be discussed by a panel group Tuesday (July 7) for the third in a series of summer luncheon-discussions sponsored by the Texas Tech Union.

The panel will be composed of Dr. Winfred G. Steglich, the Rev. Houston Hodges, the Rev. Ralph Macy and Dr. Arthur L. Draper, who will discuss the advantages and disadvantages of the liberal religious movement, and their own attitudes about it.

Dr. Steglich, who will moderate the panel, is professor and head of sociology at Tech. Dr. Draper is an associate professor of chemistry at Tech.

The Rev. Mr. Hodges is the Presbyterian campus minister and is an instructor of Bible Literature at the United Bible Chair. The Rev. Mr. Macy is Episcopal college chaplain and is also an instructor at the United Bible Chair.

The luncheon-discussion will be in the Blue Room of the Union from 12:15 to 1:30 p.m. Interested persons may make reservations at the Union Newsstand not later than 10 a.m. Tuesday (July 7.) Cost of the buffet-style luncheon and lecture is \$1 a person.

Air Force Capt. James C. Webb, a veteran fighter pilot who holds senior pilot's wings, will soon leave the Texas Tech Air Force ROTC cadre for reassignment to Tactical Air Command Headquarters at Langley AFB, Va.

Capt. Webb's new assignment becomes effective July 31, 1964. He has been an assistant professor of air science at Tech since May, 1960, and has served as commandant of cadets during that time.

The Air Force career officer is a native of Bryan, Tex. He received a bachelor of arts degree in economics from Michigan State University in 1952.

After graduating from the University, Capt. Webb was commissioned an Air Force second lieutenant through the ROTC program. He then completed flight training and returned to Bryan AFB, Tex., as an instructor.

At Tech, Capt. Webb has been active as sponsor of the Arnold Air Society, national Air Force ROTC cadet honorary. Under his direction the Tech chapter has become area headquarters for units in Texas, Oklahoma, Louisiana and Arkansas.

Shortly after joining the Tech cadre, Capt. Webb completed the Academic Instructors School at Maxwell AFB, Ala.

Capt. Robert Dyer, currently enrolled in the AIS course, will replace Capt. Webb. Dyer's previous assignment was at Yokota AB, Japan.

Two summer workshops are currently in progress at Texas Tech's School of Home Economics on Campus.

A three-week workshop in color and design began Monday (June 29) with 23 county home demonstration agents from Texas and New Mexico enrolled.

Bill Lockhart, professor and head of applied arts at Tech, is conducting the workshop. Sessions are planned to help develop sensitivity in color and design with reference to teaching others, Lockhart said.

Emphasis is on information and experiences planned to help the adult leaders guide others, from teenagers to senior citizens, in the use of color and design, Lockhart added.

A workshop in home economics research methods began Wednesday (July 1) conducted by Miss Phyllis Drake, associate professor of home and family life at Tech.

The College Workshop for Homemakers, expected to draw more than 200 participants, will begin at Tech Monday (July 6.)

FOR SUNDAY

The junior high and elementary string division of the Texas Tech Summer Music Camp will begin Monday (July 6.)

Registration for the elementary will be at 8 a.m.; for junior high, at 9 a.m. A full schedule of classes will be offered the first day.

The camp will be held at the Music Building on the Tech Campus. Classes will be offered in theory, techniques of playing, section rehearsals and full rehearsals.

The faculty is made up of selected teachers in the area, both from college and public schools, and will include George Robinson, director of orchestra at Lubbock High; Joanne Needles, principal cellist of the Lubbock Symphony; Dwight Pounds, orchestra director from Odessa; Virginia Kellogg, instructor of violin and theory at Tech; and Paul Ellsworth, director of the camp, and conductor of the Tech Symphony Orchestra.

A recreation program will include a skating party and a swimming party. A concert will be presented on the final evening, July 17, in the Ballroom of the Tech Union.

New registrations will be accepted up to and including the first day of classes, Monday (July 6.)

FOR SUNDAY

The Lubbock County Tuberculosis Association will bring its chest X-Ray mobile detection unit to the Texas Tech campus Tuesday, Wednesday and Thursday (July 7,8,9), to be set up north of the Tech Union Building.

The unit will be operated from 9 a.m. to 5 p.m. daily for faculty , students and staff of the College, as well as additional persons who come to the campus.

Mrs. Clifford Sharp, executive director of the TB Association, stressed that the unit is not just for the detection of tuberculosis, but for any abnormalities in the chest area.

No set fee is charged for the service, however a token contribution of at least 50 cents is requested by the Association to help defray cost of operation.

Cards to be filled out will be distributed on the campus in advance of Tuesday (July 7) to expedite the X-Ray procedures. Mrs. Sharp estimated that up to 100 persons an hour could be X-Rayed if the cards were filled out properly in advance.

She added that volunteers would be utilized to see that persons fill out the cards correctly and to number the cards to match the X-Ray number when the mobile unit is in operation.

Portions of the cards, which are filled out on both sides, are returned to the individuals who are X-Rayed and show negative results. First class letters are mailed to persons when abnormalities are indicated by the X-Rays.

The Association requests the name and address of the family doctor to be included in the information on the card.

Mrs. Sharp emphasized that anyone may be X-Rayed at Tech during the three days, regardless of whether he is a Lubbock county resident or is connected with Tech.

CAPTION

DIETETIC INTERNS---Five 1964 Texas Tech home economics graduates in foods and nutrition will be serving 12-month dietetic internships in hospitals throughout the United States beginning in August. From left, standing, are Mrs. Gay Crawford of Lubbock, assigned to the V.A. Hospital in Houston; Judy Campbell of 4644 Selkirk Drive, Fort Worth, assigned to Baylor Hospital in Dallas; Elizabeth Burwell of Stephenville, assigned to the New York Hospital in New York City; seated, from left, Ellen Latta of Groom, assigned to the University of Chicago Hospitals and Clinics; and Norma Sue Posey of 410 Park Ave. Abilene, assigned to the V.A. Hospital in Houston.

(TECH PHOTO)

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR SUNDAY

More than 200 young homemakers from wide areas of Texas will converge on the Texas Tech campus Monday (July 6) for the first annual Homemakers College.

Sponsored by Tech's School of Home Economics and the Texas Agricultural Extension Service, the College will feature ideas and inspiration from experienced teachers, but without the addition of examinations and grading of participants.

The one-week meeting is for young homemakers throughout the state who are 35 years of age or under, and who are members of the Texas Association of Young Homemakers and Texas Home Demonstration Clubs.

"Talks, tours and togetherness" will be the order of the week, in a combination of business, pleasure and learning for attending homemakers.

Emphasis will be on topics such as buying and using present-day fabrics, housing for family living, nutrition for family health, understanding children, planning the use of family money and simplifying household tasks.

The young wives and mothers will have the opportunity to learn new ideas for the home, practical know-how, new ideas for leadership in their clubs and information on matters effecting family living.

Mrs. Wildring Edwards, Tech instructor in home and family life, is director for the Homemakers College. Mrs. Edwards reports that additional benefits from the special College will be for participants to enjoy a "learning" vacation, the pleasure of new friends, and a week of "campus life," including residence hall living.

Following registration from 2 to 5:30 p.m. Monday (July 6), a dinner and "get acquainted" session is scheduled in the Tech Union Ballroom.

Tuesday (July 7) registration will continue, with the first general session slated at 8:30 a.m. in the Tech Union.

{more}

Homemakers College - add 1

Mrs. Edwards will preside as Dr. Willa Vaughn Tinsley, dean of Tech's School of Home Economics, welcomes participants and introduces the workshop faculty.

Dr. William Pasewark, professor and head of business education at Tech, will address the assembly on "What Will You Hear This Week?"

After intermission, group meetings will be held from 10 to 11:30 a.m. with classes on major concerns of homemakers.

Group meetings will continue after lunch until the second general assembly from 3 to 4 p.m. Mrs. Bess Rothman Boon, fashion consultant of Neutrogena Corp. in Los Angeles, Calif., will speak on "Is Your Image the Real You?"

"An Evening Together," beginning at 7:45 p.m. Tuesday, will include music by members of the Tech music faculty and a film, "Four Families," to be followed by discussion groups.

At 8:30 a.m. Wednesday (July 8) the general assembly will feature Mrs. Leona Allmon, consumer consultant for the Food and Drug Administration, speaking on "What the Consumer Pays For and Does Not Get."

Group meetings and classes continue through the day until the 3 p.m. general assembly featuring James T. Ellis, judge of Lubbock County Court-at-Law No. 1, speaking on "Legal Rights of Women."

The Wednesday evening program will include a presentation by Mrs. Boon on "The Place of Charm in a Woman's Life."

Thursday (July 9) the 8:30 a.m. general assembly features a talk by Barbara Sommerville, director of the Guadalupe Community Center, on "Mother's Dilemma: Stay Home, Volunteer or Be Employed?"

A film, "The Bright Side," will be shown before continuation of the day's classes.

At 3:45 p.m. "Learning Processes of Children, Ages 6-12" will be discussed by Charles Jones, elementary school counselor in the Lubbock Public School System.

(more)

"Today's Challenge for Tomorrow's Women" will be Dean Tinsley's topic in an address during the evening program at 7:45 p.m. in the Tech Union Ballroom.

The college concludes Friday (July 10), with participants checking out of the residence halls following the breakfast at 7:30 a.m.

Special interest opportunities in the late afternoon of each day's session will include tours of the West Texas Museum and new Tech library, films on "Cancer Detection" and "Roots of Happiness," use of facilities in the Women's Gym, opportunity to take drivers license written and sight tests, and chest X-Rays on the mobile detection unit to be set up by Lubbock County Tuberculosis Association.

Additional special interest opportunities will include group counsel consultation with Mrs. Allmon and Mrs. Boon and a talk on "Art to Enjoy" by Bill Lockhart, professor and head of applied arts at Tech.

Emphasis for this year's Homemakers College group sessions will be in the areas of management, housing, child development, family relations, clothing and textiles, and food and nutrition.

Classes will be conducted in planning for the use of family money; making homes attractive and livable; needs theory as a basis for understanding children; family solidarity with strength, unity and stability; new fabrics for clothes; and nutrition for health.

Morning "singspirations" will be conducted daily at 8 a.m during the workshop in the Tech Union.

Faculty for the Homemakers College will include Miss Graham Hard, Eloise Johnson, Mrs. Sybil Kessler of Mineral Wells, Laura Russell, Patsy Reynolds, Eula Newman and Louise Mason, extension service personnel.

Tech faculty members who will teach in the group meetings are Dr. Gene Shelden, Franz Kriwanek, Mrs. Estelle Wallace, Miss Lola Drew and Dr. Mina Lamb.

(more)

Homemakers College -- add 3

Plans for next year's Homemakers College at Tech include emphases on simplifying household tasks, buying and using mechanical appliances, creativity, families in social change, sewing techniques and shortcuts, and the family's food dollar.

-30-

7-7-2

PANTEX--Douglas V. Sellars, a native of Idaho Falls, Ida., and a recent graduate of Oklahoma State University, has been named as a range management research assistant at Texas Tech's Research Farm near here.

Before coming to Tech, Sellars was involved in rangeland evaluation work with the Bureau of Land Management at Idaho Falls.

His research, under the direction of Tech range management professor Dr. Thadis W. Box, will be concentrated on altering the ecology of West Texas rangelands.

Sellars' work will include interseeding of high producing grasses into abandoned cropland, evaluation of insect populations on plant succession, and determining the influence of burning on production of range grasses.

The Tech research assistant will coordinate the results of his studies with other researchers working on the 14,000-acre Tech farm near Amarillo, to develop better methods of producing grasses from western ranges.

Sellars attended Cameron College, Lawton, Okla., before receiving a bachelor of science degree in range management from Oklahoma State University. He was named most dependable boy at Cameron College. At Oklahoma State, Sellars was a member of the range plant identification team and the American Society of Range Management.

The newest range management research assistant plans to devote his summers to research at the Tech farm and the remainder of the year to on-campus work toward his master of science degree.

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FOR SUNDAY

DOUGLAS, WYO. (Spl) - Rebecca Ramsey, a Texas Tech junior from El Campo, Tex., is the new National Intercollegiate Rodeo Queen.

The dark-haired beauty was crowned during awards ceremonies which climaxed the World's Championship College Rodeo held here.

The new queen is a home economics major during the school year at Tech. She mixes these studies with a generous portion of rodeo excitement by competing in goat tying and barrel racing as a member of the College's girls' rodeo team.

Miss Ramsey was selected "best all-around cowgirl" at both the Oklahoma State University Intercollegiate Rodeo in Stillwater, Okla., and the Tech Intercollegiate Rodeo in Lubbock's Municipal Coliseum this past spring.

As National Intercollegiate Rodeo Queen, Miss Ramsey is eligible to compete for the Miss Rodeo America title in Las Vegas, Nev., later this summer.

In this competition, the Tech cowgirl will attempt to assume the title currently held by Miss Sandi Prati of El Paso.

Tech Rodeo manager Richard Robinson; John Harding; Garland Weeks, treasurer of the Tech Rodeo Association; H.C. Zachry, vice president of the National Intercollegiate Rodeo Association; Miss Jan Vaughan; and Miss Ramsey represented the College at the national championship rodeo.

Miss Ramsey, a Fort Worth sophomore, placed eighth in goat tying here.