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Texas Technological College Department of Public Information Adrian Vaughan, Director

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LUBBOCK --Texas Tech electrical engineering department researchers are "thinking small" these days as they rearrange atomic structures through solid-state electronics research.

The researchers, headed by <u>Dr. Harold A. Spuhler</u>, are working on basic studies in an effort to gain knowledge and ideas about the mystery of solid-state applications to electronics.

"Our work consists of studying the electrical conduction properties of solid material. Most all of these materials will conduct electricity and, by rearranging the atomic structure, we can make the current follow a prescribed pattern to perform a particular function,"

Dr. Spuhler said.

Considerable work has been done in solid-state research during the past 10 years by industry and other institutions. We hope to develop ideas through this basic research program that we can submit to companies involved in electronics and obtain contracts for specific experiments in this field, he said.

The "universe" of the molecule with its "solar systems" of atoms holds many undiscovered benefits for mankind which this basic research at Tech could help discover, according to Spuhler.

The research in solid-state electronics has allowed miniaturization of many products in every day use in addition to its benefits to the study of space.

Probably the best known product of solid-state electronics research is the transistor which substituted solid-state circuits for vacuum tubes and allowed the miniaturization of components needed for space investigation, satellite construction, and many peace-time applications.

The great pressure from the needs of space-age electronics has accelerated the research pace and has had a tremendous impact upon educational institutions.

The needs of industry and the defense program have required that curricula be changed, with emphasis on the understanding of new as well as old phonomena, and on the ability to apply the new material and devices.

At Tech, the electrical engineering department is working with a state grant of \$15,000 per year as they carry out research to learn more of the secrets of the solid-state and their application to the electrical field. Dr. Spuhler said the grant provides funds for only the very basic research needs.

Working with Dr. Spuhler on the project is Prof. Russell Seacat and several graduate students.

In addition to the state funds, gifts by industrial concerns such as Texas Instruments and IBM Corporation have greatly helped the research project since the department does not have the facilities for growing and purifying crystal materials needed.

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LUBBOCK --Fifty elementary principals from 22 area school systems are expected to attend a workshop at Texas Tech Thursday and Friday (Aug. 9-10).

"Role of the Elementary Principal in Improving the Instructional Program" is the theme of the workshop sponsored by the West Texas School Study Council.

Dr. Paul Misner, leading Illinois educator, will be the lecturer during the study program centered around 62 problems submitted by the elementary school principals.

Dr. Misner will organize the 62 items into five or six broad areas for discussion. Some of the items will include elementary testing, grading and promotion, working with underachivers, programmed instruction, migrant children, faculty turnover, new teachers, homework and "team teaching."

The meeting will be held in rooms 205-206 of the Tech Union Building and the first session will begin at 10 a.m. Thursday.

A native of Michigan, Dr. Misner has been superintendent of schools in Glencoe, Ill., since 1935. He has served as a special lecturer in education at Northwestern University and has taught in the summer sessions at the Universities of Michigan, Hawaii, Colorado, Columbia University, Stanford, Utah State College and Drake University.

He was director of the Harvard University Advanced Administrative
Institute for three summers and was director of the Laboratory
Schools at Eastern Michigan University for seven years.

The author of <u>Democracy in School Administration</u>. Dr. Misner has lead the Glencoe schools to nationwide recognition for democratic administration, school-community relations, in-service education, guidance and the recent adoption of a year-round program of teacher employment and service.

He has been president of the American Assn. of School Administrators, and educational consultant for the White House Conference Committee.

Principals will attend from Abernathy, Andrews, Big Spring,
Brownfield, Denver City, Hale Center, Hereford, Kermit, Lamesa,
Levelland, Littlefield, Lubbock, Monahans, Morton, Olton, Petersburg,
Plainview, Post, Seminole, Shallowater, Slaton and Snyder.

###

LUBBOCK --Texas Tech's High School Newspaper-YearbookPhotography Workshop is expected to draw around 175 journalists from
five states to the campus next week (Aug. 12-16).

Advanced registrations indicate this year's workshop will be the largest of the five workshops co-sponsored by the Tech journalism department and the West Texas High School Press Assn.

In addition to several West Texas cities, students will come from as far away as Pulaski, Wisc.; Oklahoma City, Okla.; Grants, Carlsbad and Clovis, N.M.; and Denver, Colo. Representatives will also be here from San Marcos Academy and Sul Ross State Teachers College.

Prof. W. E. Garets, Tech journalism department head and workshop coordinator, said the purpose of the workshop is to help high school students improve their newspaper and yearbook publications and to encourage interest in journalism as a career.

Garets will direct the newspaper sessions, while Ralph Sellmeyer, assistant professor of journalism, will teach the photography courses. Phil Orman, director of student publications, will be in charge of the yearbook section.

Registration begins at 4 p.m. Sunday, with four days of intensive journalism training slated Monday through Thursday.

During the summer program, a special 20-page edition of the Toreador, Tech's camous newspaper, will be printed, along with a special 16-page yearbook.

LUBBOCK --Students attending Texas Tech and 51 other colleges whose agricultural schools participate in the Sears-Roebuck Foundation scholarship program have had better graduation records than the national average and have tended to remain in agriculture-related occupations after leaving school.

These two conclusions came from a comprehensive two-year study of approximately 11,000 Sears Foundation freshman agriculture scholarship winners, which was released by the foundation and deans of the cooperating schools.

At Tech, the report shows that 175 of the approximately 250 recipients of the scholarship awards answered questionaires sent out by Tech. Of those answering the questionaire, 44 listed their present occupations as farmers, 46 as professional and technical workers, three as farm managers, 53 in some phase of management, one sales clerk or worker, one craftsman or foreman, and 27 did not state their occupations since leaving college.

Tech is the only non-land grant institution receiving the Sears awards for its students in agriculture.

The study was based on responses of more than 7,500 of the approximately 11,000 farm youths who have received Foundation freshman scholarships since the program began in 1936.

Of the Sears Foundation students, the survey found that 78.5 per cent earned at least one college degree compared with the national average of 60 per cent of all students who enroll in college.

Three out of four scholarship winners are in occupations related to agriculture today, the survey adds, with the largest percentage, 63 per cent, in occupations directly related to agriculture.

The scholarships were established at five Midwestern land grant colleges in 1936 and expanded until it included all land grant colleges by 1941.

This fall, more than 500 freshman agricultural students will enter colleges with the assistance from the scholarship funds.

LUBBOCK -- "The show must go on, " according to one of Texas

Tech's performers in the Six Flags Over Texas Campus Revue.

Douglas Pummill of Dallas, a May Tech graduate, will be married in Andrews Sunday, Sept. 2, and will be back in the show that night.

He will be whisked by a Six Flags' helicopter to Andrews after the curtain falls on the performance Sept. 1. The next day he will marry Janet Whitcomb, a junior music major at Tech, then will whirlybird back to the amusement park that night.

The wedding will be at 1:30 p.m. in the Means Methodist Church of Andrews, with a short reception following. The couple will leave at 4 parriving in time for Doug to prepare for the first performance at 6:30.

Two more performances will follow at 8 and 9:30 that night, with Janet sitting in the audience.

Doug will play his popular role of the commencement speaker at the fictitious Gilchrest College for the last time on Labor Day, Sept. 3.

"I don't know if I'll want Doug to fall in love with the college president's daughter—the role he's been playing in the musical production," Janet said.

Janet did confess that she wouldn't mind, however, since she had been so proud of her fiance in the show this summer. She has seen the revue about six times—on three different weekends—and enjoys it more each time.

"Because of the large crowd expected at Six Flags over the Labor Day weekend, the producer just couldn't let Doug miss any performance for our wedding," the cute redhead said.

"Therefore, the producer offered to fly Doug at their expense."
(More)

One of the recent visitors to Six Flags was radio-television personality Arthur Godfrey. He was so impressed with the performance of Doug, Sharon Vinyard, Tech singer from Amarillo, and Carl Deese, the emcee from Baylor, that he encouraged them to pursue a show business career.

Doug is one of 21 talented collegians from the Southwest appearing nightly in the novel show. They were selected in auditions last spring.

Immediately following the last show, the newly-weds will come to Lubbock where Doug will sing here on Sept. 4.

The talented twosome will then travel to Parkersburg, W. Va., where Doug will teach music and business at Ohio Valley College and Janet will continue her music studies at Ohio University in Athens, Ohio.

The versatile Pummill received the B.B.A. degree in accounting in 1961 and the B.A. degree in music this past May. A graduate of Dallas' South Oak Cliff High School, at Tech he was a member of the Tech Choir, the Madrigal Singers and the Glee Club.

Janet is familiar to Lubbock music and church circles, having played the piano and organ at Westminster Presbyterian Church and Furr's Cafeterias. She is a member of Mu Phi Epsilon, honorary music sorority; Alpha Lambda Delta, scholastic fraternity for freshman women; and the Tech Choir.

Doug is the son of Mr. and Mrs. Ralph L. Pummill of 4916 Clear Creek Rd., Dallas. Janet is the daughter of Mr. and Mrs. J.A. Whitcomb, Box 516, Andrews.

LUBBOCK --A Texas Tech senior is one of five Army ROTC cadets who received physical proficiency medals at Fort Lewis, Wash., this summer.

He is Gary E. Welch of Post, who scored 491 points out of a possible 500 on the five-part physical fitness test.

There were 1,189 cadets from 41 colleges and universities, with the majority coming from the West Coast. Welch attended the regional camp there since he is working for the Oregon Highway Department this summer.

Welch, along with the other four cadets from Seattle University, Washington State University, Eastern Washington State College and Montana State University, received the awards at the end of the ROTC Summer Camp last week.

Welch is an accounting major in the School of Business

Administration, who will receive the B.B.A. degree and the Army ROTC commission in January. He is a member of Pi Kappa Alpha, social fraternity, and the varsity swimming team.

He is the son of Mr. and Mrs. Ralph Welch, 216 W. 15th St., Post.

Texas Tech's famed Flying Matadors will provide the halftime color at the North-South All Star Basketball game Friday night (Aug. 10) in the Lubbock Municipal Coliseum.

The popular trampoline team, sponsored by the Tech men's physical education department, will present a 15-minute ladder and trampoline act.

Members of the team are Jack Tillinghast, senior physical education major from Lubbock; Joe Don Shockley, senior secondary education major from Perryton; and Kenneth White, senior engineering major from O'Donnell.

Edsel Buchanan, director of men's intramurals at Tech, will emcee the halftime show.

###

Dr. Morris S. Wallace, Texas Tech education department head, will attend the School for Executives in Teacher Education Aug. 19-25 in Flagstaff, Ariz.

The School is sponsored by the 1,900-member American Assn. of Colleges for Teacher Education, of which Tech is a member. Purpose of the conference is to study the critical issues in teacher education.

Dr. Wallace, teacher education director at Tech, will lead one of the group discussions centered on the National Council for the Accreditation of Teacher Education. Tech will be evaluated by the national council in November, 1963.

Texas Technological College Department of Public Information Adrian Vaughan, Director

Seventy elementary principals are attending a two-day workshop centered around 62 education problems Thursday and today (Aug. 9-10) at Texas Tech.

Dr. Paul Misner, superintendent of schools in Glencoe, Ill., since 1935, is the special lecturer. "Role of the Elementary Principal in Improving the Instructional Program" is the theme of the workshop sponsored by the West Texas School Study Council.

The meeting will continue today at 10 a.m. in rooms 205-206 of the Tech Union Building.

Dr. Berlie Fallon of Tech's education department, who is executive secretary of the Study Council, said that 20 more principals than had been expected enrolled for the workshop Thursday.

The principals represent 22 area school systems who are members of the West Texas School Study Council.

###

LUBBCCK -- A one-week course in home nursing will be offered by Texas Tech and the American Red Cross beginning Monday (Aug. 13).

Mrs. Doris Nesbitt, associate professor of home economics, said the course will be open for credit or non-credit enrollment.

Registration for the course will take place Monday morning in the dean of home economics office.

Instructors for the course, which will end Aug. 17, are being provided by the American Red Cross.

###

Forty-nine bilinguists, ranging from six to eleven years old, received certificates Friday (Aug. 10) as they successfully completed Texas Tech's four-week Summer German Kinderschule.

Dr. John Dowling, Tech foreign language department head, awarded the certificates at the ceremonies in the Coronado Room of the Tech Union Building.

The children introduced their parents and guests in German, after receiving recognition from Dr. Dowling. The program was highlighted by the presentation of German songs and skits by the students.

Sui-An Fung, associate professor in Tech's mechanical engineering department, was the principal speaker. Fung has three children--Jean, Joan and John--who received certificates.

Theodore Alexander, associate professor of German and director of the eighth German summer program, introduced his staff. They included Mrs. Phyllis Adair, teaching assistant for the fourth year; Mrs. Janet Knowles Baber, Nancy Keyton and Jean Forrest, all student assistants.

During the Kinderschule, the elementary school students learned songs, parts of the body and conversational phrases in German. The students will have an opportunity to review their German next spring one day a week from Jan. 31-March 14.

Following the program, refreshments were served to the nearly 200 people attending.

Texas Technological College Department of Public Information Adrian Vaughan, Director

High school newswriters from throughout Texas and surrounding states will begin registering today (Sunday) for the fifth annual West Texas High School Press Assn. workshop at Texas Tech.

Sponsored by the Tech journalism department and the association, the four-day meeting will cover newspaper and yearbook writing and editing and photography techniques.

Prof. W. E. Garets, Tech journalism department head, said 157 students from Texas, Oklahoma, New Mexico, Colorado and Wisconsin have already pre-paid registration fees and total enrollment may exceed 175.

The students will pick up registration forms between 4 and 6 $p_{\circ}m_{\circ}$ today in the Journalism Building.

First session is slated at 9 a.m. Monday in the Agricultural Auditorium when the participants will hear Joe Riordan, division director, public relations, Southwestern Bell Telephone Co.

Garets will direct the newspaper workshop and Phil Orman, Tech student publications director, will supervise the yearbook workshop. The photo-journalism division will be headed by Ralph Sellmeyer, assistant professor of journalism.

Consultants for the yearbook workshop will be Charles Dolan of Taylor Publishing Co. and John Lange, American Beauty Cover Co.

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During the summer program, a special 20-page edition of the Toreador, Tech's campus newspaper, is being printed, along with a special 16-page yearbook.

LUBBOCK --Staff members have been named for the publications of the West Texas High School Press Assn. Workshop at Texas Tech this week.

A special 20-page edition of the Toreador, Tech's campus newspaper, is being printed, along with a special 16-page yearbook.

Gloria Brown of Monterey High School, Lubbock, is editor of the newspaper and Betsey Wright of Sul Ross State College, Alpine, is editor of the yearbook.

Other members of the newspaper staff include David Turner,
Midland, managing editor; Kent Hopper, Carlsbad, N.M., assistant
managing editor; Roger Byles, Andrews, news editor; Kelly Morris,
Perryton, assistant news editor; and Carol Jones, Tascosa High School,
Amarillo.

Rounding out the newspaper staff are Jim Reeves, Carlsbad, N.M., sports editor; Larry Fayan, Floydada, copy editor; Pauline Edwards, Lubbock High School, assistant copy editor; Carole Sinclair, Palo Duro High School, Amarillo, feature editor; and Betsey Jarrett, Tascosa High School, Amarillo.

The yearbook staff includes Kay Cox, Andrews; Pat Cooper,
Matador; Monette Boyette, Stephenville; Jim Bergner, Stinnett; Kay
Williamson, Lubbock High School; and Jody Salter, Permian High School,
Odessa.

The newspaper-yearbook-photography workshop ends for the 165 high school students Thursday afternoon (Aug. 16). Prof. W.E. Garets, Tech journalism department head, is director of the workshop.

Texas Technological College Department of Public Information Adrian Vaughan, Director

Dr. David H. Kelley, associate professor of anthropology at Texas Tech, will attend the 10-day International Conference of Americanists Aug. 15-25 in Mexico City.

Dr. Kelley will present a paper, entitled "Knife Wing," concerning a Indian myth of a man-eating bird. He will also present a paper on "The Linguistic Evidence of a Connection Between Indian-America and Polynesia" during a symposium.

Mrs. Kelley and their two children are accompanying him to the sixteenth international meeting.

###

LUBBOCK --Dr. John D. Moseley, president of Austin College in Sherman, will be principal speaker at Texas Tech's summer commencement Aug. 25.

More than 500 undergraduate and graduate degrees currently are scheduled to be awarded during the 7:15 p.m. ceremonies in air-conditioned Lubbock Municipal Auditorium.

Dr. Moseley has been president of the Presbyterian college since 1953. Prior to his present position, he worked for the state and federal governments regionally and in Washington, D.C.

He organized and was the first executive director of the Texas Legislative Council from 1950-53.

A native of Greenville, he received the B.S. degree from East

Texas State College, the M.A. in public administration from the

University of Texas and the LL.B. from the University of Texas Law

School. He has received honorary Doctor of Laws degrees from Midwestern

University at Wichita Falls and Trinity University at San Antonio.

He is currently president of the National Council of Protestant Colleges and Universities. He is past president of the Texas Council of Church-Related Colleges, Presbyterian Educational Assn. of the South and the Assn. of Texas Colleges and Universities.

Dr. Moseley is a member of the American Political Science Assn.,
American Society of Public Administration and the Academy of Political
and Social Science. He is past president of the Sherman Chamber of
Commerce.

He has been a member of the Synod's Council and Moderator of the Synod of Texas, U.S. Presbyterian Church since May. He also is a ruling elder of the First Presbyterian Church in Sherman.

He is married to the former Sara Bernice Honea, and they have three children.

Texas Technological College Department of Public Information Adrian Vaughan, Director

Texas Tech's four-day summer journalism workshop comes to a close today (Aug. 16) when 165 high school students receive their certificates.

Prof. W. E. Garets, journalism department head and workshop director, will award the certificates at the 3:15 p.m. ceremony in the Aggie Auditorium.

Students from 50 high schools in six states have been learning techniques in newspaper, yearbook and photography. During the course, the students have been editing a 20-page newspaper and a 16-page yearbook section.

The fifth annual workshop has been sponsored by the Tech journalism department and the West Texas High School Press Assn.

The workshop staff is composed of Garets, who has directed the newspaper section; Ralph Sellmeyer, photography; and Phil Orman, yearbook.

Other workshop leaders have been Mrs. Betty Stanley, Monterey
High School, who is president of the faculty section of the West
Texas High School Press Assn. Miss Donna Damron of Lubbock High School
is president of the student section.

Texas Technological College Department of Public Information Adrian Vaughan, Director

LUBBOCK --Fourteen Texas Tech Army ROTC cadets will be commissioned as second lieutenants in ceremonies Saturday (Mery 25) at Tech.

The commissioning exercises, to be attended by relatives and friends of the cadets, will be held at 10 a.m. in the Tech Union Ballroom.

Dr. Floyd D. Boze, dean of admissions and registrar at Tech, will speak.

The commissioning ceremony will be one of the activities held in conjunction with summer commencement, which is scheduled for 7:15 p.m. in the air-conditioned Lubbock Municipal Auditorium. Most of the cadets will receive their academic degrees at that time.

The cadets and their assignments are as follows:

- ALPINE--Terry D. Beckett, son of Mrs. T.M. Beckett, 1504 N. 7th St., Alpine. B.A. degree candidate. Assigned to Artillery branch.
- CANADIAN-John E. Grist, son of Mrs. Charlene Grist, Canadian.
 Industrial Management Major, B.B.A. degree candidate.
 Assigned to Adjutant Generals Corps. One of two
 Distinguished Military Graduates.
- DALLAS--Robert D. Hurlbut, son of Mr. and Mrs. J.C. Hurlbut, 6119 Bandera, Dallas. English major, B.A. degree candidate. Assigned to Adjutant Generals Corps.
- FORT WORTH--William H. Frawley, son of Mr. and Mrs. W.H. Frawley, 7201 Richlynn Terrace, Fort Worth. Mathematics Major, B.S. degree candidate. Assigned to Artillery branch.

John P. Joseph, son of Mr. and Mrs. L.M. Joseph, 3548 Hill Top Road, Fort Worth. Traffic Management major, B.B.A. degree candidate, Assigned to Transportation Corps.

(More)

- HEREFORD—Norman B. Bookout, son of Mr. and Mrs. Hugh B. Bookout, 511 Schley, Hereford. Mathematics major. B.S. degree candidate. Assigned to the Artillery branch.
- LIPAN--John P. Ford, son of Mr. and Mrs. Jack Ford, Route 2, Lipan.
 Agriculture engineering major. B.S. degree candidate.
 Assigned to the Artillery branch.
- LUBBOCK--David Armstrong, son of Mr. and Mrs. D.E. Armstrong, 2616 46th St. Finance major. B.B.A. degree candidate. Assigned to Finance Corps.
 - Martin L. Jones, son of Mr. and Mrs. Lynn Jones, 2105-33rd St. Music major. B.A. degree candidate. Assigned to Infantry branch.
- MIDLAND--Don C. Cox, son of Mr. and Mrs. N.R. Cox, 3100 Princeton, Midland. Mechanical engineering major. B.S. degree candidate. One of two Distinguished Military Graduates. Assigned to Corps of Engineering.
- QUANAH--Lester N. Berry, son of Lester Berry, 809 Shaw, Quanah.
 Physics major. B.S. degree candidate. Assigned to Signal Corps.
- ROUND UP-Clifford N. George, son of Mr. and Mrs. Wayne George, Round Up. Finance major. B.B.A. degree candidate. Assigned to Infantry branch.
- TYLER--Ned K. Burleson, son of Mr. and Mrs. Harold L. Burleson, 1423 N. Confederate, Tyler. Civil engineering major. B.S. degree candidate. Assigned to Corps of Engineers.
- WICHITA FALLS-James N. Embree, son of Mr. and Mrs. E. Embree, 1639
 Howes, Wichita Falls. Management major. B.B.A.
 degree candidate. Assigned to Oxdnance Corps.

OUT OF STATE

LUBBOOK ---Texas Tech has more than 500 candidates for degrees at summer commencement Aug. 25.

Dr. John D. Moseley, president of Austin College, Sherman, will give the principal address during the exercises at 7:15 p.m. in the air-conditioned Lubbock Municipal Auditorium.

Dean James G. Allen, dean of student life, will serve as master of ceremonies for the activities. Dr. R. C. Goedwin, Tech president, will introduce the speaker and confer the degrees.

Candidates for undergraduate degrees, by School, include: SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

BFIRUT, LEBANON-Samir Said Abou-Said, mathematics major.

CARLSBAD, N.M.--Roger Lee Jay, mathematics major. He is the son of Mr. and Mrs. T. C. Jay, 610 N. 3rd.

MEXICO, D. F .-- Richard William Argudin, mathematics major.

Bachelor of Science

ALBUQUERQUE, N. M. -- John Francis Tiernan, mathematics major, of 705 Quincy.

KUWAIT, ARABIAN GULF -- Fuad Rashad Khorsheed, mathematics major.

OKLAHOMA CITY, OKLA. -- Robert W. Bashe II, chemistry major, of 1406 Downing.

SCHOOL OF AGRICULTURE

Bachelor of Science

PHOENIX, ARIZONA-James Edwin Pumphrey, animal husbandry major, of 4427 N. 30th Dr.

SCHOOL OF HOME ECONOMICS

Bachelor of Science

MINNEAPOLIS, MINN. -- Patricia Rudy Beeler, applied arts major, of 4807 Maple Rd.

summer graduates

Add #1

OUT OF STATE

SCHOOL OF ENGINEERING

Bachelor of Architecture

ROSWELL, N. M.--Leslie Raymond Thompson, design option major, of 1116 S. Pennsylvania.

Bachelor of Advertising Art and Design

WATSONVILLE, CAL .-- Trula Frances Lamont.

Bachelor of Science in Chemical Engineering

COLORADO SPRINGS, COLO. -- James Harmon Fowler, of 2422 Lark Dr.

Bachelor of Science in Electrical Engineering

CHICAGO, ILL .-- Bennie Tse, of 2315 Wentworth.

DICKSON, TENN. -- Bobby Dale Talbert, of 521 Church.

HOBBS, N. M. -- Jesse Ben Raley, 709 E. Llano.

LITTLETON, COLO .-- Dale Vernon Woodruff, 5728 Hickory Way.

OAKLAND, CALIF .-- Robert Michael Silva, 9913 Pippino

Bachelor of Science in Engineering Physics

RADCLIFF, KY .-- Richard Domenick Catero, Box 489.

Bachelor of Science in Industrial Engineering

RESEDA, CALIF. -- Stephen Harrington Birgel III, 6844 Yarmouth Ave.

A surge of requests for specialized teachers is being felt at Texas Tech's Placement Service.

The requests for mathematics, science and foreign language teachers have been pouring into the office from every corner of the United States, according to Mrs. Jean Jenkins, Placement Service director.

She emphasized that the requests are for places to be filled by this September.

Her files reveal that the Tech office has received 117 requests for mathematics and combination science teachers, but only 27 of the Tech graduates in her files were qualified and available to fill the positions.

The science teachers' picture is much more alarming. Of the 125 requests, only two Techsans were qualified in chemistry and three in biology. In fact, one small high school requested five science teachers.

The foreign language picture was even more dismal. Seventy Spanish teaching positions are available in the Tech office, with only three 1962 Tech graduates able to fill these.

There were no qualified teachers for Latin or Russian, Mrs. Jenkins said.

These requests have come from high schools, junior colleges and some senior institutions from over the United States.

Mrs. Jenkins thinks that this shortage of qualified specialized teachers is a mere 'carry-over' from 25 years ago when unqualified persons were teaching many courses at the superintendents' requests.

"More attractive school systems are 'pulling' the qualified teachers into these fields, while the smaller schools are being forced to bring in less qualified teachers," she said. "These less qualified must then teach courses in which they have little or no training."

Typical of the many positions to be filled is a request for a teacher of the Swahili language. The posting is from the U.S. Army Language School in Presidio of Monterey, Calif.

"We have even been besieged by schools looking for engineering majors to teach math and science because of the shortage," she said.

"And some of the salaries are rather flattering."

Just last week the Tech director received a phone call from the Peace Corps in search for physical education majors or minors who could speak Spanish and/or French. The positions were open in the secondary education system of Colombia, South America.

The Corps also needed men with physical education backgrounds to coach national and regional Olympic teams in Africa.

A teacher from California, who was visiting in the Tech Placement office, told of the new ruling in California when by 1965 all students in the sixth grade must be taking a foreign language.

He emphasized the shortage of qualified teachers would be magnified at that time. He said that some teachers in the mountain areas are now teaching grades one through eight.

Mrs. Jenkins feels this shortage is a national trend, because of the number of schools in Colorado, New Mexico and California who come to Tech each year to interview students. She said that more states would interview here if more prospective teachers were available.

SPECIAL TO A-J FOR SUNDAY

"Where are the North Americans today?" the Argentines asked the day after the 46 Texas Tech summer language institute participants left San Miguel de Tucuman.

After eight weeks in the northern Argentine province, the last of the participants departed Aug. 5 to 21 different states of the U.S., according to Prof. A. B. Strehli of Tech, the institute director.

"Neither the participants nor the city are the same as before their coming, for each has left a decided impression on the other," Strehli writes.

During their stay, the 46 graduate students came to know every section of the city. As part of their field work, they visited representative institutions of all kinds and people of every class and occupation.

"One week a group of them interviewed the governor of the province in the governmental palace, and the next week some of the same group were talking to residents of the 'villa miseria,' or shanty town, on the outskirts of the city," Strehli said.

The group spent the mornings attending classes and lectures to learn the Tucuman language and culture, while their evenings were occupied with field work, plays, concerts and special functions arranged in their honor.

Some studied folk dancing in an academy, and one of the North Americans gave lessons in American-style wrestling in a local athletic club. Others gave talks to night schools, womens' clubs and service organizations.

"Although many Tucumanians, we found, belong to political parties with an 'anti-Yanqui' bias, no one ever showed the least personal animosity toward their guests," the Tech professor writes.

"On more than one occasion, the Argentines, who heard the participants speak, arose from the audience to tell the speaker that he had been convinced North Americans are not nearly so bad as the movies had led them to believe."

In addition to trips out of town to study the sugar cane harvest and sugar refining in the mills, several visits were made on Sunday to nearby communities. The highlight was an excursion to the resert area of Tafi del Valle on the last Sunday of the course.

Professor Strehli writes that "it was a very bright winter day when two bus loads of participants reached the foothills of the Aconquija Mountains which rise just west of the city. After arriving in the luxuriantly tropical valley, the buses arrived at a small resort town ringed by villas dotting the surrounding slopes."

On the broad terrace of one of the houses, the North Americans were treated to an "asado," the traditional outdoor feast of Argentina. There they learned that countless miles of the mountains and valleys of the area had been in the possession of the family of their host since the days of the Spanish Conquest.

Arriving back in Lubbock next week after the eight-week venture will be Strehli, Mrs. Susan Ubal and Dr. and Mrs. Harley Oberhelman, all of the foreign language department, and Dr. Sam Schulman of the sociology department. The two staff assistants—Rosemary Patterson of Amarillo and Olivia Alvarado of Midland—will return to Tech, where they are majoring in foreign languages.

LUBBOCK --- A well-known range management specialist, Dr. Thadis
Wayne Box, will join Texas Tech's agronomy department Sept. 1.

Dr. Box, a native Texan, has written more than 15 range and wildlife publications in recent years and has spent the past three years at Utah State University where he was associate professor of range management.

"Tech is very fortunate to have Dr. Box join our staff. He is very capable and we expect him to strengthen our range management program which has shown a marked growth," according to Dr. Gerald Thomas, dean of agriculture at Tech.

Dr. Box will spend half of his time teaching at Tech and the other half at Tech's Research Farm near Amarillo where he will conduct range management experiments.

Dr. Box was born in Llano County, Texas. He received his Bachelor of Science degree in Agriculture from Southwest Texas State College and his Master's and Doctor's degrees from Texas A&M.

In addition to being a college professor, Dr. Box has worked as a rancher, farm editor and a research fellow at the Welder Wildlife Foundation near Sinton, Texas.

He is a member of the American Society of Range Management, Ecological Society of America, Wildlife Society, American Assn. for Advancement of Science, American Institute of Biological Sciences, American Assn. of University Professors, and Sigma Xi,

In addition to his teaching and research duties at Tech, Dr. Box will be employed by the Welder Foundation during the summer months.

Texas Tech will confer more than 500 degrees at summer commencement at 7:15 p.m. Saturday in the Lubbock Municipal Auditorium.

Currently, 82 masters degrees and two doctorates are scheduled to be conferred, in addition to the some 400 bachelors degrees.

Dr. John D. Moseley, president of Austin College, Sherman, will be the principal speaker. He has been president of the Presbyterian college since 1953 and is currently president of the National Council of Protestant Colleges and Universities.

Graduation activities begin at 8:30 a.m. Saturday with rehearsals. By noon, all degree candidates must have obtained their academic regalia from the College Bookstore.

A meeting of the Tech Board of Directors will begin at 9:30 a.m. that same morning.

The Army and Air Force ROTC units will commission cadets in separate ceremonies Saturday morning. The Army exercises will be held at 10 a.m. in the Tech Union Ballroom for the 14 cadets. Dr. Floyd D. Boze, dean of admissions and registrar at Tech, will speak.

The Air Force will commission seven cadets as second lieutenants at a 10:30 a.m. ceremony in the Tech Union Coronado Room. Principal speaker will be Col. Leonard R. Hall, the Air Force Plant representative at General Dynamics, Fort Worth.

Tech President and Mrs. R. C. Goodwin will honor the graduates, their parents and friends at the annual reception from 3:30-4:30 p.m. in the Union Building.

The graduation exercises begin at 7:15 p.m. with Dean of Student Life James G. Allen as master of ceremonies.

Dr. Judson Maynard of the Tech music faculty will play the organ processional, Widor's "Moderato," followed by the invocation from the Rev. Andrew A. Jumper, First Presbyterian Church.

Mrs. Dorothy Pijan, Tech music graduate, will sing "Put on the Whole Armour of God." Dr. Goodwin will then introduce Dr. Moseley.

After the conferring of degrees by Dr. Goodwin, the Rev. Calvin W. Froehner, St. John's Methodist Church, will deliver the Benediction.

"Choral Song" will provide the music for the recessional of the graduating class.

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LUBBOCK --Seven Texas Tech Air Force ROTC cadets will be commissioned as second lieutenants in the Air Force Reserve Saturday (Aug. 25) at Tech.

The commissioning exercises will be at 10:30 a.m. in the Coronado Room of the Tech Union. The cadets have completed requirements for an academic degree and a four-year air science course at Tech.

Guest speaker for the ceremony will be Col. Leonard R. Hall, Air Force plant representative, General Dynamics, Fort Worth. His son, Jack R. Hall, will be commissioned and has been designated a Distinguished AFROTC Graduate.

Lt. Col. George R. Hull of the Tech AFROTC staff will present the commissions to the new officers. The ceremony will be one of the activities held in conjunction with summer commencement, scheduled for 7:15 p.m. Saturday in the air-conditioned Lubbock Municipal Auditorium.

Those to be commissioned as second lieutenants are:

FORT WORTH—Jack R. Hall, electrical engineering major. Son of Col.
Leonard D. Hall, the guest speaker, he will enter active
duty during September 1962 at Texas Tech to earn a masters
degree in electrical engineering under the Air Force
Institute of Technology program. Lt. Hall has been
designated a Distinguished AFROTC Graduate, which is the
highest honor in the college program. He is the son of
Colonel and Mrs. Hall of 6463 Floyd Dr., Fort Worth.

LUBBOCK--Elton P. Avara, mathematics major, will enter active duty
Aug. 28, reporting to Texas A&M College to attend meteorology
training under the Air Force Institute of Technology program.
He is the son of Mrs. Alice Marie Frazier of 1306 23rd, Lubbock.

Horace P. Holland Jr., accounting major, will enter pilot training Nov. 20, 1962. He is the son of Mr. and Mrs. Horace P. Holland Sr. of 3509 38th, Lubbock.

- MT. PLEASANT--James R. Langley, traffic management major, will enter pilot training Jan. 16, 1963. He has been designated a Distinguished AFROTC Graduate, the highest honor a cadet can receive in ROTC. He is the son of Mr. and Mrs. James O. Langley of 1003 W. 7th, Mt. Pleasant.
- MULESHOE--James C. Browder, government major, will enter pilot training Nov. 20, 1962. He is the son of Mr. and Mrs. Lowell C. Browder of Route 2, Muleshoe.
- PLAINVIEW--Jerry P. Bateman, bacteriology major, will report to the Air Defense Command, Red Bluff, Calif, for his permanent duty assignment. He will report to Tyndall Air Force Base, Fla, prior to reporting to his permanent duty station to attend technology school as a Weapons Controller Officer. He is the son of Mr. and Mrs. Walker H. Bateman, 1500 W. 7th, Plainview.
- RADCLIFF, KY.--Richard D. Catero, engineering physics major, will enter active duty Aug. 28, 1962, reporting to Texas A&M College to attend meteorology training under the Air Force Institute of Technology program. He is the son of SFC and Mrs. Troy G. Reynolds of Radcliff, Kentucky.

Texas Technological College Department of Public Information Adrian Vaughan, Director

Region III

LUBBOCK --- Texas Tech has more than 500 candidates for degrees at summer commencement Aug. 25.

Dr. John D. Moseley, president of Austin College, Sherman, will give the principal address during the exercises at 7:15 p.m. in the air-conditioned Lubbock Municipal Auditorium.

Dean James G. Allen, dean of student life, will serve as master of ceremonies for the activities. Dr. R. C. Goodwin, Tech president, will introduce the speaker and confer the degrees.

Candidates for undergraduate degrees, by School, include: SCHOOL OF AGRICULTURE

Bachelor of Science

BRADY---Johnny Clinton Miller, animal husbandry.

GATESVILLE---Elaine Asher Woodson, animal husbandry.

LIPAN---John Paul Ford, agricultural engineering.

PARIS---Richard L. Turner, agricultural education.

SAMNORWOOD --- Harvey Pat Bradley, agricultural education.

SHINER---Dominic L. Mladenka, dairy industry.

STEPHENVILLE --- Garvin E. Hendon, range management option.

VERNON---Joe Frank Lowe, agronomy.

SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

CORPUS CHRISTI --- Norman Gale Orr, Spanish.

EDINBURG --- Danelle E. Schultz, economics.

GALVESTON --- Duane Harvey Lowe, chemistry, of 1302 Bayou Shore Dr.

GOODLAND --- Nan Rose Johnson, history.

MINERAL WELLS---Jo Ellen McCloud Murphy, English.

add l region III graduation

PORT ARTHUR---Charles Merrill Anderson, mathematics, of 3333 9th, Dixon Edward Hall, mathematics, of 3835 John.

SANTA ANNA---Tommy Southern Starnes, mathematics.

SEYMOUR---Jo Anne Gilbert, history.

SUMMERFIELD --- Robert Lee DeLozier, mathematics.

TYLER --- Robert Allen Wymer, chemistry, of 3318 Keaton.

WACO---Claude Raymond Perry, Jr., mathematics, of Sherwood Forest.
Barbara Ann Moore, mathematics, of Route 4.

WICHITA FALLS --- David Lockwood Hatch, government, of 2112 Jones.

Bachelor of Science

ATHENS --- Michael Charles Dean, physics.

GEORGETOWN---Jimmy Dale Glover, chemistry.

LAREDO---Nat Forrest Shaifer, geology.

MISSION---James Robert Johnson, mathematics.

STEPHENVILLE---Robert Bitts Palmer, mathematics.

TYLER---Walter Lovic Cain Jr., mathematics, of 2329 Jacksonville Rd.

Bachelor of Science in Education

BAYTOWN --- Carol Jean Hill, elementary education.

BRADY---Georgine Purcell Caylor, elementary education.

SAN ANTONIO --- Patricia Ann Jonietz, speech, of 715 Rice Rd.

WACO --- Vivian Word Andrews, elementary education, of Box 407, Rt. 2.

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

ARLINGTON---Beverly Ann Johnson, finance, of 1004 Ridgewood.

AUSTIN---Richard Elliott Boyd, advertising, of 1903 Corona.

BAYTOWN---Carolyn Maude Hill, business education.

CACTUS---Robert Gordon Holdcroft, management.

DE LEON---Michael Lynn Cook, accounting.

add 2 region III graduation

DEL RIO---Richard Dorman Phelps, marketing.

FORNEY --- Robert Lynn Venner, management.

GRANDBURY---John Lynn Kennon, management.

GRANDFALLS --- Darrell Von Watson, management.

GRAND PRAIRIE --- Billy Ronald Langford, advertising.

GRANITE --- Charles Rayworth Mitchell, accounting.

HILLSBORO---Bobby Eugene Mackey, finance.

JONESBORO --- Jerry Pittman Smith, accounting.

KERRVILLE --- Karl Albert Ransleben, accounting.

KILGORE---George Thomas Matson, finance.
Beverly Joan Still, business education

KRESS---Charles Floyd Reinhardt, accounting.

MARLIN---Larry Wayne Wilson, management.

MT. PLEASANT --- James Roberts Langley, management.

PARIS --- Pat Lamoine Coplin, retailing.

STEPHENVILLE --- Henry Franklin Wood, accounting.

VERNON---Dale LaRue Coleman, accounting.

WICHITA FALLS---James Henry Prentice, accounting, of 1606 Singleton.

SCHOOL OF ENGINEERING

Bachelor of Science in Chemical Engineering

GLADEWATER --- James Edward Best

GOODLAND --- Thomas Robert Sowder

HITCHCOCK---Michael Hahn Laird

LANCASTER --- Marvin Wayne Bryant

RANGER---Alan David Lewis

WINNSBORO -- Roy Eudy Hinkley

Bachelor of Science in Civil Engineering

MAUD --- Jerry Milton Holley

NEDERLAND --- Garland Ellsworth Robbins

TEMPLE --- Bert Edward Pope

TYLER --- Ned Kenneth Burleson, of 1423 N. Confederate.

Bachelor of Science in Electrical Engineering

BOWIE --- Billy Lavaughn Medley

DENISON --- James Doylton Cherry

IRVING---Richard Tully Tarrant

KILGORE---Roger Gaines Bagwell II

LA MARQUE---Robert David Jones

STEPHENVILLE --- Milton Wayne Fenner

WICHITA FALLS --- John Cecil Cupit

WOODVILLE --- Gaston Azell Tesson

Bachelor of Science in Industrial Engineering

McALLEN---George A. Schultz, W. Hiwy. Motors

WACO --- Leslie Homer Moeller, of 125 Darden Dr.

Bachelor of Science in Mechanical Engineering

ALICE --- Albert Murphy Allison Jr.

BEAUMONT --- Robert Elden Dragoo Jr., of 3653 Bryan.

LINDEN---Billy R. Beene

TEMPLE---Bert Edward Pope

Bachelor of Science in Petroleum Engineering

BOWIE---Ronald Dee Morris

LONGVIEW -- Frank Oscar Thurman Jr., of Rt. 5.

add 4 region III graduation

Bachelor of Science in Home Economics

CARROLLTON---Mary Elizabeth Gustwick

KERRVILLE---Barbara E. Kullenberg

LAMPASAS---Charlotte Craft Myrick

MERCEDES---Bonnie Heggen Winston

WEATHERFORD---Lou Ivoni Collins

WHARTON---Doris E. Hobson

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Region II

LUBBOCK --- Texas Tech has more than 500 candidates for degrees at summer commencement Aug. 25.

Dr. John D. Moseley, president of Austin College, Sherman, will give the principal address during the exercises at 7:15 p.m. in the air-conditioned Lubbock Municipal Auditorium.

Dean James G. Allen, dean of student life, will serve as master of ceremonies for the activities. Dr. R. C. Goodwin, Tech president, will introduce the speaker and confer the degrees.

Candidates for undergraduate degrees, by School, include: SCHOOL OF AGRICULTURE

Bachelor of Science

ABILENE -- Bruce A. Boyd, agricultural economics, of 3636 Hickory.

GARDEN CITY --- Jimmy Wayne Davee, agricultural education.

HAMLIN---Lewis Mac Reid, agricultural education.

SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

BIG SPRING---David DeVere Chamberlin, psychology, of 825 Bonnie Clare. CRANE---Alfred Duane Neill, government.

EL PASO---Marjorie Lynn Martin, English, of 2412 Frankfort.

MIDLAND --- Wancy Carolyn McCall, sociology, of 2212 Princeton.

ODESSA---Judith Calmes Hawkins, history, of 403 E. 38th.
Barbara Ann Herrscher, English, of 1614 W. 20th.
Ronna LaDean Clark Stuckey, English, of 2110 W. 14th.

SAN ANGELO---Freddie Bowen Gauntt, psychology.

SEMINOLE---Anita Louise Aguilar, zoology.

STERLING CITY---Joseph Walter Emery, government.

Bachelor of Science

EDEN --- Weldon Clayton Thompson, geology.

HERMLEIGH -- Donald Joe May, mathematics.

MIDLAND --- Jerry Wayne Gerald, zoology, of 1400 College.

ODESSA---Morris Wade Smith, bacteriology, of 1704 S. Company Rd.

SAN ANGELO---Charles Wayne Blumentritt, mathematics.
Homer Irwin Henderson Jr., physics.

SEMINOLE --- Jack Thompson Mock, geology.

SWEETWATER---Morris Byrd Baxter, geology.

Bachelor of Science in Education

ANDREWS---Randall George Pendleton, social science.
Fred Mitchell Satterwhite, general science.

BIG SPRING---David Gordon Wilson, mathematics, of 1300 Pennsylvania.

BRONTE --- William Travis Spiller, physical education.

HERMLEIGH --- Ola Throys Nachlinger, English.

LAMESA --- Wanda June Addison, elementary education.

MIDLAND -- Betty Janell Garrett, elementary education, of 409 Cedar.
Mary Deane Lynn, physical education, of 1707 Holloway.

ODESSA---Julie G. Lloyd, elementary education, of 206 Sunset. Jeanne Purswell Stark, mathematics, of 3611 Dawn. Harold Wayne Stuckey, history, of 2110 W. 14th.

PECOS -- Cathryn Susann Couch, elementary education.

WELCH---Alice B. Gunn, elementary education.

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

ABILENE --- Jesse Edmond Carpenter, finance, of 2263 S. 34th.

ANDREWS---Michael Grant Seay, marketing.

BIG SPRING---Michael Ray Musgrove, management, of 1409 Tuscon.

KERMIT --- Fredrick Nelson Howell, accounting.

LAMESA --- Ronald Owen Kutch, finance.

MIDLAND --- Carl Otis Hyde Jr., marketing, of 1909 Holloway.
Rebert Gadsden Jenkins, finance, of 604 E. Broadway.

ODESSA---Tine Eugene Davis, marketing, of 1708 W. Crescent.
Charles Edward Dyson, management, of 1529 Beverly.
Tommie Wallace Larkin, management, of 200 Sunset.
Richard Wayne Murphy, management, of 1312 N. Golder.

PRESIDIO --- Thomas Edgar Link, finance.

ROBY --- Bettye Jo Davis, advertising.

SAN ANGELO---Michael Underwood Ellington, retailing.
Paul Lawrence Fauley, accounting.

SEMINOLE --- Eddie Don Moore, accounting.

STAMFORD --- Sara Layne Ekdahl, business education.

James Stephen Watts, marketing.

SCHOOL OF ENGINEERING

Bachelor of Architecture

IRAAN---Frank Hall Hefley Jr., design option.

Bachelor of Science in Chemical Engineering

BALLINGER --- Charles David Stubblefield

Bachelor of Science in Civil Engineering

WINTERS---Billy Lawrence Jacob

Bachelor of Science in Electrical Engineering

ANDREWS --- Julian Curtis Hart.

BIG SPRING--- Elbert Claude Miller Jr., of 205 W. 9th.

SEMINOLE---Albert Lawrence Kirk

Bachelor of Stience in Mechanical Engineering

ABILENE --- Larry Bryan Green, of 610 Jefferson Dr.

LAMESA---Doyle Wesley Cornett

MIDLAND --- Donn Crawford Cox, of 3100 Princeton.

SAN ANGELO --- Charles Ray Foreman, of 1905 S. Lincoln.

add 3 region II graduation

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

EL PASO---Sue Ellen Bailey, home economics education, of 3043 Monroe.

SYLVESTER----Sarah Patricia Beck Sims, home economics education.

VAN HORN----Jomilee Jane Lomax Chappell, general home economics.

LUBBOCK --- The first annual Ranch Management Conference will be held on the Texas Tech campus Sept. 7 to bring ranchers and range management personnel together.

The conference will begin at 9 a.m. with registration and coffee in the Ballroom of the Tech Union. The program will start at 9:30 a.m. when Dr. Gerald Thomas, dean, School of Agriculture, and Dr. Donald Huss, president, Texas Section of the American Society of Range Management, welcome the guests.

Dr. Thomas said there has been a pressing need for this type conference for years to acquaint the ranchers and range management people with the latest information on brush control, grazing systems, stocking rates, poisonous plant problems, wildlife management, range reseeding and other problems which concern the West Texas ranchers.

Speakers for this year's conference include Thomas V. Copeland, range manager for the Post-Montgomery estate; Tad Moses, agricultural editor, Texas A&M; C. A. Rechenthin, state soil conservationist, SCS; Dough Robinson, state soil conservationist, SCS; W. J. Waldrip, Texas Experimental Ranch, Throckmorton; Jim Barron, manager, Spur Headquarters Ranch; and J. L. Schooler, rancher, Morton.

This year's program is sponsored by Texas Tech; American Society of Range Management, Texas Section; U. S. Soil Conservation Service; Texas A&M College System; West Texas Chamber of Commerce; and the Lubbock Chamber of Commerce.

Region I

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Candidates for undergraduate degrees, by School, include: SCHOOL OF AGRICULTURE

Bachelor of Science

ADRIAN --- Davis Lee Brown, agricultural education.

AMARILLO---Edgar Earl Hunter, animal husbandry of 3306 Linda Dr.

CROSBYTON -- Norman W. Brints, agricultural economics.

FRIONA---Jimmy Mabry, agronomy.

HASKELL---John Haskell Stone, horticulture option.

LEVELLAND --- Charles Mack Hicks, agricultural economics.

LOCKNEY --- Kelly Max Harrison, agricultural economics.

McLEAN---James Archie Dwyer, agronomy.

MULESHOE -- Hirum Eugene West, agricultural engineering.

MUNDAY --- Don Fleyd Bowman, animal husbandry.

SLATON---Joe Bob Jones, agricultural education.

SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

BORGER---Timothy U. Robertson, psychology.

FLOYDADA---Carolyn Kaye Williams, sociology.

HALE CENTER --- Lynda Kay Hobbs, sociology.

LEVELLAND --- Elbert Magee Marcom, English.

LORENZO---Jerry Carter Green, government.

MULESHOE --- James Curtiss Browder, government.

PAMPA--Dan J. Dial, government.

Bernard Bucy Johnson, economics.

John Roy Nelson, geology.

Udo Hermann Specht, government.

SLATON---Roland N. German, government. Linda Lee Davies Stewart, history.

SOUTHLAND --- Edwin Gerald Dabbs, chemistry.

TULIA---Grant Feral Carruth, Spanish.

Bachelor of Science

AMARILLO---Thomas Owen Meyer, physics, of 4201 Jackson.

ANTON --- Mannie Ray Connell, physics.

BORGER---Donald Ray Martin, mathematics.

HEREFORD --- Norman Ben Bookout, mathematics.

KRESS---Jerry Mack Barrett, mathematics.

PLAINVIEW --- Jerry Pool Bateman, bacteriology.

QUANAH --- Lester Neal Berry, physics.

Bachelor of Science in Education

AFTON---Cleone Jackson, elementary education.

BROWNFIELD --- Lonnie Howard Wheeler Jr., history.

CLAUDE---Patsy Bagwell Goin, elementary education.

CROSBYTON---William Bert Grimes, mathematics.

LEVELLAND---Wanda M. Balch, elementary education.
Nancy Carolyn Cole, elementary education.
Jackie Russell Dycus, elementary education.
Roland Donnie Morris, mathematics.

LOCKNEY --- Sally Miller Carthel, speech.

MORTON---Anna Maude Heflin, elementary education.
Mary Ann Smith, elementary education.

PERRYTON --- Roberta Maye Drake, elementary education.

RALLS --- Robert Chopin Ayres, history.

ROPESVILLE --- Billy Joe Gilmore, history.

SLATON --- Joe Neil Sparkman, physical education.

Bachelor of Music

LEVELLAND---Jerry Lynn Pickens, music education.

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

AMARILLO---Charles Allan Crocker, accounting, of 3404 Milam.
Louis Theodore Dubuque, management, of 2209 Polk.
Teddy Ray Fritzler, advertising.
Arthur D. Partain, accounting, of 3326 N. E. 20th.

ANTON---Clifford Newton George, finance.

CANADIAN---John Edwin Grist, management.

FRIONA---Clifford Gary Crow, accounting.

HIGGINS --- Clifford James Schwab, management.

LEVELLAND---Ronnie Meadow Brown, accounting.

LITTLEFIELD --- Jesse Byron Pate, accounting.

McADOO---William Riley Hunsucker, accounting.

MORTON---Billy Charles Wood, finance.

MUNDAY---Ralph Erwin Blanton Jr., finance.

PERRYTON---Del Ray Mounts, management.

PHILLIPS---Royce Lane Phares, accounting.
Gordon Henry Richardson, management.

QUAIL --- Jerry Don Godbey, advertising.

SLATON --- Robert Wayne Sokoll, finance.

add 3 region I graduation

SOUTHLAND --- Jee Neil Hargrove, finance,

SUDAN --- Jimmy Lynn Williams, management,

SCHOOL OF ENGINEERING

Bacheler of Architecture

SOUTHLAND --- Edgar Lennie Dunn, design option.

Bachelor of Science in Chemical Engineering

BORGER --- Tommy Earl Tollett

Bacheler of Science in Civil Engineering

AMARILLO---William Franklin Carder, of 1410 Ong.

DALHART --- William Richard Morris

Bachelor of Science in Electrical Engineering

BORGER --- Terry Laverne Guthrie

DUMAS --- John Milton Flowers Jr.

LEVELLAND --- James Stanley Black

Bachelor of Science in Mechanical Engineering

FLOYDADA---John Edward Shanks

PHILLIPS -- James Edward Raley

Bachelor of Science in Petroleum Engineering

CHILDRESS---Reggie Lee Medley

PERRYTON---Glen Earl Simpson

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

MORTON---Shirley Jo Tucker, food and nutrition.

PLAINVIEW---Reita Martin Harrison, applied arts.

STINNETT --- Roberta Louise Womble Lyons, home economics education.

Texas Technological College Department of Public Information Adrian Vaughan, Director

LUBBOCK --- A 1950 graduate of the Masonic Home for Boys in Fort Worth will reach the top academically at Texas Tech's summer commencement Saturday (Aug. 25).

He is Odie B. Faulk, who received his two undergraduate degrees from Tech and will receive the doctoral degree in history Saturday. He is one of the two doctoral candidates this summer.

The 28-year-old Ph.D. candidate has already served 5½ years in the Marine Corps, taught in public schools for two years, begun work on a book and completed his three degrees.

Faulk will begin teaching in the history department at Texas A&M College this September. He will teach courses in Latin American history.

After graduating from the Masonic Home, Faulk served a stint in the Marine Corps, then finished San Angelo Junior College in 1957. In 1958 he was graduated with high honors from Tech with a B.S. degree in education and history.

Faulk spent two years as a seventh grade social studies teacher at Atkins Junior High School, Lubbock.

He completed the M.A. degree in history in 1960 and then began work on the Ph.D. He was a teaching fellow from 1960 to 1961 and held the All-College Doctoral Fellowship. He has been teaching full-time in the history department this summer.

Faulk is one of six faculty members teaming up to produce a six-volume narrative history of Texas. Faulk, the youngest of the six historians, will write the first volume on Spanish Texas from 1519 to 1810.

His doctoral dissertation is entitled "The Last Years of Spanish Texas---1778-1821." Much of his research will be included in his Texas history volume.

He is currently working on a series of articles on General Tom Green, a Civil War hero of Texas, which will be run in the San Angelo Standard Times.

"San Angelo is located in Tom Green County," Faulk said. "Houston Harte of the Standard Times plans to run the series in his paper and later publish the articles in book form."

While at Tech, Faulk has been a member of Phi Kappa Phi, national honorary scholastic fraternity; Phi Alpha Theta, national honorary history fraternity; and Lychnos, a honor organization of Phi Beta Kappa potential.

He is the son of Mrs. J. L. Ratliff of Eldorado. He is married to the former Laura Provence of Muleshoe.

LUBBOCK --- Texas Tech has more than 500 candidates for degrees at summer commencement Aug. 25.

Dr. John D. Moseley, president of Austin College, Sherman, will give the principal address during the exercises at 7:15 p.m. in the air-conditioned Lubbock Municipal Auditorium.

Dean James G. Allen, dean of student life, will serve as master of ceremonies for the activities. Dr. R. C. Goodwin, Tech president, will introduce the speaker and confer the degrees.

Candidates for undergraduate degrees from Houston, by School, include:

SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

Morris Witter Baynes Jr., mathematics, of 4538 W. Alabama.

John Joseph Corrigan Jr., geology, of 3761 Drummond.

Carolyn Emily Gaiennie, mathematics, of 2220 Devonshire.

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Henry F. Jonas, management, of 2520 Dryden

Ronald Dale Watkins, management.

SCHOOL OF ENGINEERING

Bachelor of Science in Chemical Engineering

Arthur Florus Hannsz, of 1529 Dorothy.

Bachelor of Science in Mechanical Engineering

James Arthur Shadden, of 8108 Wier Dr.

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Sharon Stremmel Wilemon, food and nutrition, of 4611 Waring

Texas Technological College Department of Public Information Adrian Vaughan, Director

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Candidates for undergraduate degrees from Dallas, by School, include:

SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

Lewis Pinkman Chandler, history, of 1883 Riverway.

Margaret Jane Crockett, speech, of 3604 Colgate.

Lewis Wayne Culp, chemistry.

Nancy Eleanor Ezell, government, of 3124 Amherst.

Melinda Cemira Harrison, English, of 2535 Community Dr.

Martha Maedelle Hood, history, of 5200 Monticello.

Robert DeForest Hurlbut, English, of 6119 Bandera.

Dennis Carroll McCarty, government, of 1811 Yucca Dr.

William Roane Skeeters, economics, of 3108 Bryn Mawr.

Bachelor of Science

Sharon Lynn Boggs, mathematics, of 1605 Atlas.

Richard Davis Vawter, mathematics of 728 Nolte.

Bachelor of Science in Education

Alexandra Anita Zumwalt, elementary education, of 3604 Bryn Mawr.

add l graduation-Dallas

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

John William Brophy, accounting, of 4348 Avon Dale.

Tod Robinson Collett III, marketing, of 3512 Villanova.

Drew Anderson Dorsey, accounting, of 3922 Bowser.

Patricia Ann Hart, marketing, of 3712 Brinkley.

Harold Anthony Moore Jr., management, of 3808 Rockford Dr.

Tommy Duwain Prichard, accounting, of 1140 W. Mount.

Joe Wilson Stout, finance, of 7512 Centenary.

Jay Reid Warner, accounting, of 534 Agua.

Bachelor of Science

John Emerson Matter Jr., economics, of 5142 Ursula.

SCHOOL OF ENGINEERING

Bachelor of Architecture

William Carlisle Early, design option, of 6319 Mimosa.

Stacy Moore Smith Jr., design option, of 7514 Yamini Dr.

Hal Joseph Sullenberger, design option, of 2464 Sarapan Dr.

Bachelor of Science in Civil Engineering

Robert Burns Cammack, of 4029 Purdue.

Bachelor of Science in Electrical Engineering

John Greet Navitt, of 1420 Junior Dr.

Bachelor of Science in Industrial Engineering

Robert Clinton Bullock, of 6517 Royalcrest.

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Dean James G. Allen, dean of student life, will serve as master of ceremonies for the activities. Dr. R. C. Goodwin, Tech president, will introduce the speaker and confer the degrees.

Candidates for undergraduate degrees from Fort Worth, by School, include:

SCHOOL OF ARTS AND SCIENCES

Bachelor of Arts

William Hayes Frawley, mathematics, of 7201 Richlynn.

Bachelor of Science in Education

Lou Hasseltine Davis, elementary education, of 3932 Spurgeon.

Frances Jan Thomason, elementary education, of 3840 Hilltop.

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

John Prince Joseph, management, of 3548 Hill Top Rd.

Frank Earl Riney, management, of 5531 El Campo.

SCHOOL OF ENGINEERING

Bachelor of Architecture

James Ronald Wooten, design option, of 5820 Pollard.

Bachelor of Science in Civil Engineering

Edward Langston Wills, of 906 Newton (Arlington).

add 1 graduation-Fort Worth

Bachelor of Science in Electrical Engineering

Jack Roger Hall, of 6463 Floyd Dr.

Bachelor of Science in Engineering Physics

Thomas William Sigmon, of 1412 Cloverdale Dr.

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Nancy Douglass Brook, clothing and textiles, of 808 Sycamore.

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LUBBOCK ---Col. Leonard R. Hall, Air Force plant representative at General Dynamics, Fort Worth, will be the guest speaker at Texas Tech's Air Force ROTC commissioning exercises Saturday (Aug. 25).

In addition to speaking, he will watch his son, Jack R. Hall, receive his commission as a second lieutenant in the Air Force Reserve. The young Hall, an electrical engineering major, is one of the two Distinguished AFROTC Graduates.

The seven cadets will receive their commissions from Lt. Col. George R. Hull at the 10:30 a.m. ceremony in the Coronado Reom of the Tech Union.

Others participating in the program are Miss Beverly Suttle, vocalist, who will be accompanied by Miss Sue Suttle. Air Force Chaplain (Capt.) Neil F. Daley will give the invocation and benediction.

A native of Kingsville, Colonel Hall entered military service in 1941 and has had continuous service in the continental United States and overseas in various capacities. He has been an engineering officer, night fighter pilot, radar observer, intelligence officer, research and development, and procurement and production officer.

He received the B.S. degree from Texas A&I College, Kingsville, and the M.S. degree from the Air Force Institute of Technology, Wright-Patterson AFB, Ohio. He is also a graduate of the Air War College.

Having served in the Air Force for 21 years, Colonel Hall has received the Distinguished Flying Cross, Air Medal, Purple Heart and Legion of Merit. His aeronautical ratings include command pilot, combat observer and radar-navigator.

His son will begin work on the masters degree in electrical engineering at Tech this September under the Air Force Institute of Technology program.

The other Distinguished AFROTC graduate in the class is James R. Langley of Mt. Pleasant, a traffic management major.

Other cadets receiving their commissions include Elton P.

Avara and Horace P. Holland Jr., Lubbock; James C. Browder,

Muleshoe; Jerry P. Bateman, Plainview; and Richard D. Catero, Radcliff,

Ky.

LUBBOCK --More grazing from the same amount of land is the aim of Texas Tech researchers and the Post-Montgomery Ranch near Post where more than 6,000 acres have been set up for deferred grazing.

Using a method devised by Dr. Leo B. Merrill, range specialist at the Sonora Experiment Station, Sonora, Tex., the test acres have been divided into four pastures which will be grazed on a rotating basis so each pasture is grazed one year and then given a four month rest period.

Tech researchers headed by Dr. Gerald Thomas, agriculture dean, are working with Tom Copeland, range management specialist for the ranch, and members of the Soil Conservation Service in the experiment.

Dr. Thomas and his men went to the ranch recently and began setting up 200 test plots where the vegetation will be checked as to species and growth during the experiment.

At each plot, the researchers set a metal rod and then measured 20 feet before setting another rod. After the area was laid out, the field men mapped the vegetation in a strip one foot wide between the rods noting the various species of grasses, weeds and bare spots within the area. After the vegetation was mapped, the researchers then used a 20 foot tape to measure and map the mesquite within a 20 foot radius around each test plot.

The mapping of the mesquite will be used in later surveys—after the brush has been sprayed—to check the percent of kill on the sprayed areas.

When the experiment begins, each pasture will be given a number. At the start, pastures 1, 2, and 3 will be grazed the first four months with pasture 4 setting idle. During the next four months pastures 1, 2 and 4 will be grazed with pasture 3 setting idle. This will continue through a period of years, with the idle pasture being changed once each four months so each pasture is used one year and then allowed to set idle for four months.

In commenting on the rangeland experiment, Dr. Thomas said the rainfall in the Post area is variable enough so we don't know what the results will show, but, in the past, the experiments conducted at other locations have shown remarkable results even during the drought periods.

This will be the first time the deferred grazing system has been used in any area outside the Edwards Plateau region of south central Texas. The rainfall and size of the range available at Post makes this an ideal testing area for West Texas, he said.

Before setting up the grazing experiment at Post, the researchers checked the rainfall records at Post for the past 43 years and found that the yearly average was 19.6 inches. It was also found that more than 60 percent of the years in which records were kept there was less than the average rainfall. Twenty-five percent of the years had below 14.6 inches rainfall which parallels the rainfall pattern for much of West Texas area.

During the 13 years the deferred grazing system has been used at Sonora, the gain put on animals grazed on the rotation pastures equaled the gain put on animals kept on pastures which were lightly grazed, the year around grazing capacity has increased 13 animal units per section during the 13 years the experiment has been carried on, and the range improvement has been better in the rotation pastures than in the pastures grazed lightly all year long.

Poisonous weeds, one of the worst enemys the cattle producer faces when his range is overgrazed, were crowded out as the native and other grasses made a comeback in the rotation pastures.

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Texas Technological College Department of Public Information Adrian Vaughan, Director

LUBBOCK ---Former Air Force Capt. Vincent P. Luchsinger assumes a new title--Dr. Luchsinger--at Texas Tech's summer commencement Saturday (Aug. 25).

Luchsinger, freshman advisor and management instructor in Tech's School of Business Administration, is one of two doctoral candidates this summer at Tech. He will receive the Ph.D. in psychology.

A native of Dubuque, Ia., Luchsinger began taking courses at Tech in 1956 while an instructional pilot at Reese Air Force Base, Lubbock. He then received the M.A. degree in 1959. His B.A. degree was conferred from Loras College in his hometown.

The distinguished Air Force officer began his military career as a navigator, after receiving his commission. He completed 34 missions to China and Russia during the Korean War and spent three years in Japan.

While in Korea, he was a "VIP pilot," serving as the personal pilot to Dr. Syngman Rhee, Republic of Korea president.

With only nine years left before his Air Force retirement,

Luchsinger left the Air Force to pursue his advanced degree and enter

the teaching field.

"My downfall was when I began attending night classes at Tech,"
Luchsinger said. "I knew then I wanted to continue my education,
which led to my leaving behind a successful military career."

He has served as a research assistant at Tech for an Atomic Energy Commission project, working with the x-radiation of rats. His doctoral dissertation was a result of that work, being titled "A Statistical Study of the Effect of X-radiation Rats."

In his first year as the freshman advisor in the business school, Luchsinger helped set up the four-year business honors program for last year's freshman class. He is now executive secretary of the program.

In 1961 Luchsinger was the first Tech student to win the technical papers' contest at the southwest division of the American Psychological Assn. at Little Rock. He is a member of Psi Chi, honorary psychology fraternity.

Luchsinger's wife, Mrs. Laura Luchsinger, is assistant professor of marketing at Tech. They have four children--ages 11, 6, 3 and 2. Mrs. Luchsinger is a native of Hot Springs, Ark., having received the B.S. in business from the University of Arkansas and the M.B.A. from Tech.

Watching Luchsinger receive the hood, emblematic of the doctoral degree, will be his father and mother, Mr. and Mrs. Vincent P. Luchsinger Sr. of Dubuque, Ia.

Texas Technological College Department of Public Information Adrian Vaughan, Director

Prof. W. E. Garets, journalism department head at Texas Tech, is attending a joint meeting of the American Society of Journalism School Administrators and Assn. for Education in Journalism at the University of North Carolina, Chapel Hill.

The annual meeting of the some 400 journalism educators will begin Monday (Aug. 27), but Garets left today (Aug. 24) to attend a meeting of the executive committee.

Garets is vice president of the ASJSA. Last year he served as editor of the quarterly <u>Journalism Educator</u>.

Some of the speakers include Frank Stanton, president of CBS;
Ned Celman, CBS commentator; Harry Golden, newspaperman and
humorist; and Lee Hills, president of the American Society of Newspaper
Editors.

Garets will return Sept. 1.

LUBBOCK --- Kenneth Frank Reimer of South Bend, Ind., received the Master of Business Administration degree in accounting from Texas Tech Saturday (Aug. 25).

Reimer has been a teaching fellow in the accounting department at Tech this past year. He will be associated with the Dallas office of Price Waterhouse and Co., national accounting firm, beginning this September.

"A Case for Direct Costing" was the topic of his masters thesis.

He will return to South Bend this week to visit, before leaving for Los Angeles, Calif., to attend a four-week Price Waterhouse training school.

Reimer, a 1957 honor graduate of St. Joseph's High School, received the B.S. degree in commerce in May, 1961, from St. Edward's University, Austin. He was awarded the President's Cup as the top graduate scholastically in his college class.

While at Tech, he has been a member of Beta Gamma Sigma, national honorary business fraternity, and Beta Alpha Psi, honorary accounting fraternity.

Reimer, 22, is the son of Fred J. Reimer of Route 3, Dowagiac, Mich., formerly of 615 Marquette, South Bend and Mishawaka, Ind.

He is married to the former Mary Kay Kindt of 221 North Sunnyside and they have a three-month-old daughter, Allison. Mrs. Reimer will be visiting in the home of her parents, Mr. and Mrs. Omer Kindt.

The academic curtain will close on an important phase of training for 443 Texas Tech students as they receive degrees in summer commencement Saturday (Aug. 25).

Dr. John D. Moseley, president of Austin College at Sherman, will deliver the principal address during the ceremonies at 7:15 p.m. in air-conditioned Lubbock Municipal Auditorium.

Climax of the ceremonies will be presentation of doctor of philosophy degrees to Odie B. Faulk and Vincent P. Luchsinger. Faulk is majoring in history, Luchsinger in psychology.

A total of 76 will receive master's degrees.

Commencement day will be a full one for both Tech officials and graduating students.

Commencement rehearsal will begin at 8:30 a.m. at Lubbock Auditorium. The Tech Board of Directors will open their annual late summer meeting at 9:30 a.m. in the President's Office, located in the east wing of the Administration Building.

The Army ROTC will commission 14 cadets as second lieutenants at 10 a.m. in the Union Building ballroom. Main speaker will be Dr. Floyd Boze, Tech dean of admissions.

The Air Force will commission seven cadets at 10:30 a.m. in the Union building Coronado Room. Principal speaker will be Col. Leonard R. Hall, Air Force plant representative at General Dynamics in Fort Worth.

Degree candidates, parents and friends will be honored by Tech President and Mrs. R. C. Goodwin with a reception from 3:30 to 4:30 p.m. in the Union Building.

Student Life Dean James G. Allen will be master of ceremonies for commencement.

Dr. Judson Maynard of the Tech music faculty will play the organ processional, Widor's "Moderato," followed by the invocation from the Rev. Andrew A. Jumper, First Presbyterian Church.

Mrs. Dorothy Pijan, Tech music graduate, will sing "Put on the Whole Armour of God." Dr. Goodwin will then introduce Dr. Moseley.

After the conferring of degrees by Dr. Goodwin, the Rev. Calvin W. Froehner, St. John's Methodist Church, will deliver the Benediction.

"Choral Song" will provide the music for the recessional of the graduating class.

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Texas Technological College Department of Public Information Adrian Vaughan, Director

LUBBOCK --- Texas Tech conferred two doctorates and 76
master's degrees during summer commencement exercises Saturday (Aug 25).

Principal speaker at the ceremony in Lubbock Municipal Auditorium was Dr. John D. Moseley, president of Austin College, Sherman.

Dr. W. Bryan Gates, graduate dean, announced that students receiving the advanced degrees include:

DOCTOR OF PHILOSOPHY

ELDORADO --- Odie B. Faulk, history.

DUBUQUE, IA. --- Vincent P. Luchsinger Jr., psychology.

MASTER OF ARTS

ALBUQUERQUE, N. M. --- Duane Starlon Hill, psychology.

LUBBCK---Wildring B. Sherrod Edwards, psychology.
Anna Louise Firestone Kirk, English.
Quinn Marshall Lovel, psychology.
William Lowrimore III, economics.
Ingrid Junghans Parker, English.
Stella Prude Smith, English.
Gloria Lee Blakeley Spencer, English.
Thomas M. Spencer Jr., government.
Thomas Earl Adams Jr., psychology.

MEADOW---Donald Wayne Whisenhunt, history.

PERKINS, OKLA. -- Clyde H. Ishmael, psychology.

STERLING CITY---Allan Kent Jones, English.

MASTER OF BUSINESS ADMINISTRATION

LUBBOCK --- Robert Emmett Tyner, management.

MANILA, PHILIPPINES --- Gregorio T. Eleosida, accounting.

MT. VERNON---Robert Don Morris, accounting.

PLAINVIEW --- James Dale Chapman, marketing.

ROBSTOWN---Frederick Norman Harrell, accounting

add l graduate students

SAN ANTONIO -- Edward E. Winchester, accounting.

SOUTH BEND, IND .--- Kenneth Frank Reimer, accounting.

SWEETWATER --- William Dale McKeehan, management.

MASTER OF EDUCATION

ABILENE --- George Harold Davis, of 1482 Meadowbrook.

ALVIN---Linda Louise Linn Ellard, business education.

AMHERST --- Raymond Jean Duvall, agricultural education.

BROWNFIELD --- Morris Farrow.

CROSBYTON --- Everette Harold Williams, agricultural education.

LAMESA --- Orville Wilson Richardson.

LITTLEFIELD --- Donald Dean Williams, physical education.

LCCKNEY---Edwina Hunter Bunkhalter, music education.

LUBBCCK---Drucilla Smith Barber.

Edna Earl Stallings Cox, business education. William Carroll Davis, physical education. Orran James Fairly Jr., physical education. Cecelia Winningham Gibson. Lenna Marie Buchanan McWilliams. Donald Keith Matticks. D. L. Shuffield. Marcelle Austin Tate.

MIDLAND --- Carroll Lee Commons, of 4616 Versailles.

MINERAL WELLS --- Doyle Lou Zania Pruitt, agricultural education.

RANKIN---Lavina Mae Garner Price.

SEAGRAVES --- Charles Alva Johnson.

SIDNEY --- Delbert Winston Reed, agricultural education.

SNYDER---Jack Streety Gorman.
Ned B. Underwood, physical education.

STATE COLLEGE, PA .--- Juanita Joines Stanovsky.

TUSCOLA --- Jerry Don Stockton, agricultural education.

MASTER OF SCIENCE

AMARILLO -- Finis Lynn Cavender, mathematics, of 807 No. Hayes.

BOVINA --- Henry Ephraham Young.

FORT WORTH---Dana Gove Griffin III, botany, of 1924 Bluebird.

HOUSTON --- William Henry Dick III, mathematics, of 2412 Glenn Haven.

LUBBOCK---Don L. McGregor, geology.

NACCGDCCHES---Richard Lewis Garner.

PITTSB URG, PA .--- Summer Wolcott Dana, zoology, of 201 Broadmoor.

PLAINS --- Virgil Edwin Wade, botany.

RANKIN---Arthur Garfield Dean, mathematics.

TAIWAN, CHINA---Li-Tzu Fang, chemistry.

SPARTA, TENN .--- John Edward Owen, mathematics, of Route 1.

TWIN FALLS, IDAHO -- William Eugene Hahn, zoology.

WESLACO --- David Maurice Hoffmann, chemistry.

WHITE DEER --- Robby Roy Eller, zoology.

MASTER OF SCIENCE IN AGRICULTURE

FOLLETT --- Robert Custer Alban, animal husbandry.

MILES --- William Dawson Coleman, agricultural education.

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

AMARILLO---James Don Walker, of 3711 Lewis.

CLARENDON --- Frank B. White III.

CARLSBAD, N.M. --- Gene Cecil Cutler, of 405 Glendale.

CLIFTON --- Maynard James Hansen.

SEAGRAVES --- Gene Donald Hart.

MASTER OF SCIENCE IN CIVIL ENGINEERING

ELKINS, W. VA .--- William Kenneth Taylor.

add 3 graduate students

MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

LINCOLN, NEB .--- James Forrest Estes, of 941 N. 67th.

MASTER OF SCIENCE IN HOME ECONOMICS

MANHATTAN, KANS .--- Mar y Ann Lambert, food and nutrition.

LUBBCCK --- Angela Rattan Boren, food and nutrition.

NANKING, CHIN A --- Be Shiao, food and nutrition.

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

MIDLAND --- Lawrence Porter Davis, of Box 5576.

PECOS --- William Ray Horton.

SAN ANTONIO -- Carlos Weldon Coon Jr., of 711 Dorothy Louise.

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Speakers at the Texas Tech Army and Air Force ROTC commissioning ceremonies Saturday (Aug. 25) challenged the cadets "to believe in their careers."

The Army unit commissioned 14 cadets as second lieutenants, while the Air Force awarded gold bars to seven.

Dr. Floyd Boze, dean of admissions and registrar at Tech, told the Army cadets "to be a believer and doer in the Army." "Your actions will represent your beliefs," he said.

He praised the young men for completing their liberal and professional qualifications in order to deal with the complexities of today's world.

Col. L.R. Hall, Air Force plant representative at General Dynamics in Fort Worth, pointed out the three basic needs in life--the need to work, the need to play and the need to believe in something.

He challenged "the future areo-space men to consider the Air Force a profession, an art, a science and a way of life."

The 21 second lieutenants received their academic degrees at the summer commencement exercises Saturday night.

MAILING SCHEDULE FOR Aug 27 - Sept 1, 1962

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Dr. Norman Edward Weir, assistant professor at Northrup Institute of Technology for five years, will become associate professor of finance at Texas Tech, beginning this September.

Dr. Weir recently received the Ph.D. in economics from the University of Southern California.

A native of Pueblo, Colo., Dr. Weir received the B.A. from the University of Oklahoma, the M.A. from the University of Colorado and a certificate in social work from the University of Southern California. He also has studied at the University of Kentucky.

He has taught at Cheraw Consolidated High School,

Mississippi State College, Loyola University of Los Angeles and Northrup in Inglewood, Calif.

He was registrar in the University of Colorado School of Business and was a member of the graduate school committee at Mississippi State College.

While at Loyola, Dr. Weir was a member of the Liaison Committee on Business Administration, Western Data Processing Center, the Western Economic Assn., the Western College Assn. and the American Economic Assn. He is a member of Delta Sigma Pi, national professional business fraternity; Order of Artus, national honorary economic society; Masonic Lodge; and the American Assn. of University Professors.

He is married and the father of two children, Jeane Marie and Judith Louise.

Dr. Thomas Bruce Waters, former member of the University of Nebraska philosophy department, will teach in the Texas Tech philosophy department as an associate professor this fall.

"Dr. Waters comes to us with a tremendous knowledge in all areas of philosophy," Dr. Ivan Little, philosophy professor and assistant arts and sciences dean, said.

The former Army captain will teach sections in history of philosophy, ethics and aesthetics. The aesthetics course has not been taught in several years, Dr. Little pointed out.

Dr. Waters received the B.A. degree cum laude in English and philosophy from the University of Kentucky and received the M.A. from the same institution. He holds the Ph.D. degree in philosophy from Ohio State University.

He has taught in the philosophy departments of Ohio State, University of Nebraska, University of Kansas and the State University of Iowa. He was on the graduate faculty at Kansas.

Dr. Waters is a member of the American Philosophical

Society and has written several articles for scholarly journals.

He also is a member of the American Assn. of University Professors.

LUBBOOK --- Texas Tech's economics department will offer a College of the Air course, entitled "The American Economy," this fall for residence credit or non-credit.

The semester course will consist of five half-hour lessons on television and a one-hour session on Saturdays at Tech. The weekly sessions will be from 6:30 to 7 a.m. on KLBK-TV, with the Saturday class at 11 a.m. during school weeks.

The Economics 231 course is being sponsored by the American Economic Assn., the Joint Council on Economic Education and the National Task Force on Economic Education, along with 12 non-profit organizations who are members of the Learning Resources Institute.

Tuesday, Sept. 25, is the beginning date of the television course.

Information on the CBS-television network course may be received by calling the Tech economics department, PO 5-8541, Ext. 367, or writing to the registrar's office at Tech.

Four lessons each week will be devoted to economic content, conducted by Dr. John R. Coleman, the national teacher. He is the economics department head at Carnegie Institute of Technology.

Every fifth lesson will be devoted to the teaching of economics in the secondary school curriculum. Dr. John H. Haefner, associate for teacher education, will teach these sessions. He is professor of social studies education and head of social studies at University High School and State University of Iowa, Iowa City, Ia.

Several area schools are requiring the course in their in-service training program for social studies teachers, Jarvis Witt of Tech®s economics department said.

(More)

Residence credit of three and one-half hours may be secured for degree credit at Tech or as a transit student for transfer to another school, Witt noted.

"Less than half of our future citizens go on to college from high school, and only a quarter of those who do ever take a course in economics in college," the National Task Force on Economic Education reports. "In high school, less than five percent are exposed to a separate course in economics."

"This course will be an opportunity for students to take the course in their normal load, for teachers enrolled in in-service training, and for citizens of the community who should be interested in the national economic system," Witt said.

The course content will fall under three broad headings: (1) how our economic system allocates its limited resources among the unlimited wants of its members; (2) how our economy faces up to problems of stability and growth; and (3) how our national income is distributed.

Several leading educators and economic advisers will be guest lecturers, including Robert L. Heilbroner, author of "The World Philosophers" and "The Rise of Economic Society"; Solomon Fabricant, National Bureau of Economic Research, Inc.; Ewan Clague, Bureau of Labor Statistics; Milton Friedman, University of Chicago; and Walter W. Heller, Council of Economic Advisers.

EDUCATION 8-30-62

Texas Technological College Department of Public Information Adrian Vaughan, Director

LUBBOCK --An elementary school principal and a director of curricular services will be added to the Texas Tech education department this fall.

They are Miss Dorothy Filgo, principal of Rush Elementary School, Lubbock, and Dr. Joe Tidrow, director of curriculum at Andrews.

Miss Filgo will become assistant professor, with emphasis on teaching social studies in the elementary schools, and Dr. Tidrow will be associate professor of education.

A native of Lancaster, Miss Filgo received the B.A. degree from Baylor University and the M.A. from Colorado State University. She has done additional graduate work at the University of Colorado and Texas Tech.

She has been principal of Rush since 1960 and previously taught fifth and sixth grades in Lubbock from 1955 to 1957. She has taught at La Feria and Gladewater, Tex., and Pendleton, Ore. and was an educational consultant with Houghton Mifflin Publishing Co. from 1950 to 1955.

Miss Filgo is a member of the National Educational Assn., the National and State Elementary Principals Assns., Texas State Teachers Assn., Parent-Teachers Assn. and the Assn. for Supervision and Development.

Dr. Tidrow has been with the Andrews Independent School District since 1956. He has been curriculum assistant in the Tulsa Public Schools and has taught in Texas, Louisiana and Oklahoma schools.

education professors -- add 1

He received the B.S. in business from Central State College and the M.S. and Ed.D. degrees from Oklahoma State University. He has also studied at the University of Oregon and Texas Tech.

A native of Bristow, Okla., he is married to the former Betty Grace Morton and they have four children. He is a member of various educational associations, the National Society for the Study of Education, the Andrews Chamber of Commerce, and Phi Delta Kappa, honorary education fraternity.

In 1955 he was a research assistant on the White House Education Sub-committee on "How Can We Obtain Continuing Public Interest in Education."

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LUBBOOK --- Dr. Willa Vaughn Tinsley, Texas Tech Home
Economics dean, will be a guest speaker during a one-day nutrition
conference in Jackson, Miss., Wednesday (Sept. 5).

Dr. Tinsley will speak on "Effective Methods Used in Improving Eating Habits of Children and Adults."

The meeting is sponsored by the Mississippi State Nutrition Council as a public service to promote better nutrition, Dr. Tinsley said.

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LUBBOCK --- Latest range management practices will be discussed at the first annual Ranch Management Conference to be held on the Texas Tech campus Sept. 7.

During the one-day conference expected to draw 200 people, range management problems will be discussed. This includes the latest methods in brush control, grazing systems, stocking rates, wildlife management, poisonous plant problems, and other problems which concern Texas ranchers.

Registration will begin at 9 a.m. in the Tech Union Ballroom. Sponsoring this year's program are Texas Tech; American Society of Range Management, Texas Section; U.S. Soil Conservation Service; Texas A&M College System; West Texas Chamber of Commerce; and the Lubbock Chamber of Commerce.

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8-30-62

LUBBOOK --- Three research grants totaling \$8,500 have been donated to the animal husbandry department at Texas Tech.

Chemagro Corp., Kansas City, Mo., and the Geigy Corp., Yonkers, N. Y., each donated \$4,000 to be used by the department for research work in the studies of feed additives for beef cattle, according to Dr. Ralph Durham, department head.

The Merck Corp, East Rahway, N. J., donated \$500 for a study of cattle wormers.

Durham said he expected to start the experiments in Tech's new animal husbandry feed lots early in September.

The money donated by the firms will be used to pay labor costs and the cost of supplies during the research period.

LUBBOCK --- Texas Tech will take on a new look Saturday (Sept. 8) when rushees arrive on campus for the formal fall rush of 12 nationally affiliated social sororities.

Rush Week activities begin Saturday with registration of the coeds from 1 to 6 p.m. in the Tech Union Ballroom. An open convocation to explain rush rules and regulations will be held at 7:30 p.m. in the Union Ballroom.

Parties will be divided into four periods, with pledge bids to be announced at 5 p.m. Saturday (Sept. 15) in the central rushing office in Drane Hall.

The coeds will be staying in three freshman dormitories from Sept. 8 to 15.

Period I will be Monday, with an open house on campus. Period II will be Tuesday and Wednesday; Period III, Thursday; and Period IV, Friday. Parties from Period II through IV will be held in the homes of alumna.

Officers of the Tech Panhellenic Council, who will serve as counselors during the week, are Nancy Jones, Lubbock, president; Sue Bowles, Cortez, Colo., vice president; Pat Purcell, Houston (7027 Woodridge), secretary.

Others are Mary Kay Pearce of Lubbock, treasurer; Betty McFerren, Cleburne, social activities chairman; Gay Vanderburg, Pampa, scholarship chairman; and Kaye Edwards, Lubbock, junior Panhellenic executive.

Miss Maryanne Reid, assistant dean of women, is the college Panhellenic advisor.

Sororities participating in Tech Rush Week are Alpha Chi Omega, Alpha Phi, Chi Omega, Delta Delta Delta Gamma, Gamma Phi Beta, Kappa Alpha Theta, Kappa Kappa Gamma, Phi Mu, Pi Beta Phi, Sigma Kappa, and Zeta Tau Alpha.

Some 625 rushees will participate in Rush Week.

LUBBOCK --- An 18-year-old Latin-American lad who has eight brothers and sisters and wants to be a nuclear physicist has won the 1962 Mr. and Mrs. Hiram Parks Scholarship to Texas Tech.

He is Louis Castro, an honor graduate of Roscoe High School and the son of Mr. and Mrs. Manuel L. Castro, a Roscoe farm family. He lives with his uncle and aunt, Mr. and Mrs. Eugene Castro.

The scholarships were established in 1945 by Mr. and Mrs. Hiram Parks of Lubbock for the purpose of encouraging young men and women of Mexican descent to continue their education through college.

"Castro will receive \$500 a year for four consecutive academic years, provided he maintains a satisfactory scholastic record," Dr. Scotti Mae Tucker of Tech's foreign language department said.

"Although he has unusual ability, academically, and also in band, he is modest and unassuming," one of his teachers wrote. "Consequently, this makes him a general favorite."

These words were echoed time and again by John R. McKay, superintendent of Roscoe Public Schools, and by his teachers.

"During the selection of the Parks scholar, Louis was a darkhorse candidate until the list had been narrowed to those with above 90 averages," Mrs. Tucker said.

"Then the committee began to comment that the Castro fellow from Roscoe certainly is not much given to words and that if we get much on him we'll have to get it from his teachers or somebody else--- not from him."

During high school, Castro played basketball, ran track and played in the band, in addition to extracurricular study in science. He has four brothers, whose ages range from three to 20 and four sisters, ranging from six to 16 years. They are members of the Catholic church.

His high school transcript shows all of his grades to be in the nineties, with the exception of an 82 in first-year English and 89 in Algebra I.

"Ever since I can remember, my one ambition has been to be a scientist," Louis said. "I had never really made up my mind on a certain science field until about two years ago when I picked up a few articles on atomic energy."

In writing his purpose in seeking a college education, he said that "college will not only train me in my field, but will enable me to make a greater contribution to the world. I feel that I was put on this earth to do a job, and I would like to do my part as well as I can."

The Parks scholars are chosen on the basis of their need for financial assistance, character, promise of leadership and high school record. A committee, composed of the Spanish staff of the Tech foreign language department, makes the selection.