# Texas Tech-Magazine

Volume V

February, 1942

Number 6

ENGINEERS BANQUET

ENGINEERS SHOW



- \* ENGINEERING PROGRESS
- \* ENGINEERING DIRECTORY

ENGINEERING EDITION



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#### THE TEXAS TECH MAGAZINE

Vol. 5, No. 2 October, 1941

L. E. Settle ..... Managing Editor

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This issue of Tech Magazine was edited by Miss Dorothy Rylander, secretary to the Engineering Alumni.

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### Engr. Society Welcomes Alumni



Dear Engineering Alumni:

On behalf of the Engineering Society I wish to extend to each of you a cordial invitation to attend the 16th annual Engineer's Banquet which is to be held on Saturday night, March 7th at the new Women's Dormitory. If it is not possible for you to attend the banquet here in Lubbock, try to attend the one which is being held nearest to you. If you can't do that, organize one for the engineers in your own vicinity. The speaker for the banquet will be Mr. Chas. A. Miller, Manager of the Southern Division of the Personnel Department and In Charge of Safety, of the Texas Company from Houston, Texas. The price of the plate will be 90c.

As yet the class speakers have not been selected but we assure you of an interesting program. As has been our custom in the past, we will read the telegrams from other groups holding banquets in various parts of the country—a custom which is looked forward to with a great deal of interest by the students, faculty members and exes.

Banquets are being planned at each of the following places under the direction of the person indicated. If you have recently moved into one of these areas, may I suggest that you contact the proper person and make plans to celebrate with us on the night of March 7th.

- California—Floyd L. Williams, 616
   1-2 N. Berendo St., Hollywood, Calif.
- Seattle, Washington—Wm. Noel Bryant, 2417 S. 118th St., Seattle, Washington.
- Chicago, Illinois—Wm. T. Savage, Jr., 3254 S. Michigan, Chicago, Ill. (Ph.—Victory 8902)
- Atlanta, Georgia—J. W. McCarty, Georgia School of Technology, Atlanta, Georgia.

\* Atlantic Coast Area—

Washington, D. C.—S. H. J. Womack, 6900 Bradley Blvd, Bethesda, Maryland. Philadelphia—J. B. Calvert, 20 Ridley Ave., Norwood, Pa. New York City—Ben V. Thompson, 179 Walnut St., Montclair, New Jersey.

6. New Orleans, Louisiana—J. Oran Sanders, Box 71, Gretna, La.

 Dallas-Ft. Worth area—A. C. Stults, Thos. Y. Pickett & Co., Kirby Bldg., Dallas, Texas.

8. Houston, Texas area—Ross Watson, Reed Roller Bit Co., Houston, Texas & A. W. Crawford, Reed Reed Roller Bit Co., Houston.

 Austin, Texas area—King I. Glass, care of Bureau of Industrial Chemistry, University of Texas, Austin, Texas.

 Corpus Christi, Texas area—Duane Orr, 317 Texas Street, Corpus Christi, Texas.

At this same time may I say that alumni are welcomed to attend our regular Society meetings. At the first meeting this year we were gratified to have over 400 present. The Engineers' Ball was held at the Hotel Lubbock on November 1st with usual success. In January we were privileged to have as a guest speaker Mr. M. M. Boring, Personnel Director of the General Electric Company, Schenectady, New York. A contest is being sponsored by the Board of Directors of the Society among the various departmental societies of the Division for the one putting on the best program at the meetings; the prize to be determined at the end of the year.

Hoping that each of you will be able to celebrate with us on March 7th—if not in person, at least in spirit.

> Sincerely, Mack Atcheson, President.

### Dean Reports On Progress

#### To The Engineering Alumni

We have this year made arrangements enabling us to secure the February issue of, the Tech magazine as the "Engineers' Edition". We thought it would be most helpful to designate the number immediately preceding the Banquet as the "Engineers' Edition". We take this means of extending our most cordial invitation to each of you to attend the Engineers' Banguet which will be held on the evening of March 7 in the new Women's Dormitory. If distance prevents your attendance here, we hope that it will be possible for you to attend on the branch banquets held elsewhere.

The year just past has been one full of change for all of us. We have cooperated in the emergency in every way possible-largely through offering of defense courses in West Texas wherever the demand for such work has been sufficient to justify it. We have never known a time when engineers were in as great demand as at present. At frequent intervals we have received calls for engineers from the Civil Service, the War United States Maritime Commission, defense industries of all kinds as well as from private industry. Due to the shortage of engineers, we have encouraged all students to remain in school until graduation. In order that the shortage may not become more acute, it is suggested that any of you who may contemplate entering a branch of the armed services of the country do so in a capacity where your engineering training may be used to advantage.

Our enrollment for the fall semester for the College as a whole dropped about 6.3% which netted us a total enrollment of 3,554. Our enrollment in the Engineering Division for the fall semester was 763, also a slight drop from last fall. We expect to have a proportionate decrease in our spring semester enrollment. We did, however, have an increase of 19% in our freshman enrollment which we feel is encouraging under the circumstances.

There have been a number of changes in our staff during the past few months. In the Civil Engineering Department, Professor E. V. Middleton returned from a years leave of absence. During the 1940-41 he took graduate work at the University of Michigan, and received the degree M. S. in Civil Engineering. Mr. Leo V. Nothstine, who came here on a temporary appointment to take Professor Middleton's place while he was onleave, has this year received a permanent



Dean O. V. Adams

\* \* \* \*

appointment on the Civil Engineering staff.

In the Department of Industrial Engineering and Engineering Drawing Professor W. E. Street left us during the summer of 1941 to go to Texas A. and M. as Head of the Department of Engineering Drawing. Professor R. S. Stainton B. S. in M. E., Cornell and M. S., University of Illinois, was brought here as Assistant Professor to replace Professor Street.

Mr. A. W. Reger, Instructor in Mechanical Engineering during 1940-41 left us to take an appointment in another engineering college. His services were replaced by those of Mr. Robert Newell, B. S. in M. E., Tech '40. An additional instructor, Mr. F. J. Matush, B. S. in M. E., Texas A. and M., was secured for this Department for the current year.

Professor R. L. Lee, Jr., Head of our Textile Engineering Department in 1940-41, resigned in June to accept a Civil Service appointment. Professor C. M. Stanley, Jr., was appointed as Head of Department, and Mr. Worth Gamel, U. S. Rubber Co. and graduate of this institution in Textile Engineering was appointed to the second place in the Department. Mr. Lloyd Jackson, a Tech graduate in Textile Engineering, was also employed as Instructor and Mechanician in the Department to take the place of Mr. Lewis B. Thomas, resigned.

We are happy to announce that at its meeting last fall the Engineers' Council for Professional Development unconditionally accredited out curricula in Ci-

vil Engineering, Electrical Engineering and Mechanical Engineering, Improved financial support by the college administration and donations of money and equipment by engineering alumni and others contributed largely to this result.

An appropriation to Texas Tech for research was made by the last legislature. Faculty members in the departments of Architecture and Allied Arts, Chemical Engineering, Electrical Engineering and Textile Engineering are cooperating with other college departments in approved projects.

The last legislature also appropriated \$250,000 for cotton research. A committee composed of Presidents Clifford B. Jones, Homer P. Rainey, and T. O. Walton of Tech, the University and A. & M. respectively, are in charge of the administration of this fund. Our Department of Textile Engineering has been awarded a major project which will be directed by C. M. Stanley, Jr., Head of the Department.

We extend our greetings and best wishes to all of you. We have not seen or heard from a number of you in a long time. We hope that you will make it a point either to drop by to see us if you plan to be in Lubbock at some future date or at least write us a letter some time during 1942. Hoping to see you at the Banquet, I am Sincerely yours,

O. V. Adams, Dean of Engineering



#### Division Offers E S M D T P'rogram

The Division of Engineering of Texas Tech is cooperating with the Federal Government in its National Defense Program in every way possible. The U. S. Office of Education, through its Engineering, Science, and Management Defense Training (ESMDT) program, has asked all four-year degree-granting engineering colleges to aid in short intensive training of men for specialized engineering work to partially compensate for the great lack of trained men for engineering positions.

The committee for Ft. Worth area, with Dean O. V. Adams as Chairman, has allotted courses to be taught in Ft. Worth among the various Engineering schools of Texas. Colleges cooperating in this work are Southern Methodist University, The University of Texas, A. & M. College of Texas, Texas Christian University (in non-engineering work), and Texas Technological College.

Texas Tech is now offering, or has offered, courses in Industrial Safety Engineering, both Advanced and Primary, Engineering Mechanics, to be followed by Strength of Materials, and Production Engineering, all in Fort Worth. A course in Production Management is expected to start there soon. Classes in Industrial Safety Engineering are being started in Amarillo and Abilene, and are contemplated for Lubbock, San Angelo, Sweetwater, Midland, and Odessa. A course in Community and Camp Sanitation will be given here at Tech during the first eleven weeks of summer school, and a course in Public Health and Hygiene is being considered for Abilene.

Recently the Government has issued a call for about 130,000 men trained at all levels in Radio Engineering, and Tech is making plans as rapidly as possible to sponsor ESMDT courses in Radio Engineering in Lubbock, Amarillo, Abilene, San Angelo, and Brownwood. These courses are planned to qualify persons completing them to pass the examination for Radio Phone Operators License, First Class.

Besides the work done in cooperation with the U. S. Office of Education under the ESMDT program, Tech has just completed a National Defense course in Oxy-Acetylene and Electric Welding, which was offered in cooperation with the State Department of Vocational Education. A course in Machine Tool Operation is scheduled to start in February. Both of these courses are offered in Lubbock.

National Defense Training Courses do not carry college credit. It is the plan of the Division of Engineering to

#### Engineering Graduate Employment

As the national emergency has developed within the past year, the demand for engineering garduates has mounted steadily. Almost daily the Dean and the heads of the various departments in the Division of Engineering are receiving calls for available men from all branches of the government, from oil companies, the airplane factories, and the manufacturers of essential war-time products.

During the past spring approximately 20 representatives of industrial and commercial concerns came to the campus to interview the senior engineers for prospective employment. Of the 86 students who received degrees in the spring or summer of 1941, 15 are now employed by oil companies, 18 by national or state governmental agencies, 4 are doing graduate work, 18 are in the army or air corps, 24 are working for industrial or commercial concerns such as the General Electric Company, Westinghouse Electric and Manufacturing Company, Freeport Sulphur Company, Carrier Corporation, and the major aircraft manufacturers, and 7 are employed in miscellaneous jobs such as teaching, architectural work, etc.

Already this year the Office of the Secretary of Engineering Placement has received numerous requests for the names of our graduates, both of this year's class and of alumni who might be interested in jobs. This office has also, to date, arranged personal interviews between our seniors and the representatives of some twelve companies who have come to our campus seeking prospective employees. Among these representatives we were privileged to have M. M. M. Boring, Personnel Director of the General Electric Company of Schenectady, N. Y., as well as personnel men from the Linde Air Products, the Magnolia Petroleum, Stanolind Oil & Gas Corporation, The Texas Company, the Magnolia Petroleum Company, and the Mission Manufacturing Company.

Not only is our Placement Service available to the prospective graduate but also to any alumnus. The Secretary of Placement, the office of the Dean of Engineering, and the department heads and other faculty members have all cooperated in aiding numbers of our alumni with their placement problems in the last few years.

The cooperation of every engineering graduate is earnestly solicited in keeping us informed as to their location and insofar as possible their employment status.

continue to do its part in the training of men for fields in which shortages of engineers exist, due to the war..

### The Fourteenth Annual Engineers Show

Plans for the 1942 Engineer's Show which will be held April 17 and 18, are rapidly taking shape, according to Watson Carlock, Manager.

The following departmental managers have been elected:

Architectural—Bob Perryman, Denison; Chemical—Walter Studhalter, Lubbock; Civil—L. G. Harris, Hereford; Electrical—Ralph Johnson, Haskell; Industrial — Kendrick Wright, Vernon; Mechanical (Lab)—Wesley Powell, Clarendon; (Shop)—Albert Woodward, Borger; Military—Ted Serrurier, Ft. Worth; Petroleum—Phillip Johnson, Lubbock; Textile—Theron Lehr.

Every department of the Engineering Division will be open for inspection with exhibits arranged to give the visitors an opportunity to see at one time the work done by the students in engineering at Texas Tech. As in the past the show will be put on by the senior students with the cooperation of all other students and the faculty members.

The buildings will be open on both days from 1 o'clock to 10:30 and there is no charge whatsoever. Attendance from out-of-town visitors may be cut down somewhat this year due to the national tire emergency but it is our hope that many of the newcomers to Lubbock will take advantage of this "open house" to see how Tech strives to prepare its engineering graduates to be useful workers and citizens after their graduation.

All exhibits are set up in such a manner that they will offer to the observer with the greatest ease possible, the fundamental elements under consideration. For this reason old and young alike may derive great profit from the Show as well as entertainment. In order that the Show may be seen in its entirety, it is suggested that a person start at the beginning and go through the Show in the order designated by the Program. Guides will be furnished to any interested group request. It is hoped that many groups of high school students from surrounding towns will again visit the Show as the demonstrations and exhibits are set up to help serve as guides in the possible choice of a profession by a fuller understanding of certain aspects of the engineering profession.

Other managers for the Show include: Albert Bartell of Dallas—Publicity and C. J. Griggs of Lubbock—Traffic.

It is only with the fullest support of ALL of our graduates that we can give maximum benefit from our Placement Service.

Dorothy Rylander, Secretary of Engineering Placement



#### CAA Training Offered at Tech

The Civilian Pilot Training Program was inaugarated at Texas Technological College in September, 1939, when this program was first started in the United States.

This Program is given under the aussistation which approves the College to act as sponsor of the Program. After being approved as the sponsoring institution, the College must provide for the ground school instruction, designate flight operators to give the flight instruction and appoint a faculty member (subject to government approval) cat as Coordinator of the Program.

At the present time, four Courses, Elementary, Secondary, Cross-Country, and Instructor, are being given at Tech. The completion of all of these courses satisfactorily entitles the student to an instructor's rating. This instructor's rating enables the student to act as flight instructor for Army Contract Schools, giving training to Army Flying Cadets, or to act as instructor for any other institution or individual.

If a student does not complete all of the courses offered he can still benefit a great deal, since the courses give him invaluable training if they plan to enter either the Army or Navy Air Corps. At the present time there has not been any student from Tech who has taken any of the CPT courses here and then gone to the Air Corps and "washed out." Ordinarily only 56% of the students who have not had C. P. T. entering the Army Air Corps have successfully completed the course. A study made by the government of a group of 65 CPT students going to the Army Air Corps was made, and it was found that 95% of these successfully completed the course.

When the program was first started,

Prof. Robert P. Vail of the Mechanical Engineering Department was appointed as coordinator of the program, and is still acting in this capacity. For the ground school training at the present time Professors W. F. Gray, H. L. Kipp, C. C. Schmidt, C. G. Decker and J. F. Harding are acting as instructors. Up to the present time, Tech has had one of the best records in the entire region.

The flight instruction has been given by two flight operators: Wm. C. Breedlove and M. F. Dagley. Both flight operators use the Lubbock Municipal Airport as their operating base.

By the end of the current semester, over 400 students will have taken part in the program in the Elementary or Secondary Courses alone. Those students finishing one or more course have gone into practically every phase of aviation. A large percentage have gone to either the Army or Navy Air Corps, a number of them are acting as instructors both in the Army and in civilian schools, some have gone to the Marines, some to the RAF and some to the aviation industry. Word is received almost daily of some of these CPT students from Tech—from all over the United States and from foreign countries.

Chlo Darden of Spur is teaching in in the grades at O'Brien. She is a 1940 graduate of Tech.

Louise Dempster of Hamilton and a 1941 graduate is teaching in the Primary department of the Barstow schools.

Mrs. Opal Gill Coy of Eagle Nest, New Mexico, is directing music in the schools of Taos, New Mexico. She received her Master's Degree in June 1929.

Ema C. Hill is teaching the second grade at Lamesa.

### New Dye Room For T. E. Department

A streamlined drug and dye room is being fitted up in the textile engineering department by means of uniform bottles and specially designed labels. Eleven types of dye, most of them donated by dyestuff manufacturers, with 50 to 100 colors within each, have been collected by the department during its 15 years' existance. The dyes and chemicals are used first in the laboratory test tube and beakers by textile students, then on a larger scale in dying yarns and cloth.

The Tech label used on the new 8ounce bottles was designed by students in architecture and allied arts as a class

project.

Synthetic dyestuffs in the collection include direct dyes for rayon and cotton; celanese colors for cellulose acetate rayons; basic dyes for brilliant shades in wool and silk; vat dyes for fast color in cotton; naphthois, noted for their reds and their fastness on cotton cloth; developed colors which are faster than direct colors because of after-treatment with sodium nitrate and sulphuric acid; chrome colors for use on animal fibers; neolan dyes, a special class for woolen materials, such as bathing suits, requiring extra fastness; and stains or fugitive colors used for making yarns. Several natural colors, prepared from vegetables and plants, are also being selected and arranged.

"With mills of the country averaging 100 hours per week and many 168 hours, the shortage of manpower has become more acute," says Prof C. M. Stanley, head of the department. "The training of new labor to carry on extra operations has placed the greatest demand in history on the textile engineering schools. Even last spring the calls for Tech graduates were in excess of the supply and now the situation is more alarming."

Complete cotton processing training is offered here with several machines for each process. The woolen system makes possible instruction in all phases of woolen yarn and fabric processing and enable teachings of principles of these manufacturers.

Ruth Griffis of Lubbock and a 1941 graduate is teaching in the grades at Kirkland.

### MARIHELEN'S BEAUTY SALON

1207 College











"You look broken up. What's the matter?"

"I wrote home for money for a study lamp."

"So what!"

"They sent me a lamp."

"My career is promising."
"Really? What do you do?"
"I write political speeches.'

"I suppose a man like you expects to be independent when he's sixtyfive?"

"Huh! How do I know how long my wife'll live?"

You can bet your life, that one thing a night owl knows a lot about is bats.

SEEING'S BELIEVING
"I saw Janice yesterday, and she

certainly doesn't show her age."
"You're crazy. Where were your eyes?"

"On her birthday cake."

"You walk as if you own the street."

"You drive as if you own the car."

Soph: Man is wonderful. He has learned to fly like a bird.

Frosh: Yes, but he hasn't learned to sit on a barbed-wire fence.

The inn looked cold and mysterious, and the traveler was not too anxious to spend the night there. A sinister-looking fellow showed him his room, and that looked haunted. The traveler turned to the man and said, "By the way, nothing strange has ever happened here, has it?"

"Not in fifty years," was the reply.

"That's good. What happened then?"

"A gentleman who spent the night here appeared for breakfast the next morning."



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College Girls! Win Tuition or Cash Awards in

Flexees

100 WORD CONTEST

"Why a Young Figure needs a Foundation Garment"

Come on, you English majors, and other students who love words, their skillful selection and subtle combinations!

This contest is open to women students (freshmen to seniors inclusive) in any established co-educational or woman's College which grants a recognized B.A. or B.S. in the United States.

It is also open to high school girls of junior and senior grades, taking the Academic Course.

#### These are the AWARDS OFFERED:

The official entry blank—on which the essays must be submitted—gives all the conditions governing this contest. For this entry blank and for an inspiring glimpse at the new Flexes—visit your favorite correct department as soon as possible. You are not required to buy anything.



FLEXEES . 417 FIFTH AVENUE . NEW YORK

The manufacturers are complaining that these days you can get everything on the radio except the last three payments.

Every time someone explains a surrealistic picture to us, we realize that things can't be as bad as they are painted.

"I'm giving her a corsage!"
"You must know her intimately.
I'm just giving her flowers."

You can't sell dresses in the summer—it's the slack season.

Alumnus: How about the team? Are they good losers?

Coach: Good! They're perfect.

Sign in a restaurant: Sally Rand-Sandwich — Chicken with very little dressing.

She: Since I started to cook, my husband doesn't turn up for supper. Friend: He'll turn up—in the toes.

The car was so old, they had to get it both upper and lower plates.

He: Hello, Buck. She: I'm not Buck. He: No, but your teeth are.

The play ran one week-the author,

"Jack's got a lot of culture, hasn't

"Yes, he has, but it's all physical."

### Secretary's Notebook

#### Dallas Chapter Reports

Miss Lois McAnally, Dallas Chapter Secretary of the Texas Tech Alumni and Ex-Students Assn., reports that several officers of the Dallas chapter met at her home January 15 and completed plans for the February meeting which will be held in the form of a dinner dance in the Sunroom of the Stoneleigh Hotel, February 27 at 7:30 p. m.

Wayne Sellers, president, appointed attendance and membership committees. The attendance committee members are Alva McWhorter, class '41; Nina Tynes, class '41; Ann Hammons, B. A. '29 and M. A. '33; James Snyder, class '41; The entertainment committee consists of Orene McClelland, class '31; Emily SoRelle, class '40; and Claude Francis, class '40.

Manuel De Buske, class '33, was appointed on the Board of Advisors to take the place formerly held by O. R. "Chick" McElya, class '34, who had plans to be out of the city a large part of the time.

Johnny Glingingsmith, class '30, was appointed to fill the unexpired term of Rollin T. Herald as Second Vice-President.

The Chapter invited all Ex-Techsans or other persons interested in Texas Technological College in and around Dallas on February 27 to attend the meeting. Special invitations were extended the Chapters at Ft. Worth, and Ex-Techsans in the Waxahachie and Cleburne area. The Alumni and Ex-Students Association office at Texas Technological College was requested to assist in informing all the Ex-Techsans in these areas of the meeting.

The Dallas Chapter membership roll was revised and brought up the date. It was found that several members were now in the army and several more would be going into service within a short time.

Charles Cosgrove, class '37, is with the Air Corps, stationed somewhere in California.

Charles Carmack, class '36, is interned at Santa Fe Cost Line Hospital, Los Angeles.

M. H. Wyatt, who attended Tech from 34-35 is at Fort Sam Houston Hospital.

Ralph Snyder, class '38, is in the army but address is unknown.

Leon O. Sparks, class '34, and Gordon Suits, class '38 were to leave for camp within a few days.

#### Wilson Is at Kelly Field

Enclosed find \$2.00 for which enroll me as a member of the Alumni and Ex-Students Association. I have been hesitant in paying my dues and therefore have suffered the consequences.

I graduated in February 1941 with a degree in Dairy Manufacturing and from February until December 15 I was plant superintendent of the Borden Co. in Lubbock. At present I am waiting till the 18th of this month to report to the Army Air Corp at Kelly Field.

Knowing the Tech Magazine would bring me news of many of my classmates and their whereabouts and that I am able to support the greatest Alumni and Ex-Students Association—Texas Tech.

I will inform you of any change in my address.

Sincerely yours, George C. Wilson

Dean Margaret W. Weeks and Miss Mabel D. Erwin, head of clothing and textile department, entertained 30 Home Economics Alumni girls in their home, Saturday night, January 31.

The alumni chapter meets four times a year. The group will be entertained by Mrs. Goober Keyes, March 28.

You will find enclosed a check for my membership dues. The association seems to be rendering a fine service, so add my name to the list.

Clayton H. Clark, Class '40. Briscoe, Texas

Lieutenant Gordon E. Shackelford, 1941 graduate, who received his commission from the Tech ROTC unit was one of the officers with the 120th engineers of Camp Berkeley to visit Tech the last week in January.

The visiting platoon staged demonstrations before the Tech senior engineering unit of the ROTC and set up a model camp on the campus which was opened for visitors.

Several other changes were noted in the roll. M. M. Burkett was with the State Highway Department in Fort Worth. Kenneth Clinton, class '38, has been transferred by Proctor and Gamble to Cincinnati, Ohio.

Miss Lois McAnally reported that she no longer worked for The Stoneleigh Hotel but was now employed by John Deere Plow Company.

#### Lubbock Chapter Meets

The Lubbock chapter of the Texas Technological College Alumni and Extudents Association held its regular meeting at the Lubbock Hotel on the third Wednesday night in January. Dean James G. Allen gave a very interesting book review.

The chapter will meet on the third Wednesday night in February. All Alumni and Ex-Students in Lubbock County are urged to attend.

Rupert Triplitt is stationed on the U. S. S. Prairie State at New York City during his naval training.

Millard A. Gillham of Hugh Springs and a fourth year agricultural student has begun his training as a naval aviation cadet at Grand Prairie.

Wilburne Ennis Piercy and Milton David Hill are stationed at the USNR, one of the Navy's big air cadet training stations.

Joseph Sterling Lynch, a senior Arts and Science student and an amateur radioman has entered the navy as radioman, second class and is stationed in the Navy school at San Francisco.

Morgan T. Jones, Jr., class '38, is in active service in the Phillipines.

R. J. Coffey, Tech senior, entered training at Camp Wolters last week.

Lieutenant Donald Miller of Greenville, former journalism student at Tech is stationed with a bombardier squadron somewhere in the Philippines.

Lieutenant Bill Bayless of Mather field at Sacramento, Cal., has been appointed instructor.

Lieutenant Campbell Elkins has been transferred to the Air Base west of Lubbock.

George M. Boswell, Jr., of Coahoma and 1940 graduate of Tech is receiving a four months training course at Northwestern university for a commission as ensign in the U. S. Naval Reserve.

William Street, Tech graduate and clerk in the Littlefield postoffice, has been called into active duty.

### Tech Establishes War-Time Program

#### Army Institute

Texas Technological College has speeded up the college program and is cooperating in every way to aid the nation in the present great world struggle.

An Army Institute has been established on the campus by the War Department to offer credit correspondence courses for military personnel. The college, as a member of the National University Extension Association, has agreed to cooperate fully with all available facilities in the program, plan and procedure of the courses and will be listed among the cooperating colleges on the Army list.

The establishment of this Institute is to provide an opportunity for military personnel to study by correspondence courses that they lack in order to qualify for better positions and rank in any of the military branches of service. Enlisted men and those that plan to enlist soon will profit by these courses in that they will have the opportunity to advance their rank, spend their surplus time to a greater advantage, and at the same time improve their education.

The government has considered these courses so valuable and advantageous to young men, that it is encouraging them to enroll by paying one half of the total cost of tuition fees and text-books. The college has agreed to make special concessions on tuition, by making a reduction of 1-3 of the regular fee. Thus a fee of \$10 instead of \$15 will be charged for a three-semester hour course. The government then pays one half, and the student will have to pay \$5 and one half the cost of his books.

#### College Credit

The Administrative Council has announced that students who have attended approximately five-sixths of a semester shall be allowed full credit for courses in which they are doing satisfactory work if called into armed service, or if they volunteer just before being called in order to select the branch of service for which they are best prepared.

Students registering for the spring se-

#### Defense Activities

mester were given an opportunity to sign up as volunteers in the campus defense program. Men registered for motor transportation, communication, emergency service, fire defense, air raid wardens, fire watchers, rescue squads, first aid, and office work. Women registered for auxiliary nursing, office work, nutrition and canteen, social activities,

first aid, knitting and various other Red Cross activities.

Registrants were classified and will be assigned to duty to the extent found possible and practicable. They will help in policing the campus in case of emergency and will carry out special measures for fire protection of power facilities from sabotage and air raids. They will aid with the communication and distribution of instructions for conduct during raids and blackouts, and will assist in entertainment of trainees at the new air field near Lubbock.

Student defense activities are being coordinated with Civilian Defense activities of the Lubbock area by a 12-person student-faculty defense committee appointed by President Clifford B. Jones. R. O. T. C. Unit

An additional R. O. T. C. unit providing for basic infantry training for Tech students has been secured by special arrangements with the War Department. The new unit was opened to any physically qualified student and was limited to 150. The 350-man unit which has been in operation for several years is restricted to engineering students.

It is hoped that the new unit will be expanded to regimental size, providing training for from 300 to 500 members when it is formally approved by the War department. Present plans contemplate offering all R. O. T. C. work during the summer school session in addition to the regular long-term.

#### Summer School Program

A new summer school program has been designed to help the high school graduate complete his college degree work before being called into military service.

The program embodies two series of terms. The first series will open June 3 and end July 11 followed by a six weeks term starting July 14 and ending August 20. The second series will start a six weeks term identical with the first program and will be followed by a nine weeks term starting July 14 and ending September 10.

The first plan is set up to accommodate juniors, seniors, and graduates. The second plan is to accommodate particularly incoming freshmen by offering a fuller summer program.

#### Sports Program

The new plan will make possible for 1942 high school graduates to enter Tech at the beginning of the summer school and receive a degree within three years.

Athletic Director Morley Jennings has

announced a plan approved by the deans of the arts and sciences, agricultural and engineering divisions for the most gigantic sports program ever attempted at Tech. The plan provides for competition in cross country races, track, basketball, volley ball, regular baseball, playground ball and tennis.

Major competition will be between discissions with minor competition between departments in most of the sports. A system of point rating will be used to determine the winning division of the whole program. A cup will be awarded the winning division at the end of the intramural season. The cup may be kept one year, and may be retained by the division after it has been won three years in succession.

The purpose of this program is to develop the physical fitness and conditioning among the men students.

#### Personals

Five more Ex-Techsans have brought prestige to their college and recognition to themselves through their work in the service.

One hundred men were chosen from large troops of selectees and guardsmen after very rigid tests to enter Officers' Candidate School at Ft. Riley, Kansas in September. Ninety-seven of those chosen to become army leaders completed the course December 23 and were assignd as commissioned lieutenants to various Cavalary posts in the United States.

These men came from all sections of the states and represented many colleges and universities but Tech had more exstudents than any other school. Those from Tech were James H. Lee; J. E. Neeley, Jr., Lamesa; Jack Howell, Paducah; Billy M. Waddle, Greenville; and J. W. Smith, Slaton.

Bill McDonald, class '41, in a letter to Clifford B. Jones gave the information that he began his duties as flight instructor at the Corsicana army school in January.

McDonald writes that he is very much pleased with this work in attempting to teach the cadets of the school who hale from four states of the union; namely Texas, Minnesota, Arizona, and Kansas. They use Fairchild low-wing trainers.

He began his flight training in 1939 while a student, and after graduation continued the study in an army training center.



L. E. Settle

L. E. Settle, Administrative Secretary of the Alumni and Ex-Students Association of Texas Technological College, will give a talk and take part in a panel discussion on "The Value of a Functioning Alumni Organization to the State Supported Institution" at the Bi-District Conference of Alumni Workers to be held on the T. S. C. W. campus in Denton, February 16 and 17.

The conference is sponsored by the American Alumni Council and will be attended by Alumni Workers from about 100 colleges and universities of the three states, Arkansas, Louisiana and Texas, which compose Districts four and ten of The American Alumni Council.

One of the highlights of the two-day program will be an address by George F. Heighway, Indiana University, President of the American Alumni Council. Other persons to appear on the program will be representatives from Mary Hardin-Baylor, Centenary, University of Texas, A. & M., Hendrix, and L. S. U.

Richard J. Cook who was advertising solicitor for the Avalanche-Journal publications for five years after leaving Tech was inducted in the army at Fort Sill, Oklahoma the latter part of January.

Aviation Cadet Jack Lovin, Jr.., is stationed at Chickasha, Oklahoma, where he will complete his eight weeks primary training.

Cadet Lovin withdrew from Tech on the day the U. S. declared war to join the Air Corps and was sent to Kelly Field, Texas.

He was a former golden glove boxer.



Fred Waring

Fred Waring, popular orchestra leader, and his Pennsylvanians will introduce Texas Tech's song Friday 13 on the College Smoker program over the air. This is a part of the present Chesterfield Pleasure Time series, heard Monday through Friday at 7 p.m. EST, over the NBC red network.

Trevor Wolfe is stationed at Houston where he is working as a pilot ferrying bombers across the nation. He received training through the CAA course at Tech.

Eugene Lee Gause, senior student, has been detailed to the Boeing Aircraft Co.

Jim A. Hart of Crowell who received his M. A. in 1936 is teaching English and Journalism at Canyon, Texas.

J. S. Hale, Jr., completed requirements for his degree during the fall semester and is now teaching vocational agriculture at Lakeview in Hall County.

Wava Banes of Monument, New Mexico and August 1940 graduate is teaching public school music and directing band at Andrews.

Julia Wilbanks of Spearman, an August 1941 graduate, is teaching English and physical education for women at Idalou.

Mary Clark of Happy and a 1939 graduate is teaching art in the Robert Driskell Junior High School of Corpus Christi.



Opal Hill ★

Opail Hill, class '39 will be Alumni and Ex-Students Association representative present in the studio during the initial rendition.

Miss Hill graduated from high school at Post, Texas in 1933. She entered Tech in 1935 and because of the many obstacles it was necessary for her to overcome in gaining success became known as the Cinderella girl. She received many honors including selection by the Cotton Bowl Jubilee officials as National Cotton Girl to preside at the Cotton Bowl game when Tech played St. Mary's football team New Year's Day in 1939. She was winner of an award made yearly by the National Association of Cotton Manufacturers for highest ranking textile senior at Tech.

She received her degree in Textile Engineering with an option in weaving and designing. As far as known she is the only woman to have received a degree in Textile Engineering. Since graduation she has been employed by Wellington Sears Company, Inc., of New York City as a tester of dyed fabrics.

He approaching marriage to Gustav Johnson of Paterson, New Jersey has been announced.

What is your son studying in college? Languages.

Languages? I thought he was taking medicine.

Well, I got a bill that said: Twenty dollars for French; fifty dollars for Spanish; and two hundred dollars for Scotch.

Jess Wright, Jr., of Levelland and June 1941 graduate, is assistant of high school athletics at Post, Texas.

## HILTON

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#### Alumni Records in War Time

Compiling alumni and ex-student records is a difficult job at any time and an almost impossible task during war times when today's location, rank and address may be wrong tomorrow. Yet such records must be compiled as best they can, and to that end the coperation of men in the service, their families and friends back home, is solicited by the Alumni office and the college.

Some day a World War II Directory will be compiled, with the records and the parts so gloriously played by Tech men as its theme and purpose. To that end and for personal reasons every man in the armed services should keep his alumni office advised as to information of his military record and status. Assignment, rank, addresses, special training, promotions, honors and all other personal facts and information should be regularly sent to your Association office at Lubbock.

Some day you will want that record yourself. Your family or your children many years in the future will want such records in complete detail. Your college is proud of the part its sons are playing and wants such a record. They are essential to your Alumni and ExStudents Association.

Texas Technological College was not in existance at the time of the World War I but with many colleges it was impossible to prepare a complete hero list of those that gave their lives in the service. The lack of such a record of Tech men for World War II will be lamented many times by both the colleges and the Ex-Techsans.

Only one source of such information is available, and that is from the men themselves, their families and their friends. False modesty should not apply in this instance. Rank or assignment makes no difference since every man is doing his appointed task. The private is as important as the general and it requires ten men on the ground to keep one man flying. Texas Technological College and the Alumni and Ex-Students Association is equally proud of them. KEEP YOUR ASSOCIATION POSTED AT ALL TIMES AND COMPLETELY ON YOUR MILITARY RECORD.

If you want your name listed as a member of the Alumni and Ex-Students Association and desire to receive the official publication, Texas Tech Magazine, you should send \$2.00 to cover one years membership to your Alumni Secretary at Lubbock.

As much news about service men will carried each month as it reported to the Association. Jessie Rogers, M. S. in geology, 1936, district geologist for the Texas company of the Panhandle district of Texas, was here last week investigating well samples that are available for use in the geology department. According to Dr. L. T. Patton, head of the geology department, Tech's geology department has several thousand of these samples which are taken every ten feet. These samples are available to any geologist who wishes to study them.

Dr. Virginia Wakerling has received a temporoary appointment as instructor in mathematics for the spring semester. She is a graduate of the University of California and has three and one-half years' teaching experience.

The vacancy in the mathematics faculty was caused by the resignation of Mrs. K. T. Miller, Tech instructor for the past eight years. She has joined her husband in Macon, Georgia, where he is teaching in the air corps. Mrs. Miller will return to the Tech faculty

J. R. Kilpatrick of Cisco and August 1939 graduate is Band Director at Snyder, Texas. He directed band and choral work at Mart, Texas, 1940-41.

Mary Lou Gordon of Slaton and 1941 graduate of Tech is teaching typing, junior business training, and bookkeeping at Rochell, Texas.

#### WELCOME ENGINEERS

and

ALL TECH STUDENTS

to

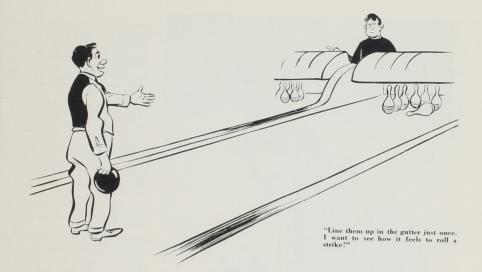
### LEVINE'S

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#### THE BOOMERANG . . . A BUG HOUSE FABLE IN SIXTEEN CHAPTERS

I

Dick, a senior, to a waitress in Pop's lunchroom: "Say, girlie, this pie is not so good."

#### H

Waitress to Pop: "One of them College Kids kicked about our pies."

#### III

Pop to the Acme Pie Company: "... and I have a good mind to stop buying your pies!"

#### IV

Acme Pie Company to Union Provisioners, Inc.: "Unless you can give us a better price on sugar, you can cross our name from your books."

Union Provisioners, Inc. to Pre-

#### mier Sugar Company: "Cancel our

last order."

Premier Sugar Company to United Association of Sugar Refineries: "Our customers are turning to sugar innorted from Slaparia. Unless we wake up and have the tariff on sugar raised, we face ruin."

#### VII

United Association of Sugar Refineries to Lobbyist Burke: "... regardless of cost, we want you to ..."

#### VIII

Lobbyist Burke to Congressman Smith: "The very existence of one of America's great industries is threatened."

#### IX

Congressman Smith to Imperial Importing Company: "While I appreciate your arguments against an increase in the tariff on sugar, I must first consider America's interest.

#### X

Imperial Importing Company to their General Agent in Slaparia:



"Now this wine was made by French peasants stamping the grapes with their feet."

"Congress having increased the duty on sugar, you will cancel all standing orders with local refineries."

#### XI

General Agent of Imperial Importing Company in Slaperia to American Consulate in Slaparia: "The closing of local sugar refineries has caused bitter feeling against the American colony in this town, and we need immediate protection."

#### XII

American Consulate to American Ambassador in Slaparia: "A bomb exploded this morning in our consulate injuring four U.S. citizens."

#### XIII

American Ambassador in Slaparia to Secretary of State in Washington: "... and I am unable to obtain any satisfaction from the Government of Slaparia."

#### XIV

The Secretary of State to the President: "All diplomatic steps have been tried to no avail."

#### XV

The President to Congress: "... and as an inevitable consequence, a state of war has been declared between the United States and Slaparia.

#### XVI

Dick, the senior of Chapter I to the soldier next to him in the trenches: "Say, buddy, who started this damn war, anyway?"



### Engineering Alumni Directory

NOTE: This list was compiled from information in the Office of the Dean of Engineering on Feb-ruary I, 1942. If you know of any corrections, please advise Miss Dorothy Rylander, Engineer-ing Alumni Secretary, Engineering Library, Tex-mer, Teah, College

please addissorting Alumas Secretary, Engineering Laumas, as Tech College.

As Tech College.
Albott, Lavel J.—City Light Plant, Lubbock.
Allen, Andrew E.—Decased.
Allen, Howard Charles—McDonnell Aircraft
Corp., Robertson, Mo.
Allen, Howard Charles—McDonnell Co., Phillips.
Allen, Howard Charles—McDonnell Co., Middland, Allen, Howard Charles Per P.—Dow Chemical Co., O'Don-Allison, Wm. W.—Arizona Chemical Co., O'Don-Allison, Wm. W.—Arizona Chemical Co., Control Co., Lap.

Allison, Wm. W.—Arizona Chemical Co., O'Donnell.

Altman, Robert L.—West Point Mfg. Co., Landet Cotton Mill, Lanett, Ala.

Aud. Defect Cotton Mill, Lanett, Ala.

Aud. Defect S.—Sort Mill, Lanett, Ala.

Anderson, Glynn—(Mrs. K. Lane Turner)—ADDRESS UNKNOW, K. Lane Turner)—ADAnderson, Robert S.—North American Aviation

Co., Grand Prairie.

Anderson, Robert S.—North American Aviation

Co., Grand Prairie.

Armstrong, C. C. Jr.—State Highway Department, Lubbock,

Armstrong, C. C. Jr.—State Highway Department, Box 5661, Sonor,

Arnold, Wm. B.—Interlaken Iron Corp., 11236

Torrence Ave., Chicago, Co., Ft. Wrt Worth Aircart Assembly Plant, Ft. Worth Aircart Assembly Plant, Ft. Worth Aircart Assembly Plant, Ft. Worth Aircart Assembly Allison, Attention, Palace Theater Building, Lubbock.

Alkinson, Atmar L.—Hedrick & Lindsley, Archilects, Sis Southern Standard Building, House,

And J. L. U. S. Pubber Co., Magnet.

ton. stin, D. T ville, Ga. T. Jr.-U. S. Rubber Co., Hogans-

Austin, Fleming C.—Caterpillar Tractor Co., Pe-oria, Ill.

Austin, Julia E.—Teacher, Corpus Christi public schools, Corpus Christi. Bagwell, Marshall—Texas New-Mexico Pipe Line

well, Stancil M.—Amarillo Public Schools, Amarillo. 29, H. Leon—State Highway Department,

Balley, H. Leon—State Highway Department, Tulia.

Bain, Woodrow W.—State Highway Department, Box 505, Cotulia.

Box 505, Cotulia.

Box 505, Cotulia.

Box 505, Cotulia.

Box 506, Cotuli

Ill.

Bean, Mary E.—Amarillo Public Schoola, Amarillo.

Beard, Harry T.—Rulc-Jayton Cotton Oil Co.,

Stamford.

U. Heisersity of Alabama, Uni-

Stamford.

Bechtold, Carl W.—University of Alabama, Uni-

Bechtold, Carl w. versity, Ala. Wersity, Ala. Bell, John A.—3016 22nd St., Lubbock. Bell, John A.—3016 23nd St., Farmington, New Mex. Bell, Lennon G.—Box 531, Farmington, New Mex. Bellamy, Lt. C. N.—111th Engineers, Camp

Benham, Ford C. Jr.—C. H. Ruebeck Co., 218-226 S. 11th St., Waco.

Benson, Don-Fleming & Sons, 34th St. & Madison Ave., New York City.

Benn, Clyde A.—Tuco Plant, Abernathy.

Biggers, J. B.—Truscon Steel Co., 1009 Baltimore Ave., Kansas City, Mo.

Bivens, D. D.—Oklahoma Bagava,
Oklahoma City,
Black, Kathryn—Lester's Credit Jewelers, Lubbock.

F. Ir.—4810 Amherst, Dallas.
Ankle)—
Ankle)—
Ankle)—
Ankle)—

Oklahoma Bagava,
Ankle)—

Oklahoma City,
Ankle)—

Oklahoma City,
Oklahoma C

Blocker, Harry E. Jr.—4810 Amherst, Dallas, Boawell, Fredricka C.—(Mrs. Felix E. Ankle)—Box 1800, Wichita Falis, Box 1800, Wichita Falis, Bowden, Adrian C.—Humble Oil & Refining Co.—Baytown, Tex.—Unible Oil & Refining Co.—Baytown, Tex.—Baytown, Tex.—Bayt

Georgia.

Bozeman, H. A. Jr.—Amarillo Gas Co., Amaril-Brady, Aubrey L. (Lt.)—Luke Field, Phoenix,

Ariz.

Brady. Barney A.—U. S. Engliner Office, Lub-bock Airbase, Lubbock.

Bralley, S. J. C.—West Texas Gas Co., PlainBrandenburg, R. T.—402 E. Park Ave., San Antonio.

Brannin, R. S. Jr.—Sperry Gyroscope Co., New
York City.

Branton, Pvt. John Darrell—ACTD, Boeing School of Aeronautics, Oakland Airport, Oak-land, Cal.

School of Aeronautics, Oakland Airport, Oak-land, Cal.

Brasher, Herbert—Carl L. Svensen, Engineer & Architect, 1509 Ave. K. Lubbock.

Bratton, Wm. A. Jr.—North American Aviation

Co., Inglewood, Cal.

Brown, Louis N.—Box 151, Amarillo.

Brown, Parker—U. S. Bureau of Mines, Amaril-Brumby, Birt R.—Magnolia Petroleum Co., 721 Browder, Dallas.

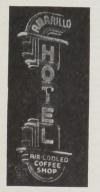
Bryan, Bruce-U. S. Engineer Office, Lubbock Airfield, Lubbock.

Arriesi, Lubbock.

Bryant, Lt. James Basil—Taft Field, Taft, Cal.

Bryant, Wm. Noel—2417 S. 118th St., Seattle,

Buchanan, Monroe—U. S. Gypsum Co., Sweetwater.



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#### HOTEL AMARILLO

Amarillo, Texas

Buckley, Harry Wm.—Federal Housing Administration, 1215 Texas Ave, Lubbock.
Buckner, Dale E.—The Baker Co., 1021 14th St., Lubbock.
Buffington, Clint.—Address Unknown.
Buckley, Co., Buckley, Co., Buckley, Co., Buckley, John (Mrs. Clarence Mast)—2213 E. Madison St., Baltimore, Md.
Burkhalter, Henry—Electric Bond & Share Co., New York City.
Burkley, John St., St., Baltimore, Md.
Houston, Jr.—State Highway Department, Houston, Jr.—State Highway Department, Houston, Landon, Lan

Burks, W. A. Jr. State
Houston,
Burns, R. L.—Southwestern Bell Telephone Co.,
St. Louis, Mo.
Furns, Watter N.—Cameron.
Burt, John C.—418 N. Pleasant, Independence,

Burt. John C.—118 N. January.

Mo.
Busby, Richard O.—Box 72, Kiljøre.
Butler, Millon H.—Texas-New Mexico Utilitles
Co., Plainview.
Bynum, Millon O.—Ellington Field, Genoa, Tex.
Caldwell, Jos J. Jr.—Sperry Gyroscope Co., New
Caldwell, Jos.—20 Ridley Ave., Norwood, Penn.
Campbell, Edwin M.—State Highway Department, Rusk.
Campbell, Forrest F.—West Texas Utilities Co... ment, Rusk.
Campbell, Forrest F.—West Texas Utilities Co.,
General Meter Department, Abliene.
Campbell, Frances E. (Mrs. Wm. M. Pierce)—
care of Mr. Wm. M. Pearce, Texas Tech,

Camposis Care Mr. Wm. M. Pearce, Texas 1 co., care Mr. Wm. M. Pearce, Texas 1 co., 263 Bullders Exchange Bullding, San Antonio. Cantrell, Helen Ann—care of Mrs. C. A. Cantrell, 807 W. John St., Pilatriew. Cantrell, Ralph B.—Box 1407, Houst Engineering Dept., University of Texas, Austin. Casev, Jim Tom—U. S. Engineer Office, Lubbock Affrield, Lubbock. Chapman, Wilson A.—(Lt.)—U. S. Air Corps. Stationed in Philippine Islands. Chapman, Wilson M.—(A-C), ACTD, Oxnard. Cal.

Cal. Thomas M.—State Highway Department, Chesser, Tin.

Lubbock.
Christian. Joe M.—Texas Woolen Mills, Eldorado, Texas.
Mattle Lou—care of B. C. Christian, Rt. 1, Seagraves.
Christopher, Nathan H.—U. S. War Dept., Signal Corps Aircraft Radio Laboratory, Wright Field, Daylon, Ohio.
Claitor, L. Chroni-Field Texas A & M. Col-

College Station, Texas.
ober—Case School of Applied Science,

Cleveland, Ohio.

Clavk, Albert A.—YMCA, Schenectady, N. Y.
Clark, Frank Merritt—2511 26th 8t., Lubbock,
Clark, May-Teacher in Public Schools, CorCobb, Wm. L.—115 W. Gandy, Denlson,
Coffman, Geo. Raymond—care of Engineering
Del., Texas Power & Light Co., Dallas,
Cole, Clarence A.—Stanolind Oil & Gas Co., TyCole, Clarence A.—Stanolind Oil & Gas Co., Ty-

ier.

Coneway, R. Paul—The Trane Co., 306 University Bldg., Syracuse, N. Y.

Conner, J. Preston—Gulf Oll Corp., Port Arthur.

Conroy, Jack—Warren Petroleum Co., Monument, N. M.

N. M.
Coon, Ralph H.—ADDRESS UNKNOWN.
Coons, Gex B.—Lockheed Aircraft Corp., Bur-

Coon, Raiph H.—ADDRESS UNKNOWN.
Coons, Ges B.—Lockheed Aircraft Corp., Burbank, Cal.
Cooper, Al Ray—Rails
Copeland, T. D. Jr.—76 S. Torrence St., Dayton, Ohlo.
Cooper, Al Ray—Rails
Copeland, T. D. Jr.—76 S. Torrence St., Dayton, Ohlo.
Cooper, J. Good, Cooper, Cooper

lla, Tex.
Crawford, A. W.—Reed Roller Bit Co., Houston.
Crawford, Duffer B.—Bureau of Industrial
Chemistry, University of Texas, Austria
Crawford, H. C.—Texas Railroad Commission,
Oil & Gas Division, Austria.
Cromer, Layuna—Rt. 1, Lubbock.
Davidson, J. Nari—Texas Power & Light Co.,

Dallas.
Davidson, Woodrow-Pollock Paper and Box Co.,

is, Dan A.—Iowa Geological Survey, Geology Annex, State University, Iowa City, Iowa.

Davis, John A .- Village Green, Media, Penn. Davis, Ralph V.—care of O. H. Thorman, Architect, First Nat'l. Bank Bldg., El Paso.

Davis, R. J.-Humble Oil Co., Ingleside, Texas Davis, Roy C .- ADDRESS UNKNOWN

is, Capt. W. A.—War Department Air Co Materiel Division, Wright Field, Dayton, Davis, Wm. J.-ADDRESS UNKNOWN. Dean, L. Bernard-State Highway Department, Archer City, Tex. Deats, Hollis W.—Address Unknown.
DeShazo, Herbert E.—State Highway Department, Lubbock.
Devenport, Elmer—Balmorhea State Park, Bal-

morhea. Dingus, Lt. G. W.—98th Engr., Co. B, Camp Polk, La.

s, Et. G. olik, La. , Everitt—Texoma Natural Gas Co., Fritch dson, W. Lyle—Texas Electric Service Co., Midland.

Midland Midland J.—Sitclair Oil Co., Box 781, PasaDoucette, Berton—211 N. Frost. Pampa
Douclets, Berton—211 N. Frost. Pampa
Douglas, Ralph W.—2507 23rd St. Lubbock.
Dowda, Van D.—ADDRESS UNKNOWN.
Dowdy, Ross Wayne—(A.-C), Air Corps Training Dept., Ryan School of Aeronautics, Henet. Cal.

W.—University of Houston Phosphone

et, Cai.
Drake, G. W.—University of Houston, Hou
Drake, L. C.—State Highway Department,

tin. ke. Robert E.—Kansas Utilities Co., Ft.

Re. Robert E.—Ransas Utilities Co., Ft. Scott, Kansas. ree, George W.—Blackstone Valley Gas & Electric Co., Pawtucket, R. I. r, J. M. Jr.—Southwestern Light & Power

Electric Co., Pawtucket, R. I.
Dyer, J. M. Jr.—Southwestern Light & Power
Co., Lawton. Okla.
Earnest, J. R.—Lamesa.
Easiev, Gayle P.—Roosevelt Co. Electric Membership Corp., Portales, N. M.
Eddins, Frank.
Eddins, Frank.
Eddins, Frank.
Eddins, College, College Station, Tev.
Clewards, C. E.—Battey, & Childs, Consulting Engineers, KKansas Ordnance Plant, Parsons,
Kansas.

gineers, Axaa-Kansas, R.—The Texas Co., Port Arthur. Ellington, Evelyn M. (Mrs. Earl Douglas Rose) —Box 27, Bledsoe, Texas. Elder, Joe B.—The Binswanger Co., Dallas. Emfinger, Norman W.—Texas Electric Service

Emfinger, Norman W.—Texas Electric Service
Co., Ft. Worth.
Emmett, John C. (Pvt.)—Battery G, 19th C. A.,
Imperial Beach, Cal.
English, Nelson Jr.—Gulf Oll Corp., Wickett.
Epperson, Dwight L.—Avondale Mills, Sylacauga,

Eudaly, Sheldon—Royalty, Texas.
Evans, Leroy W.—Massachusetts Institute of Technology, Cambridge, Mass.
Bremerton, Wash.
Bremerton, Wash.
Fairly, R. Fred—Associated Telephone Co., Ltd.,
Santa Monica, Cai.
Fairly, R. Fred—Associated Telephone Co., Ltd.,
Santa Monica, Cai.
Farante, Jarea, —State Highway Department,
Ferchee, D. M.—care of Commandant, 10th Naval District, St. Thomas, Virgin Islands,
Feltz, Charles H.—North American Aviation Co.,
Foncannon, Gareld E.—ADDEESS UNKNOWN.

Inglewood, Calif.
Foncannon, Gardel E.—ADDRESS UNKNOWN.
Foote. Norman C.—Humble Oil Co., Baytown.
Foote. Area T.—Freas.—New Maxico Pipe Line
Forbes, Ordis E.—U. S. Engineer Office, Denison Dam, Benison.
Ford, Thomas A.—Central Power & Light Co.,
Foster, Arthur—Texas. Textile. Mills.

Arthur—Texas Textile Mills, Inc., Mc-

Kinney.

Foster, John P.—210 S. 2nd St., Lamar, Colo.
Foster, M. K. Jr.—American Smelting & Refining
CO., Amarican Smelting & Refining
Formation of the Color of

Galleri, Sander R. R.—DuPont Rayon Co., Old Hickory, Tenn.

Gaines, James W.—North American Aviation Co., Inglewood, Cal.

Galloway, Wm. S.—Guif Oil & Refining Co., Box 1234, Memphis, Tenn.

Garlison, C. H.—Son, Engineering Department, Texas Tech College, Lubbock.

Garrison, C. H.—3030 Main St., Kanasa City, Mo. Gay, J. Frank.—44 Pine Street, New Orleans, La.

Gist, J. Frad. — St. Geological Survey, Dresden Mills, Mannas, Tex.

Gist, J. T.—U. S. Geological Survey, Dresden Mills, Man.—Bureau of Industrial Chemistry, University of Texas, Austin.

Glass, Raymond E.—202 Beechwood Ave., Catonsville, Md.

Glazner, Charles E.—ADDRESS UNKNOWN.

onsville, Md.
Glazner, Charles E.—ADDRESS UNKNOWN.
Glenn, Maurice T.—Richfield, Kansas.
Glimp, M. Zed Jr.—Westinghouse Electric &
Manufacturing Co., 420 School Street, Jop-

lin, Mo. Glover, Ralph Cecil—State Highway Department, Ft. Worth. Ft. Worth. eke, Henry L.—Stanley Engineering Co., Muscatine, Iowa.

Godeke, Richard H.—Allis-Chalmers Co., West Allis, Wis. Goodson, Bob F .- Texas Power & Light Co., Mc-

Gragg, Cedric W.—Box 1302, Ancon, Panama Canal Zone.

Graham, Neville B.—Brown & Root Construc-tion Company, Houston. Granberry, Herman—Physicists Research Co., Ann Arbor, Mich. Granberry, Hugh W.—General Electric Co., Dal-

Jas.

Gray, George H.—Sinclair Refining Co., Hobbs,
N. M.

Gray, Herbert M.—Illinois Institute of Technology, Chicago, Ill.

Gray, Willard F.—Texas Technological College,
Dept. of Elecerical Engineering, Lubbock,
Greathouse, Walton D.—Continental Carbon Co.,
Sunray, Texas,
Green, George P.—Shepphard Field, Wichita
Green, George P.—Shepphard Field, Wichita
Green, Grover—State Highway Department, Dailas.

Green, Grover-State Assessing State Corp., Port Arthur.
Green, Clovis-Wright Field, Dayton, Ohio.
Green, Truman-City Manager, Spur, Texas
Greek, Gulon, Fr.—Robert E. Pent Mrg. Co.,
Gregory, Carlyle-Hartsville Print & Dye Works,
Hartsville, S. C.
Gresham, Clarence Earl—State Highway DeWellington.

Island.
Grundy, Jack A.—Gates Rubber Co., 110 Milby
St., Houston.
Guthrie, John S.—State Highway Dept., Fort
Worth.

Worth.

Hall, Millard M.—Co. B, SMDL, B-3 Laboratory,
Army Medical Center, Washington, D. C.

Hall, Paul-Humble Oil & Refining Co., Houston.

Hall, Wayne (A-C)—Ryan School of Aeronautics,
Hemet, Cal.

Hemet, Cal. Imark, Edwin—Service Co., QMR, Camp Bow-

Halimark, Lewing Set. 18, Texas, Malmark, J. Milton—U. S. War Dept., Quartermaster Depot., Jefferson, Ind.
Halsey, Ray E.—Petty, Geophysical Engineering
Co., San Antonia.

Hausy, Ray E.—Petty Geophysical Engineering, Co., San Antonio.

Co., San Antonio.

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and Latest Hits Phonograph Rentals for Club Parties & Dances

All American Device Co.

#### BLUE BONNETT LAUNDRY

"We Treat Your Clothes White"

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#### Worth a Million ...

Protect him with gas heat. When you heat your home with gas, you simply set the thermostat and forget that you have a heating plant from Fall until Spring.

### West Texas Gas Company



Great industrialists, professional, financial and commercial men, together with America's masses, gasped and then applauded when our Chief Executive announced National Defense plans and how the staggering budget of "52 Billions in '42" would be used.

All agreed that while it was a "big order," it could and would be filled. We can expect and will willingly accept any extra burders or inconveniences this vast program dismands. Our only release is in doing the job thoroughly and quickly. In so doing our burdens will not long endure, then we, all of us, may return to our accustomed, normal routine of life. To this end we pledge our full effort.



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DISTRICT OF COLUMBIA
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WIRGINIA
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### "SET 'EM UP" \_ FOR CHAMPION LOWELL JACKSON





AND SET UP THE CAMELS, TOO
... Whether you're in there
bowling yourself—or watching — nothing hits the spot like
a cool, flavorful Camel

TALK ABOUT your wood-gettin' wonder! You're looking right at him— "Low" Jackson of St. Louis, 1941 All-American, captain of the world's match game champions, and possessor of one of the highest-scoring hooks in bowling today. Light up a slower-burning Camel and watch this champion in action. THERE'S A SWIFF FLASH of the arm. The snap of a wrist. The ball whirls down the alley. Take a good long look at the way "Low" Jackson tossed that one—that's an All-American hook. Close to the gutter. Three-quarters down, she starts to break—straight for the slot. Watch it now it's —







C-R-A-S-H! A perfect hit! The very sound of 'em falling sets you tingling all over. Like a homer with the bases loaded...a hole in one...like the full, rich flavor of a certain cigarette, it never fails to thrill. No matter how much you smoke, there's always a fresh, welcome taste to a Camel – for Camels are milder with less nicotine in the smoke.

THE SCORE-BOARD tells the story. More smokers prefer Camels...smokers like Lowell Jackson to whom mildness is so important...smokers who want a flavor that doesn't tire the taste...smokers who want more out of a cigarette than something to carry in hand or pocket. You'll never know what you've been missing until you smoke Camels.

TWENTY TIMES "Low" Jackson (above) has rolled the perfect score (300). Every time he lights up a Camel he smokes with the assurance of modern laboratory science that in the smoke of milder, slower-burning Camels there is less nicotine (see below, left). Get a package of slower-burning Camels to day, and smoke out the facts for yourself.

The *smoke* of slower-burning Camels contains

# 28% LESS NICOTINE

than the average of the 4 other largest-selling brands tested less than any of them—according to independent scientific tests of the smoke itself!



### Camel

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R. J. Reynolds Tobacco Co., Winston-Salem, N. C.