

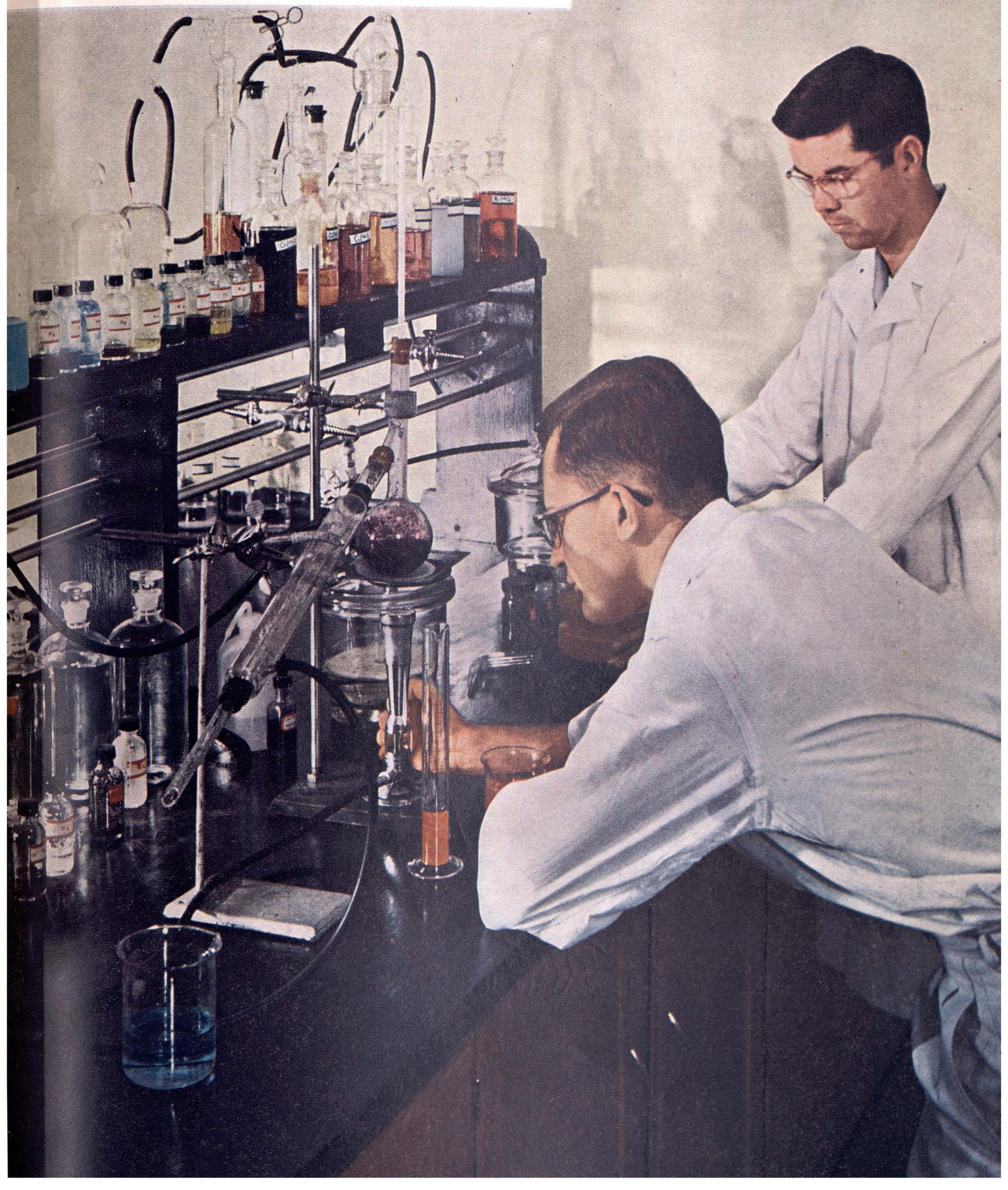
THE

AUGUST, 1959



# TEXAS TECHSAN

*Published by Texas Tech Ex-Students Association*





# ready for a winning season!

With a sparkling variety of Fall coordinates arriving daily, you'll want to team up with our Sportswear department for an autumn chock full of fashion excitement. Young moderns all across West Texas have come to depend on us for winning combinations in separates for the active way of life!

***Dunlap's***  
OF LUBBOCK



. . . **Dr. Doyle D. Jackson**, professor of education, retired in April due to ill health after 25 years at Tech. He received his AA from John Tarleton College, BA and MA from the University of Texas, and Ph.D. from the University of Arizona. Dr. Jackson was the first college professor in the United States to offer standard college courses by airplane travel and became known as the "Flying Professor of Texas Tech." He is the author of three books, **Higher Education for Women in the South**, **Teacher Training and Placement in Arizona**, **The Unit Method of Learning and Teaching**. He has contributed also to periodicals as "The Nations Schools," "The School and Society," "Phi Delta Kappan" and the "Texas Outlook." He is a member of Kappa Delta Pi, Phi Delta Kappa, Masonic Order, Lions International Methodist Church, education associations and other organizations. Dr. Jackson has been director of Teacher Placement at Tech for seven years, sponsored the Varsity Show 13 years, president of West Texas State Teachers Assn., Curriculum Consultant for District 3 of Texas Education Agency, and helped found the Ex-Students Assn. He is listed in Who's Who in American Education, Who's Who in the South and Southwest, Who's Who Among the Young Men of the Nation and Leaders in Education. Dr. Jackson has one son, Lamar, '49, physician-surgeon in Henderson.



THE

## TECHSAN SALUTES

. . . **Wilmer Smith**, '37 BA in government, was recently honored for his long and distinguished service to 4-H Club work on the South Plains. Smith was honored along with Dr. Willa Vaughn Tinsley, dean of Tech's School of Home Economics. Smith helped establish the 4-H cotton production contest in District Two. Mrs. Smith, nee Lola Wheeler, '39 BA in history, received a similar award in '57. She is president of the Texas Home Demonstration Assn. Smith farms 1,020 acres in the New Home community in Lynn County. He also taught nine years at Cooper, Cotton Center and New Home high schools. At New Home, in addition to teaching history and general science, he was high school principal and coached athletics. Active in civic affairs, he is a member of the New Home Civic Club and of the Methodist Church. His activities in promoting the cotton industry are many. He is vice president of the Plains Cotton Growers, Inc.; president of the Plains Cooperative Oil Mill; director of Central Bank for Cooperatives, Washington, D.C.; president of the New Home Cooperative Gin. He is a member of the executive committee of Texas Cotton Ginners' Assn., member of the board of directors of National Council of Farmer Cooperatives and of the American Cotton Producers Associates in Memphis. He is a member of the Advisory Committee on Cotton and Cotton Seed Marketing and Research to the U. S. Department of Agriculture and is a producer delegate to the National Cotton Council. Smith has one daughter, Peggy Bohmer, '49 BA in zoology.



# President's Farewell . . .

Texas Tech is a great and wonderful institution. Feelings of deepest regret flood in as I try in advance to adjust to the cold fact of turning in my key to the President's office on August 31st.

There are so many plans 'on the boards' for more buildings (including a magnificent Library), improved courses and degrees, increased research projects, better educational service to our area and the State, and a general further movement along the path of quality that I shall experience painful emptiness in taking a seat on the Tech sidelines.

The further growth of Texas Tech is inevitable. That growth must be steady and solid. This cannot be accomplished by the Board, Administration, Faculty and Student Body alone. The Ex-students will be continuously and increasingly needed.

A good word to a prospective student, carrying your head high for Texas Tech at all times, speaking enthusiastically to a possible donor and getting enthusiastic on that subject for yourself will accumulate into a great force for Tech's betterment. A college's own students and ex-students are its most powerful boosters. And, it should ever be kept in mind that no state-supported college or university now rated as a major institution built that rating on legislatively appropriated funds only. All this will require an ever increasing loyalty. The loyalty of ex-students is not mandatory, and as such may be weak or strong. Tech needs and deserves the strongest. Please see that she gets it!

It is my sincere belief that Texas Tech can most efficiently and dependably accomplish its educational mission and most completely fulfill its destiny by becoming a university in name and in fact. Even the present size of the student body suggests it and soon the increasing magnitude of its graduate and research programs will demand it. The educational 'varsity' in America is composed chiefly of universities. Texas Tech should be one.

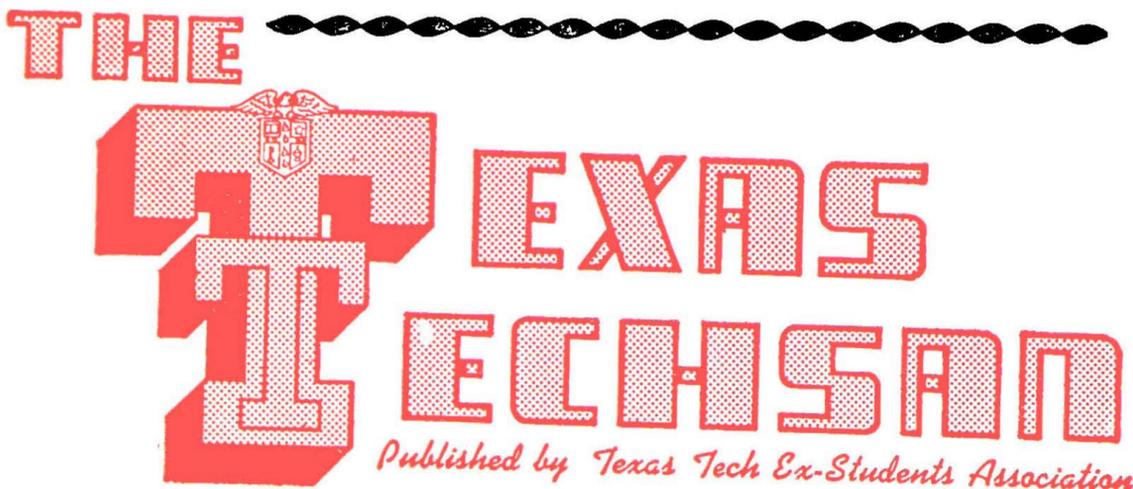
I shall watch further development from a distance with eager eyes and affectionate heart.

DR. E. N. Jones  
President

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Published in February, April, June, August, September, October, November and December by the Ex-Students Association of Texas Technological College, Lubbock, Texas.

Second-class postage paid at Lubbock, Texas.

Change of Address: New address should be sent to the Association offices 30 days prior to date of issue with which it is to take effect.

Subscription rate: \$3 per year.

Advertising rates on request: All advertising is handled through the Association offices.

# Agriculture School Well-Suited To Fulfill Needs for Progress

By the Staff of the School  
of Agriculture

(EDITORS NOTE: The following is a report on the School of Agriculture submitted to the Board of Directors in April. We feel that information contained in this report will bring the exes up to date on the progress of agriculture at Tech.)

Agriculture is constantly undergoing change — change brought about not only by social, economic, and political forces but also that resulting from increased mechanization and improved technology. The School of Agriculture is directing its educational programs to better qualify students for a place in this changing agricultural industry. The School is particularly well-suited to accept these educational and research responsibilities in agriculture because of its ideal location in the West Texas area and because of its standing as the largest non-land-grant school of agriculture in the United States.

In order to present an adequate discussion of the program in the School of Agriculture an understanding of the modern agricultural industry is essential. Today's agriculture is vastly different from the traditional concept. Too often agriculture is regarded as being limited to the farm and ranch where only about 11 per cent of our population now work. Actually agriculture still stands as the Nation's largest single business, employing in total approximately 40 per cent of our labor force.

At an accelerated rate, especially beginning in the 1930's, agriculture, operationally as well as humanly, has "gone to town." This trend toward fewer actual producers will probably continue.

In today's food and fiber economy, two persons are employed off-farm for each one on the farm. Too often, we have divorced or removed these off-farm portions of agriculture from the family of agricultural industries.

Agricultural people have now become recognized in three main segments:

1. **Suppliers** of machinery, fertilizers and other production resources. In Texas alone the annual

value of production items purchased by farmers and ranchers has been established at \$1.4 billion.

2. **Producers** on farms and ranches. Texas farms and ranches alone deliver annually to consumers food and fiber products with a retail value of about \$4.5 billion.

3. **Processors and distributors** of farm and ranch products. In Texas, the value added to farm and ranch products by processing, distributing, and storing agencies, amounts to approximately \$2.5 billion annually.

The great change in efficiency and improved technology in agriculture has paralleled or exceeded the changes in the Nation's other industries.

Since 1910, U. S. farmers have **doubled** their total output, **tripled** their output per man-hour, and are now operating their farms with one-third less manpower.

Since 1935, farm output on the same acreage has gone up 40 per cent. Milk production has gone up 32 per cent; egg production is up 50 per cent; and livestock production per breeding unit is up 25 per cent.

Not a single variety of wheat produced in 1900 is still in production today. At present, more than 70 per cent of all crop acreage is planted to varieties not even in existence in 1935. We could not grow these old varieties of crops today with our insect and disease problems and under today's economic conditions.

The increased efficiency of each farm worker in producing the prime requirements of food and fiber for all people has freed labor and technology for development in other areas of our national economy.

### Larger Farm Units

With these other changes, farm and ranch units are becoming larger and more complicated. The scientific farmer, with a keen knowledge of business, is the one who will likely survive the competition of the future.

A generation ago a man who failed in business could always go into farming. Today a man must be successful in business before he can afford to go into farming. Farming today requires an invest-

ment of about \$15,000 per worker, as compared to about \$6,500 for industry in general. On many Texas farms and ranches the investment per worker runs over \$50,000.

Agriculture is becoming more closely tied to the other important industries of our nation. For example, in Texas **Agriculture is the largest user of petroleum products.** Many segments of agriculture are inseparable from other industry.

### EDUCATION FOR MODERN AGRICULTURE

Recent surveys indicate that the major fields of agriculture can employ each year 15,000 new college graduates, if 15,000 with college training in agriculture can be made available. At present, our agricultural colleges graduate about 7,500 young men and women each year in agricultural sciences — 7,500 to fill 15,000 jobs.

With our rapidly expanding world population, the demand for men and women trained in agriculture continues to grow.

In a recent nationwide release, a leading industrialist stated: "America may be desperately short of missile engineers, but the Nation's No. 1 industry — agriculture — also is facing a manpower shortage, perhaps the worst in its history. It has farm leaders frankly worried. They fear that the industry is losing the cream of the younger generation to the glamour of the jet age, the nuclear age, the electronic age, the space age. They have coined a new term — the agridynamics age — to emphasize that agriculture has romance, adventure, and glamour, too."

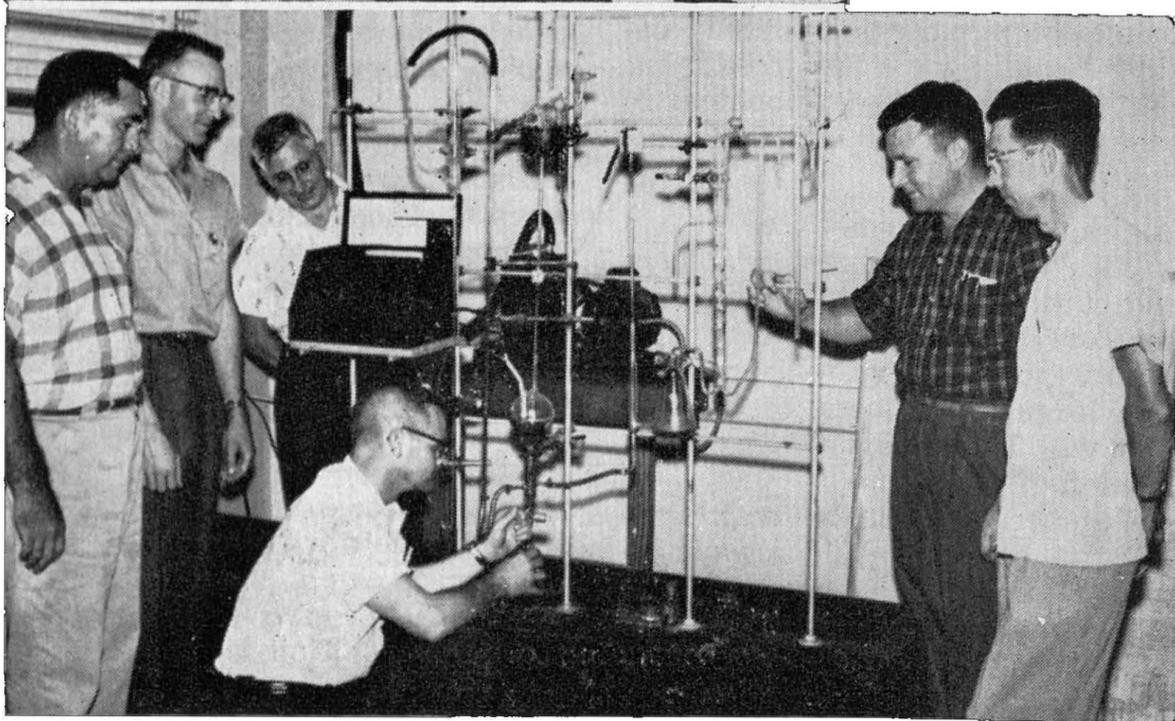
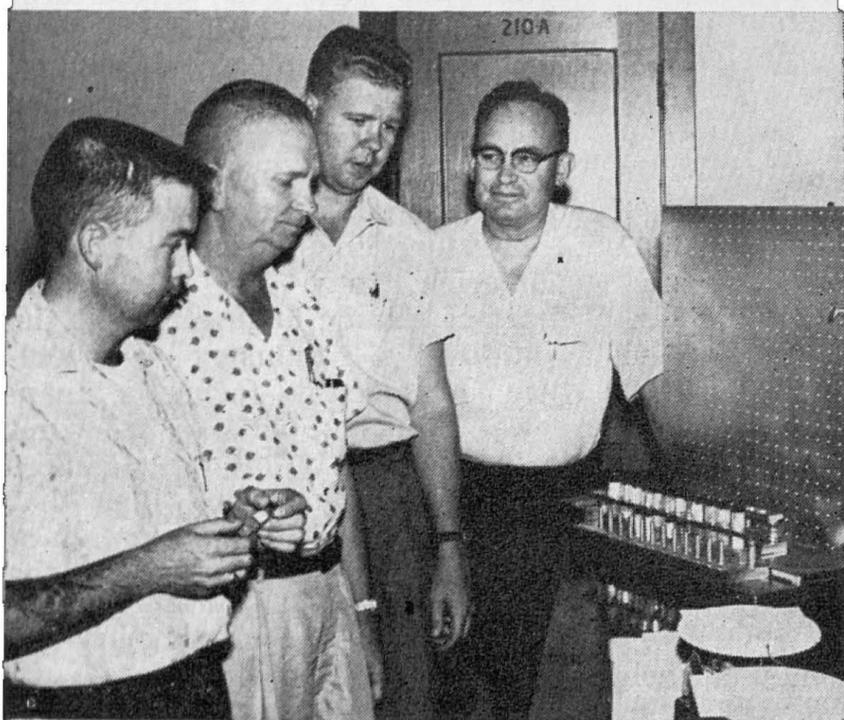
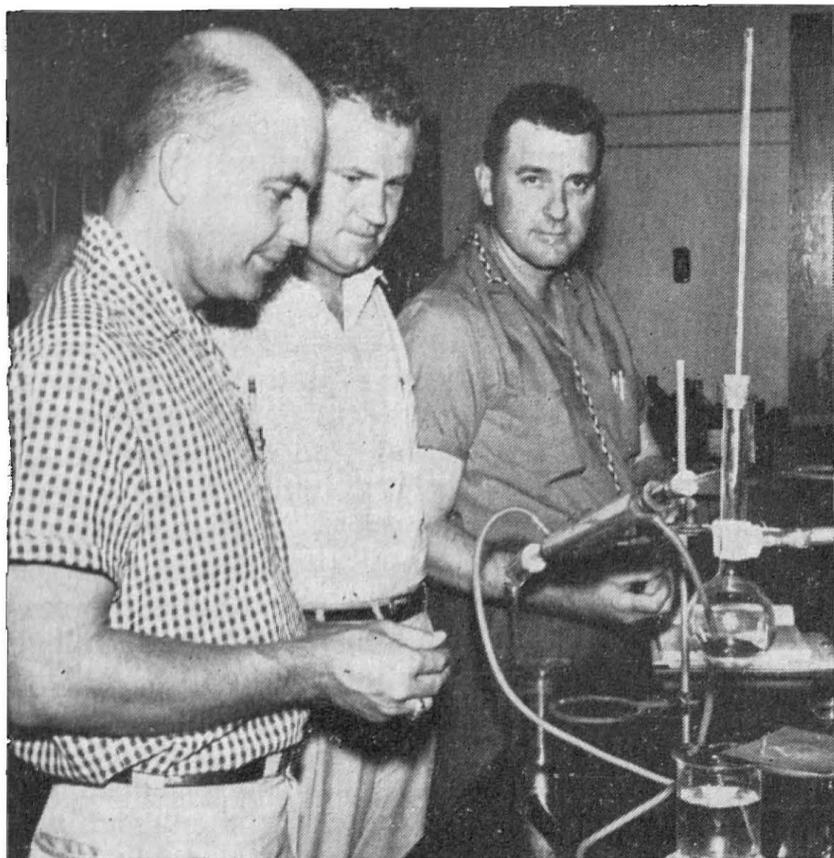
College training in agriculture leads to some of today's best careers. A good education is becoming more and more a basic requirement to success.

College curricula which place emphasis on the training of farmers only are clearly out of step with the present status of the agricultural industry. The future needs are for education in all aspects of the agricultural industry.

Progress can be made within the traditional department set-up, if proper recognition is given:

See **AG REPORT**, back cover . . .

# 24 Tech Exes Return To School For Study In Science Institutes



Twenty-four Texas Tech graduates returned to their alma mater this summer to once again be students and to "hit the books."

They are a part of the 730 graduate students enrolled for the first summer session which also included many of their old classmates and graduates from other schools.

Thirteen of the 24 are high school science teachers enrolled in a Chemistry Teachers Institute. The remaining 11 are biology and general science teachers participating in a special Institute for High School Biology Teachers. Both institutes are sponsored by Tech and the National Science Foundation.

The Chemistry Institute is a six weeks program designed to help high school science teachers get additional education in chemistry and to improve the quality of science teaching in secondary schools.

A total of 71 teachers enrolled in the Chemistry Institute directed by Dr. Wesley Wendlandt, Tech research chemist.

Leaders in the different chemistry fields spent a week with the Institute lecturing in the mornings with labs in the afternoon. Speakers and their fields were Dr. John R. Lacer, physical, University of Colorado; Dr. R. W. Helmkamp, organic, University of Rochester; Dr. G. W. Ewing, analytical, New Mexico Highlands; Dr. A. I. Popov, inorganic, State University of Iowa; Dr. E. Anderson, nuclear, Los Alamos Scientific Laboratory; Dr. W. R. Hearn, bio-chemistry, Iowa State College.

**UPPER PICTURE** — Watching Lester L. Ericson, left, '51, Spur, do an experiment in an organic lab in the Chemistry Institute are Ewing Weaver, center, '41, Sundown, and C. A. Crawford, '47, Wellington.

**MIDDLE PICTURE** — Examining a chemical display made by James W. Mallard, far right, '31, Wolfforth, are, left to right, B. Rayfield Allen, '54, New Home; J. C. Richardson, '47, Lubbock; and Bill Reeves, '57 Petersburg.

**BOTTOM PICTURE** — In a physical chemistry lab, these Tech exes are conducting an experiment. They are left to right, Lewis E. Groves, '47, Guthrie; Ronald Gooch, '55, White Deer; Curtis Scharnberg, '36, Mineral Wells; John McKinzey, '50, Floydada; James C. Chorn, '50 New Mexico; William Carnes, '49, Slaton.



The eight weeks biology institute was directed by Dr. Earl D. Camp, '41 grad with a BS in botany. His wife is the former Charlotte Ballow, '39 BS in home economics education and a MS in the same field. Dr. Camp is an associate professor of biology and she is an assistant professor of home and family life.

Seventy participated in the Biology Institute including one from Puerto Rico. They had lectures each morning and lab work following the lectures and in the afternoon. They took field trips to Las Vegas, New Mexico and Xititla, Mex.

Participants in both institutes received a stipend from the National Science Foundation grant during their stay at Tech, and six-hours graduate credit.

Exes in the Chemistry Institute included:

John L. McKinzey, '50 with a BS in petroleum engineering, a science teacher at Floydada Senior High School.

James C. Chorn, '50 grad with a BS in education, teaches at New Mexico Military Institute. He has two children.

Lewis E. Groves, '47 grad with a BS in agricultural education and a MS in '49 in economics, teaches science and driver education at Guthrie High School. He is married to the former Mary Herring, BS in education, '43. They have two children.

J. C. Richardson is a chemistry teacher at Monterey High School, Lubbock. He received his M.Ed. from Tech in '47. His wife, the former Ada Casey, graduated with a BA in engineering in '56. They have four children, one will be a freshman at Tech this fall.

Curtis R. Scharnberg teaches at Mineral Wells High School. He graduated with a BS in dairy manufacturing in '36 and has two children.

Bill E. Reeves teaches at Petersburg High school. He graduated with a M.Ed. in '57. His wife is the former Pat Reeves, '57. They have two children.

Williams A. Carnes, '49 with a BS in chemical engineering, teaches at Slaton High School. His wife is the former Newma Timms, '49 with a BS in speech. They have four children.

**UPPER LEFT** — Inspecting tree rings in a cross section of a tree trunk during the Biology Institute are Joseph Wendell Watson, '37, Pampa; Dr. Earl D. Camp, '41, director of the Institute; and Joseph McCreary, '40, Shallowater. **UPPER RIGHT** — Studying a live tarantula in a biology lab are, left to right, Charles Saunders, '58, Roscoe; Toley W. Hart, '55, Houston; Clint Low, '50, Burnett; and Paul N. Brown, '58, Ropesville.

**LOWER RIGHT** — Studying the structures of insects are Mrs. Kathleen Brunson, '52, Lubbock; Ralph George, '56, Enochs; Claude Spears, '50, Idalou; and Gerald Thompson, '56, Bula.

Lester L. Ericson, teaches at Spur High School. He received his BS in '51 and MS in '53 in animal husbandry. He has two children.

Ewing Weaver teaches at Sundown High School. He is a '41 grad with a BS in agriculture and received a MS in education in '51. He has four children.

B. Rayfield Allen, teaches at New Home. He received his BS in geology in '54 and is married to

See **INSTITUTES**, page 9 . . .

# Workshops, Short Courses Aid In Setting Enrollment Record

Texas Tech is showing its growth this summer.

It is experiencing its largest summer enrollment and largest number of graduate students in its 34-year history with 3,580 students registered for the first term and 2,308 registered for the second term.

The first session enrollment figures exceeds by 358 the previous record summer enrollment set in 1957 when 3,049 attended the first summer session.

Dr. Floyd Boze, dean of admissions and registrar, attributes the record figure to the large number of special workshops, institutes and diversity of summer courses available at Tech.

Dr. W. B. Gates, dean of the graduate school, said enrollment in Tech's Graduate School the first session was 730—the largest number on record.

Besides the Biology and Chemistry Institutes in which 141 are enrolled, there are 25 workshops on campus.

Twenty-six high school juniors with outstanding ability in science participated in a special five-week Summer Physics program under a \$5,000 National Science Foundation grant.

The program was designed for top high school scholars to receive college-level instruction in physics, featuring regular classroom and lab assignments, special lectures and a field trip to research labs. The group had a mean I.Q. score of 131.2.

All phases of cotton gin mechanical and management programs were studied by South Plains ginners attending a special short course sponsored by the agricultural engineering department.

Backing the short course were

**COTTON GINNERS** from the South Plains area learned all phases of cotton gin mechanics and management at a Cotton Gin Short Course sponsored by the agricultural engineering department. Inspecting an automatic cotton sampler at a firm in Lubbock are, left to right, George Hill and Charlie Hunter, Lubbock; and Ross Hargrove, Colorado City.

nine gin machinery and supply companies that have contributed or made a loan of equipment valued at approximately \$50,000.

Effects of irrigation—economically and technically—were explored in the agricultural engineering short course on irrigation. Vocational agricultural teachers were instructed in the engineering problems of irrigation covering planning, operation and general information.

The business education department conducted a workshop for business teachers which emphasized shorthand and typewriting.

Two short courses were taught by the clothing and textiles department concerning newer methods of construction and applications of these new techniques. Garments were made with emphasis on cutting to fit, accuracy and professional appearance of garments.

In the applications course, discussion and lab work was centered on applications of the newer construction methods to effective classroom usage.

Demonstrations and construction of hats for various occasions were part of a special problems five-day short course in millinery.

Lectures and demonstrations to aid individuals in developing poise through proper grooming, posture, and selection and use of clothing and accessories were taught in the personal development short course.

A short course is presently being

conducted by the clothing and textiles department on pattern design. Laboratory work includes making a sloper, a basic pattern and designing and constructing garments.

The food and nutrition department had a workshop in food demonstration designed for home economists working with the public.

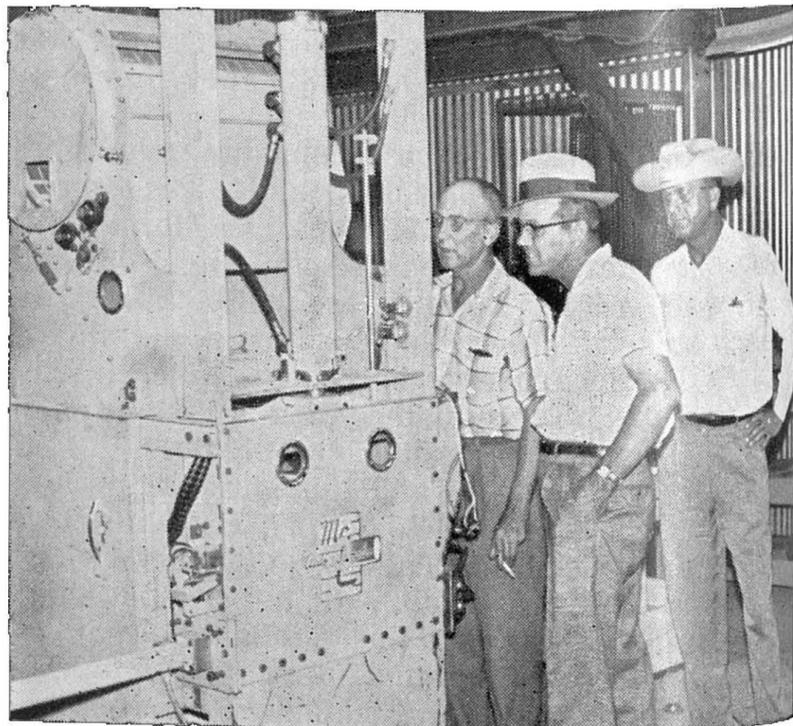
A home nursing short course was taught by the home economics education department. Participants completing the course are entitled to teach Red Cross home nursing classes and to assist in Civil Defense programs.

Newest features of home architecture, furniture, arrangement, color and accessories were given during a workshop in interior design. Representatives of nationally known firms specializing in home furnishings joined the applied arts department faculty in lectures and demonstrations.

Specialists in school lunch programs learned economy comes through utilizing surpluses of powdered milk, flour and meal which are available through federal aid on school lunches.

More than 350 workers from Texas and New Mexico attended the school lunch workshop, annually the largest on campus, learning how these substances can be used to turn out tasty hot breads, pies and cakes on a mass basis.

The speech department conduct-



ed two workshops. The first was directing school speech activities of the High School Dramatics and Forensics Workshop.

The workshop in dramatics and forensics for high school juniors and sophomores included study and practice in all phases of speech. Students interested in dramatics performed plays learning the theory and practice of make-up, costume and lighting, as well as acting. Those interested in debate participated in several practice sessions and a public demonstration.

The education department offered two education workshops during the first term of the summer session. The first was Aviation Education in the Space Age lasting three-weeks. The second concerned School Business Services.

In the Air Age Workshop, offered in cooperation with the Civil Air Patrol and the United States Air Force, special emphasis was placed on instructional materials and units in Air Age geography, science, weather, and safety needed by teaching.

Business and education topics were combined at the School Business Services Workshop. A work session was included on legislation including discussion on certification provisions, controlling statutes for school purchasing, Federal Reserve regulations and financing from the state level.

The foreign language department offered two courses—one a summer program of beginning German for children and a special three-week course offered for

See **SUMMER**, page 19 . . .

**TWO TECH EXES** are among the South Plains teachers enrolled in a special audio-laboratory for teaching Spanish. Recording an instructional tape for teachers who will be teaching Spanish-speaking children how to speak English are, left to right: Kara Dunn, '53, BA in history, Lubbock; James Mallard, '55 grad, Post; and W. T. Roulos, Odessa.



**PARTICIPANTS** in the Air Age Workshop, sponsored by the education department, receive instruction in geography, science, weather and safety. Studying an aeronautic map showing altitudes and satellites are, left to right, Capt. Julian Finchers, U. S. Air Academy; TeBo Reed, Lubbock junior high principal; Joyce Morton Kurtz, '55 Tech grad with a BS in history, Lubbock; and Malcolm Holloway from Convair, Fort Worth.





with bill holmes

Summer-time's version of the hot stove league generally relates to "what sort of freshmen did Texas Tech recruit for football?"

Returns are just about in, and there are smiles on the faces of the Red Raider coaches. True, some mighty big names got away, but Tech signed some that were highly-desired by other schools.

Coach DeWitt Weaver and staff won't be satisfied until Tech gets every player it wants within a 200-mile radius of Lubbock. Add those boys to key players living outside the immediate area, and the school will turn up with really outstanding varsity teams.

That goal, no doubt, impossible, will be approached so closely in the near future that the grid stock will take a sharp rise. Organization of Tech's alumni in key towns is under way, a factor that should keep the big ones from getting away.

Rather than a mere listing of players and accomplishments, here's an informal look at some of them.

**Interested in all-staters?** Here's an idea of what to expect:

Conference 4A first team selection was fullback Coolidge Hunt of Lubbock; a second team choice, guard Charles Edgemon of Wichita Falls . . . tackle Frank Aycok of Abilene made the Waco Times-Herald's first team.

On the Conference 3A first team were end Jerry Garrison of Levelland, tackle Charles Huddleston of Breckenridge, and halfback Joe Ed Pesch (pronounced "Peach") of Breckenridge . . . The Dallas Times-Herald's second team included halfback C. W. Williams of McKinney and guard Alfred (Pete) Peterson of Gainesville . . . A conference A second team choice was guard Winfrey Shipp of Hale Center . . . quarterback Johnny Lovelace of Farwell.

All-New Mexico halfback Richard Willis and fullback John Hammons of Fort Sumner.

**Texas High School All-Star se-**

lections include end Jerry Garrison of Levelland, tackle Jimmy Rex (Red) Little of Rankin, and tackle Charles Huddleston of Breckenridge . . . Greenbelt Bowl picks are tackle Eddie Boydston of Canyon, Pesch of Breckenridge, guard Larry Kimberlin of Breckenridge, tackle Keith White of Tulia, and end Tommy Hayes of Electra . . . Oil Bowl and the Panhandle classic will also include Tech freshmen.

**Players off state championship teams:** Edgemon of Wichita Falls, Huddleston, Pesch, and Kimberlin of Breckenridge.

**Statistics impress you? Then look at:** Halfback Perry Carpenter of Springtown, who averaged 13 yards a carry, 2105 yards rushing on 155 carries, completed 43 of 66 passes for 1,073 yards and 19 touchdowns, scored 130 points, averaged 317 yards a game total offense . . . P. S.: he won the Conference A state high jump, 22-4.

**More figgers:** Pesch of Breckenridge stands only 5-8, weighs 165, but he accounted for 100 points, averaged 9.3 yards a try, 36.7 punting, caught 10 passes . . . and has run the 100 in 9.5. And then there's halfback Billy Thetford of Whitharral who scored 136 points his senior year.

Also, C. W. Williams, of McKinney, who gained 820 yards rushing although missing four games with a broken hand.

**Like outstanding students?** How about Peterson of Gainesville, a National Merit Scholarship winner and these other honor society members—Kimberlin of Breckenridge, halfback Richard Willis of Fort Sumner, N. M., fullback John Hammons of Fort Sumner, Little of Rankin, halfback Ronnie Short of Lovington.

**How about size?** Lovelace the quarterback from Farwell stands 6-4, weighs 212. Peterson, the tackle, weighs 241 pounds.

Multi-sport athletes are plentiful. Likewise, the list of team cap-

tains, class presidents, and student council members is long.

Exes particularly will be interested in halfback Yippy Rankin of Midland, son of former Raider Walter Rankin. Yippy averaged 4.4 yards a try, returned 10 kick-offs 170 yards, led his team in scoring, punted well, and caught passes. In addition, he was all-district centerfielder in baseball.

Other newcomers could be listed under the categories mentioned above, but the preceding is just a sampling of the questionnaires on hand.

A good schedule has been lined up for the Picadors, who will meet North Texas in Lubbock Oct. 8, Hardin-Simmons in Abilene Oct. 15, Arkansas in Lubbock Oct. 31, West Texas State in Canyon Nov. 5, and Air Force Academy in Colorado Springs Nov. 20.

Concluding a sports column without mentioning the stadium construction would be a sin, especially when it is the steel framework of the pressbox that is now looming high above the stadium.

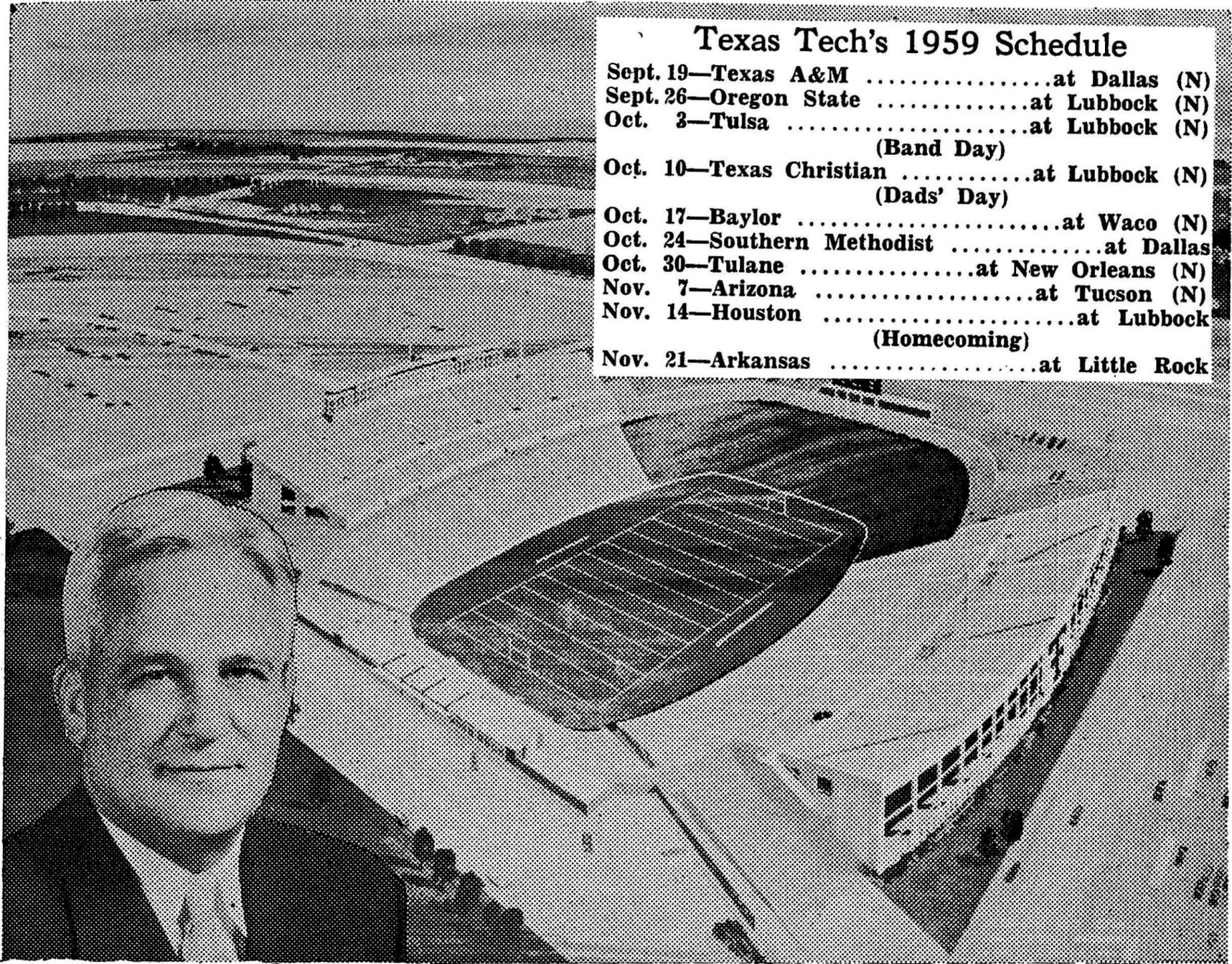
Work has also advanced so rapidly that the stadium offices may be ready in November.

## Dallas Exes Plan Reception

The Dallas Chapter of the Texas Tech Ex-Students Association is planning, not one, but two receptions this fall.

The first will be Sept. 19 when the Red Raiders will meet the Texas A&M Aggies in the Cotton Bowl at 8 p.m. The reception is scheduled from 1 to 5 p.m. in the Embassy West Room at the Statler-Hilton Hotel.

Oct. 24 is the date of the second reception when Tech plays Southern Methodist University in Dallas. This reception will be from 10 a.m. to 1 p.m. in the Statler-Hilton.



Sept. 19—Texas A&M	.....at Dallas	(N)
Sept. 26—Oregon State	.....at Lubbock	(N)
Oct. 3—Tulsa	.....at Lubbock	(N)
(Band Day)		
Oct. 10—Texas Christian	.....at Lubbock	(N)
(Dads' Day)		
Oct. 17—Baylor	.....at Waco	(N)
Oct. 24—Southern Methodist	.....at Dallas	
Oct. 30—Tulane	.....at New Orleans	(N)
Nov. 7—Arizona	.....at Tucson	(N)
Nov. 14—Houston	.....at Lubbock	
(Homecoming)		
Nov. 21—Arkansas	.....at Little Rock	

**LOOKING AHEAD**—Between games on Texas Tech's 1959 schedule, Coach DeWitt Weaver could be excused for watching construction on the Jones Stadium expansion to 40,000 capacity by 1960, when the Red Raiders first compete for the Southwest Conference football championship. Following this season, the present east stands will be moved back 200 feet, the field will be excavated 30 feet, and the ensuing slopes lined with seats. The pressbox and improvements under the west stands will be ready for the 1959 season, and athletic offices will be completed during the winter.

## INSTITUTES . . .

Continued from page 5

the former Paula Osborne, '54. They have two children.

C. A. Crawford, teaches at Wellington High School. A '47 grad with a BS in agricultural education, he has three children.

Ronald E. Gooch, '55 grad with a BA in chemistry, teaches at White Deer High School. He has one child.

James W. Mallard teaches sciences at Frenship Rural High School, Wolfforth. He received his BA in geology in '31, M.Ed in '47 and Ph.D. in '55 from Tech. His wife is the former Vera Hall. They have three children, of which two sons are Tech exes.

Exes participating in the Biology Institute are:

Paul N. Brown, '58 grad with a BS in education, teaches at Ropesville. His wife, the former Carolyn Brown will graduate from Tech

this summer. They have two children.

Mrs. Kathleen Brunson teaches in Lubbock High School. She received her BA in zoology in '52.

Ralph A. George teaches at Bula High School, Enochs. He was graduated with a BS in agricultural education in '56.

Toley W. Hart, '55 grad with a BS in agricultural education teaches at M. B. Smiley High School, Houston. His wife is the former Saradel Lilljedal, '54 with a BS in physical education. They have a boy and a girl.

Brodie Hutchinson, teaches at Andrews High School. He received his BS in education in '50 and his M.Ed. in '53.

Clint Low Jr. teaches at Burnett High School. He is a '50 grad with a M.Ed. and he has one child.

Joseph McCreary teaches at Shallowater High School. He was graduated with a BS in '40 and a

M.Ed. in agricultural education in '51. His wife is the former Moselle Baum, '41 with a BS in elementary education. They have two children.

Charles Saunders, '58 with a BS in elementary education teaches at Highland High School, Roscoe.

Claude Spears teaches at Idalou High School. He received his BS in physical education in '50 and his MA in education administration in '55. His wife is the former Betty Crow, an ex. They have two children.

Gerald Thompson teaches at Pep High School, Bula. He received his BS in agricultural education in '56.

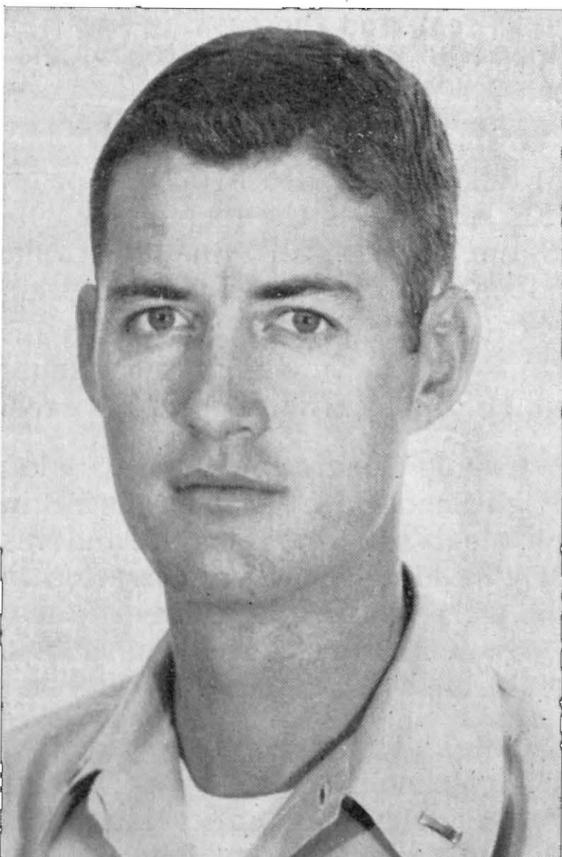
Joseph Watson teaches at Pampa High School. He was graduated with a BA in zoology in '37 and received a M.Ed. in '53. His wife is the former Annie Faye Miller, BS in home economics '40 and M.Ed. in elementary education in '55. They have five children.



# Techsans In Service

Brigadier General **W. Austin Davis** was nominated for the temporary rank of major general by President Eisenhower in May. His advancement to this new rank is subject to confirmation by the U.S. Senate. Graduated with a BS in mechanical engineering in '36, General Davis is director of plans and programs at headquarters, Air Material Command, Wright-Patterson Air Force Base, Ohio.

Maj. **E. D. Bednorz** is enrolled in the Air Force Institute of Technology for two years study in graduate astronautics at Wright-Patterson AFB, Ohio. Bednorz was graduated in '49 with a BS in mechanical engineering.



**Buddy Moreman**

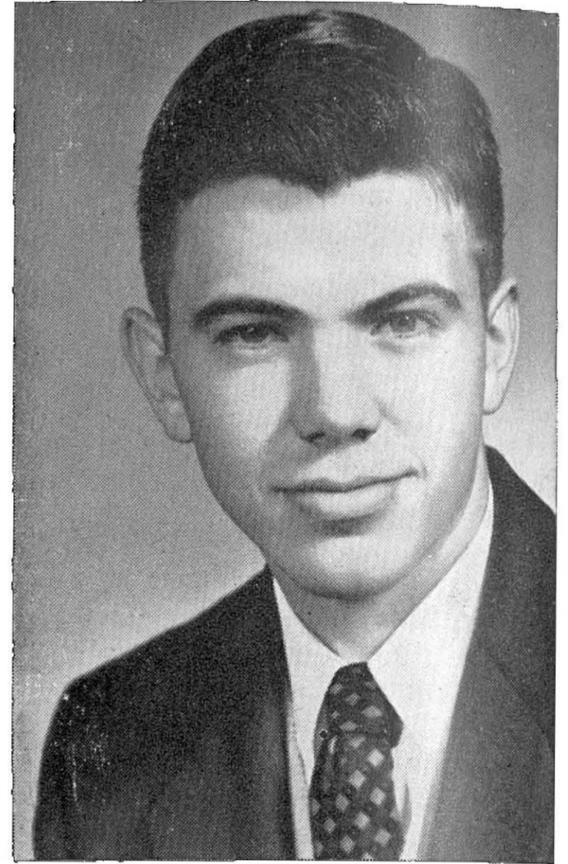
Lt. **Erwin (Buddy) Moreman Jr.**, was graduated in June from Webb Air Force Base with an over-all flying grade of "excellent" and was assigned to Moody AFB, Ga., for training in All-Weather Inter-

ceptors. Moreman started flying at the age of 12 and was the first student to complete the ROTC Flight Instruction Program at Tech. Graduated with a BS in industrial engineering in '57, he was president of the American Institute of Industrial Engineers, member of Phi Delta Theta executive council and a member of the Tech Choir.

**Billie Louise Hutchings** has been selected for an assignment with Army Special Services overseas. Her position will be recreation supervisor, and she will be located in Germany, Italy and France. Miss Hutchings received her BS in speech in '50.

**Rayburn Atwell Metcalfe**, '51 graduate with a BA in psychology, has completed an internship and has been assigned to a regular position in the Air Staff. As part of his initial training, he participated in an intensive orientation program to familiarize him with the organization of the Air Force, its functions, missions and objectives; and in a program which provided instruction in the application of basic management principles and techniques. He has now been assigned to the position of Placement Officer in the Staff Civilian Personnel Division Office. Secretary of the Air Staff, Washington, D.C.

1st. Lt. **Stewart B. Rice**, '57, has just received promotion and was graduated from Radar Interceptor School at James Connally Air Force Base, Waco. He is now being transferred to Kingsley Field, Klamath Falls, Ore. He, his wife, the former Madeline Homes, and their two children will be in Oregon 18 months. Rice was graduated from Tech with a BS in agri-



**Stewart B. Rice**

cultural education.

Army 2/Lt. **Duane L. Miller**, '58 grad with a BA in industrial engineering, has just completed the 17-week field artillery officer basic course at the Artillery and Missile School, Fort Sill, Okla. Designed for newly-commissioned officers, the course trained Miller in the duties of a forward observer and familiarized him with the responsibilities of a battery grade officer. At Tech, he was a member of Phi Gamma Delta. He is married to the former Barbara Kay Tinney, an ex.

2/Lt. **Darrell D. Smith**, '58 grad, completed a ten-week officer basic course in June at the Army Signal School, Fort Monmouth, N. J. He received instruction in leadership, small unit tactics, staff and command procedures and communications methods.

Army Pvt. **James H. Patterson** and Pvt. **Lee Boyd Montgomery** have completed eight weeks of advanced individual artillery training at the Artillery and Missile Center, Fort Sill, Okla. They received training in map reading, mathematics and the use of survey equipment utilized in locating enemy positions which will become targets for artillery fire. Patterson is a '59 grad with a Bachelor of Architecture. He is a member of Kappa Sigma. Montgomery is a '58 graduate with a BM in music education and is a member of Alpha Tau Omega and Kappa Kappa Psi. He was employed as band director by Sudan Public Schools before entering the Army.



# The Hitchin' Post

**Vesta Mae Chandler** and **Virgil Piccolo** exchanged vows May 9, in the Midland First Baptist Church. The bride was graduated with a BBA in finance in '49. Piccolo was graduated from Oklahoma State University. The couple lives in Midland where he is employed by Sinclair Oil Company.

**Nathalie Gaye Irwin** became the bride of **Gerald Norris Hise**, '50 BS in petroleum engineering. The ceremony was read in First Presbyterian Church at Lawrenceville, Ill. The bride is a graduate of the University of Illinois and a member of Gamma Phi Beta. Hise is employed by Cities Service Oil Company in Bartlesville, Okla., where they will live.

The First Methodist Church in Denver City was the scene of the wedding of **Dixie Joyce Mason** and **Leon S. Puckett**, '55 with a BBA in management. The couple lives in Denver City where Puckett is employed by Continental Oil Company.

**Joy Woodward** and **Robert A. Manning** exchanged vows in a garden ceremony June 5, at Bell Buckle, Tenn. Manning is a '55 graduate of Tech with a BS in petroleum engineering. He is a geologist for Permian Basin Sample Laboratory in Midland where they will live. The bride is a graduate of Abilene Christian Christian College.

Amarillo Bible Church was the scene of the wedding of **Ellen White** and **Richard David Weekly**, '55 graduate with a BS in chemical engineering. Weekly is employed by the Department of Public Safety in Amarillo, and is a member of the American Institute of Chemical Engineers. The bride attended West Texas State College and Moody Bible Institute.

**Tommye Lou Curry** is the bride of **Johnny Axford Sartin**. They were wed in Plymouth Park Methodist Church in Irving June 13. Sartin was graduated from Tech in '56 with a BBA in finance. At Tech, he was a member of Sigma Alpha Epsilon, and is a member of the Kiwanis Club in Grand Prairie where they live.

The First Methodist Church in Haskell was the setting for the April 26 wedding of **Nabeela Hassen** and **Edward Keith David**, '56 graduate with a BS in geology. David is a geologist with the Texas Co. The bride received her BS from the University of Texas and is a member of Alpha Gamma Delta sorority. They will live in Midland.

**Claudie Dell Carpenter** and **Arnett Carl Preston** were married in the First Baptist Church in Dimmitt. The bride received her BBA in business education from Tech in '57 and has taught commercial subjects the past two years in Ropes High School. Preston graduated with a B. of Architecture this spring. They will live in Denver, Colo.

**Sara Janet Yancy** and **Milton Garner Estep** pledged wedding vows at the First Baptist Church, Lubbock, June 26. A Tech grad, the bride received a BBA degree in business education in '57. She was a member of Kappa Alpha Theta, Junior Council, Alpha Lambda Delta, Pi Omega Pi and Phi Gamma Nu. She is employed by the Plainview School System and her husband is employed by the Texas Highway Dept., engineering division. They live in Plainview.

Broadway Church of Christ, Lubbock, was the scene of the wedding of **Nancy Ann Kelley** to **Kenneth L. Hargesheimer**, 57 grad with a BS in dairy husbandry. The bride attended Lubbock Christian College. They live in Lubbock.

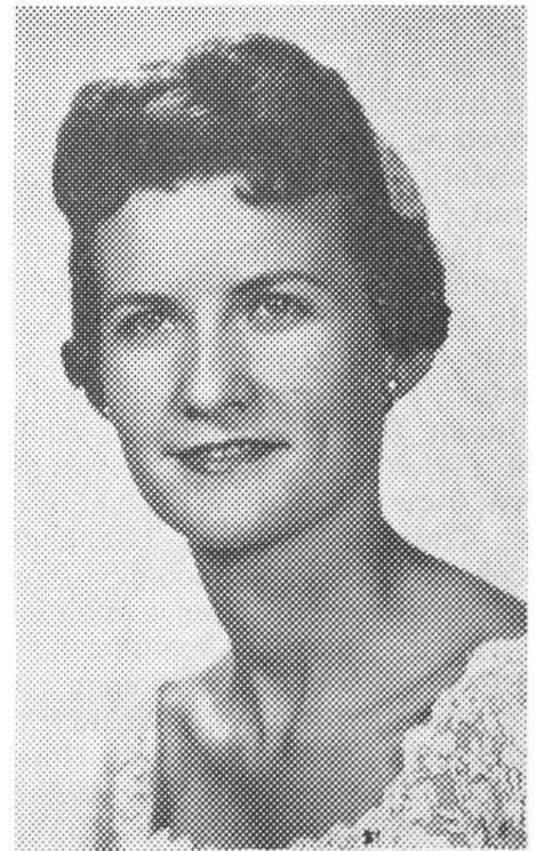
**Berta Jane Burton** and **William T. Cowart** were united in marriage at the First Presbyterian Church, Levelland. The bride is a '59 grad with a BS in elementary education. Cowart is a '57 grad with a BS in animal husbandry. He is employed by Paul C. Davidson Feed Mills in Pecos where they live.

**Loy Deann Buske** and **Richard Manuel Styles** exchanged vows in the Friona First Baptist Church. The bride is a '59 grad with a BS in home economics education. At Tech, she was a member of the

Student Council, Baptist Student Union, and Home Economics Club. Styles graduated in '57 with a BS in foreign language. At Tech, he was active in Saddle Tramps and the BSU. He is presently serving as an Army guided missile instructor at Fort Bliss.

**Mary Alice Richardson** and **Jerry R. Dunn** exchanged wedding vows in the Snyder Methodist Church. The bride is a '58 grad with a BS in elementary education, and taught in Snyder last year. At Tech she was president of the Association of Women Students. Dunn is a senior at Tech and a pledge of Phi Gamma Delta.

**Joan Z. Roberts** was wed to **Dr. W. Orlan Akins** at the First Methodist Church, Plainview, June 6. The bride is a '57 grad with a BA in elementary education. At Tech, she was recognized scholastically her senior year as being in the upper three per cent of her class. She was a member of the Interdorm Council. Student Council, Tech Choir secretary, Kappa Alpha Theta, Horn Hall president. Dr. Akins received his doctor of medicine degree from the University of Texas Medical School in May. He also attended Tech. They



**Mrs. Jerry Dunn**

## HITCHIN' POST . . .

Continued from page 11

live in Galveston where he is doing his internship at the University Medical Branch Hospital.

**Helen Jane Willis** and **Homer Franklin Jr.**, exchanged wedding vows in the Dumas First Methodist Church July 18. The bride received her BM in music education in '58 and has taught choral music in Travis and Hays Schools in Odessa. At Tech, she was a member of Kappa Kappa Gamma. Franklin is a '58 grad with a BA in chemical engineering, and is employed as a process engineer for El Paso Products Company of Odessa. They live in Odessa.

May 30 is the wedding day of **Sara Sheveland** and **Jackie Don Williamson** who exchanged vows in the First Presbyterian Church, Fort Worth. A '58 Tech grad with a BBA in business education, the bride was a member of Delta Gamma and Mortar Board. She is employed by the Pan American Petroleum Corp. Williamson is a junior at Tech and a member of Phi Gamma Delta. They live in Lubbock.

Wedding vows were exchanged by **Patricia Ann Noles** and **Donald D. Price** at the Broadway Church of Christ, Lubbock. The bride is a '58 grad with a BS in elementary education. She taught in Lubbock last year and will teach in El Paso this fall. Price attended Tech also and is employed by Furr Super Markets in El Paso.

**Kathryn Ann Veazey** became the bride of **Arthur S. Wolff** in the First Christian Church, Lubbock. She is a '58 Tech grad with a BM in music education and is employed as woodwind instructor and assistant band director at the University of Redlands, Calif., where she is working toward a master of music degree. Wolff is a graduate of DePauw University, Greencastle, Ind. They will live in Redlands.

**Janna Dean Murray** and **Richard (Wick) Alexander** exchanged vows June 22, in the First Methodist Church, Lubbock. The bride received her BA in zoology from Tech in June, and was a member of Mortar Board. Alexander is a '58 grad with a BA in zoology and is attending the Dental Branch of the University of Texas at Houston. At Tech, he was a member of the football team, Phi Delta Theta, listed in Who's Who in American Colleges and Universities, vice



Mrs. C. D. Ashley

president of the Student Council, and Mr. Texas Tech.

The First Baptist Church, Denver City, was the setting of the wedding of **Roberta Sue Olivo** and **Jerry Tom Eskew**. The bride is a graduate of Baylor University and Eskew is a '57 Tech grad with a BS in petroleum engineering. They live in Hobbs, N.M., where he is employed by Texas Pacific Coal and Oil Co.

University Baptist Church, Fort Worth, was the setting for the wedding of **Claudine Rayburne** and **David Laurence Marion**, June 13. The bride is a Texas Christian University graduate. Marion is a '58 Tech grad with a BS in electrical engineering. They reside in Fort Worth.

Wedding vows were exchanged by **Betty Carolyn Eller** and **Stanley B. Wheeler** in the First Methodist Church, Lubbock. The bride graduated from Tech in '58 with a BA in sociology. She is a member of Delta Delta Delta and is employed by Porter Oil Co., Inc. Wheeler is a '57 grad with a BA in government. He is engaged in farming at Southland. The couple lives in Slaton.

**Ray Ola Schneider** and **Robert E. Key** were united in marriage June 6, at the Lubbock First Methodist Church. The bride received her BM in music education in '58 and is a member of Mu Phi Epsilon. She taught in Slaton Junior High School last year. Key was graduated with a BS in park management in '59. He is a member of Phi Kappa Psi and employed by

the City of Lubbock Park and Recreation Dept.

**Janet Ann Reaves** is the bride of **Connell D. Ashley**. They were wed May 30. The bride received a BA in secondary education in '58, and was a member of Kappa Alpha Theta. She taught in Seminole last year. Ashley holds a LLB from the University of Texas. They live in Fort Stockton where he is practicing law and is the district attorney of the 112th Judicial District.

Graham First Methodist Church was the scene of the wedding of **Cora Jean McMurty** and **Charles Louis Strehli**. The bride is a June grad from Tech with a BS in home economics education and foods and nutrition. Strehli received his BA in government in '58. He is a lieutenant in the Army. The couple lives at Monterey, Calif.

Janet Turner became the bride of **Billy Alexander Leonard** May 16, in the Cleburne First Baptist Church. The bride is a TCU graduate. Leonard is a '59 Tech grad with a BBA in finance, and is a member of Alpha Tau Omega. They live in Colorado Springs, Colo., where he is stationed with the U. S. Army.

St. Paul's Episcopal Church, Lubbock, was the scene of the wedding of **Jean Amelia Smith** and **James E. Whitacre**. The bride is a Tech senior and member of Delta Gamma. Whitacre is a '59 grad with a BBA in finance and a member of Phi Kappa Psi. They live in Lubbock.

**Margaret Frances Hash** became the bride of **Arthur George Green** in the home of her parents. The bride is a June grad with a BS in home economics. Green is a student at Odessa College. They live in Odessa where the bride is employed by Texas Electric.

First Methodist Church, Lubbock was the scene of the wedding of **Carol Frances Kimbrough** and **Hugh Bob Tilson**. A June grad of Tech with a BS in home economics education, the bride is a member of the Home Economics Club and Kappa Kappa Gamma. Tilson is a graduate of West Texas State College and is a student at Baylor Dental University in Dallas where they live.

Mr. and Miss Texas Tech for '59, **Sharla Jan Pepper** and **Carson Donnell Echols** were wed June 5, in the First Methodist Church, Lubbock. Both are '59 graduates. The bride received her BS in elementary education, and Echols received a BS in agricultural econo-

mics. She was a La Ventana beauty, cheerleader, '58 Homecoming Queen, and a member of Delta Delta Delta. Echols was Student Council president, Inter-Fraternity Council president, and president of Phi Gamma Delta. They live at Lamesa where he is engaged in farming and ranching.

Nita Hedleston exchanged vows with **Stanton L. Koop** May 30, at the Big Spring First Christian Church. The bride, a June graduate with a BA in journalism, was a member of Pi Beta Phi and Theta Sigma Phi. She is employed by KDUB-TV, Lubbock. Koop is a senior at Tech and a member of Sigma Alpha Epsilon.

**Kay Elaine Kring** became the bride of **Charles Edmond (Chuck) Key** in the Abilene First Baptist Church. Key received his BBA in industrial management in June and was a three-year member of the Red Raider basketball team and of the Double T Assn. He is also a member of Phi Delta Theta and of the Optimist Club. The bride will be a junior at Tech this fall where she is a secondary education major and a member of Delta Delta Delta and Tech Singers. They live in Lubbock where he is with the Plains Warehouse Company.

Second Baptist Church, Lubbock, was the scene of the wedding of **Patsy Ann Watson** to **Forrest Reginald Narmour**. She was graduated with a BS in elementary education in June and will teach this fall in the Lubbock Independent School System. Narmour is a junior majoring in architecture. They live in Lubbock.

**Evelyn Nadine Ray** and **Glen McDowell** exchanged vows in the First Baptist Church, Friona. Both are June graduates, she received a BS in home economics education, and he received a BS in industrial engineering. They live in Dallas.

At home in New York City are **Mary Emma Pfingsten** and **Ray Watson Moore**, who exchanged wedding vows in the First Methodist Church, June 13. Moore is a June grad with a BM in music education. At Tech, he was president of the Tech Choir and Phi Kappa Psi, and director of Phi Mu Alpha. She attended Tech for two years and was a member of Alpha Lambda Delta and Mu Phi Epsilon. Moore is working toward a master's degree in music and she is continuing her studies at Columbia University.

June graduates, **Carole Janet Nichols** and **Bobby Leland Minich** were married at the First Christ-

tian Church, Lubbock. The bride received a BA in art and he received a BS in industrial engineering. They live in Houston where Minich is employed by Continental Grain Co.

June 2 was the wedding date of **Willodyn Weston** and **Hal Dean Tucker**. They exchanged vows in the Kress Church of Christ. He received his BS in electrical engineering in June and is now employed with the Convair Company in Fort Worth. The bride attended Tech for a year and a half.

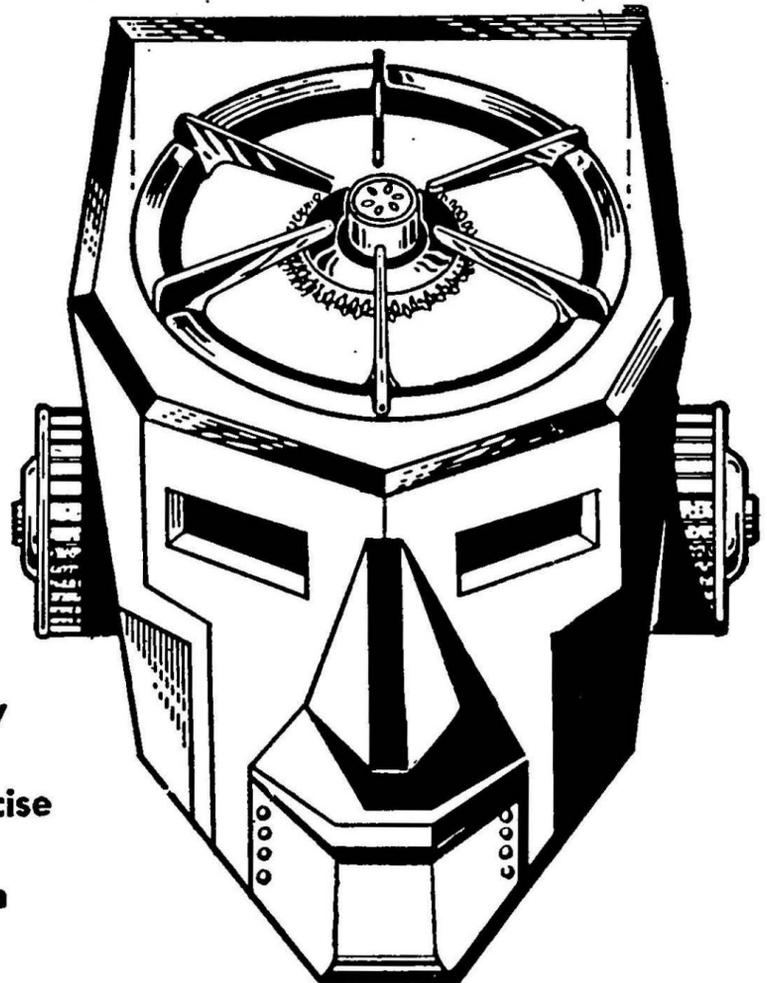
## Dr. Jones Accepts Midwestern Job

Dr. E. N. Jones, who resigned as Texas Tech president effective Aug. 31, has accepted a position as dean of instruction at Midwestern University in Wichita Falls.

Accepting the deanship Sept. 1, Jones will direct Midwestern's academic activities, particularly in meeting new requirements of state-support.

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# Bear our banners far and wide,

'29

**James Monroe Harris** is living in Amarillo and is district maintenance engineer of the Texas Highway Department. Harris majored in civil engineering at Tech.

**Eugene Elkin Jordon** is judge of the 47th Judicial District in Amarillo. Director of Naval Reserve Officers School in Amarillo, he received his LLB from the University of Texas. He majored in pre-law at Tech.

**Dr. George Waddell** is a physician in Amarillo specializing in pediatrics. He received his MD in '35 from the University of Texas Medical Branch in Galveston. He is also a Diplomate of the American Board of Pediatrics and a member of the American Academy of Pediatrics. He received his BA from Tech.

**P. S. Viles** has been granted a U. S. patent on an "Operation Bootstrap" in which a hydrogenation process derives the necessary hydrogen from gases produced in the process itself. This is his 19th patent covering various petroleum refining techniques. Viles is a senior research chemist in Humble Oil and Refining Co.'s Research and Development Division at Baytown. Viles, a BS in chemistry, has three children.

'30

**John Riley Powell** is a partner of Powell Insurance Agency in Dumas. He received his BA in business administration.

'34

General manager of Furr's Inc., Amarillo Division, is **Donovan (Donnie) Lee Stafford**. His wife is the former **Ruth Jamison**. At Tech, Stafford was a member of Alpha Tau Omega. They have two children, Susan, 21 and Sandra, 18.

Branch manager for Southwest Investment Co., El Paso, is **Clarence B. Bobo**, BBA in business administration. That is the company's largest branch in the nation. At Tech, Bobo was a member of Los Cams (Pi Kappa Alpha) and played football. He has one son, Robert, who graduated from Texas Western this spring and

was a Border All-Conference tackle. Robert has been signed with the Chicago Cardinals to play pro ball. Bobo is active in the Baptist Church, Kimanis Club and civic affairs.

**Lilla Belle Pitts**, formerly Lilla Belle Llewellyn, is the wife of Judge E. L. Pitts of Amarillo. She received her BA from Tech.

Circulation manager of the Globe-News Publishing Co. in Amarillo is **Trenton T. Davis**. His wife is the former **Evelyn Hamilton**, class of '37 and a major in English. Davis received his BS in economics.

**John R. Sanderson** is now a Certified Public Accountant and attorney in Amarillo. His wife is the former **Pauline Buchenau**. She graduated with a BBA in business administration in '40. He received his BA in government and a MA in '36.

**Robert Herbert Davis** is the vocational ag teacher at Amarillo High School. Graduated with a BS and a MS in '49 in agricultural education, he is past president of the Lions Club, received the honorary American Farmer Award in '56 and is past president and director of the area Vocational-Agricultural Teachers Assn. His wife is the former **Bernice Pray**.

'36

**John Grisson** is president of Del Norte Mortgage Co. in El Paso. At Tech he was a business major. He has a daughter, 17, and a son, 11.

'37

Head of the firm of Richards and Ferguson, attorneys at law in Dalhart, is **Floyd Holt Richards**. Awarded his BA in government from Tech he received his LLB from the University of Texas.

**Harry A. Bozeman Jr.**, is assistant director of Public Works in Amarillo. His wife is the former **Dorothy Coard**, '37 a business major. He received his BS in civil engineering.

Former Dean of Engineering at Tech, **Dr. Dysart E. Holcomb**, is director of research for El Paso Natural Gas, El Paso. He is also a former president of Texas West-

ern College. Holcomb was graduated with a BS in chemical engineering and received his masters and Ph.D. from the University of Michigan. He has four children ages 17, 13, 9, 7, and is a member of the Board of Directors of the Tech Foundation.

'38

Composer of the "Fight Raider Fight" song, **Carroll McMath**, is band leader of the Denton High School Bronco Band. He took his high school students to the annual Tri-State Band Festival in Enid,



**Herb Davis '35**

Okla., and carried away 31 prizes in competition with 10,000 other musicians. The Denton High School 1959 yearbook also was dedicated to McMath, who was graduated with a BM in education. His wife the former **Roberta Ellison**, '43, majored in home-economics. They have two sons, Bob and Bill, Bob made first place in the coronet solo in the contest.

'41

**Charles E. Black**, BS in horticulture, owns Black's Nursery in El Paso.

'42

**H. D. Haley**, Glenrock, Wyo., BS

in petroleum engineering, has been promoted to assistant superintendent of Continental Oil Company's Central Wyoming production district, with headquarters at Linch, Wyo. He formerly was district engineer for Conoco.

**William Dean Dunlap** is a partner of Lumpkin, Watson and Dunlap attorneys in Amarillo. He is also assistant District Attorney and a captain in the USAR. He received his BA in government at Tech.

**Francis N. Harris**, BS in chemistry, has joined Halliburton Oil Well Cementing Co.'s production improvements section as staff engineer chemical services. He has been a member of the analytical section in the chemical research and development laboratories at Duncan, Okla. Harris joined Halliburton in '46 and has been primarily identified with acidizing.

'43

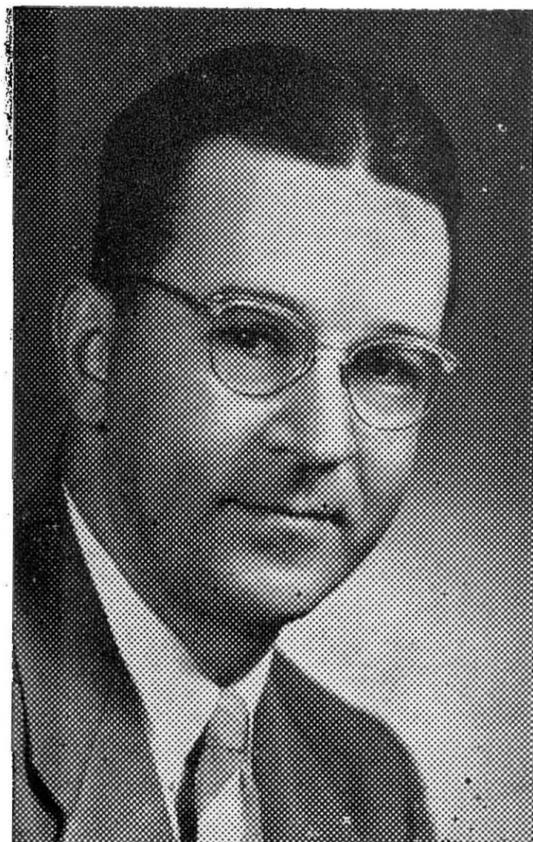
**Luther Earl Wossum**, BS in architectural engineering, is an architect in Amarillo. He is a major in the Reserve Air Force, registered architect and professional engineer, and a member of the Lions Club.

'45

**Dr. H. Robert Hayes** is a dentist in El Paso. A pre-dental student at Tech, Hayes played football and was a member of the Double T Assn. He has three children.

'47

Secretary for Oil Development Company of Texas in Amarillo is Mrs. **Mary Long**. She received her BBA in secretarial studies at Tech.



**Dr. D. E. Holcomb '37**

**Durward Velton Payne**, BBA in accounting, is an accountant in Amarillo for Plains Machinery Company.

**Jack W. Boone** recently joined Fred L. Oliver and Associates, a petroleum engineering consulting firm in Dallas. He will work primarily in reservoir engineering, a field in which he has specialized for several years. Boone received his BS in chemical engineering from Tech and his MSE from the University of Michigan in '48.

'48

Mrs. **Evalene Holly** is an associate professor at Amarillo College. She received her BS in home economics education and MS in '52 from Tech.

'49

**Vernon E. (Jack) Thompson**, assistant comptroller at Tech, became Midwestern University business manager in June. Graduated with a BBA in marketing, he has been on the Tech staff since '49, except for a period of Army duty. Thompson is married to the former **June Stine**, BA in journalism. They have two sons.

**Rudolph M. Keeney** is a Certified Public Accountant in Dumas. His wife is the former **Freda Joy Thompson**, '49 commerce major. Keeney majored in accounting at Tech.

'50

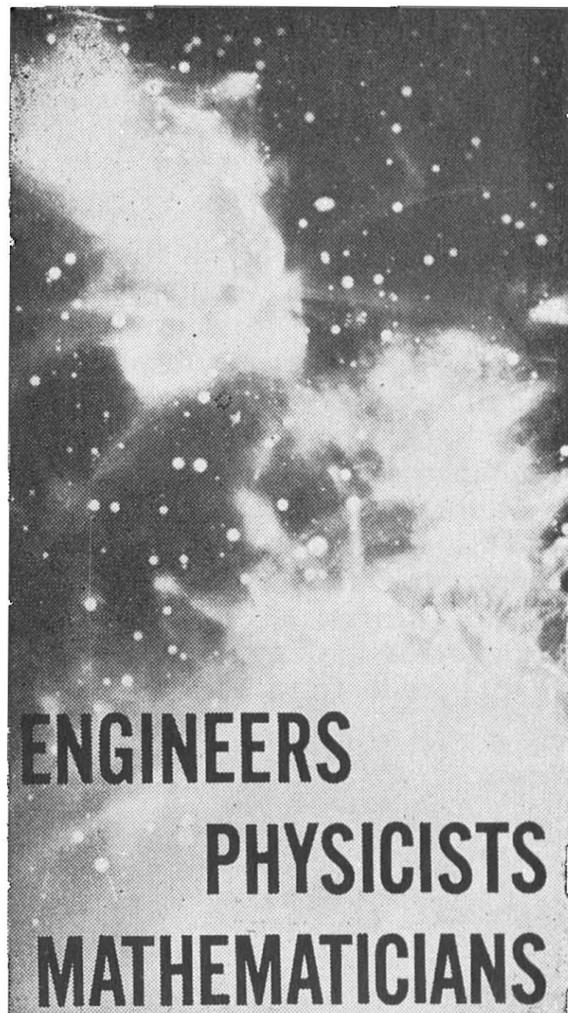
**Travis Rex Everett** received his Doctor of Philosophy from Iowa State College in May in the field of entomology. Dr. Everett received a BA in zoology at Tech.

**James R. Steele**, BS in civil engineering, is associated with Parkhill, Cooper and Smith and Associates in El Paso. At Tech he was a member of the Student Council, American Society of Civil Engineers and Tau Beta Pi. His wife, the former **Marilyn Dennis**, is a '51 grad in applied arts. She was a member of D. F. D. and is affiliated with Delta Delta Delta. They have four children, ages 8, 7, 5 and 2.

'51

**J. Wallace McKee**, BS in chemical engineering, has transferred to Charleston, West Va., as project engineer with Columbia Southern Chemical. His wife is the former **Betty Tubbs**, '50. They have two children ages 5 and 2.

Mr. and Mrs. **Dan M. Wells** live in El Paso where he is a partner in Wells and Campbell and Associates Engineers. He received a BS in civil engineering at Tech where he was a member of the American Society of Civil Engi-



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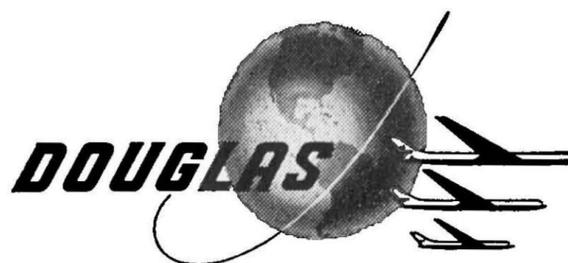
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M SECTION



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neers, Tau Beta Pi, Phi Eta Sigma and the Student Council. She is former **Reva Thomas**. They have two children, ages 5 and 3.

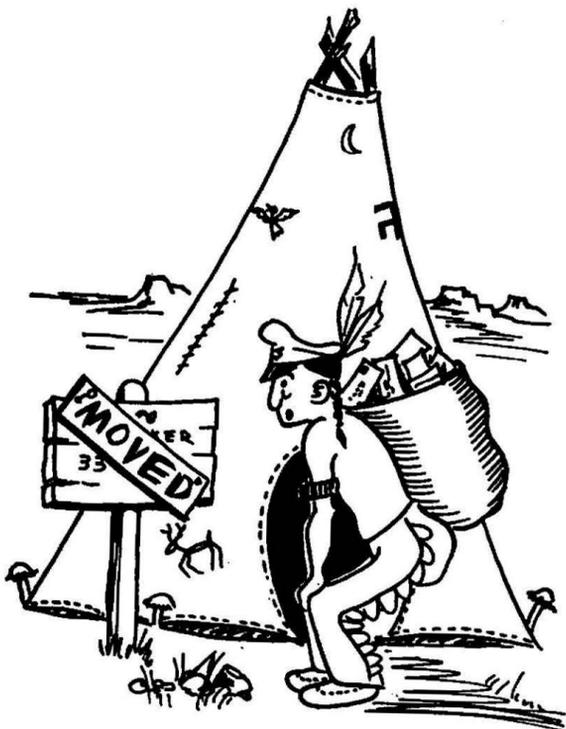
'52

**Bill Childers**, BS in secondary education, spent July in the House of Dior in Paris working in various departments to learn techniques of presentation, display and merchandising couturier fashion. His study was on the basis of an exchange student. He is employed by the Dunlap Company, Lubbock, and is in charge of all fashion shows and fashion coordinator.

Capt. **Harry R. Hamilton** was transferred in June to Goose AFB in Laborado from Biggs AFB, El



**Francis N. Harris '42**



### Planning to move?

Please send us your forwarding address so you won't miss a single issue of the **TEXAS TECHSAN**.

Paso. He will be in Laborado for the next two years. At Tech he was an agricultural education major. He has three girls and two boys.

Former **TOREADOR** editor, Capt. **John C. Norcross**, received a M.Ed. from Northeastern College, Natick, Mass. in June. He is a captain in the Army Signal Corps, an assistant professor of military tactics at Northeastern. Norcross received his BA in journalism at Tech where he was a member of the Tech Press Club, Sigma Delta Chi, Kappa Alpha Mu, Phi Eta Sigma, Saddle Tramps, and the French Club.

A new Bowling League has been organized called the Bell Helicopter Dallas League, and one of the teams is the **TECHSANS**. It is made up of eight Tech exes in the Dallas area. In May they won the league championship, had high individual team member (1015), second high individual game and won the American Bowling Congress League Achievement Award, (a gold buckle) for the most improved bowler.

All the members of the bowling team are engineers at Bell, and received a BS in mechanical engineering from Tech except Jack K. Noyes, '49 BBA in accounting. Members are Jimmie C. Hill, James Major, Castle H. Fagan, '50, William F. Wilson, Rodney W. Balke, Robert Lee Lambert and Bill McNeil, '51.

'53

Recently appointed Dean of Men at Midwestern University is **Alton C. Linne**. He will assume duties Sept. 1. He is a former dormitory supervisor of West and Sneed Halls at Tech, played football and was a member of the Double T Association. He is completing his second year as Civilian Counselor at Texas A&M. Linne received his BA in history and MA in education. His wife, the former **Anne Gray**, BS in secondary education, was president of Tau Beta Sigma. They have two sons.

**Eugene Matthews** recently became minister of education at St. Luke's Methodist Church, Lubbock. In addition to directing the educational program he will assist the minister. Matthews was graduated from Tech with a BA in history. He has three daughters. Matthews' father is director of the Wesley Foundation of Tech.

Dr. and Mrs. **Harold Brannan** have moved to 536 Byron Rd., Columbia, S. C. He is a MD doing



**Luther Wossum '43**

orthopedic surgery at the army hospital at Fort Jackson. Graduated with a BA in chemistry, he was student body president and a Kemas (Phi Gamma Delta) member. His wife, the former **Margaret Wood**, '54 BA in English, is a member of Pi Beta Phi. They have a son, Steve, two years old.

'54

**William F. Martin**, Lamesa, has been awarded a National Defense Graduate Fellowship at Tech. The fellowships are for three-years of study toward a doctorate degree. Martin, an English teacher, received a BA in English.

The first president of the Tech Union, **Jack Hon**, is discount manager with Southwestern Investment Co. in El Paso. At Tech, he was a member of Phi Delta Theta, Kappa Kappa Psi president, Alpha Pi Omega and Tech Band. Graduated with a BBA in marketing, he is a member of the El Paso Jaycees. His wife is the former Janet Johnson, '56 secretarial education major. She was a member of Delta Delta Delta and is in the Junior Women's Club. They have two children.

'55

**George Farrell** has been graduated from Baylor Dental School in Dallas. At Tech, he was a pre-dental student, member of Phi Delta Theta and Saddle Tramps. His wife is the former **Patsy Hunt**, a member of Pi Beta Phi. He will begin practice in Lubbock. They have three children, two boys and a girl.

Former **Toreador** editor, **David G. Clark**, Lincoln, Neb., has been appointed instructor in English and journalism and adviser to student publications at the University of Cincinnati. He has been

teaching journalism at the University of Nebraska. Clark received a BA in journalism from Tech. Also, Clark married Margaret Dvork in May. She was assistant to the managing editor of the Lincoln STAR.

**Gary Garner**, BS in education, former band director at Monterey High School, Lubbock, is now marching band director at the University of Southern California



**Evalene Holly '48**

in Los Angeles. He was a soloist and flutist with the Lubbock Symphony. His wife is the former **Mariellen Griffin**, graduated in '53 with a BM. They have two sons.

'56

**Eural Ramsey**, former Pampa backfield coach, has been named head football coach at Shamrock. At Tech he was a member of the Double T Assn. He was graduated with a BA in physical education and received his masters in '57.

**Robert McCarty** will be a senior at Baylor Medical School in Houston in September. He received his BA in chemistry at Tech. He is now a member of Phi Chi, medical fraternity.

'57

**Lawrence Cook** recently resigned as line coach at Post High School and has accepted the same position at Wilson High School. He attended Tech three years and was a member of Kappa Sigma.

**John Stillman Chapin** has received a master's degree from Kansas State College. He was graduated with a BS in agronomy from Tech. His thesis was "Seed Germination as Affected by Fertilizer Applications."

In New Zealand for a good-will trip in February and March was **Edward S. Wilson, Jr.** Under the

sponsorship of the Rotary clubs of the Northwest, he spoke before Rotary clubs in New Zealand and visited places of interest. Wilson is a district representative of the Boy Scouts of America in Spokane, Wash. He received a BA in personnel management at Tech.

**Leslie Jack Davis** has been appointed city manager at Gainesville. He left the same position in Denton. Davis received a BA in government. His wife, the former **Carolyn Jo Callaway**, received a BS in home economics in '55. She was a member of Pi Beta Phi, AWS, Book Reviewers and Home Economics Club.

**Derl Brooks** has been awarded a \$2,400 annual doctoral fellowship at Iowa State College at Ames. Brooks, Tech biology instructor from Littlefield, will work toward his Ph.D. degree in insect pathology. He earned a BS in botany and will complete his MS in zoology this month. His wife is the former **JaNa Sparks**, former Tech student.

**Marianna Wilson**, BS in education from Phoenix, Ariz., and **Pat Boles**, BA in advertising art and design from Midland, are in Europe this summer. They plan to remain there and work if they can find a job. **Libby Balzer**, '59 grad, is also going with them.

## What's Your Opinion - Tech Alumni?

### WILL IT HELP OR INJURE TECH?

- (1) For the City of Lubbock to build a sewerage treatment plant within a mile distance north of Tech's North Section?
- (2) To use the effluent water from this sewerage treatment plant to irrigate Tech's grounds — even though the plant and water from the plant doesn't stink part of the time?
- (3) In 20, 40, 50 years will the increase in enrollment be greater or smaller because of irrigating the grounds with this type of water?
- (4) Even though it might increase agricultural production and be cheaper in maintaining grounds — will these gains offset possible injuries to the beautiful buildings, the educational ratings, and the growth of Tech?

The City of Lubbock is attempting to buy right of way for sewer line now. **If you feel that Tech will be injured because of this sewerage treatment plant and irrigating Tech's grounds with this water, please write immediately to:**

**P. L. Payne, Jr.**  
**P. O. Box 1071**  
**Lubbock, Texas**

# If You Have:



New Address

New Job

New Wife

or Husband

New Baby

Your former classmates would like to know and we would like to have the information for "Bear Our Banners Far and Wide."

Why not write this information in the space below and send it to us—

THE EX-STUDENTS ASSOCIATION  
TECH STATION  
LUBBOCK, TEXAS

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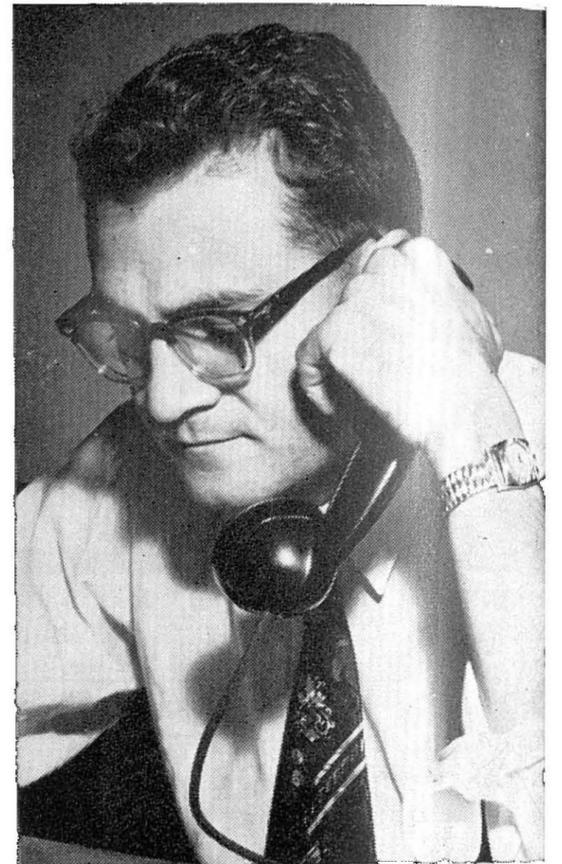


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'58

Gerald Dabbs has been awarded the Alumni Achievement Award by the University of Texas Southwestern Medical School's chapter of Phi Sigma Rho, national medical fraternity. This award is given to the fraternity's outstanding freshman student. Dabbs was a pre-medical student and a member of Delta Tau Delta at Tech.

Sales representative for Louthan-Dowell Motors in Lubbock is Bill Herchman, BS in education. He lettered in football and was a member of the Double T Assn. In the fall he plays guard and tackle for the San Francisco 49ers.



V. E. (Jack) Thompson '49

Janice Newsome will receive her master's degree in personnel management from Southern Methodist University in August. She was graduated with a BBA in business education at Tech. She will teach in a high school in Dallas this fall.

'59

Bobby R. Eddleman, BS in agricultural economics, has been named winner of the Wall Street Journal Student Achievement Award. He received a specially designed silver medal from the Journal. Eddleman, who also holds a \$1,800 research assistantship with the Texas Ag. Experiment Station, plans to write his master's thesis at Tech on the economics of water conservation. He is a member of Phi Kappa Phi, the Aggie and Agricultural Economics Clubs.

# Class of 1981

'39

Mr. and Mrs. **Malcolm J. Brenneman** are the parents of a daughter, Sandra Ann, born June 4. She weighed 8 lbs. Brenneman was graduated with a BS in geology. They have three other children, two girls, Brenda and Gloria, and one boy, Bruce. They live at 2601 Bedford Dr., Midland.

'45

Dr. and Mrs. **Robert Hayes** are the parents of a daughter, Heidi, born May 6. Hayes, a pre-dental student at Tech, is a dentist in El Paso. At Tech, he played football and was a member of the Double T Association.

'49

Mr. and Mrs. **Dorman Shockley** have a new son named Houston Doan. The Shockleys live at 3335 San Antonio St., Corpus Christi. He received a BS in geology at Tech.

A boy named Gary Lee was born to Mr. and Mrs. **R. O. "Bob" Cooper**, Sept. 14, 1958. Cooper, who was graduated with a BA in government, is a Methodist minister at College Station.

'50

Mr. and Mrs. **James A. Cunningham** are the parents of a son, Mark Thomas, born May 25. They have one other son, Allen, age 4. Cunningham graduated with a BS in agriculture; the mother is the former **Faye Neeley**, '51 graduate with a BS in home economics education. They live at Whiteface.

Lee Marshall Gettys was born to Mr. and Mrs. **H. Marshall Gettys**, May 13. He weighed 8 lbs. and 2 oz. Gettys, a former Red Raider football player graduated with a BS in electrical engineering is employed by Lynn Elliott Co. in Houston. The mother is the former **Nell Bailey**, BS in home economics. Their address is 1923 Sul Ross.

'53

Donna Marie is the name given to the daughter born to Mrs.

**Clemma Dell Woods Rand** and her husband. She was born March 9. Mrs. Rand, who majored in home economics at Tech, has three other children and lives in El Paso.

Gregory Edwards is the name of the son born to Mr. and Mrs. **Phil J. Records**. He was born March 18, and weighed 9 lbs. and 4 oz. The mother, the former **Patricia Edwards**, received her BA in journalism and speech. They live in Fort Worth and have another son, Christopher.

'54

Mr. and Mrs. **L. Warren** are the parents of a son, Mark Kellar, born April 6. He weighed 7 lbs. and 4 oz. Warren received his B of Architecture in '57. The mother graduated with a BBA in accounting and is the former **Jamie Lou Kellar**. She once worked for the Ex-Students Assn. They live in Garland.

Barrett Lane is the name given to the son of Mr. and Mrs. **Doyle G. Adair**. He was born June 22 and is the Adair's first child. Adair was graduated in '54 with a BBA in accounting. They live in Houston.

'57

Bobby Ray is the name of the son born to Mr. and Mrs. **Don Avery**, March 22. The father, BS in agricultural economics, is associated with Hawkeye Spraying Service in Littlefield.

'58

A daughter, Ramona Ann, was born to Mr. and Mrs. **Pat Ridge** Dec. 30, 1958. Ridge graduated with a BA in Spanish, and the mother is the former **Erma Folley**, '55 with a BBA in business education. They live in Lubbock.

Mr. and Mrs. **Danny L. Dearen** are the parents of a daughter, Lisa Lynn, born May 11. Dearen, BS in agriculture education, is teaching vocational agriculture in the Paonia and Hotchkiss, Colorado, High Schools.

## SUMMER...

Continued from page 7

teachers and supervisors who work with Spanish-speaking children.

The German course, now in session, gives third and fourth grade children practice in spoken German with German games, jingles, songs, pictures, and stories forming the basis of oral practice.

Thirteen secondary teachers and two elementary teachers attended the Spanish workshop. Emphasis was given to methods of presentation and specific techniques of teaching for eliminating pronunciation difficulties of Spanish-speaking children learning English. Teachers wrote scripts in Spanish and recorded them on electronic tapes which will be used in teaching Spanish in junior and senior high schools.

High school students and teachers will attend a High School Newspaper-Yearbook Workshop sponsored by the journalism department and the West Texas High School Press Association this month.

Specialists will aid students and teachers with the problems met on scholastic publications. Newspaper students will work on an experimental newspaper. Yearbook editors and business managers will be assisted in the actual planning of their books.

Methods of identifying and assisting gifted high school students were emphasized at a Counseling and Guidance Institute, one of 50 held throughout the nation, sponsored under a \$30,000 National Defense Education Grant. At this institute, 30 gifted children from 15 area schools were tested by the 30 institute participants.

Teen-age oboist and bassoonists learned to make their own intricate double reeds during the summer band school. Bands were taught to accommodate students at various levels of advancement.

Other schools conducted by the music department were orchestra and chorus. Instruction was given to string students at elementary, intermediate and advanced levels in the orchestra school. A program for high school students and church choir directors was conducted in the field of choral music.

Fourteen West Texas librarians attended the annual library workshop. Emphasis was on library management including library routines, public relations, Texas library laws, organization and duties of library boards.

# Chapter Chatter

## ARLINGTON

Arlington Texas Tech Ex-Student Assn. met for a luncheon meeting April 25, in the Rose Room of Arlington State College Cafeteria. A film featuring the most recent activities and campus highlights at Tech was shown and new officers were elected.

Officers are Harold Schrader, president, '52 in civil engineering, engineer at Chance Vought Aircraft; Mrs. Milton (Comora) Barrick, vice president, '42 major in education; Dick Springer, '42, BS and BA in chemistry, board of directors; W. M. (Bill) Kight, secretary, '45 major in engineering, partner in Home Insulating Co.; Mrs. Jack (Betty) Noyes, reporter, '47 commercial art student; Dr. Gene Nowlin, '48, BS in petroleum engineering, student representative.

## MIDLAND

Midland's chapter of the Ex-Students Assn. sponsored a two-performance amateur talent show May 30.

Five acts made up the program presented in the Midland High School Auditorium. They included a swing band from Odessa College, a piano-singing duo, a singing quartet of four junior high school girls and a male quartet. Proceeds from the show went to the scholarship fund of the Midland Chapter.

## HALE COUNTY

The Hale County Chapter of the Ex-Students Assn. had its annual banquet May 16, at McGrath's. About 40 members attended.

The program consisted of a film "A Letter from Tech," which showed the progress and development on campus during the last several years along with highlights of athletic and other student activities.

L. C. Walker, Executive Secretary of the Assn., gave a brief report on the progress of the college and a brief look at the future prospects for growth and expansion of the college facilities and activities.

New officers were elected. They are Manuel W. Ayers, president, '37 grad with a BS in agricultural education; Mary Ruth Stoneham, secretary, '52, BS in home economics; Patsy Spraggins, '50,

commercial art student; all of Plainview.

New directors elected are Jason Allen, '47, BBA in marketing and salesmanship; Cotton Center; Escar Parker, '37, BA in vocational agriculture, Hale Center; and Doris Elkins Dixon, '51, BS in home economics, Petersburg.

## TRANS-PECOS

Dean of Agriculture Gerald Thomas spoke at a dinner meeting of the Trans-Pecos Tech Exes

Assn. June 13, in the Community Center.

Irving Smith of Pecos, '57, BS in agronomy, was appointed vice president by the executive committee. Dr. C. C. Barrier, Alpine, '49, BA in chemistry, present vice president, is moving to Lubbock.

## PAMPA

The Top O' Texas Tech Ex-Students Assn. had their annual picnic at the Pampa City Park June 28.



**NEW OFFICERS** of the Arlington chapter are, back row, left to right, Harold Schrader, '52, president; Dr. Gene Nowlin, '48, student representative; Dick Springer, '42, board of directors. Front row, Bill Kight, '45, secretary-treasurer; Mrs. Milton Barrick, '42, vice president; and Mrs. Jack Noyes, '47, reporter.

## Ag Report . . .

**Agribusiness** — Understanding and training for positions as: Suppliers of machinery, fertilizers, and other production resources; Producers on farms and ranches; Processors and distributors of farm and ranch products.

**Agricultural Science** — More fundamental training in mathematics and the basic sciences, followed by well-planned courses in agriculture to properly prepare young people in:

Research; Teaching; Specialist positions in areas such as: plant and animal breeding and nutrition, meat processing and developing, insect and disease control, soil and crop science, horticulture and park management.

**Agricultural Technology**—With the demand for improved technology, both on and off the farm, more training is needed in specific fields such as: soils and fertilizers, crop and vegetable production, livestock and poultry production, farm machinery and irrigation.

### Importance of Research

An adequate program of higher education in agriculture cannot be obtained without a research environment. Research in agriculture should not be considered only as a service to the area or to certain commodity groups, but also as: **a means of improving the quality of undergraduate and graduate instruction; a necessary tool to obtain and hold highly trained and enthusiastic staff members.**

Graduate instruction is inseparably tied to research programs. As a part of the requirements for the Master of Science degree, a research problem must be outlined, pursued, and brought to fruition in the thesis.

During recent years the School of Agriculture has expanded its research program under a cooperative agreement with the Texas Agricultural Experiment Station and with the help of private industry. Currently research projects are underway in many problems confronting today's agricultural industry.

Research in agriculture provides an inspiration to many staff members, keeping them current in their instructional programs in today's fast moving agricultural industry and providing them with the enthusiasm and knowledge necessary to good teaching.

### ENROLLMENT

In general, agricultural enrollment at Texas Tech has increased

through the years. The leveling in the last four years may be partially due to the opening of several junior colleges (two within a 35-mile radius) which have reduced the freshman enrollment. Since this trend is not reflected in the upper classes, the indications are that Texas Tech is gaining stature as a senior institution in agriculture.

At the present time, Texas Tech ranks 15th among all schools of agriculture in the nation in numbers of undergraduate agricultural students and is significantly larger than most land-grant colleges in the South and Southwest.

Several departments in the School of Agriculture rank among the largest and best in the United States.

Although the School of Agriculture has placed primary emphasis on undergraduate programs, 19 Masters degrees were awarded in 1958.

### BASES FOR PLANNING THE FUTURE

As we look at modern agriculture and review the many changes that are taking place, we should plan our educational programs in agriculture with these basic assumptions:

**The population expansion will continue.** Our economists predict that by 1975 the population in Texas will reach 12.6 million — a 50 per cent increase in about 16 years.

This projected increase in population, plus some rise in per capita consumption of certain farm products and more effective distribution, will likely **increase total requirements for agricultural products by as much as 60% by 1975.**

We have the technical know-how to **partially meet these demands, but better education and more research is vital.** We cannot stand still but must constantly battle the inroads made by insects, diseases, and the other numerous problems continually facing the agricultural industry.

**The size and complexity of farms and ranches will continue to increase,** demanding a keen knowledge of business. We will need more "managers" rather than "operators."

Although fewer and fewer people will be engaged in the actual production aspects of agriculture, **the industry will become more important** as the population

pressure places greater demand for good food and fiber.

**More capital** will be used in agriculture, with a greater degree of **mechanization** and **higher investments** per worker.

Educational institutions will be called upon to furnish more **technology and management information** and better **agricultural scientists and teachers.**

**The biological, mechanical, and chemical revolution** that has taken place in American agriculture — a revolution that has stemmed from education and research — **has benefited consumers and the nation** as much, or more, than the farmers themselves. It has been estimated that if farmers were using the same practices now they were using as late as 1940, food and clothing today would cost the average consumer about \$300-400 more per year, or the nation nearly \$13 billion annually.

**Texas Technological College is well-suited to accept certain educational and research responsibilities in agriculture.** The location of the college in the center of the world's largest inland cotton market, the leading area in the United States in the production of grain sorghums, and one of the largest underground irrigation water areas in the nation provides both an obligation and an advantage to Texas Tech in its service to agriculture. This advantage is further emphasized by the fact that a very extensive ranching industry surrounds the highly productive farming center on the Southern Plains, with livestock the second most valuable agricultural product in the State.

**The one dominant feature of the agricultural outlook is change,** which makes planning both interesting and difficult.

**To meet the future challenge** and make the most of our opportunities, the School of Agriculture is planning:

1. A constant improvement in faculty and staff
2. A balanced program of education and research
3. Improved facilities: a new Plant Science Building to adequately house expanded departments; the moving and modernizing of farm and livestock facilities in line with future needs.

We have just scratched the surface of agricultural progress. **Our accomplishments in the future will be limited only by the minds, energy, and imagination of men.**

This way to fall

choice  
selections

fashion  
first

fine  
labels

Hemphill-Wells

fashion salon

Our buyers have returned from New York bringing with them the finest fall fashions...select your autumn wardrobe now while the choice is wide... the colors are luscious and the styles ultra feminine. Don't miss the excitement of being among the first in your fall selections.