THE GEAR

OF THETA TAU

FALL 1947

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The GEAR *of* THETA TAU

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Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

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THE GEAR OF THETA TAU

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Chapters

ALPHA, *Founded October 15, 1904* - - - - University of Minnesota
(Chapter house) 324 Walnut St., S. E., Minneapolis, Minn.

BETA, *Established March 26, 1906* - Michigan College of Mining and Tech.
(Chapter house) 1405 College Ave., Houghton, Michigan

GAMMA, *Established November 8, 1907* - - - Colorado School of Mines
c/o Prof. M. L. Signer, Colo. School of Mines, Golden, Colo.

DELTA, *Established May 23, 1911* - - - - - Case Institute of Technology
Theta Tau Box, Case Institute of Technology, Cleveland, Ohio

EPSILON, *Established May 4, 1911* - - - - - - University of California
Theta Tau Box, Hearst Mining Bldg., Univ. of Calif., Berkeley, Calif.

ZETA, *Established April 17, 1912* - - - - - - - University of Kansas
(Chapter house) 1602 Louisiana Street, Lawrence, Kansas

THETA, *Established May 26, 1914* - - - - - - - Columbia University
c/o Prof. Nelson S. Fisk, Col. of Eng., Columbia University, New York City

IOTA, *Established February 5, 1916* - - - - - - Missouri School of Mines
c/o Prof. J. B. Butler, Missouri School of Mines, Rolla, Mo.

LAMBDA, *Established April 29, 1920* - - - - - - - University of Utah
c/o George W. Carter, College of Engineering, Univ. of Utah, Salt Lake City

MU, *Established January 3, 1922* - - - - - - - University of Alabama
P. O. Box 2043, University, Alabama

NU, *Established January 1, 1922* - - Carnegie Institute of Technology
P. O. Box 114, Carnegie Institute of Technology, Pittsburgh, Pa.

XI, *Established January 13,1923* - - - - - - - University of Wisconsin
c/o Dr. G. A. Rohlich, 9 Hydraulics Laboratory, Univ. of Wis., Madison, Wis.

OMICRON, *Established February 3, 1923* - - - State University of Iowa
Box 44, Iowa Memorial Union, Iowa City, Iowa

PI, *Established May 26, 1923* - - - - - - - - University of Virginia
c/o Professor Lawrence R. Quarles, College of Engineering, Univ. of Virginia

RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.
c/o Prof. T. C. Brown, M.E. Dept., N. C. State College, Raleigh, N. C.

SIGMA, *Established November 29, 1924* - - - - Ohio State University
c/o Prof. Francis W. Davis, College of Engineering, Ohio State, Columbus, Ohio

TAU, *Established December 12, 1925* - - - - - - Syracuse University
c/o Prof. D. E. Stearns, Col. of Applied Science, Syracuse Univ., Syracuse, N. Y.

UPSILON, *Established April 7, 1928* - - - - - - University of Arkansas
(Chapter house) 213 N. Church St., Fayetteville, Arkansas

PHI, *Established April 21, 1928* - - - - - - - - - Purdue University
(Chapter house) 416 North Chauncey, West Lafayette, Indiana

CHI, *Established April 23, 1930* - - - - - - - - University of Arizona
Theta Tau Box, Engineering Bldg., University of Arizona, Tucson, Ariz.

PSI, *Established May 7, 1932* - - - - - - - - Montana School of Mines
Theta Tau Fraternity, Care of Montana School of Mines, Butte, Montana

OMEGA, *Established March 26, 1932* - - - - S. Dakota School of Mines
(Chapter house) 107 Kansas City St., Rapid City, S. Dak.

GAMMA BETA, *Established March 16, 1935* - George Washington University
c/o Prof. N. B. Ames, George Washington University, Washington, D. C.

DELTA BETA, *Established May 20, 1939* - - - University of Louisville
(Chapter house) 2022 S. First St., Louisville, Ky.

Zeta Wives Lend a Hand

When Zeta chapter wound up the last academic year with money in the bank it was decided to get new drapes and rugs. On such matters the feminine touch is definitely indicated so Mrs. G. W. Bradshaw, wife of the Robert Meredith, and Mrs. J. G. Jacobs cooked up a much better plan. The ladies not only picked out the material but made 10 pairs of drapes and hung them in the chapter house. Some of the women went to Lawrence

ZETA WIVES IN ACTION

Left to Right: Mrs. Robbins, Mrs. Jones, Mrs. Hausen, Mrs. Nusser, Mrs. Russell, Mrs. Bradshaw, Mrs. Assell, Mrs. Fiel, and Mrs. Patterson.

Chapter adviser, was asked to pick out suitable materials. Mrs. Bradshaw consulted Mrs L. G. Fiel, the wife of the Zeta House Corporation Secretary, and before long these two together with Mrs. Ralph Nusser, Mrs. L. O. Hausen, Mrs. J. O. Jones, Mrs. Pete Robbins, Mrs. F. A. Russell, Mrs. C. P. Assell, Mrs. L. L. Patterson, Mrs. from Kansas City to work on the project for whole days at a time. Several of the group are shown at work in the picture taken in the home of Mrs. Bradshaw. Thanks to the energetic support of the ladies and to the alumni who added a lamp and a table to the living room stock, the Zeta house definitely has that "new look"

So You Want a Foreign Job

by Wm. A. Austin, Jr.
(Reprinted from *The Mines Magazine*)

The first thing to consider when about to venture into the field of foreign jobs—is the wife or girl friend. The final reason for this may be apparent later on, but for the time being take my word for it.

"Dames is different" is more than an *Esquire* saying. Man can live without woman, but not on this planet. And in some of the queer places on this earth it is very dificult foe women to get along. I don't blame them, but if YOU are really going there the ever-loving must accompany you, and she must do so wholeheartedly.

When you get that fancy blank contract with those neat and tricky clauses in small print, which promise you three years in Borneo or Patagonia, cough in your manly way and say, "Look, dear, here is what they offer me, I think we'd better talk it over."

Settle into your respective armchairs, or into one if the honeymoon is still that fresh, and get right down to brass tacks. Let nothing distract you.

Make it plain to her that she will have to forego those weekly visits to Mother, the shopping bees at Saks, and the style of permanent which suits her so well. The closest touch with Mother will be an airmail now and then, shopping will have to be done in a new money and language, and the perm business will be a new frizz entirely.

If she still loves you, mention the serious end of the business. A man's wife can make him or break him much more easily in Peru than in Poughkeepsie. Outside of our borders she is much more of Caesar's wife than in. An engineer on a foreign job is either thrown into the closed circle of an American camp, or must move in the native orbit of society, especially if his job is lonehand.

In the feudal atmosphere of an American mining or oil or construction camp, the wife must know her strictly-observed caste, must defend herself at bridge and gossip and must serve a classy piece of cake weekly. The husband can hide himself in his field or drift or office for eight or ten hours per day, but the poor gal is strictly on display about 16 hours per day.

Then what's the difference, says you. Just this—back in Scotts Bluff she can refuse to speak to Mrs. Brown for three years, but here there are only 20 of you surrounded by jungle, and besides, Mrs. B. is your boss's wife.

And more important yet, if the husband is playing a lone hand amongst the politicos, the lady of the house must, repeat MUST, move in the proper circles of pashas, gobernadores or war-lords.

Now this is a tough life for the sweetie-pie; no ordinary woman can stand it. There is no reason she should. If yours doesn't want to, don't try to make her do it. It will be a flop for the combine, and the only ones to profit will be the Reno lawyers. Stay in Hoboken and live out your life in happiness.

So far I have talked about the legal wife. If a girl friend is concerned, consult her also. If she wants to go with you, marry her and take off. You

will come out all right.

But don't tell her to wait until you have finished the first contract—that you will be back all wealthy and successful to claim her. In exactly 18 months she will have married the bookkeeper at the Waterworks, you will have married the daughter of the Alcalde, and all four of you will be happy ever after.

To get back to the original married man, don't worry about your kids in that new job in Guatemala. The kids thrive anywhere, have the same measles as at home, and learn the language 10 times easier than you will.

Let us now examine the single man with no encumbrances (a rare bird, but some do exist.) Having gone thru *Mines* presuppoes an adaptibility and an ability to take it. These are both essential qualities which must be conserved. Your ability to absorb liquor must be strictly measured. Know your capacity and don't pass it. A lot of germs lurk endemic in the parts of the world where you are going.

If you have ideas that you are of the Herrenvolk, recall what happened to Hitler. Some of those Chileans and Brazilians are a lot smarter than you are. And, after all, they own the country, you are a foreigner in their eyes. The president of your company will not appreciate your superiority complex even when he hears from the police about your proving the point that you can "Lick any four of 'em!" Your name in headlines does not help him to negotiate that contract with the Ministry of Mines.

If there is one rule to brand on your left hip before you leave the U. S., it is—BE POLITE!

The people of every other country in the world believe themselves more polite and cultured than the Americans. Maybe they are right, but I'd never let them prove it on me. As a polite American you will find all doors open to you. Th natives will bow to you, either in amazement or in awe. Bow back at them, even deeper, and from then on you will go to town and the New York office will have to give you a raise. And I'm not kidding!

"Of course, absolutely, of a certainty," said the smiling gendarme. "You are undoubtedly right, Sir, I am convinced, myself, that it all happened exactly as you say. Now, sir, if you will just please have the goodness, to deign to accmopany me to the jail for this evening, my dear sir, if you don't mind . . ."

And when I think of what that cop on the corner of Broadway at 14th said to me, just because I—Oh, well, all in all the other tasted better.

And when I tell you to be polite, I include your NOT telling the world how much better we do it in Peoria. Perhaps we are whizzes at it—in Peoria—but reflect, do we do so well at the same job in Mississippi and Idaho? Perhaps Peoria has the raw material *and* the skilled labor *and* the transport. Remember, you are now in an Ecudorian jungle, and it must be done in some other way.

Don't be narrow-minded. An Egyptian perfected underwater welding, Swedish steel and French reinforced concrete are marvels, the Russians have another magnetic pole, we can still learn.

If you are young on a foreign job, be prepared to work more than the 40 hour week. There are compensating advantages.

If you are an older man going out in charge, be prepared to be misunder-

stood. Letters cross, cables get garbled, New York or Frisco foams and does not comprehend. Keep calm and keep your record straight, you always have manana, even if your boss sends you scorching missives just before he shuts his desk on Friday afternoon for his weekend. With patience and—you know the old saying.

I said that there are advantgaes to a foreign job. One, you get more money and you save more money (unless you are addicted to scotch with every meal). Then, when you come home at night you don't have to wash the dishes after dinner. There are usually people who are glad to do this for you—for a reasonable charge. Also, in foreign parts there are very few double features and no Bingo.

But I think the main advantage is that you get a whole lot of new ideas. The local padre of the government architect or the commandant of the garrison has more ideas about things in general than that whole car of commuters on the 7:57 from White Plains. Perhaps it is because—in those parts of the world—man has more time to think. But I may be wrong.

Disadvantages of a foreign job, well, there are many. I' drather let you find out, than enumerate them. They range from typhoid to no bubble gum.

Just one more thing, which I will not classify ether as an advantage or a disadvantage. Once you accept a foreign job, and carry thru your first contract successfully—maybe you form a special mentality which is no longer useful in continental U. S., maybe you just don't want to go back, maybe you marry the senorita, but the fact remains—YOU CAN'T GO BACK!

Me? All three happened to me!

OSU Fraternities, Sororities Find Non-Profit Buying Pays off in 1947 Savings of $125,000

Ohio State University's fraternities, sororities and cooperative rooming houses saved themselves $125,000 during 1947 by operating through a nonprofit buying organization called the Fraternity Managers Association.

They also wound up the fiscal year this week by getting back an average check of $150 to $200, depending on how much they bought through FMA during the year. The organization buys food and house supplies.

The "patronage refund," as the returned check is called, represents the amount of unexpended money left in the operating fund of the association. Each member outfit is charged an additional three per cent on their monthly statement for servicing expenses. Unused amount of the service charge this year totalled 1.3 per cent of the total purchases for the year.

Actual cash funds for all participating groups totaled $7,973.42 according to Mrs. Thelma Glick, manager of FMA.

Spot checks made by the association indicated that the average group saves 20 per cent on its total purchases by buying cooperatively through FMA, Mrs. Glick says. The 1947 one and three-tenths per cent refund was authorized by the FMA Board of Trustees which is comprised of five

students, six alumni members, the Secretary of Fraternity Affairs and the Deans of Men and Women.

A total of 76 Greek letter groups and residence halls are members of the organization. Largest single patronage refund check for 1947 went to Zeta Beta Tau fraternity which received a refund check of $349.14 on its yearly purchases. The ZBT treasury also has piled up the largest cumulative refund total since 1936, with approximately $994.40 having come back to the Woodruff Avenue Fraternity through its participation in the association.

Ohio State University Bureau of Public Relations

G. E. Slye Appointed To New Post

George E. Slye, Nu '25, has been appointed to the new post of public relations manager for the Pratt and Whitney Aircraft Division of the United Aircraft Corporation. Brother Slye has been with the aircraft engine company since 1943. First assigned to the installation engineering department he became publicity representative in October 1944. The Slyes live at 94 McKee St., East Hartford, Connecticut.

Carnegie Alumnus

J. E. Machamer Becomes V. P. of Firm

Jerome E. Machamer, Kappa '22, assistant general superintendent of the Hibbing-Chisholm (Minn.) district of the Oliver Iron Mining Co., has been elected a vice presidnt in the firm. He joined the Oliver organization soon after graduation, working first as a mining engineer in the Canisteo district. In 1930 he was transferred to the Virginia district. He was made general crusher plant foreman at the Virginia Eveleth crushing plant in 1934, was promoted to assistant superintendent of the Hibbing-Chisholm district in 1942, became superintendent of the Hartley-Fraser mine in 1943, and in September, 1946, was appointed assistant general superintendent of the Hibbing-Chisholm area. A native of Chicago, Machamer attended Oberlin College from 1912 to 1914. After serving in the Air Corps during World War I, he entered the University of Illinois to study mining engineering.

Dr. Bert S. Butler Awarded Penrose Medal

Dr. Bert S. Butler, Honorary Chi, head of the department of geology, University of Arizona, Tuscon, was

awarded the Penrose Medal at a dinner of the Society of Economic Geologists in New York City early this spring. The medal was conferred for "outstanding original contributions to the knowledge of the geology of metallic ore deposits." The Penrose award was established by the late Richard Fullerton Penrose of Philadelphia, a distinguished geologist who left a large fortune as an endowment for geological research.

Dr. Butler is the tenth recipient of the award since its establishment in 1924. He was graduated from Cornell University in 1901 and served in that institution's geology department while doing graduate work. The Colorado School of Mines conferred an honorary doctor of science degree upon him in 1928. He served with the U. S. Geological Survey between 1907 and 1920; and from 1920 to 1924 was geologist for the Calumet and Hecla Consolidated Copper Co., conducting a special study of its mineral holdings. In the latter year he rejoined the Geological Survey to aid in the preparation of a report on the copper deposits of Michigan. He later worked in Colorado, giving special attention to the Climax molybdenum deposits. Since 1928 he has been a member of the staff of the University of Arizona and has made numerous studies of the mineral districts of the state.

J. B. Whitelach Winner of a Rhodes Scholarship

Brother James Buckley Whitlach, Pi '47, was the successful candidate for a Rhodes Scholarship in final competition for the Southern United States held at Atlanta, December 14. Brother Whitlach was the twenty-seventh University of Virginia student to win a Rhodes Scholarship, and is the twenty-ninth alumnus, two alumni having been selected while attending other schools and being credited to those schools.

Virginia Alumni News

Frank Herzegh Develops Tubeless Tire

Announcement has been made by J. F. Collyer, president of the B. F. Goodrich Co., that the company has gone into production of a puncture-sealing tubeless tire developed by Frank Herzegh, Delta '30, tire development engineer with Goodrich.

The tubeless tire combines the puncture-sealing safety factor of certain tubes with improved riding qualities and in addition, has high resistance against bruising and remarkable ability to retain air pressure. The most important feature of this tire is its ability

The first announcement of the revolutionary tire was made in 1942 when it was revealed that Herzegh's experiments with such a tire had been culminated by success. This tire was used on combat vehicles for the military services during the war but after several changes one was constructed for passenger cars which was termed successful in May 1947 and went into production in June 1947.

to snuggle against the rim so as to create an airtight fit. Rayon cord is used in building the carcass. The interior under the tread and shoulders is lined with a soft sticky rubber. This provides the puncture-sealing factor. In appearance the tubeless casing is much the same as the ordinary tire; design and construction changes make the difference.

Collyer estimated that at least seven

per cent of the conventoinal tire equipment rubber content will be saved by this new tubeless tire through elimination of inner tubes and flaps. No special tools are required to mount the new tire and inner tube elimination speeds tire repairing necessary because of cuts or other causes of deflation.

Brother Herzegh is a native of Cleveland and still lives there, his address being 18504 Kensman Road, Shaker Heights, Ohio. He joined Goodrich immediately after his graduation as a physicist and became a tire construction engineer in November 1940.

Case Alumnus

Commdr. C. O. Reinhardt On Byrd's Staff

Comdr. Charles O. Reinhardt, Kappa '34, was senior staff civil engineer with Commander Byrd's expedition to the South Pole. As officer in charge

and airfield construction, he found of unloading, transportation and base one of his first jobs—that of supervising the building of a steel-mat airfield landing strip, which was given top priority in shore operations.

Formerly with the U. S. Waterways Experiment station at Vicksburg, Miss., and the Illinois Water survey in Urbana. Commander Reinhardt entered the naval reserve as a lieutenant (j.g.) in May, 1940, went on active duty the following November. His stay in the warm climate of the South Pacific—specifically on the island of Bora-Bora 125 miles northeast of Tahiti—lasted two years, during which time he was advanced to lieutenant commander. After his return to the states he was assigned to the advanced base proving ground, Davisville, R. I., as personnel officer, and later proving ground officer, until he went on terminal leave in October, 1945. Before the war started he was stationed at Baltimore, Maryland, with the San Juan, P. R., construction officer.

Illinois Alumni Magazine

George Shue Works on Giant Planes

Dr. George L. Shue, Honorary Psi, for many years professor of physics and mathematics at Montana School of Mines, has received national recognition for his ability as a physicist, with his appointment to the post of chief of aerodynamics at the new naval ordnance laboratory at Anacostia, Maryland.

Dr. Shue left the "Mines" at the

start of the war to work in the physics laboratory and research department of the Consolidated Aircraft Corp. in California. While he was in this work Consolidated produced the B-24, known during the war as the Liberator, and has just completed the XB36, the world's largest bomber which will carry 30 tons of bombs to any point in the world and return. This plane has a wing span of 236 feet and is 163 feet long. Dr. Shue also worked on the details of the new 240 convoy, a new high speed 40-passenger liner.

In his work on these planes Dr. Shue followed his deep interest in aviation which started years ago when he made up a chart which provided a handy reference to determine the dew-point. This is essential at all airports and is widely used. When the war started and the primary pilot training began in Butte, at the Fox flying school, Dr. Shue was in charge of the ground school work and also learned to fly.

The degree of master of science in chemical engineering was conferred upon Dr. Shue by the Colorado School of Mines, and in 1930 he received his doctorate from the University of Southern California.

A. V. Weibel Advances

Arthur V. Wiebel, Nu '28, has been appointed vice president in charge of operations of the Tennessee Coal, Iron and Railroad Co. with head-quarters in Birmingham, Alabama.

Brother Wiebel went to Birmingham recently from Pittsburgh where he was assistant to the vice president in engineering and operations of the United States Steel Corporation of Delaware.

In 1933 he joined U. S. Steel as an estimator in the Engineering Department of the Carnegie-Illinois Corporation's Youngstown, Ohio, plant. After occupying positions of responsibility in engineering and operations, he became chief engineer for the corporation in the Pittsburgh District in 1940, later the same year was promoted to assistant vice president in engineering and operations of the Corporation of Delaware.

During the War Brother Wiebel served as an executive consultant to the director of the Steel Division of the War Production Board.

Carnegie Alumnus

Neville Gets Lincoln's $1700 Award

Robert J. Neville, Delta '38, is the author of the paper which won the third Functional Machinery Classification Award of $1,700 in the $200,000 Design-for-Progress Program sponsored by The James F. Lincoln Arc Welding Foundation. He has been with the Electric Controller and Manufacturing Company in Cleveland for nine years and is superintendent of the plant. Brother Neville attended Case Institute of Technology where he was active in class activities. He was Editor of Case Yearbook; president of his class; Case Honor Key Man and wrestling captain. Brother Neville lives at 3045 Warrington Road, Shaker Heights, Ohio.

Professor M. I. Signer Named Dean

M. I. Signer, Iota '23, head of the department of mining, has been named dean of the faculty of the Colorado School of Mines. He has been head of the department of mining engineering since 1943, and since 1929 has been a member of the faculty of that department. Before entering the teaching field he had been engineer for the state highway department of Illinois and engineer for the Original Mining and Milling Co. of California. Dean Signer is well-known in mining and other mineral engineering circles, and is a member of several professional societies. Recently he was elected vice president of the National Collegiate Athletic Association, and is president of the Rocky Mountain Athletic Conference.

W. M. James, RCA's New Manager

RCA's new manager of receiving tube engineering is Wallace M. James, Zeta '25. This important promotion marks the fifth step-up since joining the company in 1930. His position before taking over as manager was that of supervisor of receiving tube development.

The Graduate Magazine

Nelden Wins $3200 Prize

Among the winners of the 467 awards in the $200,000 Design-For-Progress Program sponsored by The James F. Lincoln Arc Welding Foundation is Richard M. Nelden, Lambda '36. He is the author of the paper winning the first Personal Service Machinery Classification Award of $3,200. He has been with the American Blower Corporation in Detroit for ten years and is Supervisor of Research in their Fluid Drive Section. This work involves the research and development of fluid drives and bearings and the supervision of field tests and service. Previous to his connection with this firm, he surveyed for the Utah State Road Commission. He is a member of the American Society of Mechanical Engineers and has served as Vice Chairman of that organization. The Neldons live at 18451 Rutherford Street, Detroit, Michigan.

Lt. George W. Terry Awarded British Military Cross

One of only 46 Americans to be thus honored, Lt. George W. Terry, Tau '42, in December 1946 was awarded the British Military Cross at ceremonies in the British embassy in Washington. During his four years in service he was wounded five times, earned three Silver Stars, four Bronze Stars, the Distinguished Service Cross, and the Infantryman's Combat Badge. July 1946 he reenlisted and is now stationed at Ft. Knox, Kentucky. On July 29, 1946 he was married to Shirley Lee Robinson of Binghampton, N. Y. The citation accompanying the Military Cross reads "On February 23, 1945, during an advance in darkness by his company through dense woods near Selhausen, Germany, Lieutenant Terry, the executive officer, assumed command of elements of the company when one of the other officers was wounded by a booby-trap. Taking a position at the head of the group, he courageously led them forward. Constantly in danger of anti-personnel mines, which he could not detect in the darkness, as well as the hazards of a booby-trapped area, he disregarded all personal dangers and led his force through the danger area with a minimum of casualties. Lieutenant Terry's great courage and unfaltering leadership enabled his company to launch its attack as scheduled." Lt. and Mrs. Terry can be addressed at Colonial Hill, c/o Tibbetts, RD No. 4, Elizabethtown, Kentucky.

Syracuse Alumni News

T. W. Plante Named Superintendent

The appointment of T. W. Plante, Nu '23, as superintendent of the Eliza department of its Pittsburgh Works was announced by Jones & Laughlin Steel Corporation.

Brother Plante has been superintendent of blast furnaces, coke works and docks at the Otis Works in Cleveland since 1943. He joined J & L in 1923 starting in the Eliza blast furnace department, and in 1929 was made assistant superintendent of that department.

Carnegie Alumnus

P. F. George takes $1500 Arc Welding Prize

Author of the paper winning the 3rd Research and Education Classification Award of $1,100 in the $200,000 Design-For-Progress Program sponsored by The James F. Lincoln Arc Welding Foundation is P. F. George. He has been with The Dow Chemical Company in Midland for thirteen years and is a Metallurgist doing research on magnesium and its alloys. Since being with The Dow Chemical Company, he has worked as analytical chemist, materials engineer, and metallographer. Brother George has written a number of articles on Magnesium metallography, which have been published. He also received a special award for a series of views and first prize in light metals classification for photomicrographs in the Metallographic Exhibit of the National Metal Congress held in Atlantic City in 1946. Brother George attended Michigan College of Mining and Technology and was graduated from there in 1932 with a Bachelor of Science degree in Chemical Engineering. His home is at 810 State Street, Midland, Michigan.

Charles Luckman in the News

Hardly a year goes by but the GEAR has an account of the doings of Charles Luckman, Kappa '30, who has had a spectacular rise in the business world. His accession to the presidency of Lever Brothers was noted last fall. Now, however, he is again newsworthy because of his public service as chairman of the President's 26-man Citizens Food Committee. Obviously, Brother Luckman was well aware of the difficulties and problems to which he would fall heir in accepting the appointment. Neverthless, he cheerfully accepted this rather thankless task and has made good on the U. S. guarantees of food to Europe.

What was that we heard about engineers being indifferent to public problems?

C. L Graverson Becomes Instructor

Brother Curtis L. Graverson, Omega '43, has assumed the position formerly held by Mr. Ralph Smith as an instructor in Metallurgy at the South Dakota School of Mines. After graduation he was engaged as a metallurgical engineer for General Motors, doing metallurgical and physical testing work as well as special assignments, until October 1945. He received his Master's degree in 1946 from the University of Utah.

According to the tale, the professor in a college in Scotland was giving a demonstration of the properties of various acids.

"Now," he said, "I am going to drop this two-shilling piece into this glass of acid. Will it dissolve?"

"No, sir," replied one of the students.

"No?" said the demonstrator. "Then perhaps you will explain to the class why it won't dissolve?"

"Because," came the answer, "If it would you wouldn't drop it in."

Little Woman (anxiously watching her husband repair lamp plug): "Careful, dear, there may be some electricity left in it."

Willie: "Paw, what is discretion?"
Father: "It's something, son, that comes to a man after he's too old for it to do him any good."

Old Maid: "I've just been reading some statistics. Do you know that every time my watch ticks a good man dies?"
Other Old Maid: "For goodness sake, let it run down."

Prospective father-in-law: "Young man, are you sure you can support a family?"
Bridegroom-to-be: "Well, no, sir. I was just planning to support your daughter, the rest of you will have to shift for yourselves."

First farmer: "I see, 'cordin' to the paper, your boy at M.S.C. is a very fast runner. It says he 'fairly burnedup' the track during the race yesterday. I suppose you was there, and saw him do it."
Second Farmer: "Well, I was there all right, but got there too late to see the race. However, I did see the track, and there was nothin' but cinders."

Letters to the Editors

Lost Nation, Iowa
June 16, 1947

Dear Brothers Howe and Mercer:

Back in the good old U.S.A. for the first time since April, 1941. Left Rio de Janeiro on May 1 arriving in New York by Pan American Clipper on May 6, luckily we had a through reservation to Chicago via American Airlines and it just happened to be on a new DC-6—some ship.

Since our arrival we have been visiting my folks here, Mrs. Burleson's family in Spearfish, S. D., friends in Rapid City and at South Dakota School of Mines and Technology, and finally (last week) we left our older boy at Shriner's Hospital for Crippled Children, Minneapolis, to have some more treatment of his club feet. Naturally we had to do our visiting before that last stop, because both sets of grandparents wanted to see Billy 1, together with his brother Lynn. Lynn Tevis Burleson was born in Rio de Janeiro on January 28, 1941, so this was his first showing in the States. Also, Lynn arrived on my birthday so I'm not going to have any more. Maybe that will be the answer to the age-old quest for a way to stay young.

Since September 1941, when I resigned (in Brazil) from the FEA, I was working in the office of a general importing firm in Rio, as some kind of an "asst. to the mgr." (not asst. mgr) technical consultant, glorified office boy, what-have-you. The general idea was to obtain some importing experience which might conceivably help towards finding a good export job in the States. We would rather like to return to Brazil again for two or three years more, but if "something good" appears as an offer now, we will stay immediately.

Clean, wholesome milk, tasty vegetables, appetizing meat, and nice clothes are among the items we are appreciating so while heartedly. And when anyone starts griping about the high prices here in the States, we can certainly shout them down with examples of higher—much higher—prices taken from our day-to-day accounting in Rio. Prices are high here, but even so one stands a better chance of receiving his money's worth in the States. And that is true despite the currently lower quality of merchandise in the States!

We leave here this evening for a 10-day trip East, our first trip together without the children. We are referring to it as our honeymoon inasmuch as we never had one in Honduras, where we were married.

Until we have a better address please send the GEAR to me in care of Mrs. Fred Myatt, Lost Nation, Iowa. Unfortunately I missed most of the copies during the war, mainly because I didn't keep you posted on address changes, so perhaps from now on I can do better. Honestly, after so much paper work, memo writing, etc. during my stay with FEA, I practically stopped writing letters.

Hope I can find time some day soon to visit you. If we stay in the Midwest maybe we can see you this fall during the football season!

Yours in H & T,
Will A. Burleson, Omega '37

Glad to have you back in the fold, Brother Burleson. We have the welcome mat out in case you get to Iowa City.

Parsons, Kansas
May 29, 1947

Dears Brothers-in-law:

Guess I can say that—I married one of your brothers. For years I've wondered—what, no Theta Tottie's or Ann's? But this is for an address change not women's rights.

The Gear arrived today to remind me that others should be notified—my typewriter just went out with 3,680 more pounds of freight including furniture for a house—size and dimensions unknown——kerosine stove and kerosine refrigerator, baby food, soap, tissue paper (all kinds), paper towels, hair pins, shaving cream, and anything else you can think of for a year; therefore, you try to read my printing.

It's, the freight, on its way to Brazil. Yes, Herman left here February 22, 1947, for a week's orientation in Washington, D. C. before going on to Belem, Brazil, in the sanitation division of the Institute of Inter-American Affairs. They're going to make Americans of those Americans down there. The latest Newsletter of that division says:

"Mr. Herman Janzen left Washington on February 28, to join the staff of the Health and Sanitation Field party in Belem as a sanitary engineer. Mr. Janzen comes to the Institute of Inter-American Affairs from the Kansas Board of Health. He holds a B.S. in Civil and Sanitary Engineering from the University of Kansas. He graduated in 1939 and spent the next four and a half years on construction projects for Phillips Petroleum, TVA, and Black and Veach. Mrs. Janzen and the three children will join him in Brazil after the close of the school year."

Accompanying the article was a very domestic picture of Herman with Sue, 1½, Frank, 4, and Bill, 3 months, on his lap, reading bedtime stories. We really had to wait till Bill was 6 months old before we could leave. Thank goodness, we're still getting ready. The first shipment sent out was 711 pounds. We can take 165 pounds on the plane June 18.

Herman says you can't bring too much of anything to Brazil. When I suggested bringing a home pasteurizer, he replied there wasn't much milk there and what there was, wasn't fit for pasteurization.

He spent two weeks in March in Boa Vista, a town of 2,500, looking over the possibilities of a sewer system. Before he left, he read that Belem had a population of 200,000. He writes that they have to put chlorine tablets in the water to drink it. He tells me to bring no slacks, shorts, or bare midriffs—they aren't allowed. They have to wear shoes and coats in the hotel dining room. The electricity is supposed to be 110 volts. In the evenings it goes down to 11 and gradually gets up to 60 by midnight. It seldom gets above 80 or 90 degrees. There's a spot for an electrical fellow! Know where I can get any 80 volt bulbs?

Herman is on the Governing Board of the "Para Community Society"—which reminds me, I nearly forgot, his address is: c/o American Consulate, Belem, Para, Brazil.

For Herman I will say,

Yours in H & T,
Frances Janzen

Best of luck to you and yours, Mrs. Janzen. And may we add that you write the most *interesting* address changes!

Hillsboro, Oregon
Box 199

Dear Brother Howe:

It was a glad day indeed when Mom forwarded *The Gear* to me out here beyond the active association of the brothers. Like everyone else, the moving around on jobs and in the service caused us to lose contact with the "head office," but not with the brothers we knew and thought so much of. In wandering about these United States, I have met and made many new enjoyable acquaintances but none will ever replace or surpass those made at Iota chapter and throughout my years with the fraternity.

It was grand to know that the national convention had been held this year, and I am anxious to know the results of that convention. I well remember the last one held in St. Louis in December 1941 and what an inpiration it was to know the grand officers and men.

Knowing that many others will enjoy the *Gear* as well as I, I am enclosing as many recent addresses as I have on hand and hope that they will assist you in the next mailing. James A. Nesstander, Iota '43, Edna Bay, Alaska; William M. Thayer, Iota '42, American Zinc Co. of Tennessee, Mascot, Tennessee; and Walby King, Iota '42, R.R. 1, Centerville Station, Illinois.

Yours in H & T,
Robert L. Stowell, Iota '42

Thanks for the information about yourself and others, Brother Stowell. We are sure you enjoyed the last issue containing an account of the Convention in Louisville. Let us know when you move again.

---

44 Washington Avenue
Gibbstown, New Jersey
October 31, 1947

Dear Brother Editor:

Best wishes for a very gruesome Halloween.

I've been intending to send you my mailing address for sometime but never seemed to find the few necessary spare minutes.

After 42 months in the Infantry, I returned to North Carolina State last September and by the end of summer school, in August, I managed to complete the requirements for my B. S. in Chemical Engineering.

After a month's vacation, I came here to Gibbstown where I am employed as a chemical engineer by E. I. DuPont de Nemours & Co. at their Repauno Explosive Works. My location here is only temporary because my work is still in the training course stage. However, in three or four months I will get a somewhat more permanent assignment at one

of sight of the company's explosive plants.

For this reason I'm giving my home address in Baltimore as my mailing address. You will notice that this address has been changed from Henderson, North Carolina to 3414 Powhatan Avenue, Baltimore. My family moved there this past spring.

When I say family, I still mean the parental type because I'm still single and at present I have no prospects of an early change.

I have run into several brothers here: Al Wester, Rho '40, and Kenneth Betts, Rho '41. They are both employed by the company at this plant and both are married. Incidentally, Ken and wife just engineered a new member of their family, a boy, born early this month.

I'm looking forward to the fall issue of the GEAR just as I have looked forward to all the past issues.

Yours in H & T,
STANLEY A. TEISER,
Rho '44

Thanks for the news and Halloween wishes, Brother Teiser. May we reciprocate by wishing you *happy landings*?

3132 Fairfield Ave.,
Fort Wayne, Indiana
October 18, 1947

Dear Brothers Howe and Mercer:

Enclosed herewith is my new address. I am at present working in the Rotational Engineering Training Program for General Electric Co. so my present address is only temporary. I can already appreciate the value of keeping in touch with Theta Tau alumni. Since I have been here in Ft. Wayne I have met the following: Leon Hershorn, Upsilon '31, Robert Winner, Phi '47, Harry Schwartz, Phi '47, Max Shambaugh, Phi '47, Warren Miller, Phi '42, and E. M. Stanbery, Sigma '30. Several of us had a swell time getting acquainted at a steak dinner on Founders' Day.

How much postage is necessary for you to forward me the issues of the *Gear*?

Yours in H & T,
Hodge J. Vineyard, Phi '47

We pay the freight, Brother Vineyard, if you furnish the address.

1128 N. Kenmore Avenue
Los Angeles 27, California
November 3, 1947

Dear Brother Howe:

I do not believe I have ever received the GEAR and would like to do so beginning with the current issue. What have I left undone that I *should* have *done*? My chapter is Epsilon, my class '24, and my serial number 204. I will be glad to remit whatever subscription charge or dues that are required.

Yours in H & T,
JAMES B. CHAMBERLAIN

Theta Taus initiated after 1930 paid a higher initiation fee than formerly and in return receive the GEAR as long as we have their mailing addresses. Others may subscribe at the following rates: one year, $1.00; two years, $1.75; three years, $2.50; five years, $4.00; life, $15.00.

In Memoriam

John Myers Benson, Beta '41, met death by drowning in Conewago Creek, Adams County, Pennsylvania, on July 28, 1946. An excellent swimmer he was seized by cramps while swimming in the evening and drowned before he could be rescued. He was born in 1911 in Virginia, Minnesota, the son of Anthony F. Benson, Beta '03, and one of the founders of the Rhombohedron Club which became Beta chapter of Theta Tau in 1906. He graduated as a mining engineer from Michigan College of Mines & Technology in 1941, and immediately after graduation took the loop training course of the Bethlehem Steel Co. and was employed at the Bethlehem Quarry at Hanover, Pa. During the last two years of his life he was a foreman there. Surviving are his parents, one brother, and his widow, Mrs. Marjorie Benson, and three children the youngest of which was born after his death. All are living in Virginia, Minnesota.

Bruce Edwin Wells, Zeta '47, was instantly killed in the explosion of the first ship at Texas City, April 11, 1947. He served three years with the Navy in the South Pacific and after being released from the service returned to Kansas to complete his education as a chemical engineer. He graduated in February 1947 and very shortly thereafter entered the employ of the Monsanto Chemical Co. His tragic death was a shock to the active chapter and all of his friends. He was the son of Elbridge J. Wells, of Marsland, Nebr. The sympathy of the fraternity is extended to his family at the untimely death of this promising young engineer and loyal Theta Tau.

Walter Samuel Olson, Alpha '12, age 57, died suddenly on October 11, 1947. He was born in St. Paul on August 8, 1890, and graduated as a mining engineer at the University of Minnesota in 1912. After graduation he worked for a while as a miner in the Grey Rock mine in Butte and then operated a cyanide plant at Mariposa, California. In 1916, he was with a mining company at Frawley, Colorado. In January 1917, he joined the army, and was a 2nd Lieutenant, C.W.S. In 1919 he joined the Commission of Drainage & Water of the State of Minnesota and remained in that department until 1931. At the time of his death he was director Division of Border Resources of the Department of Conservation of the State of Minnesota. He was a member of the A.S.C.E. On February 23, 1928, he was married to Miss Beda T. Hultkrans of St. Paul, who with his children, Donald L. and Jean C. survive him. The family home was at 1619 Juno Avenue, St. Paul 1.

Theodore D. Benjovsky, Gamma '09, charter member of Gamma, died after a short illness in Denver, Colorado, on August 19, 1947. He was born in Leaville, Colorado, the son of Theophile Benjovsky, a mine owner and operator there, and in his youth worked in the mines there during vacations. He graduated from the Colorado School of Mines as a mining engineer in 1909. Since that time he has been a mining engineer and manager in Colorado, Utah, Nevada, and New Mexico. He did extensive field work for the St. Louis Smelting & Refining Co. in the western United States and Mexico. In 1919 he established his own business as a mining engineer with headquarters in Salida, Colorado and continued this throughout his lifetime. During the last twelve years he has spent most of his life in New Mexico where he managed mining and milling operations at Central in Grant County. At the time of his death he was the head of the Mineral Department of the New Mexico State Bureau of Mines with headquarters in Socorro. Several years ago he founded the New Mexico Miners & Prospectors Association and represented the State of New Mexico at the meeting of the State Mining Boards of the western states in San Francisco in 1944 and renewed his long standing friendship with the Grand Scribe whom he knew while a student. He is survived by his wife Victoria C. Benjovsky of Salida, Colorado, a son, Victor, now a midshipman at the U. S. Naval Academy, and a sister, Mrs. Helen Koehler of Los Angeles. His other son, T. D. Benjovsky Jr., was killed early in World War II while serving in the air corps.

Frank Condor Ziglar, Rho '18, Major U. S. Air Force, was killed in an airplane crash at Wright Field, Dayton, Ohio, on Friday, July 11, 1947. He had served in the army air corps for seven years having been called to duty on July 1, 1938, just after he graduated. He spent two years in the Canal Zone and two years in the European theater during which time he flew 16 missions as a fighter pilot. Since September 1941 he had been stationed with the Equipment Laboratory, Engineering Division, Air Material Command, at Wright Field. At the time of his death he was attending Ohio State University working on his master's degree. Surviving are his wife, the former Verdie Stallings of Raleigh, two sons, Frank C. and Paul Ziglar, his mother, Mrs. L. F. Ziglar of Charlotte, N. C., and one sister also living in Charlotte. Funeral services were held on Tuesday morning, July 15, at the First Presbyterian church in Charlotte and burial services were held in Raleigh late that afternoon.

Stanley Merton Hayes, Iota '22, died on February 27, 1947, of a stroke. He was stricken on his way home from work and taken to the Detroit Receiving Hospital where he died shortly after arrival. He had suffered from high blood pressure for some time. Originally from Wellsville, Missouri, he went to Oklahoma shortly after graduation and was in Okmulgee for some time. During the last war he was engineer in the engineering division of the Reconstruction Finance Corp. and at the time of his death was attached to the Detroit, Michigan, office. His widow, Mrs. Nancy Hayes, lives at 4404 St. John Avenue, Kansas City, Missouri.

John Francis Byrne, Lambda '21, was among the 55 passengers killed in the crash of an Eastern Airlines plane on May 10, 1947 near Port Deposit, Maryland. He was enroute to Chile where he was to set up a new plant for his company. Brother Byrne was born in Chicago on January 31, 1899, and attended the University of Pittsburgh before going to Utah. He was initiated by Lambda chapter on December 3, 1920, and graduated in 1921 with a B. S. in metallurgical engineering. He received an M. S. in metallurgy at the Carnegie Institute of Technology in 1922. He then joined the staff of the United States Bureau of Mines and in 1923 began his associations with the Kopppers United Co. in their research department. In 1941 he was made general manager of the blast furnace division of the company. At the time of his death he was also Vice-President of the company making his headquarters in Granite City, Illinois. He made a place of consequence for himself

among metallurgists, now ended by his tragic and untimely death. The family home was at 4945 Lindell Blvd., St. Louis, Missouri. Surviving is his mother, Mrs. Agnes T. Byrne, now living at 619 Washington Blvd., Oak Park, Illinois.

William Elgin Wickenden, Hon. Delta, age 64, died suddenly in the Monadnock hospital in Peterboro, New Hampshire near the family summer home in Jeffrey, N. H. as the result of a heart attack suffered some days previous, only a few hours after he had retired as president of Case, on September 1, 1947.

He was born in Toledo, Ohio, on December 24, 1882, the son of Thomas R. and Ida (Contaul) Case. He received a B. S. from Denison University in 1904, and then went to the University of Wisconsin for graduate work, and on September 2, 1908, was married to Miss Marion S. Lamb. From 1909 until 1914 he was an assistant professor at Wisconsin and was associate professor there from 1914 to 1918 when he resigned to become personnel manager for the Western Electric Co. until 1921 when he was made Vice President of A.T. & T. From 1923 until 1929 he was Director of Investigation of the Society for the Promotion of Engineering Education. From 1929 to 1947 he was president of the Case Institute of Technology and under his direction this has become one of the outstanding technical colleges of the country. He was president of the S.P.E.E. in 1933-34 and received the Lamme Medal in 1933. He was president of the A.I.E.E. in 1945-46. He was the author of so many technical articles and had received so many high honors that it required five pages in a booklet issued by one of the engineering societies of which he was a fellow to list them all. Eleven colleges conferred doctor's degrees on him. In great demand at all meetings he once said that he averaged 121 speaking engagements a year. He believed that an engineering education was more than mathematics and formulas. To him engineering education was teaching leadership in the profession. He wanted to bring Case closer to the members of all the engineering branches so he started a conference at the college between the members of the faculty and the practicing engineers to exchange information, and also started research work which has become so important in the industries.

Funeral services were held in the Congregational Church at Jeffrey, New Hampshire, on September 2, 1947, and were conducted by Dr. Seeley Bixler, president of Colby College, and Dr. Arthur Bradford of Providence, Rhode Island. Cremation was in Cambridge, Massachusetts.

The family home was at 2330 Fairmont Road, Cleveland Heights, Ohio. Surviving are his wife, his son, William C. of Worcester, Mass., and a daughter, Mrs. Arthur Gold-

smith of Washington, three brothers and four sisters. Dr. Wickenden was also a member of Phi Beta Kappa, Sigma Xi, and Tau Beta Pi, scholastic honor societies. He was a fine type of Theta Tau who believed in and taught all those things that the fraternity teaches its members. A few years ago he delivered an address at the University of Toronto, "The Second Mile" of which more than 25,000 copies have been distributed by the S.P.E.E. It is fitting that this notice end with his introduction to that address. "Whosoever shall compel thee to go one mile—go with him twain. You will recognize this text from the Sermon on the Mount as a counsel of perfection. Every calling has its mile of compulsion, its round of tasks and duties, its code of man-to-man relations, which one must traverse day by day if he is to survive. Beyond that lies the mile of voluntary effort, where men strive for special excellence, seek self-expression more than material gain, and give that unrequited margin of service to the common good which alone can invest work with a wide and enduring significance. The best fun of life and most of its durable satisfactions lie in this second mile, and it is only here that a calling can attain to the dignity and distinction of a profession."

Harry Howard Hopkins, Beta '16, died suddenly of a heart attack on April 21, 1946. After leaving Houghton he joined the army and was a second lieutenant in the infantry during the first World War. He did not return to college but entered business in Flint, Michigan and at the time of his death was the owner of the firm Harry H. Hopkins, manufacturing jewelers and engravers, 119 S. Saginaw Street. He always kept in touch with Theta Tau and corresponded at intervals with the Grand Scribe. The family home is at 732 Church Street, Flint, and his widow, Mrs. Emma G. Hopkins, is carrying on the business of the firm he established. Surviving also are two children Harry Jr., who is attending a private school in Ashville, N. C., and a daughter, Jean, who is attending Michigan State.

Clarence Grady Collins, Mu '21, died of pneumonia in Washington, D. C. on February 4, 1943. He was born in Warrior, Alabama on March 10, 1897, and after high school education entered the Georgia School of Technology of Alabama. After a few years he transferred to the University of Alabama, and graduated as a mining engineer in 1921. After graduation he entered the employ of the Moss & McCormack Co. in Warrior, Alabama, and remained with them until about April 1941, when he went to Washington D. C. to take government employment. At the time of his death he was a Cost Accountant, Fuel Division, Office of Price Administration in Washington. He is survived by his widow, Mrs. C. G. Collins, 1722 19th St., NW, Washington, D. C., and a son, Clarence Grady Jr., 1st Lt., U.S.A. with the Army of Occupation in Germany.

Albert Carl Minetti, Nu '24, died of a heart attack at the Magee Hospital in Pittsburgh on November 9, 1946. He had attended the Carnegie Tech-Case game at Forbes Field and led the students in a cheer. A little later he complained of dizziness and was rushed to the hospital where he died soon afterwards. During his student days he was known to all Carnegie alumni as the leading cheerleader. He was born in Pittsburgh on July 16, 1902, the son of Mr. and Mrs. Ralph Minetti, 44 South 22nd St., Pittsburgh, Pa. After receiving his B.S. in Civil Engineering he joined the staff of the U. S. Engineers and at the time of his death was an engineering designer for them in Pittsburgh, having held that position since 1938, and was secretary of the Pittsburgh Branch of the Society of Military Engineers. His wife, Mary Mitchell Minetti, 2233 Spokane Avenue, Pittsburgh, Pa., his parents, a daughter Maureen, and four sisters survive him.

Judson Davis Albright Jr., Rho '21, died suddenly while enroute to Florida, on October 27, 1938. He was the son of the late Judson Davis Albright, broker and postmaster of Charlotte, N. C., and Belle Cline Albright, Selwyn Hotel, Charlotte. Brother Albright was born in Charlotte on July 1, 1900. He graduated as a chemical engineer in 1921. While in college he helped organize and was the secretary of Alpha Sigma Epsilon, local professional engineering fraternity, and from 1920 until the time of his graduation conducted all of the correspondence with Theta Tau in connection with their proposed petition for a charter, which was granted at the 1923 Biennial Convention. Subsequently he was initiated for Rho by Theta chapter on March 26, 1924. After graduation he became a chemical engineer for the U. S. Treasury department in New York. From 1924 until 1936 he was in charge of the Southeastern District, from 1936 until the time of his death he was with Commercial Solvents Corp. He was a member of the Masonic Order. His mother and several brothers survive. He was also a Captain in the Chemical Warfare Reserve Corps.

Robert Jess Smith, Psi '35, aged 48, died suddenly at his home on Sunday, February 9, 1947, in Great Falls, Montana. He had not

previously been ill. He was born in Minneapolis on January 27, 1899, the son of Mr. and Mrs. James W. Smith and came to Great Falls with his parents in 1904. While a student in high school he enlisted in the Navy in 1917 serving two years during World War I. Resuming his high school work he graduated in 1919. In 1923 he was with the ACM Co. in Great Falls and in 1927 was transferred to the new plant in Anaconda where he remained until he entered the Montana School of Mines from which he graduated as a metallurgical engineer in 1933. He was then made assistant superintendent of the zinc plant in Anaconda. In 1936 he returned to Great Falls and entered the research department at the smelter. In 1943 he was made assistant superintendent of the electrolitic zinc plant and held that position at the time of his untimely death. In June 1924 he was married to Marjorie B. Swain of Great Falls. In addition to his widow he is survived by four daughters, his mother, his brother, George W. of Los Angeles and a sister, Mrs. A. W. Deal of Lewistown, Montana. He was a member of the A.I.M.E. and of Euclid Lodge No. 18, F. & A.M.

Edgar Wilson Worth Jr., Rho '29, died in his sleep in Montpelier, Vermont, on April 8, 1947. He graduated from North Carolina State as a mechanical engineer in 1929 and then completed a graduate student training course at Allis-Chalmers Mfg. Co. in Milwaukee. In 1932 he went to work for the Coca Cola Co. at their Atlantic City plant and then moved to the plant in Brookline, Massachusetts. He remained with that company until May 1946 when he suffered a heart attack and was in the hospital for some time. After regaining some measure of health he supervised improvement in the Pepsi-Cola plant in Montpelier. He spent Easter Sunday with his family and then left to go to his plant and was believed to be in good health again. The next Tuesday he went to bed and in the morning his landlady discovered that he had died in the night. Funeral services were held in Boston and he was buried there. He was the son of the late E. W. Worth and Mrs. E. W. Worth of Raleigh, N. C. Surviving are his mother and his wife, Arlene, of 8 Lafayette Circle, Wellesley, Mass., and five brothers among whom is Eugene B., Rho '30. He was also a member of Tau Beta Pi.

John Belton Sparling, Phi '41, lieutenant, Air corps, U. S. Marine Corps Reserve, was killed in a crash at sea off the east coast of America on December 12, 1944. Born in Kokomo, Ind., on October 4, 1923, he entered Purdue after graduating from high school to study Civil Engineering. He was initiated by Phi on November 18, 1942, and left college shortly thereafter to join the Marine Air Corps. He was the son of Mr. and Mrs. Geo. H. Sparling, 1611 Forest Park Blvd., Ft. Wayne, Indiana.

James Anthony Logan, Phi '44, lieutenant, U. S. Artillery 2nd Division, was killed in action during the battle of the Bulge in Belgium on January 16, 1945. He was acting as a forward observer for the battery at the time. Born on September 19, 1922, in Gary, Indiana, he attended Indiana Extension in East Chicago before coming to Purdue to study mechanical engineering. He was initiated by Phi on April 27, 1941 and was the son of Mr. and Mrs. Anthony N. Logan, 700 Adams Street, Gary, Ind.

Thomas O'Kelley Smith, Rho '16, aged 30, died of a heart attack in College Park, Maryland, on June 22, 1946, while on duty as a Naval Inspector for the Aircraft Landing Corporation. A native of Apex, North Carolina, he graduated as an electrical engineer in 1936, and was first employed as a radio engineer at Station WEED in Rocky Mt., N. C. He left there to go with the Aircraft Landing Corp. at College Park where he was an inspector for the navy of radios and bombers. In October, 1941, he was married to Miss Rebecca Pittman then of Raleigh, N. C. A daughter, Frances, was born to them January 9, 1946, a few months before his death. Suffering from a weak heart and an injury to his throat since early childhood, and being unable to join the armed forces, he was overworked during the war, and his untimely death was due largely to this strain. He is survived by his mother, Mrs. Eleanor C. Smith, 127 North Wilmington St., Raleigh, N. C., his widow, teaching a kindergarten in Hyattsville, Maryland, and his little daughter. His classmate Samuel Robert Watson, Rho '34, wrote this mother that no man ever had a better friend. What more can be said by one Theta Tau about a brother? Brother Smith was the delegate from Rho to the 1931 Convention of Theta Tau.

James Mather, Lambda '28, age 40, died suddenly at his home in Chicago on October 6, 1947. He was born August 7, 1907 in Smithfield, Utah and graduated as a civil engineer from the University of Utah in 1928. He was the delegate from Lambda to the 1927 Convention in Chicago. After graduation he entered the employ of the Standard Oil Co. of Indiana and at the time of his death was design engineer for that company at Whiting, Indiana. During the war he had served as an engineer on the atom bomb project. Funeral

services were held on October 7, at the Doty Funeral Home with the Rev. F. H. Kleihauser officiating. Interment was in the Sandy City cemetery in Salt Lake City. Surviving are his wife, Vanda, three children, James J., Janet, and Jean, and five brothers and three sisters all living in Utah. He was a member of Phi Kappa Phi. The family home was at 10437 Wallace in Chicago, Illinois.

Alvin Lee Barnett, Zeta '40, was instantly killed in a glider crash at Cheyenne, Wyoming, on April 26, 1947. He and a group of other employees of the United Air Lines had organized a glider club and had been flying since the spring of 1946. On April 26th Alvin took up a beginning student and after a time the glider went into a spin and crashed. He graduated from the University of Kansas as an electrical engineer and after graduation went to work for RCA in Camden, New Jersey and Bloomington, Indiana and continued with them until 1941 when he enlisted in the air-force and served three years during the war. One year was spent in Italy as a 1st. Lieutenant with the 15th Air Force as a senior pilot of a B-17. He returned home in 1945 and was discharged in September. In October 1945 he was married to Maxine LaVerne Cook of San Antonio, Texas, and in December 1945 went to work for United Air Lines in Cheyenne as a methods analyst. His daughter, Doris Kay, was born in January 1947. His widow and daughter are at present living with relatives at 179 Loula, Olathe, Barnett, Zeta '38, also with United Air Lines and living at 19 11th Avenue, San Mateo, California.

The GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

P. L. Mercer, Omicron '21 and J. W. Howe, Omicron '24
Editors

210 ENGINEERING HALL — IOWA CITY, IOWA

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REGIONAL MEETINGS

During the war years, we, in common with other organizations, found it necessary to suspend such activities as National Conventions and Regional Meetings. Last winter our first post-war convention was held in Louisville, Kentucky. It thoroughly demonstrated the value as well as the popularity of such events by being our largest and best attended convention in history. The inspiration of that meeting extended into every active chapter through its members and Advisers who were there, and to a less extent to our graduate chapters represented.

Now it is time for us to return to our regional meetings as another rich source of mutual benefit and pleasure. These gatherings can usually be generously attended by members of the participating chapters as geography is less of a problem than on the national scale of a convention. Then too, the different type of business conducted, is of more general interest than the rather formal work of a convention. In these sessions, we get down to the brass tacks of chapter operations and everyday problems. The discussions and exchange of ideas which they permit are of inestimable value and apparently can be accomplished in no other way.

The "Fraternal bond" within all of us is surely strengthened and stimulated by the friendly associations of such assemblies. Not all the time should be used in conferences and business sessions for we well know that all work and no play is not a good design for modern living. The festive board and the sparkle of informal stag or mixed parties can contribute their full share of enjoyment and mutual understanding to the successful regional meeting.

Doubtless a series of these meetings will be scheduled and held this year. Let them be well planned and well conducted. Then, if they are well attended, they will be quite worth while and thoroughly enjoyed.

NUMBERS

It is apparent from the chapter letters that throughout the fraternity pledges and members are unusually numerous; this condition has prevailed for the past two years. The reasons for this situation are not hard to find. College enrollments are far beyond prewar figures. Before the war

there were approximately 100,000 engineering students in this country; now the number exceeds 300,000. Thus, the chapters have many more to choose from and can maintain large groups without lowering standards. Secondly, many chapters had unexpected numbers of alumni return, sometimes nearly as many as there were members on campus. In such situations the chapters had no choice but to ask for permission to increase the chapter size. Not to have done so would have meant denying membership to regular members of the fraternity. Thirdly, we are in a period of prosperity when everyone seems to be able to lay his hands on enough money to do the things he wants to do. Hence, some who formerly might not have joined a fraternity for financial reasons now do not hesitate on this account.

Present conditions may not prevail for long. Certainly, there is evidence already that college enrollments and numbers of returning alumni have passed their peak. Perhaps it may not be long before chapters will return, for natural reasons, to their normal sizes. However, should this not be the case, it is our opinion that the chapters should arbitrarily reduce their numbers to the constitutional limit.

A small chapter is usually weak. Somehow, a small group does not have the appearance of a going concern and is therefore less likely to be influential or popular. Chapters should diligently keep their membership above 20 for this reason. However, large chapters may also be weak for the simple reason that there are so many members that there is no opportunity for many of them to develop the close fraternal bond which should exist. The story is told of two college men who left a sorority house at closing time and set off together toward the fraternity district some distance away. Names were exchanged and an interesting conversation on the habits and customs of coeds occupied their attention during the long walk. Finally one said, "Well, here's my fraternity house. Good night." and turned in. "Do you live *here*?" said the other. "Why, so do *I*!"

Our Founders and subsequent constitutional committees have wisely set a limit upon chapter size. The possibility of situations arising which necessitate an increase in size has been foreseen and provision made for exceeding the limit for valid reasons. However, the limit is still a sensible one. There is little virtue in having so many members that all cannot know each other well. On the other hand, the limit of 40 enables any chapter to have a strong group which can contain all of the leading lights on the campus. We believe the chapters will profit, in the long run, by adhering to the constitutional limit on chapter size.

And then there's the story of the pompous tycoon who was reading a prepared speech to a meeting of big shots. "The average business man is tired," he thundered, pausing now and again to adjust his glasses. "He has worked twenty hours a day on war work, and more recently on reconversion problems. He is physically and mentally exhausted. But what a lead-pipe cinch he has had compared to the defenseless secretaries who have had to type all this interminable hogwash." The delighted audience let out a roar of laughter. The tycoon turning brick red, gazed at his script in disbelief, and mumbled, "Extraordinary! I never dictated anything like that!"

Additions to Membership

ALPHA

526 Calvin John Meyer, Mankato, Minnesota
527 Lin Leeper Gresham, Kennett, Missouri
528 Robert Milton Wunderlich, St. Paul, Minnesota
529 Harlan Warner Johnson, Minneapolis, Minnesota
530 James Edward Schelske, Minneapolis, Minnesota
531 James Leslie Tobin, Eveleth, Minnesota
532 Walter Warwick Manson, Minneapolis, Minnesota
533 Richard Francis Moorhouse, Minneapolis, Minnesota
534 Waldron Richmond Jerome, Minneapolis, Minnesota
535 Morris Woodburn Bowman, Minneapolis, Minnesota
536 Robert Carl Raiss, Minneapolis, Minnesota
537 Robert Follett, Rock Rapids, Iowa
538 Robert Howard Cross, St. Paul, Minnesota
539 Elwood Forrest Rafn, Two Harbors, Minnesota
540 Charles Glenn Claypool, Minneapolis, Minnesota
541 Scott Edwin Thomas, St. Paul, Minnesota

BETA

597 Donald Julius Leonard, Detroit, Michigan
598 Sheldon Paul Rideout, Detroit, Michigan
599 Robert Emmanuel Johnson, Hazel Park, Michigan
600 Joseph Michael Ferrell, Jr., North Muskegon, Michigan
601 Melvin Leo Bunting, Detroit, Michigan
602 Terry Parenti, Blue Island, Illinois
603 Bord Hiken, Oak Park, Illinois
604 George Vincent Bianchini, Kingsford, Michigan
605 James Alan Klungness, Kingsford, Michigan
606 Daniel Clyde Ewing, Marquette, Michigan
607 Harry Leroy Day, Jr., Lincoln Park, Michigan
608 Theodore Edward Dennis, Muskegon, Michigan
609 Richard Dexter Schoch, Oklahoma City, Oklahoma
610 Dale Arthur Doerr, Traverse City, Michigan
611 Thomas Lee Frear, Wyandotte, Michigan
612 John Thomas Morrow, Detroit, Michigan
613 Fred Manson Shaw, Mount Clemens, Michigan

GAMMA

666 Clarence Eugene Newton, Corvallis, Oregon
667 Malcolm Rex Curtis, Denver, Colorado
668 Marvin Arthur Mansooth, Denver, Colorado
669 Sylvester James Fisher, Denver, Colorado
670 Jack Allen Ramsdell, Edgewater, Colorado
671 John Joseph Seerley, Glendora, California
672 Samuel Michael Hochberger, Bronx, New York
673 Philip West Peter, Lakewood, Colorado
674 I. Robert Taylor, Golden, Colorado
675 Gordon Morris Miner, Golden, Colorado

DELTA

606 Ellsworth Claude Adams, Elyria, Ohio
607 William Alfred Apple, Dayton, Ohio
608 Clarence Alfred Beck, Cleveland, Ohio
609 Harry Edward Fuggs, Jr., Lakewood Ohio
610 Bruce Faber Greek, Cleveland Heights, Ohio
611 Richard Charles Ham, Cleveland Heights, Ohio
612 Richard Wagner Hoffman, Lakewood, Ohio
613 Roswell Marlin Humphrey, East Salt Lake City, Utah
614 Robert Elmer Kleist, Plymouth, Wisconsin
615 James Joseph Lee, Carlos, Minnesota
616 Leonard Anthony Rose, Cleveland, Ohio
617 John Michael Salzer, Budapest, Hungary
618 Donald Frank Seula, Cleveland, Ohio
619 Charles Conrad Svec, Maple Heights, Ohio
620 Arthur Leland Wittmer, Merion Station, Pennsylvania
621 Anthony Ralph Yappel, East Cleveland, Ohio
622 Michael Joseph Zuzack, Jr., Cleveland, Ohio
623 Howard Scott Parsons, Jr., Shaker Heights, Ohio
624 Roy Lee Gilbert, Kent, Ohio
625 Thomas Jerome McDonough, Jersey City, New Jersey
626 Robert William Sharp, Cuyahoga Falls, Ohio
627 Carl Stephen Bacik, Cleveland, Ohio
628 John Joseph Dailey, Jr., Cleveland, Ohio
629 Robert Howard Ellis, Akron, Ohio
630 George Anton Fort, Cleveland, Ohio
631 Richard Carl Gerhan, Lakewood, Ohio
632 Robert Thomas Gorman, Cleveland, Ohio
633 Russell Allyn Hoagland, E. Cleveland, Ohio
634 Frank Anthony Kender, Los Angeles, California
635 Frank James Koinis, Toledo, Ohio
636 Ernest Christian Krauth, Cleveland, Ohio
637 Paul Curry Meunier, Louisville, Ohio
638 Harry Winston Mergler, Cleveland, Ohio
639 Stuart J. Mills, Marion, Ohio
640 Malcom Walkdon Patrick, Cleveland Heights, Ohio
641 Robert Pesovich, Cleveland, Ohio

642 Robert George Seidel, Youngstown, Ohio
643 Thomas Charles Sidlo, Cleveland, Ohio
644 Howard Brigham Sohn, Jr., Alliance, Ohio
645 Frank Steve Takacs, Cleveland, Ohio
646 Robert Walter Brisky, Cleveland, Ohio
647 Randolph Howard Cope, Jr., Lakewood, Ohio
648 John Belleau de Hamel, Shaker Heights, Ohio
649 Francis Edward Gerace, Canton, Ohio
650 Robert William Graham, Cleveland, Ohio
651 Chester Joseph Haug, Cleveland, Ohio
652 Bertram Herzog, Erie, Pennsylvania
653 Charles Henry Hoag, Alliance, Ohio
654 Knut Monrad-Hansen, Oslo, Norway
655 John McFarland Norlin, Shaker Heights, Ohio
656 Audun Ofjord, Bergen, Norway
657 Frank James Opatrny, Shaker Heights, Ohio
658 Robert Otto Sorde, Cuyahoga Falls, Ohio
659 Robert Charles Suttle, Lakewood, Ohio
660 Robert Homer Taylor, Alliance, Ohio
661 Stanley Edward Wertheim, Cleveland, Ohio
662 Walter Roland White, Painesville, Ohio
663 Richard Fred Willett, Cleveland, Ohio

EPSILON

163 *Louie Edward Scott, Inglewood, California
164 *Manuel Llosa, Miraflores, Peru
167 Clifford Sterling Caldwell, Orlando, Calif.
168 Edgar Kenneth Borglin, Oakland, Calif.
169 Frank Elmer Peabody, Berkeley, Calif.
170 Clarence Aloysius Miller, San Jose, Calif.
171 John Palmer Ogilvie, Sidney, British Columbia, Canada
172 George Arthur Manning, Olinda, Shasta Co., Calif.
173 Garnier Heartfield Curtis, Ross, Calif.
174 Harold Alfred Boyd, Jr., Albany, Calif.
175 Lawrence Earl Wiley, Placentia, Calif.
176 George Charles Wishart, Carmel, Calif.
177 George Wilson Metcalf, Los Angeles, Calif.
178 John Forbes Truchot, Jr., Compton, Calif.
179 Arthur Edward Anderson, Berkeley, Calif.
180 George Chris Pappas, Vallejo, Calif.
181 Charles Uzzah Pierson, Jr., Hayward, Calif.
182 Daniel Bernard Nolan, Englewood, Colorado
183 Loren Henry Angel, Vallejo, Calif.
184 Joseph Buenaflo Elizondo, Marysville, Calif.
121 William Roy Duncan, Eureka, Calif.
138 Louis Isaac Briggs, Jr., North Hollywood, Calif.
187 Eduardo Sarmiento, Bogota, Columbia, S. A.
188 Frederick Noah Bender, San Francisco, Calif.
189 Malcolm Roy McGregor, Santa Barbara, Calif.
190 Robert Everet Plumb, San Francisco, Calif.
191 Alden McElrath, Jr., Oakland, Calif.
192 Walter Winthrop Bridge, Beverly Hills, Calif.
193 Robert Leon Rose, Klamath Falls, Oregon
194 John Nelson Stoddard, Ventura, Calif.
195 John Fitch Wight, Jr., Billings, Montana
196 Alexander Murray Wilson, Jr., Tulare, Calif.
197 Victor Richard Boisseree, San Francisco, Calif.
198 Mustafa Aydinoglu, Tarsus, Turkey
199 Dorner Turner Schooler, Jr., Berkeley, Calif.
600 Bert Louis Conrey, Jr., San Diego, Calif.
601 Robert Pierce Thomas, La Vina, Calif.

*Not available for a previous issue

ZETA

495 David Earl Hay, Lawrence, Kansas
496 Charles Devo Sbrake, Topeka, Kansas
497 Alvin Galen Brubaker, Lawrence, Kansas
498 Jack Ramon Bruyr, West Mineral, Kansas
499 Robert Washburn Elliott, Kansas City, Missouri
500 Samuel Erle Campbell, Jr., Chicago, Illinois
501 Richard Eugene Marcum, Long Beach, California
502 Ralph Merle Wood, Troundale, Kansas
503 Frederick Godfrey Gartung, Wichita, Kansas
504 Edward Phillip Hansen, Campbell Hill, Illinois
505 Gene Webster Beery, Colby, Kansas

THETA

424 John Avery Tillinghast, New York City
425 Roy Davies Fisher, Springfield, Massachusetts
426 James F. Hunter, Jr., New Rochelle, New York
427 William Edward Lamoreaux, Jr., San Marino, California
428 Walter Morykwas, New York, New York
429 Robert Anthony Procharka, East Orange, New Jersey
430 Warren Saunders, St. Louis, Missouri
431 Walter Alfred LaPierre, Wading River, New York
432 Thomas Bradford Drew, Ossining, New York
433 Robert Macartney Sutton, Westfield New Jersey
434 Raymond J. Rice, Long Island, New York
435 Donald Louis Vives, Memphis, Tennessee

436 William Brendan Hayes, Long Island, New York
437 Richard H. Wilson, St. Albans, New York

IOTA

129 William Wesley Gollins, Webb City, Missouri
130 James Ramsey Bowmen, St. Louis, Missouri
131 Reinhold Arthur Poppitz, St. Louis, Missouri
132 Thomas George Ryan, Affton, Missouri
33 Roy Henry Dunham, Carthage, Missouri
134 John Walter Liddell, Campbell, Missouri
135 James Wilbur Kane, Minneola, Long Island, N. Y.
136 Ray Edgar Pickett, Times Beach, Missouri
137 James Byrnes McGrath, St. Louis, Missouri
138 Elmo Gaylord Lindquist, Kane, Pennsylvania
139 John Melvin Masterson, Chicago, Illinois
140 Irvin Dillard Robbins, Scottsburg, Indiana
141 Donald Harvey Collar, Flat River, Missouri
142 Kenneth Earl Niewohner, Richmond Heights, Missouri
143 Michael Casimir Zwirbia, Maynard, Massachusetts
144 Thomas Frederick Burke, St. Louis, Missouri
145 Thomas Pierre Wirth, St. Louis, Missouri
146 Charles Marshall Browning, Roselare, Illinois
147 Donald Gray Schmidt, Hinsdale, Illinois
148 Donald L. Griesedieck, St. Louis, Missouri
149 William Louis Weismantel, St. Louis, Missouri
150 Roger Wesley Jenkins, Sparta, Missouri
151 William C. McMillan, Macoupin Co., Illinois
152 Ralph Emerson Schowalter, St. Louis, Missouri
153 Richard Allen Walker, St. Louis, Missouri
154 Stanley Francis Johnson, Bonne Terre, Missouri
155 Joseph Thomas Hepp, Logansport, Indiana
156 Richard Blaine Howell, Alliance, Ohio
157 Donald Otto Reinert, St. Louis, Missouri
158 Robert John Yochum, St. Louis, Missouri
159 Walter Joseph Janczewski St. Louis, Missouri
160 Robert Marion Rock, St. Louis, Missouri

LAMBDA

154 Sterling C. Barton, Salt Lake City, Utah
155 John Allen Reeves, Price, Utah
156 Samuel Edmond Taylor, Salt Lake City, Utah
157 Bud Ledrew Madsen, Provo, Utah
158 Vernal E. Edlund, Salt Lake City, Utah
159 Horace K. Thurber, Long Beach, California
160 Robert Douglas Lambourne, Salt Lake City, Utah
161 Michael George Hillas, Standardville, Utah
162 Arthur William Ray, Jr., Salt Lake City, Utah
163 Jack C. Adler, Manti, Utah
164 Robert Earl Hagen, Ruth, Nevada
165 Orson LaMar Anderson, Price, Utah
166 King Hinckley, Salt Lake City, Utah
167 John Winfield Christensen, Salt Lake City, Utah
168 James Patterson Blackledge, Denver, Colorado
169 Spencer Simmons Hunn, Provo, Utah
170 William Charles Forcht, Jr., Louisville, Kentucky
171 James Herschal Polve, Kenilworth, Utah
172 Robert Ross Johnson, Brigham City, Utah
173 Jack Delos Lewis, Lehi, Utah
174 Peter Harry Stavros, Idaho Falls, Idaho
175 Charles Kenaz Rudy, Glendale, California
176 Glen Albert Carey, Salt Lake City, Utah
177 Dale Campbell Gibson, Preston, Idaho
178 Dean C. Buehler, Midwer, Utah
179 Leonard Alfred West, Jr., Henderson, Nevada
180 Scott W. Bair, Richmond, Utah
181 Neal James Mortensen, Monroe, Utah
182 John Alexander Edward, Salt Lake City, Utah
183 Hugh Means Rowe, Jr., Salt Lake City, Utah
184 Blair Oberg Furner, Richland, Washington
185 Paul Griffith Richards, Salt Lake City, Utah
186 John Alexander Patrick, Salt Lake City, Utah
187 Irving Craig Roberts, Murray, Utah

MU

416 Paul Calvin Gruenler, Birmingham, Alabama
417 Steve L. Pappas, Birmingham, Alabama
418 Harry Leo Joseph Gogen, Buffalo, New York
419 Charles Robert Owen, Northport, Alabama
420 Joseph Stephen Wolanin, Sharon, Pennsylvania
421 Halsey Winans Harmon, Washington, D. C.
422 John Hiller Hand, New York City
423 Jack Martin, Birmingham, Alabama
424 William James Way, Birmingham, Alabama
425 Harold Keene Burt, Laurel, Mississippi

426 Catlin Cade Verner, Jr., Tuscaloosa, Alabama
427 John Wood Collins, Birmingham, Alabama
428 William Byrd Spotz, Birmingham, Alabama
429 Karl Frank Stark, Plymouth, Wisconsin
430 Ralph Bolyn Shofner, Dothan, Alabama
431 James Erwin Summerville, Jr., Tuscaloosa, Alabama
432 James Foster Quinn, Prattville, Alabama
433 Thomas Uriel McElmurry, Batesville, Arkansas

NU

440 Dennis Joseph O'Brien, Pittsburgh, Pennsylvania
441 Thomas Edward Burns, Tarentum, Pennsylvania
442 Joseph William Tikey, Sharon, Pennsylvania
443 James Francis Baer, Pittsburgh, Penn.
444 Harold Eugene DeBolt, Fredericktown, Ohio
445 Hugh Frederick Porter, Jr., Pittsburgh, Penn.
446 Harry John South, McKeesport, Penn.
447 Vernon Herbert Neubert, Cabot, Penn.
448 George Bossert Matthews, Johnstown, Penn.
449 Peter Clark Bertelson, Ferguson, Missouri
450 John Judson Keyes, Jr., Pittsburgh, Penn.
451 Charles W. Duffett, Pittsburgh, Penn.
452 James Edwrad Franz, Pittsburgh, Penn.
453 Milton Irving Friedman, Wilmerding, Pennsylvania.
454 Edward Gajan Franko, Monaca, Penn.
455 Philip Raymond Gillespie, Jr., Pittsburgh, Penn.
456 Wilson Arthur Hawkins, Lawrenceburg, Kentucky
457 William Holverstott Knoell, Pittsburgh, Penn.
458 William Thoebald Meyers, Louisville, Kentucky
459 Howard Paul Morrison, Far Rockaway, New York
460 Robert Smith Schoenberger, Pittsburgh, Penn.
461 John Emrie Seward, Pittsburgh, Penn.
462 John C. Stephenson, Mount Vernon, New York
463 John Adamson Ewart, Jr., Pittsburgh, Penn.
464 Richard Martin Anderson, Pittsburgh, Pennsylvania
465 Vincent Richard Benya, Yonkers, New York
466 Charles Julian Cerulli, Bloomfield, New Jersey
467 Thomas Leroy Culbertson, Pittsburgh, Pennsylvania
468 James O'Hara Denny, Pittsburgh, Pennsylvania
469 Robert Oliver Ferguson, Pittsburgh, Pennsylvania
470 Paul Daniel Ohrman, McKeesport, Pennsylvania
471 Robert Howe Owens, Jr., West Pittston, Pennsylvania
472 Robert John Paustian, Omaha, Nebraska
473 Francis Patrick Schierberl, Pittsburgh, Pennsylvania
474 William Morgan Taylor, Pittsburgh, Pennsylvania
475 Edward Von Halle, Long Beach, California
476 James Robert Williams, Pittsburgh, Pennsylvania
477 Harold George Hall, Pittsburgh, Pennsylvania
478 Clark Estill Sloan, Jr., Nashville, Tennessee

XI

11 Norman James Stickney, West Allis, Wisconsin
12 William Arthur Hambley, Jr., Milwaukee, Wisconsin
13 John Nicolas Pike, St. Charles, Minnesota
14 William Hilton Courson, Dallas, Texas
15 Alfred Buck Scott, Jr., Rockford, Illinois
16 David Arthur Mickelson
17 Harold Jackson Enlow
18 Alex Robert Mitka, Kenosha, Wisconsin
19 James Bernard Gerhay, Racine, Wisconsin
60 Keith Edward Gilbert, Gwinn, Michigan
61 Roland Daniel Block, Milwaukee, Wisconsin
62 Edward Harry Jagmin, West Allis, Wisconsin
63 Buford Raoul Everett, Cantonment, Florida
64 Curtis Keith Bentley, Denver, Colorado
65 John J. Holden, Boscobel, Wisconsin
66 Walter Clyde Borchers, Detroit, Michigan
67 Robert Oscar Schindelholz, Hartford, Wisconsin
68 Norman Clarence Sethne, Kenosha, Wisconsin
69 Joseph Ronald Vinetta, Milwaukee, Wisconsin
70 Clarence Andrew Ehlen, Nunah, Wisconsin
71 Ludgard Adrian Emelity, West Allis, Wisconsin
72 James Alfred Polzar, Two Rivers, Wisconsin
73 John Conrad Wagner, Racine, Wisconsin
76 Oscar Arthur Wedel, Baraboo, Wisconsin
77 Ivan Lynn Wilson, Rock Springs, Wisconsin

OMICRON

293 Kenneth Max Bright, Iowa City, Iowa
294 Cecil Lee Goodman, North English, Iowa
295 Clyde Edward Hartzell, Jr., Erie, Pennsylvania
296 Harold Robert Hatcher, Iowa City, Iowa

297 John Milton Langendoen, No. Haledon, New Jersey
298 Richard Lynn McCreedy, Iowa City, Iowa
299 Mark Frederick Meier, Iowa City, Iowa
300 Robert Harold Mercer, Keokuk, Iowa
301 Phillip Earl Moorhead, West Branch, Iowa
302 George Sidney Overby, Valley City, North Dakota
303 Glenn Daniel Devine, Jr., Iowa City, Iowa
304 Robert Frederic Erickson, Cedar Rapids, Iowa
305 Leslie Harold Griffith, Iowa City, Iowa
306 Robert Coe Newton, Muscatine, Iowa
307 Edwin C. Simcox, Tama, Iowa
308 Jack Miller Smith, Des Moines, Iowa

PI

161 James Earl Barnett, Charlottesville, Virginia
162 John Spears Elliott, II, Richmond, Virginia
163 Pete Mitchell Scott, Jr., Ashland, Kentucky
164 James Frank Arthur, Richmond, Virginia
165 Carl Erskine Barnett, Charlottesville, Virginia
166 Donald Dean Buchanan, Lynchburg, Virginia
167 Mark Hamilton Costello, Jr., New York City
168 Malcolm Lloyd Engstrom, Richmond, Virginia
169 John William Ferguson, Jr., Lynchburg, Virginia
170 John Randolph Foote, Charlottesville, Virginia
171 Samuel Devereux Hathaway, Danville, Virginia
172 Edward Phillips Heath, Jr., Charlottesville, Virginia
173 William Frederick Kastelberg, Richmond, Virginia
174 Donald Eugene Hood, Baltimore, Maryland
175 William Ellis Kelley, Jr., Bon Air, Virginia
176 Jacqueline Beale Kite, Orange, Virginia
177 John Orren Koegel, Patuxent, Maryland
178 William Haywood Mapp, Jr., Pittsburgh, Pennsylvania
179 Elmer Kermit Matta, Star Junction, Pennsylvania
180 Robert Brown Morison, Salisbury, Maryland
181 Robert Livingston Rowan, Jr., Houston, Texas
182 Charles Garland Saunders, Jr., Newport News, Virginia
183 Frank Garrett Scott, II, Orange, Virginia
184 Bruce Benton White, Greenville, South Carolina
185 John Isaac Coker, III, Smithfield, Virginia
186 Henry Preston Jordan, Roanoke, Virginia
187 Benjamin Franklin Griffin, Jr., Alexander, Virginia
188 Carter Anderson Cole, West Point, Virginia
189 Robert Frederick Morse, Charlottesville, Virginia
190 Henry Francis De Francesco, Philadelphia, Pennsylvania
191 Horace Greenawalt Little, Elizabeth City, North Carolina
192 George Carey Carpenter, Pendleton, Virginia
193 Walter Preston Stuart, Jr., Salisville, Virginia
194 John Randolph Grymes, Jr., Orange, Virginia
195 Harry Alfred Batty, Charlottesville, Virginia
196 Wallace Stockton Lippincott, Baltimore, Maryland
197 Clarence Daniel Shanks, Jr., Baltimore, Maryland

SIGMA

294 Homer John Buddemeyer, Wapakoneta, Ohio
295 Gerald Fuller Plank, Columbus, Ohio
296 Donald Charles Wagner, Columbus, Ohio

TAU

171 James Ernest Blowers, Binghamton, New Jersey
172 Clifford Thomas Clark, Syracuse, New York
173 Charles Hubert Kennedy, Syracuse, New York
174 George William Hatzenbuhler, Johnstown, New York
175 Addison Benjamin Kline, Rome, New York
176 Harold Vincent Howe, Syracuse, New York
177 Lothar Marbod Schmidt, New York, New York
178 George Ross Shultz, Tully, New York
179 Robert Kenyon Crowell, Wadsworth, New York
180 Carl Jan Studer, Jr., Port Ewen, New York
181 William Kopka, Syracuse, New York
182 Robert Clarence Jackson, Syracuse, New York
183 Daniel Shepherd Hoag, Hasbrouck Heights, New Jersey
184 Nickolas B. Enos, Syracuse, New York
185 Roger Fuller Harrington, Buffalo, New York
186 Laurence Alfred Alexander, Albany, New York

187 Gerald Lane Conklin, Wynnewood, Pennsylvania
188 Richard Prior Stitt, Syracuse, New York
189 Michael Buhai, Syracuse, New York
190 Lawrence Donald Daley, Cazenovia, New York
191 Wayne Emerson Duerr, Liverpool, New York
192 Richard Jay Happick, Syracuse, New York
193 Howard William Preston, Dayton, Ohio
194 Donald Elmer Stearns, Warsaw, New York

UPSILON

213 Kale McCloud Maddux, Philadelphia, Pennsylvania
214 Lester Robert Redmond, Jr., Pine Bluff, Arkansas
215 Garland Samuels, Jr., Pine Bluff Arkansas
216 John William Graves, Pine Bluff, Arkansas
217 George Edward Stevens, Fayetteville, Arkansas
218 James Orin Geizzell, Jr., Little Rock, Arkansas
219 Harold Kenneth Brewer, Lavaca, Arkansas
260 Glendon Cecil Bruce, Newport, Arkansas
261 Chester Lee Haynes, Nashville, Arkansas
262 Roy Clayton Harrison, Bentonville, Arkansas
263 Claude Clifton Britain, Fayetteville, Arkansas
264 Austin Leroy Brooks, Prairie Grove, Arkansas
265 William Walden Deaver, Springdale, Arkansas
266 Charles Fay Kent, Broken Arrow, Oklahoma
267 Howell Lee Poe, Little Rock, Arkansas
268 Joseph Wayne Gillespie, Camden, Arkansas
269 William Bartholomew Manning, Jr., Malvern, Arkansas
270 William Edwin Bowers, Helena, Arkansas

PHI

228 Lee Robert Maisel, Gary, Indiana
229 Robert Lewis Donovan, E. Akron, Ohio
230 George Seawright Eckerly, Columbus, Indiana
231 Edward Carle Hughes, Jr., Fort Wayne, Indiana
232 John Joseph Rados, Gary, Indiana
233 Robert Eugene Shaw, W. Lafayette, Indiana
234 Robert Victor Stavenik, Ft. Wayne, Indiana

CHI

295 Richard Warren Aldrich, Roswell, New Mexico
296 Richard Cromer Barr, Ajo, Arizona
297 Fred Arthur Foyle, Jr., Tucson, Arizona
298 George Benton Manning, Tucson, Arizona
299 Arne Midgard, Jr., Tucson, Arizona
300 William Henry Oliver, Phoenix, Arizona
301 William N. Price, Phoenix, Arizona
302 John Oliver Rich, Ray, Arizona
303 James Robert Shull, Tucson, Arizona
304 Robert Eugene Brown, Flagstaff, Arizona
305 David Edward Creighton, Jr., Centuro, California
306 Elmo Leon Dickerson, Ray, Arizona
307 Joe Elber Dozier, Jr., Amarillo, Texas
308 Raymond E. Henderson, Jr., Tucson, Arizona
309 Kenneth Charles Hood, Globe, Arizona
310 Dan Elwood Lewis, Jr., Winslow, Arizona
311 Robert Edwin Milligan, Prescott, Arizona
312 Guy Hall Ruggles, Jr., Naco, Arizona
313 James Eddie Upchurch, Winslow, Arizona
314 Robert Isaac Williams, Globe, Arizona
315 Edward Chalmers Wood, Tucson, Arizona

PSI

221 ———
224 ———
225 Frank J. Hitchcock, Kalispell, Montana
226 Robert J. Meehan, Long Island, New York
227 Paul William Maloy, Galion, Ohio

OMEGA

237 Neil Woodrow Chauncey, Hidden Timber, South Dakota
238 William Floyd Scown, Lead, South Dakota
239 Ernest Frederick Schmidt, Alpena, South Dakota
260 Clifford Gilliland Florin, Wessington Springs, South Dakota
261 Don Henry Schoessler, Reliance, South Dakota
262 William Leland Elliott, Crawford, Nebraska
263 George Peter Schmid, Avon, Minnesota
264 Owen Lee Shay, Mobridge, South Dakota
265 John Andrew Dragseth, Redfield, South Dakota
266 Joseph Neil Grams, Sturgis, South Dakota
267 Wayne LaVerne Plasmer, Belle Fourche, S. Dakota
268 Francis Julius Franks, Bridgeport, South Dakota
269 Elvin Gordon Helling, Rapid City, South Dakota
270 William Lewis Hughes, Rapid City, South Dakota
271 Verl Richard Wilmarth, Kadoka, South Dakota
272 Robert George Johnson, Belle Fourche, South Dakota

273 Kenneth John Moriarty, Bridgewater, South Dakota
274 William Edgar McLaughlin, Belle Fourche, South Dakota
275 Louis Eugene Mousseau, Wall, South Dakota
276 Edward Freidhoff Jacobson, Jr., Sioux Falls, South Dakota
277 Paul Albert Lamont, Turon, Kansas
278 Gerald Clay Mathis, Bloomington, Indiana
279 Bernard Neil Sutfin, Opal, South Dakota
280 Eugene Francis Thurston, Belle Fourche, South Dakota

GAMMA BETA

161 Frank Atherton Howard, New York City
162 Frank Burkhead Weatherbee, Jr., Washington, D. C.
163 John Taylor Dallas, Mt. Rainier, Maryland
164 Fremont H. Jewell, Chevy Chase, Maryland
165 Ervin James Lilligren, Parkers Prairie, Minnesota
166 William Embrey Gaines, Washington, D. C.
167 Julian Mansour Showkeir, Arlington, Virginia
168 Elmer George Sunday, Jr., New Cumberland, Pennsylvania
169 Dwin Richardson Craig, Arlington, Virginia
170 John Henry Slothower, Washington, D. C.
171 Dwight Fellows Hastings, Kensington, Maryland
172 Herbert Henry Murray, Staten Island, New York
173 Frank Haywood Cullen, Washington, D. C.
174 Robert Wellemiek, Manville, Washington, D. C.

DELTA BETA

171 Andrew Jackson Maynard, Jr., Louisville, Kentucky
172 Joseph Carter Reynolds, Louisville, Kentucky
173 Bertrand Marquess Anz, Louisville, Kentucky
174 Russell Gilbert Raush, Lauzelletta, New Jersey
175 Richard Meyer Leach, Jeffersonville, Indiana
176 John Edward Straub, Louisville, Kentucky
177 Walter Wyvill Wood, Louisville, Kentucky
178 Delmar Kenneth Tucker, Louisville, Kentucky
179 Ewing Mark Donahoue, Louisville, Kentucky
180 Robert James Buch, Louisville, Kentucky
181 Howard Eldridge Barrett, Jr., Louisville, Kentucky
182 Irvin Lee Johnson, Louisville, Kentucky
183 Richard D. Gloor, Louisville, Kentucky
184 Kenneth Ray Whitehouse, Louisville, Kentucky
181 William John Gerhard, Louisville, Kentucky

Women are like newspapers because: They have forms; are made up; have bold types; they always have the last word; back numbers are not in demand; they have a great deal of influence; they are well worth looking over; you cannot believe everything they say; they carry the news wherever they go; they are never afraid to speak; they are much thinner than they used to be; every man should have one of his own and not borrow from his neighbors.

* * *

The man who boasts, "I run things around this place," usually refers to the lawn mower, washing machine, vacuum cleaner, baby carriage, and errands.

"If you are good children, I'll take you to a nudist colony tonight," said the mama mosquito to her flock.

* * *

Customer: "Give me a box of CIO matches."
Clerk: "What are CIO matches?"
Customer: "The kind that strike anywhere."

* * *

Blonde: "I can't figure out the trouble with that man over there. He was trying to flirt with me a few minutes ago, and now he won't even look at me."
Brunette: "Maybe he saw me come in. He's my husband."

Letters from the Chapters

Alpha Weilds Paint Brushes

Alpha Chapter is starting the 1947-48 school year with the prospect of a very successful year. At present we have 27 members. Our chapter offices are filled by Walter Kiriluk, Regent; John Duntley, Vice Regent; Bob Wunderlick, Scribe; and Cal Wick, Treasurer.

Jim Sullivan, Don Regelin, and Larry Carlson graduated last June, and we will lose more good men at the end of the fall quarter. Consequently we are trying to get a large, but select, group of pledges this fall. We haven't set a date for initiation, but it will probably be in the middle of November.

Our very successful bowling team of last year is entered in the Intra-pro Athletic League again this year. We also have a touch football team entered, and are looking forward to basketball.

Dr. Eggers has resigned as our Chapter Adviser due to ill health. Fred Teske has agreed to be our temporary adviser until we find a permanent one.

Last winter the house was papered and this year we have continued our house improvement by painting the outside of the house. The Alumni are furnishing the paint and the actives (bursting with enthusiasm) have one coat on and the second nearly completed. We have also talked about refinishing some of the floors.

The annual Founders' Day Banquet was a great success with 60 or 70 alumni and actives attending. The alumni started discussions of building a new house as the building fund is growing.

This concludes all activities of Alpha Chapter. We'll be looking for that fall issue of the GEAR.

Yours in H & T,
Robert Follett,
Corresponding Secretary

Beta Lifts its Face

The members of Beta chapter spent many Saturdays and other spare hours this summer with paint brushes and sprayers in hand putting a new coat on the chapter house. The result is a much improved appearance, giving the house its stately College Avenue look. The colors were unchanged so that neither tradition nor recognition was lost.

There are fourty-two active members on the campus at present, twenty-five men having joined the ranks of alumni at graduation ceremonies last June. However, in an initiation held last spring, we acquired four talented and resourceful members: George Bianchini, Harry Day, Dan Ewing, and Jim Klungness. In addition we have eight pledges, six of whom will soon become active members, so before long our membership will once again be at full strength.

Chapter officers for the school year are: William Edwards, Regent; William Shepeck, Vice Regent; Donald Leonard, Treasurer; Walter Hansen, Scribe; William Foth, Corresponding Secretary; and Robert Pierce, Steward.

As usual, many of our members are busy with campus activities. Jack Koppelman is the newly appointed editor of the KEWEENAW, the campus yearbook, and working with him is Bob Johnson as business manager.

Bill Cary has been elected to the Presidency of Blue Key for the school year. Jim Cleary is Mayor of Woodmar, the veterans housing project. Charles Cendar is vice president of the Newman club, national Catholic student organization.

We are proud of our four members of the football squad, all of whom are listed in the starting lineup. These men are: George Bianchini, Bob Peterson, Bob Pierce, and Dick Sampson.

Intramurals have not started as yet, but we are out to do our best to win the coveted trophy for the fourth consecutive year. Jim Klungness is our new intramural manager, replacing Howard Carlson. "Howie" did a remarkable job, but entered the ranks of the alumni this fall.

The Alumni Spring Dance was held on June 7 at the Onigaming Yacht Club. Through the efforts of our hard working social committee chairman, Ken Marsh, the party was a tremendous success. Lunch was served at the chapter house after the dance, and everyone had a wonderful time.

The social activities during the summer were highlighted by several weddings. During the course of the summer, George McKeregan, Roger Penman, Sheldon Rideout, George Couillard, and Dick Alkema took the big step.

On October 11 we held our Founders' Day Banquet. Fifty-two members, active, faculty, and local alumni were present. Speaker for the evening was Brother William Longacre, professor associated with the physics department.

One of the chapter's most active residents is "Red", who has received numerous press notices in the campus publications. "Red" is an Irish Setter whose chief hobby is chasing shadows. He also enjoys attending classes with the fellows and has acquired considerable notice in the civil engineering department.

During the summer the house was visited by many vacationing alumni. Among these men were: John F. Holmes, '17; Harry L. Fiedler, '31; John D. Andrew, '40; Earl Reinich, '40; Lawrence B. Farnum, '41; David H. Jahnke, '42; B. J. Ellerthorpe, '43; Ray Fritz, '44, and Harold F. Peterson, Xi '47.

The chapter is planning a monthly news bulletin that will help the alumni to keep in contact with us. We would appreciate letters from these men with their current addresses.

We extend our heartiest and most sincere best wishes to all members of Theta Tau.

Yours in H & T,
William H. Edwards, Regent
Walter J. Hansen, Scribe

Gamma Full of Campus Leaders

GOLDEN
COLORADO

After a year of slow going, Gamma chapter is really getting the ball rolling this fall. We have 14 actives and 14 pledges with initiations planned for November. All but three actives are graduating in the spring, so we are initiating 10 juniors and 4 seniors. Then in the spring we plan to pick some more underclassmen to carry on.

Gordon Miner

Our pledges include: Bob Torpey, end on the football team and Alpha Tau Omega Student Council representative; Joe Jackson, guard on the basketball team last year; Pat Mercier, guard on the football team; Bob Piper, John Cowland, football manager; Earl Spieles, Bill Shaefer, Kenneth Nickerson, halfback on the football team; Hank McCleary, President of Sigma Alpha Epsilon and Student Council representative; Jim Pittenger, Dick Arnold, guard on the football team; Dick Yarbrough, quarterback on the football team; Bill Muir, end on the football team; and Chuck Dunn.

Activities this year include an all-school dance in February, guest speakers for school assemblies, and guest speakers for our dinner meetings. Members carrying out these activities are Jim McDonald, Phil Peter, and Bill Smith.

Our officers this year are Regent, John Wanner; Vice Regent, Jim Clemens; Scribe, Bill Brown; Treasurer, Ned Wood; Marshal, Bill Coulter; Inner Guard, Doug Rogers; Outer Guard, Bill MacNamarra. Our chapter

adviser, M. I. Signer, is now Dean of the school.

Among our active members we have some campus leaders. Regent Wanner is also President of Scabbard and Blade Military Fraternity. Gordon Miner is President of the "M" Club, Captain of the football team, and an outstanding football centre of this region. Doug Rogers is the senior cheer leader. Bill Brown is Vice President of the student body. John Sorley is the Sigma Nu Student Council representative. Sam Hochberger is editor of the campus newspaper, "Orediggers". Rex Curtis is head of the Engineer's Day Committee. Bob Taylor is an outstanding football quarterback.

Our alumni still seem to be too unsettled to drop us a line, but we hope to have some news in time for the spring issue.

Gamma chapter extends best wishes and sincerest fraternal greetings to all brothers of Theta Tau and Alumni of Gamma chapter.

Yours in H & T,
C. W. Brown, Scribe

Bob Taylor

Delta Starts Off with 45 Men

Delta chapter sends its greetings to all brothers of Theta Tau. Once again the fall semester finds Theta Tau assuming its high position on the campus. The chapter is proud of its officers: George Fort, Regent; Don Soula, Vice Regent; Carl Bacik, Scribe; Mike Zurack, Treasurer; Frank Takacs, Marshal, and John Dailey, Corresponding Secretary. Behind these men and with the aid of our able faculty adviser, Professor Leslie Reardon, we expect to further our advances.

The past spring term was indeed a busy one for Theta Tau. Probably highlighting our activities was the lecture given by Dr. McCaskey at the Warner and Swasey Observatory. This was held jointly with Blue Key and Tau Beta Pi after which refreshments were served.

At the close of the semester, Dick Shallenberger added the annual Theta Tau Award for outstanding juniors to his list of achievements.

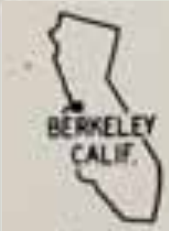
At the onset of this term, our roll contains a list of 41 prominent campus names. Besides claiming the men who are the backbone of the present football team, other notable leaders include Bob Petrovich, President of the Case Senate and Blue Key; Jack Noelin and Stan Wertheim, Business Manager and Managing Editor, respectively, of the Case Tech; John Dailey and Frank Gerace, Presidents of their respective January and June Senior classes.

Because of business and student life difficulties, the annual Founders' Day Banquet will not be held October 11. The dinner will be held in conjunction with the Cleveland Alumni Chapter on October 21. About 75 young and old members are expected to attend.

In closing we want to thank The Gear for this opportunity of communicating with our many friends and alumni everywhere. To them we extend our best wishes and to the official publication we wish continued success.

Yours in H & T,
J. J. Dailey, Jr., Corres. Sec.

Weekly Luncheons Solve Epsilon's Problem



Epsilon started the semester off with a luncheon meeting October 23 to find out what gains and losses the summer had given us. Of our own chapter we have 24 returnees from last semester and three not in attendance last semester. Robert L. Ray from Iota is here doing graduate work in metallurgy.

Our Regent, John D. Knivston, was chosen last semester from 21,000 students on this campus to be representative at large in the University Executive Council. William (Joe) E. Bush is Vice Regent; David (Bert) B. Clemmons, Treasurer; Garnis H. Curtis, Corresponding Secretary; Wallace N. McClure, Scribe; John F. Truchot, Marshal; Dan B. Nolan, Inner Guard; James K. Luce, Outer Guard, and Dr. Howel Williams, chairman of the Department of Geological Sciences, the faculty adviser.

Informal initiation on October 2 and formal initiation on Founders' Day brought in 14 new members to make a total of 42 actives on our roll. Spontaneous ten minute speeches by the pledges were the inspiration of toastmaster Dr. Ralph W. Chaney with meaty subjects of the caliber of "How Will the Price of Tin Affect Turkish Politics." Dr. George D. Louderback gave voice to the desire and need for a national directory and was seconded by Dr. Samuel P. Wells with his account of a bone swapping experience with a brother tongiman.

On Columbus day we had a most successful beerbhall picnic at Lake Temescal regional park with a glorious game all afternoon that tapered off to food and sociability in the clubhouse when the ball could no longer be seen.

Thursday noon luncheons in the Mining Building have been our solution to the "how to get together without losing study time" problem. No matter how rough things get, just about everyone, including the professors, can find time to meet and eat; a fifteen minute meeting in the latter stages dispose of all the current business.

Of our recent batch of alumni Mel Hansen, our last regent, is in Spokane with Permanente Metals; Bud A. Ogle is geologizing for Union Oil Co. at Santa Barbara; Lawrence G. Eginton, William A. Wittmeyer, and Lawrence E. Wiley are in the Stanolind Engineering Department in Texas; Stanley A. Young is petroleum engineer for Standard Oil in Bakersfield, California; Clarence A. Miller is teaching geology at Napa Junior College, and William B. Nelson is geologist in Guatemala.

At the smoker last semester, Donald H. McLaughlin, Epsilon '14, president of the Homestake and retired vice president of the Cerro de Pasco mining interests, showed colored slides and told of his last visit to Cerro de Pasco in the Peruvian Andes. Norman Hardy, Epsilon '24, is back from South America after a trip for Standard Oil Company and we hope we will have the chance to hear of his experiences before long.

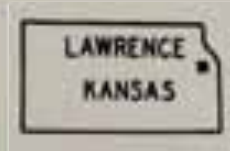
Professor Lester C. Uren was employed by the French Petroleum Institute last summer to instruct eighty French and to inspect oil holdings in France and Morrocco. John J. Reed, Epsilon '44, has been promoted from assistant mine foreman to field engineer in the hydraulic division of Braden Copper Co., Rancagua, Chile. He says he corresponds regularly with William A. McDonald, Epsilon '44, who is with Cerro de Pasco in Peru. Manual B. Llosa is in the same area.

Our corresponding secretary, Garnis Curtis, is compiling all the letters he has received from alumni into a newsletter to send out to those for whom we have been able to obtain addresses. We have been trying by these letters to partially fill the need for a directory.

Yours in H & T,

WALLACE N. MCCLURE, Scribe

Zeta Wives Lend a Hand



Zeta started the 1947-48 class year with Claire Sommers as Regent; Dudley Hamstine as Vice Regent; Kenny Boreng as Scribe, Francis Van Benthem as Treasurer, and Joe Beeler as Corresponding Secretary. The summer interim was a renovating push to Zeta. A sequence of improvements was started in the house. In addition to this, a series of six weddings, on the part of five actives and one pledge, took place between June and the opening day of school in September.

The wives of Zeta alumni and actives have given the chapter indispensible aid during the summer in decorating the living room and lounge. The chapter extends a hand of thanks

and appreciation to these loyal ladies. The members of this "Zeta Auxiliary" are Mrs. George Bradshaw, Mrs. Carl Assel, Mrs. F. A. Russell, Mrs. Loring Hanson, Mrs. James Jacobs, and Mrs. Bob Merridith, all living in Lawrence, and Mrs. Louis Fiel, Mrs. Ralph Nusser, and Mrs. James Robbins from Kansas City. The Kansas City Alumni gave the chapter a lamp and table to match the decorating pattern originated by the Zeta wives.

Other major decorating and furnishing plans include the painting of the house exterior, which is going on at this time, the addition of a new stove to the kitchen, and the installation of a new shower room as well as improvements on the present one.

Last spring Zeta initiated Ed Hanson, Fred Gattung, Dick Marcum, Sam Campbell, Bob Elliot, Gene Berry, Jack Bruyer, and Ralph Woods. We hope to initiate Dr. James O'Hara Maloney as an honorary member this fall.

Bill Duncan, who was working with the Jayhawk Construction Company and the FPHA in Topeka, Kansas, Bob Merridith, a recently released navy lieutenant, Ken Murphey from New York, and Jesse Gamber have returned to 1602 Louisiana. Jesse is working on his master's degree.

Zeta lost two brothers last April. Just after graduation Bruce Wells went to work with Montrsano at Texas City. Two weeks later he was killed in the blast that destroyed the Montrsano plant. Alvin Barnett, who was with United Airlines at the time of his death, was killed in a glider crash near Cheyene, Wyoming.

In response to the drive to refurnish the house many alumni have sent contributions to Louis Fiel in Kansas City. The following men have sent checks directly to Regent Sommers at Zeta: Lewis Benz, Phillips Petroleum, Alin, Texas; R. I. Parker, General Electric, Chicago, 80, Illinois; L. L. Paxson, Greenville, South Carolina; F. C. Brock, Mountain Lakes, New Jersey; Wallace Jones, 16 Francisco Avenue, West Caldwell, New Jersey; and Charles Coats, Wichita, Kansas.

The new pledge class includes George McNeish, Dick Harris, John Montfort, Curtis Ottinger, Bob Talty, Leonard Richards, Clayton Williams, Bruce Pennington, Bob Grunewell, Bob Wahlstead, and Joe Reid.

In hill activities, Zeta is still holding the front line with men in key positions. In fact, a Zeta man, Jim Waugh, is one of the first engineers to be elected to the presidency of the All Student Council, a post usually occupied by a college man. Ed Hanson and Alvin Brubaker are on the Engineering Council and active in organizing the Engineering Exhibition to take place here in April. Zeta will place an exhibit in the exposition. The Kansas Engineer is headed by editor Joe Beeler with Fred Gattung in the senior associate editorship. In all likelihood Fred Gattung will edit the Engineer next year. Morris Borene was chosen for a second term as feature writer for the Engineer as well as being appointed business manager.

The Founders' Day buffet supper, held in the chapter house on Saturday, October 11, was attended by over fifty guests including Grand Regent Nusser.

Yours in H & T,
Joe R. Beeler, Jr.,
Corresponding Secretary

Iota Entertains Itself at Professional Meetings

Officers for Iota Chapter are as follows: Regent, James J. McGovern; Vice Regent, John G. Railly; Scribe, A. Allan Crosby; Treasurer, Robert L. Hackman; Marshal, William W. Bishop; Inner Guard, Arthur Tapperson, and Outer Guard, James R. Bowman. Our chapter adviser is Professor J. R. Butler of the Civil Engineering Department.

There are 44 actives but no pledges at the present time. We are having a meeting October 25 to make nominations for pledges. The election of pledges will be November 13.

We have started a practice last April of having a monthly dinner and having one or more of our actives give a talk. This has been very successful so far. In so doing, we have a chance to tell the chapter some favorite engineering topic or other topic of interest.

An employment service committee has been organized to look into the possibility of starting an employment service with various alumni groups. Another committee has been started to work on a freshman plaque for each of the ten outstanding freshmen of the preceding year. The men will be judged by a group of three actives and three members of the faculty as to personality, sports, activities, and grade point. This is, of course, subject to approval by the Dean.

Iota held a beer bust October 11 at which touch football was played with guests. Beer was brought unto the field at frequent intervals to satisfy the great thirst. Of course, plenty of songs were sung.

Our Founders' Day Banquet was held on October 11, at Edwin Long Hotel. There were forty-eight in attendance including Brother Paul Mercer who honored us with a Founders'

Day talk. Lt. Col. W. H. Doll gave a very interesting talk on his job of erecting Bailey bridges on the Rhine river during the war.

Brother Bob Rock presented us with movies of our Spring '47 beer bust which proved to be quite entertaining. He also had some beautiful color pictures of Okinawa where he was stationed for over a year with the U. S. Army.

In the Founders' Day mail came a report from Brother Ren Goodwin, Iota '44, who is with Stanolind Oil Co. at Armeda, Texas. He wished everyone good luck. He has contacted Brother Jim Snyder, who is working in that area.

We also heard from Lt. Col. Roy C. Cornett, Iota '38, who is on extended active duty with the army engineer corps at Ohio State University where he is working on a master's degree in industrial engineering.

Eight actives are expected to graduate in January. Our chapter is somewhat swollen due to two transfers and three men who have returned from service.

Yours in H & T,
James J. McGovern, Regent

Iota's Founders' Day Banquet

Lambda Visited by Grand Regent

As the regular session of school closed last spring, Reed Bills, former Regent of Lambda was honored by the presentation of the Theta Tau Award to the "Outstanding Senior Engineer." This award was open to all graduating engineers. Honorable mention went to Jack Birk, Vice Regent of Theta Tau and Student Body President.

Summer months saw most of the members scattered over the country on various jobs. Those who were in or near Salt Lake City were brought together by a very successful steak fry. The chapter began the school year with a definite and comprehensive program thanks to the efforts of our new Regent, Bob Mayer. Bob was not idle during the summer and with the help of Grand Outer Guard, Professor George W. Carter, our Chapter adviser, he made arrangements for five "Professional Development and Leadership Programs" to be presented during the fall quarter. Some excellent speakers have been engaged for this well-rounded program.

As an item of service to the University, the above program is open to the freshmen and all sophomore engineers are particularly urged to attend.

Founders' Day was celebrated with the Intermountain Alumni Association at a dinner in the Union Building. As October 11 came in the middle of the school week no special program was planned for that day other than our regular formal meeting. We were pleasantly surprised, however, by a visit from our Grand Regent. Grand Regent Nuzee talked to us about what it means to be a Theta Tau. He was able to put into words what I believe many of us had felt and had never been able to say in our discussions amongst ourselves. Some sidelights on the plans for coming Regional Conventions were also discussed by the Grand Regent.

In addition to the Professional Development Program mentioned a complete social pro-

gram has been outlined to be topped off with a Christmas Formal.

Lambda's officers and thirty-five active members send greetings to the Executive Council and to all active and alumni members everywhere.

Yours in H & T,
ROBERT F. WEYHER, Cor. Sec.

Mu Casts Large Aluminum Badge

Mu chapter is having a busy fall with a great many members participating in the plans for an Engineering Open House Day with the chapter manning the information booth.

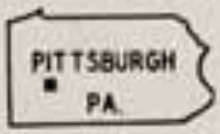
The number of active members is now 25 after last spring's graduation but with several faculty members active and a large list of prospective pledges, Mu chapter is keeping up to strength.

We have plans under way for the erection of a large replica of the Theta Tau badge to be placed in front of the Engineering building. This replica has been cast from aluminum from a pattern which was quite expensive. If any other chapter is interested in obtaining a casting of this type, we will be glad to answer inquiries. The casting may now be obtained quite reasonably.

In closing, Mu chapter extends its best wishes to Theta Taus everywhere.

Yours in H & T,
JOHN H. HANN, Scribe

Nu Gets Underway with Full Membership Quota



We of Nu Chapter apologize for our delay in sending this letter. Our school was one of the last to start classes this fall, and we are just now getting well underway.

Chapter officers are: Regent, Richard Anderson; Vice Regent, William Taylor; Scribe, Robert Paustian; Corresponding Secretary, John Ewart, and Custodian Vernon Neubert. Professor J. M. Daniels is our Chapter Adviser.

We have an active enrollment of forty-two members. Our pledge class has not yet been selected.

In addition to our regular business meetings which are held once every two weeks, we will have regularly scheduled dinner meetings, possibly once each month, at which outstanding local men will be invited to speak. Our Membership Committee is arranging a schedule for the pledging season to include a rushing smoker, a pledge-active stag party, formal initiation, and an initiation banquet.

In addition, we will give an award to the most promising engineer in the senior class and will sponsor joint seminar programs between the different engineering departments at Carnegie Tech.

Yours in H & T,
JOHN EWART, Corres. Sec.

Omicron Back in the Fold

Although Omicron Chapter was virtually inactive during the war years, it is now back on campus and operating full strength. The cessation of hostilities was followed by the immediate return of only four actives, but out of this skeleton organization Omicron re-developed into a going concern with nineteen actives at the present time.

The highlight of the year was the reorganization initiation of sixteen members on May twenty-fifth. A most impressive presentation of the initiation ritual was made possible by the visit of Grand Regent Nunez, Grand Treasurer Vawter, Past Grand Regent Hopkins, and Past Inner Guard Mercer. Omicron is certainly indebted to these national officers who were able to come to Iowa City to take part in the reorganization ceremony, for this will be regarded as one of the great events in the history of the chapter.

A get-together picnic was held a week previous to the above initiation, and was highly enjoyed by all, at least by all the married brothers. The single men are still pondering a ball game that took place during the picnic, in which they were practically driven out of

the ball-park by the married fellows, the score being something like 11-0.

In the first regular meeting following the initiation and reorganization, a new crew of officers, headed by Regent Eugene Hogan, was elected, and plans for the coming year were outlined. At the present time, Omicron is actively engaged in pledging activities, with social and professional meetings being held at regular intervals.

Yours in H & T,
Mark F. Meyer,
Corresponding Secretary

Omicron Reinstallation
(Grand Treasurer Vawter; Grand Regent Nusser, and Past Grand Regent Hopkins in front row)

Pi Modestly Notes Harvard-Virginia Score

Pi chapter of Virginia reports again with all the signs of a fine year to come. Leading our chapter this time are: Regent, Buddy Bolton; Vice Regent, Billy Barr; Secretary, Charlie Quarles; Treasurer, Don Hood, and Chapter Advisor, Dr. L. R. Quarles.

Initiation on October 11 brought into Pi chapter the thirteen pledges of last spring, making our total active strength a lively fifty-nine. We certainly welcome our new members as a worthy "shot in the arm." They proved their merit once more on October 11 when, as their last informal pledge duty, they held seats for the actives at our game with Harvard. (Small school plug: Harvard 0, Virginia 47.)

Next on the fall calendar is our initiation banquet but most of us are looking beyond to our next Engineers' Ball. We sponsor a dance for all engineering students as often as it seems that student reaction will be helpful. Hallowe'en provides our newest date, and it looks like it's sure to be a howling success.

With our chapter at its present potent strength, plans are being developed for an active year, but so far the initiation, banquet, and dance dominate the scene.

Best of all to each chapter of Theta Tau.

Yours in H & T,
Jim Batchelor

Rho Loses 20 by Graduation

Rho chapter started this year with her roll greatly decreased, which was caused by the graduation of 20 of the members. The chapter now has 22 active members enrolled in school. The brothers agreed at one of the first meetings this fall that everyone should begin giving serious thought to the rushing of pledges. A goodly number of names were turned in and invitations were issued to these men inviting them

to a smoker. The new prospectives enjoyed themselves and showed great interest in learning of the object of Theta Tau, and the principles for which it stands.

Since the last issue of the Gear was published, Rho has held election of new officers. Bob Hinkle was elected Regent to succeed Jack Barnes, Grey Stone was elected Vice Regent, Wayne Fouts is the new Scribe, Scotty Ireland the Treasurer, and Reiley Little the Corresponding Secretary. Professor T. C. Brown of the Mechanical Engineering Department is still our very capable adviser.

During the summer, most of the brothers were away working at summer jobs. The remaining brothers enjoyed several social functions. Two picnics were held at Stuart's Lake near Raleigh. Soft ball, swimming, and dancing were the main events which made these parties so successful. One weekend several of the brothers went to the beach near Wilmington, North Carolina and had a party with some of the other brothers who were working in that part of the state during the summer. They reported a most enjoyable trip.

Rho brothers had pleasant summer

Plans are now underway to publish an issue of "The Gearlet," Rho's little news sheet. Jack Barnes is the editor and he hopes to get out an issue in the very near future.

Rho chapter sends best regards to all the other chapters.

Yours in H & T,

RILEY M. LITTLE, Corres. Sec.

Upsilon Enjoys New Barbecue Pit

With enrollment at the University reaching the highest point in its history, Upsilon chapter looks ahead with anticipation to increased activities. With returning members and new initiates crowding our present chapter house, we are hoping to build our own house sometime in the near future. Although Ralph Stewart, our house manager, has been very energetic in making improvements in our present house, we are always limited because we are not the owners. Various plans of financing such a project are being investigated, and we have established a building fund which is being added to regularly.

One of our latest improvements, a barbeque pit, was utilized during our first social activity of the year—a combination barbeque and "beer bust." It was held immediately following one of our home football games and many of the engineering faculty and all of the prospective pledges were our guests. A picture of some of the members and guests grouped around the barbeque pit is enclosed. Consumption of beer and barbeque was limited only by our own capacity and everyone agreed that the event was a great success.

Our Founders' Day banquet was, of course, the most important of our fall activities. Sam Allman, one of our newly married members, acted as master of ceremonies and very ably entertained the 66 members and guests. Among our guests were our housemother, Mrs. Cate, and several of the members of the engineering faculty.

Our membership now totals 42 active members and four pledges although the present pledge class has not been completely filled. At our election last spring Tom Lyle succeeded Robert Heiser as Regent. Other officers elected at that time to serve during the present school year are: William F. Russell, Vice Regent; Lester Redmond, Scribe; J. O. Grizzel, Treasurer; Roy Harrison, Marshal; Chester Haynes, Inner Guard, and John

Graves, Outer Guard. Our faculty advisers are Professor William B. Stelzner, and Professor W. R. Spencer.

Another of our alumni has been added to the teaching staff of the Engineering School of the University. He is Garland Samuels, mechanical engineer, who graduated last spring.

Upsilon joins all the members of Theta Tau in looking ahead to a most successful year of professional brotherhood.

Yours in H & T,
JOHN P. SANDERS, Corresp. Sec.

Barbecue Pit given try-out

Phi Has Good Idea for Professional Programs

Phi chapter takes this opportunity to extend its best wishes to all chapters of Theta Tau. At present, our chapter is humming with activity in preparation for the annual Homecoming. We are expecting a record attendance of alumni this year. Since the opening of the current schol year, we have been making every effort to contact alumni and invite them to our house functions. We have received very gratifying replies to our notices and invitations.

Phi chapter's roll now lists thirty active members. Six more will be added at the next initiation before the end of the year. Our rush committee, guided by Robert Stavenik, is doing a fine job carrying out a successful pledge program. There are eight members in our present pledge class.

Theta Tau is well represented in local campus activities by both pledges and members. Two of our members, Dave Whitcomb and Steve Manich, are on the varsity football squad this year. Both are backfield men. Dave was injured early in the season and has not seen much action. Steve has done a good

Dave Whitcomb

job of ball toting in the first four starts so far this season. At the close of last semester, Bob Hartman annexed the all-campus boxing trophy by flooring two of the best local heavyweights. Cost to Hartman—one black eye. Bob Longardner is our chief politician. For the last two semesters, Bob has represented the school of Civil Engineering in the Student Senate.

Stan Manich

We are planning a series of professional meetings for the fall semester that should be very interesting and informative. Our speakers will be graduate students in the engineering schools. They are going to speak on their research projects and acquaint us with the various fields of research.

Robert Burnett is our faculty sponsor. Bob

Bob Hartman

received his Master's degree last June and is now on the teaching staff of the Electrical Engineering School. At present, our Alumni Association is guided by Professor H. L. Solberg, President, and Professor G. R. Springer, Treasurer.

The chapter officers for the present semester are: George Eckerly, Regent; George R. French, Vice Regent; Robert Longardner, Scribe; and Keith W. Benn, Treasurer.

Yours in H & T,

James T. Rayburn, Cor. Sec.

Chi Off to a Lusty Start

Inspite of the loss of twenty actives at the end of last semester, Chi has started this year off with one of the largest active lists it has ever had at the beginning of a year —a total of thirty brothers. The first regular meeting was called on September 23, when Regent Daniel Howe was able to announce that our two proposed honorary members, John C. Park and Paul M. Thornburg, had been unanimously elected by Chi alumni as well as other chapters of Theta Tau. In voting for these very able men all Chi alumni who had ever had contact with them, without exception, were extremely happy to have them become members.

Plans were immediately set underway for future functions throughout the year, the first of which is now completed. This Founders' Day Banquet was reminiscent of those pre-war days when alumni from all over

the country gathered at the old Alma Mater. A total of forty-seven actives and alumni were present, alumni from all parts of the state and country. Many of those members

John C. Park

who were unable to attend "reported" by letters which were read during the course of the banquet. The banquet was given a good start by an excellent roast turkey dinner and was brought to an impressive conclusion by an address from one of our brothers who has attained national prominence in his field, Dr. T. G. Chapman, Dean of the College of Mines and Director of the Arizona Bureau of Mines. Dean Chapman's address was entitled "Metal Industries of the Southwest." In giving an interesting history of the development of the metal industries of this region and some pertinent predictions as to the futures of these metals, Dr. Chapman provided subject matter which was of great interest to all present.

Plans now underway include those for a coming initiation of four new actives as well as for the formal initiation of our two new brothers. Effective participation in coming engineering activities and a program of educational movies and talks by prominent practicing engineers of this region are now being put underway.

Chapter officers for the ensuing year are: Regent, Daniel Howe; Vice Regent, Robert Shull; Treasurer, Steve Elchuck; Marshal, John Rich; Scribe, William Campbell; and Corresponding Secretary, E. B. King. We are fortunate again this year in having Professor E. S. Borgquist as our chapter adviser.

All in all, last year was one of the most active years Chi has ever had but, at worst, this coming year can not be far behind it in any phase of activity.

Yours in H & T,
E. B. KING, Corres. Sec.

P. M. Thornburg

Psi Pledges Outnumber Actives

As corresponding secretary, it is with great pleasure that I find myself in a position to inform you of our activities.

Our activities to the present have been somewhat limited due to the short time we have been back in school; however our future loks much brighter.

To encourage and to welcome new men into our organization, we recently held our annual stag dinner in a well-known night club suburb of Butte known as Meaderville. This function was unusually successful in that we pledged nearly the entire sophomore class.

We have tentatively set November 7 as the date for our annual Founders' Day dinner

dance. This date, appearing to be late, was necessary due to the sports activities that fall in the month of October. Phi chapter is pleased that the other fraternity on campus is desirous of holding an inter-fraternity dinner dance in December.

Psi rushing party

Our officers for the current season are: Regent, William Joyce; Vice Regent, Robert Burns; Scribe, Clarence Wells; Treasurer, Jess Hattesty; Inner Guard, Charles Grimes; Marshal, Koehler Stout, and Corresponding Secretary, William Hand.

We again welcome Professor O. A. Dingman as our faculty adviser. Professor Dingman has gladly taken this post for such a long length of time that he is well informed of all his necessary duties.

We began this fall with sixteen pledges and shortly after our fall "Rush Party" we increased this number to forty. With a small number in the active chapter, twenty-one, it is our wish to soon increase this number to thirty-seven. However, at present we have twenty-one actives and forty pledges.

With the opening of school last September Psi chapter was pleased to find itself with an additional faculty member. He is Dr. George Kaiser, a member of Theta Tau from Gamma chapter. We welcome Dr. Kaiser to the Geology Department and into Psi chapter of Theta Tau. The other faculty members representing Theta Tau on our campus are Professor Oscar Dingman, Mining Department; Mr. Curtis Graverson, Metallurgy Department, and Dr. Eugene Perry, Geology Department.

We plan to hold, at least monthly, an activity, be it no more than a smoker. This plan was tried earlier and its success was so great that we are looking forward to resuming these activities this year.

Enclosed are some pictures taken by our photographer, Jean Hattesty, at our fall "rush party." We hope that they will give some sort of visual picture of our activities.

Psi rushees enjoy party

I take pleasure, in behalf of members of Psi chapter, to wish continued success of Theta Tau as a whole.

Yours in H & T,
WILLIAM HAND,
Corresponding Secretary

Gamma Beta Holds Bang-Up Banquet

From the nation's capitol, Gamma Beta extends its congratulations to the fraternity as it passes its forty-third birthday. It is indeed a pleasure to watch the years go by and see Theta Tau grow more important to each of us.

We celebrated the birthday in our customary manner with a hang-up initiation, banquet and ball at the Hotel Continental. Anyone who has ever attended one of Gamma Beta's affairs knows what we mean by the word "hang-up." The pleasure of meeting under the brotherhood of fellow Theta Taus is certainly a highlight of every year.

The initiation was presided over by Regent Don Blanchard assisted by Vice Regent Merrill Brown, Scribe Allen Ensign, Treasurer Elmer Sunday, Jr., Marshal Harold Thomasson, Inner Guard Irwin Liljegren, and Outer

Guard Dwin Craig. The four initiates brought our roster to twenty-two actives. The new members are Frank Cullen, Dwight Hastings, Robert Manville, and Herbert Murray. We hope to be able to increase our chapter more by the end of the year.

As you know, our Adviser, Norman B. Amos, was elected at the Louisville Convention to serve on the Executive Council as Grand Vice Regent. Gamma Beta wishes to congratulate "Deacon" Amos and to thank the fraternity for this high honor.

Theta Tau and the Engineers for the first time have one of their number heading the Student Council of George Washington University. Fremont Jewell was elected by the student body to direct the activities of the 13,000 registrants.

Our Regent, Don Blanchard, recently received from the Physics Department an award for having attained the highest scholastic average in the three Elementary Physics courses. Erv Liljegren is president of the Civil Engineers Society, Dwight Hastings of the Mechanical Engineers Society, and Frank Cullen of the Electrical Engineers Society.

The activities of the alumni are always interesting to the actives. Here are the latest scoops, via the grapevine.

Pi Warren, Gamma, is still having the time of his life hopping around the country as a consultant mining engineer. "Pop" McKnight was recently elected Vice President of the reorganized G.W.U. Alumni Association. George Kilpatrick is with the Bureau of Aeronautics, Al Barnack is with a power company in San Francisco, Fred Holcomb is in Canada with the U. S. Engineers, and Jack Lane is with Coco Steel.

Arnold Krondstadt, Robert Butterworth, Frank Weatherbee, Ewing Ballou, Max Christopher, Dave Carlson, Bernard Bernstein, Ben Genna, Dick Fenton, Tom Toffolo, George Pida, Duffy Gateau are all with various bureaus in various capacities with the Navy Department.

Lew Barkley is an editor of Westinghouse Engineer, Ed Schittl is general manager of Combustion Engineering Co., and George Cooney is vice president of Central Independent Oil Co.

This summer we all turned sailor for a

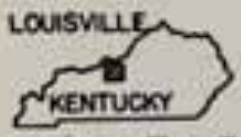
Fremont Jewell

day and night to enjoy a fishing trip down the Chesapeake Bay which was lacking in nothing except fish.

This concludes the news from Gamma Beta as we take the last look at our fading sun tans and oil the "slip-sticks" for another heavy year.

Yours in H & T,
Richard E. Shaw
Corresponding Secretary

Delta Beta Dominates Speed School



The chapter is going strong. We now have 36 active members and expect to pledge 11 more in the near future. Theta Tau has engineering well under control. All officers of the Student Council are members of the fraternity with the exception of four out of the total thirteen. We have at least one officer in each professional society. Class elections have been held in the 3rd, 4th, and 5th year classes, and we have the presidency of both the 4th and 5th year classes and have three of the five offices in the 3rd year class.

We also have men active in things concerning the university. We have three men on the All University Council who are prominent in their activities. We have a member of the fraternity who is in charge of all social activities on campus, including the annual homecoming dance. The fraternity was well represented at the annual leadership camp.

We had our Founders' Day Banquet October 14 at the Seelbach Hotel. In conjuction with the banquet, we had installation of the new Delta Beta officers. They are: Regent, Linton Taylor; Vice Regent, Thomas Agee; Scribe, Milton Harbonnier; Corresponding Secretary, Richard Gloor; and Treasurer, Charles Hoerr.

For the first time in the history of Delta Beta chapter, a man has held the office of Regent for the second time. Brother Taylor held the office of Regent in 1942 before he left for the Army.

Yours in H & T,
Robert E. Delahanty

Intermountain Has Founders' Day Double-Header

Dear Brother Howe:

On April 28 the following officers were elected: President, Ellis W. Barker, Lambda '24; Vice President, Edward Harrison Snyder, Beta '11; Secretary-Treasurer, C. Milton Anderson, Lambda '20. Honorary Board members are Blaine Watts, Lambda '34; William Jenkins, Lambda '44; Reed Bills, Lambda '47; Clayton Kimball, Lambda '36; George Walter Dinsie, Jr., Lambda '40; Otto Herres, Gamma '11; Erich J. Schrader? Alpha '01; and William James Goodwin, Gamma Beta '10.

Founders' Day was thoroughly celebrated with a banquet on October 18 at which Dr. T. J. Parmley, member of the University of Utah physics department, discussed "Induced Radio Activity and Some Applications." Other entertainment included the showing of a moving picture film, taken by the U. S. Navy, of the Bikini atom bomb experiment. Seventy-seven attended the banquet, it being the first time ladies were invited.

An impromptu luncheon was arranged in honor of R. W. Nusser, Grand Regent, who arrived on October 19. Members attending were: Ellis Barker, Lambda '24; C. Milton Anderson, Lambda '20; Reed Bills, Lambda '47; Otto Herres, Gamma '11; Otto Duke, Lambda '22; Edward H. Snyder, Beta '11; William Jenkins, Lambda '44; Clayton Kimball, Lambda '36; Wm. J. Goodwin, Gamma Beta '10; Claude Middleton, Lambda '43; Sherman Johnson, Gamma '32; Elton Pace, Lambda '30; Cyrus Bacn, Lambda '26; Al Sorensen, Lambda '28; A. Z. Richards Jr., Lambda '36; Hugh Lewis, Lambda '10; Fred Thomas, Lambda '10; R. W. Nusser, Zeta '29; Carl E. Painter, Zeta, '11; Wayne Turpin, Lambda '30; George W. Carter, Lambda '31; A. Z. Richards Sr., Lambda '01; Newell J. Kuhre, Lambda '21; Gordon Jensen, Lambda '46; Preston Linford, Lambda '44; and J. K. Richardson, Iota '12. Grand Regent Nusser gave an interesting and informative talk which was enjoyed by all.

Yours in H & T,
C. Milton Anderson
Secretary

K.C.A.A. Plans to Occupy Top Spot

Dear Brothers:

The Kansas City Alumni Association is again in full swing this fall as evidenced by the fine turnout at a picnic held at Brother Edwin Elliott's lake cabin on September 27. Twenty-eight including brothers and their families enjoyed the evening which included boat trips out over the lake followed by a grand picnic dinner.

The purpose of the picnic was to resume the activities for the fall season, to learn of the fine work done by several of the wives of the members in making draperies for the Zeta Chapter house, and the plans of the Zeta House Corporation. The Zeta alumni, enthusiastic over the outlook, took up a collection to buy a pair of end tables and lamps for the chapter house. Brothers Ed Elliott and George Feil were delegated to purchase suitable tables and lamps.

It was decided to have a stag meeting November 1. Brother Ralph Nusser, Grand Regent, offered his home as a meeting place. The invitation was gladly accepted. It is hoped that alumni living in the Kansas City area will be attracted into the fellowship of this fast growing group.

Our present officers are Brother Ashford M. Galbreath, Zeta '12, President and Brother Marvin S. Hensley, Zeta '30, Secretary-Treasurer. There are 12 paid members with a total of 17 on the mailing list. We are requesting all active chapters to review their alumni lists and send us names and addresses of all brothers living in the Kansas City area.

Brother Ralph Nusser, Grand Regent, is quite an active member among us and keeps us posted on all the affairs of the fraternity. It is hoped before long this association will rank among the best in membership and activity. If we are not "Number 1" now we will soon be. Keep your eye on "K.C."

Yours in H & T,
Marvin S. Hensley,
Sec.-Treas.

Los Angeles has Variety of Chapters Represented

Dear Brothers:

The Los Angeles Alumni Association held its first post-war meeting at Rodger Young Auditorium on May 19, 1947. Twenty-two members representing eight Theta Tau Chapters were present.

Following a fine dinner each member introduced himself, telling his Theta Tau Chapter and the work he was engaged in.

Brother Tom Douglas, who had been president of the association since 1943, presided during election of officers. The new officers are: President, R. A. Calhoun, Alpha; Vice President and Program Chairman, R. W. Van Velkinberg, Omicron; Secretary-Treasurer, J. W. Sumnicht, Lambda. Retiring President, Douglas, Beta; O. Z. Klopsch, Delta; W. H. Holzhauer, Delta; V. S. Matson, Lambda, and L. M. Nash, Beta, were appointed to the Executive Committee.

President Calhoun requested that Brother Klopsch tell of the operation of the Los Angeles Phelps Dodge Tube Mills. Brother Klopsch gave a brief and interesting story of the manufacture of copper tubing. During the discussion period that followed, Brother Holzhauer depicted similar operations in the manufacture of aluminum tubing.

Yours in H & T,
J. W. Sumnicht, Sec. Treas.

Dear Brother Howe:

Hold the presses! Here's a last minute item for the lost and found column.

Lost—An unknown number of Theta Tau Alumni in or near Los Angeles, California. Please contact the Los Angeles Alumni Association of Theta Tau concerning the whereabouts of these members. Phone or write R. A. Calhoun, Industrial Indemnity Co., 3780 Wilshire Blvd., Los Angeles, Calif., Phone: DRexel 4161 or J. W. Sumnicht, 4111 Verdugo Road, Los Angeles 41, Calif., Phone: Cleveland 6-4063.

The second of our twice-yearly business meetings is now in the records. After an excellent dinner our president, Bob Calhoun, called the meeting to order in the Rodger Young Auditorium in downtown Los Angeles. The principal business discussed was how to contact more of the Theta Taus lost in Metropolitan Los Angeles. It was decided to revise and supplement our mailing list. The Gear subscription list was suggested as a means of bringing our mailing list up to date.

Would it be possible for us to obtain names of members residing in or near Los Angeles from your subscription list? We will appreciate it very much if you are able to help us. We shall look for early word from you.

We hope to have the following item in the lost and found column of the next issue of the Gear. Found—All Theta Tau Alumni residing in or near Los Angeles, California.

Yours in H & T,
J. W. Sumnicht, Secretary

Editors' note: We are sorry but the upheavals of war made it impractical to keep up a geographical file so that information regarding the alumni in a particular locality is not readily available.

Twin City Alumni Have Fine Meeting

Dear Brother Howe:

The Twin City Alumni Association together with the active Alpha chapter of Theta Tau celebrated its 43rd Annual Founders' Day Banquet at Coffman Memorial Union on October 11, 1947. In addition to commemorating the inception of a fraternity based upon noble principles, the occasion was also used to honor Brother James A. Colvin, Alpha '14, who has since donated unselfishly of his time and efforts to the fraternity and is largely responsible for the present sound and secure status of Alpha chapter.

We were all very glad to again see and hear an old faithful Brother Dr. W. F. Holman, Alpha honorary, who just recently recovered from a serious heart ailment. Another old timer whom we always look forward to seeing and hearing is honorary Dr. Ernst H. Comstock who is retired from the School of Mines, but in spite of his advancing years is still as active and as good a "quip master" as ever.

For the past year the T.C.A.A. has been active but not as agressive socially as we might wish, for the apparent reason that everyone is too busy adjusting himself again to a normal routine of living.

A joint meeting of the T.C.A.A. and Alpha active chapter was held late last fall featuring a panel discussion on "Job Opportunities in the Engineering Field." The actives were very enthusiastic over tips received and the alumni equally pleased in being able to help the boys formulate a decision.

On January 7, 1947, the highlight of the

year, we had a dinner meeting at the St. Paul Athletic Club with Brother Erich Schrader, "The Grand Old Man of Theta Tau Fraternity," attending as honor guest. It was very inspiring to all of us to see and hear Brother Erich again who possesses amazing vitality, interest, and ability to inspire in his recounting of the basic principles on which our fraternity is founded. At this as at all recent meetings our T.C.A.A. president, Bob Graebner, acted as toastmaster and believe me he is a toastmaster "par excellence." Bob called on the following old timers to say a few words on behalf of the fraternity in general and their association with Brother Erich Schrader in particular: Walter H. Wheeler, '06; Dr. Elving H. Comstock, honorary; Dr. W. F. Holman, honorary; Jonet A. Colvin, '14, and George M. Shepard, '09.

Brother Erich Schrader gave a very interesting talk on the convention, activities of Theta Tau, founding of Theta Tau and basic principles of its founding. He also presented Theta Tau badges to recently initiated honorary members, Dr. Henry C. T. Eggers and Dr. Miles S. Kirsten.

The present officers of T.C.A.A. are as follows: President, Robert C. Graebner; Vice president, Harold H. Christoph, and Secretary-Treasurer, George F. Hupp.

Yours in H & T,

George F. Hupp, Sec. Treas.

Cleveland A.A. Wants to Contact Local Alumni

Dear Brother Howe:

It was my hope that I would get this letter to you in time for the next issue to the Gear. I received your letter notifying me of the dead line date for receiving news items and articles, but as the date of our annual Founders' Day dinner meeting came a few days later, I deferred writing until after that meeting in order to be able to give you the news up to the minute. Perhaps I deferred a bit too long, at least I hope not.

The Cleveland Alumni Association's annual Founders' Day dinner was held on Tuesday, October 22, 1947, as that was the earliest date suitable arrangements could be made. The dinner was held jointly with the active chapter at the Zeta Psi Fraternity House. There were present 32 active members and 22 alumni which total number was the maximum for the facilities of the fraternity house. Following his report, our President, Bruce Batt, called for an election of officers and the following were elected and inducted to office immediately: President, Leslie J. Reardon, Case Institute of Technology; Vice President, Calvin B. Dalton, 1044 Elbon Road, Cleveland Heights, Ohio; Secretary, Gustav Kodet, 2964 Ripley Road, Cleveland 20, Ohio; and Treasurer, Carl H. Ganzen Mueller, 2684 Scarborough Road, Cleveland Heights, Ohio.

On taking office, our newly installed president appointed a membership committee and ordered a concentrated effort to work toward a bigger and more active organization. A tentative program for the year was outlined. The next scheduled meeting is called for an evening early in February at the Case Club where among other events, the Alumni will have an opportunity to witness an initiation by the active chapter.

Our Alumni roster is continually growing but there are still many Theta Tau men at large in the vicinity of Cleveland particularly the more recent graduates. Their whereabouts should be made known and I would appreciate hearing from all of them so that I might add their names to the roster.

I trust this letter will reach you in time for the next issue of the Gear. In the meantime I will keep you informed of our activities and progress.

Yours in H & T,

Gustav Kodet, Secretary

Tired after a hard day, a distinguished congressman in Washington handed the menu back to the waiter and said: "Just bring a good meal." A good meal was served and the congressman gave the waiter a generous tip. "Thank you, sir, the waiter said, "and if you have any other friends who can't read, just send them to me."

"Sometimes I wish I had gone through college."

"What stopped you?"

"High School."

Alumni Notes

ALPHA

ZELNER, OTTO SAMUEL, Honorary, has retired as associate professor at the University of Minnesota and makes his home in Cass Lake, Minnesota.

ROSE, WILLIAM A., '06, has retired as manager of mines for Pickands Mather & Co. in Cleveland, Ohio and is now living at 612 West 16th Street, Long Beach 7, California.

CORBAN, ROLLO JUDSON, '09, is with Hawaiian Electric Co. in Honolulu, and can be addressed at Seaside Bungalows, Honolulu 11, T.H.

BARNUM, MARVIN C., '11, is now with the War Assets Corp., 50 Broadway, New York. Mail should be sent to his home address P.O. Box 284, Suffern, New York.

ROCKWELL, HARVARD SELDON, '14 is structural designer McKenzie-Hague-Simmons Co. in Minneapolis, and lives at 4819 Girard Avenue, South, Minneapolis, Minnesota.

GEER, GEORGE A., '11, is consulting engineer, Federal Works Agency, Office of Chief Engineer, 1124 Federal Works Bldg., Washington, D. C.

GILTINAN, DAVID M., '11, is president and general manager of the Eskew, Smith & Cannon Co. in Charleston, West Virginia. During the war he served three years as a Commander in the Navy.

MCGILVRA, DONALD R., '17, is General Superintendent of the Cia. Minera Aguilar, South American Tres Cruces, Jujuy, Argentina. This is a large zinc-lead mine owned by the St. Joe Lead Co. of New York. Brother McGilvra has been there for a number of years.

HAGERMAN, OLIVER S., '18, is vice president and manager of the United Fuel Gas Co., Charleston, West Virginia.

COE, EDWARD H., '19, Col. U. S. Regular Army Engineer Corps, is on the staff of the Chief of Engineers in Washington D. C. and lives at 2627 S. Grant Street, Arlington, Virginia.

GREYTUM, LEROY A., '23, and his family have moved to 6 Tanglewood Lane, Newark, Delaware, from Baker, Oregon, where they had lived for 13 years. He was Vice President of the local public utility in Baker. His present job is that of assistant to the president of Pusy & Jones Co., Wilmington, Delaware, machinery and ship-building concern. His oldest son, Jack, after three years in the Navy is attending the University of Delaware, the second son, Victor, is a high school senior, and the youngest son, Donald, is in the fifth grade.

SPENCER, RAYMOND D., '23, recently Col. U. S. Army, is now a civil engineer with offices at 821 Rowan Bldg., Los Angeles, California and lives at 1421 Belwood, San Marino, Calif.

JONES, ELMER A., '24, is assistant general mine superintendent for St. Joseph Lead Co. at Bonne Terre, Missouri.

LEWIS, BERKELEY R., '25, is now a Major in the regular army and intends to remain in the service. At the present time he is a student in the Industrial College of the Armed Forces in Washington D. C. and the family home is at 3203 North Globe Road, Arlington, Virginia.

HILGENDER, WINFRED CLINTON, '26, is now a commander in the regular Navy. He is an expert in airborne radar and will remain in the Navy. At present he is working on naval electronics development with headquarters in Washington, D. C. Home is at 5122 Northfield Road, Bethesda, Maryland.

PEARSON EINAR O., '27, is a partner in the Treat Engineering Co., 208 Plaza Court, Oklahoma City, Oklahoma and lives at 2108 NW 19th Street.

MORSE, ALBERT W., Jr., '29, Lt. Col. U. S. Army, was married to Louisa Spotswood Sprwance of Wilmington, Delaware on May 24, 1947, in Wilmington. He served in the European Theater, mostly in Italy.

ODELL, RAYMOND H., '32, who made his M.S. at Cal Tech in 1936, is now on the staff of the Western Airlines as meteorologist at the Los Angeles Airport. Home is at 15717A Brighton Avenue, Gardena, California.

GRAFENER, ROBERT CARL, '34, sends us a change of address. It's now 1101 Wynne Avenue, St. Paul 4, Minnesota.

HEINE, DONALD, '35, has been elected treasurer of the Alumni Association of the Institute of Technology, University of Minnesota.

MEYER, ROLAND C., '39, is vice president of Meyer & Sons, Inc., Mankato, Minnesota. He was a Major in the U.S. Army and served from January, 1941 to December, 1941.

COULSTON, RICHARD M., '40, resides at 11803 S. New Hampshire Avenue, Los Angeles 44, California.

LUNN, ROBERT J., '40, is employed by Donaldson Co., Inc., 666 Pelham Blvd., St. Paul 4, Minnesota. His address is 3131 28th Ave., S. Minneapolis, 6.

GOODMAN, LYLE O., Jr., '41, has a mailing address at P. O. Box 184, Virginia City, Montana.

SAUREN, JOHN H., '41, is back in the Twin City area and is now working for Pfeifer & Shultz Consulting Engineers. His home

address is 879 Selby, St. Paul, Minn.

DAHLBERG, HARVEY R., '43, announces the birth of a second daughter, Kathleen Ann, last December. He is assistant professor of industrial arts at Oregon State College in Corvallis, Oregon, but the family home is on Route 2, Philmath, Oregon.

ANDERSON, ROBERT R., '44, is now serving as stress analyst with United Helicopter Co. in Palo Alto. His address is 786 Moreno Avenue, Pala Alto, California.

ST. VINCENT, JOHN WM., '44, is a special engineer for Carnegie Illinois Steel Co. in Chicago.

COLLINSON, DEL, '43 worked for Boeing Aircraft in Seattle as an Aero engineer until last spring and is at present doing scattered bits of Civil and Mechanical engineering. He is considering taking a few courses at Oregon State in both C.E. and M.E. on the side. His permanent address is 550 W. Oak Street, Lebanon, Oregon.

DUSCHA, LLOYD, A., '45, visited the chapter house in October. He is now living in Bismark, North Dakota and working on the big Garrison Dam project which is the initial dam of the Missouri Valley Project.

BRETOI, REMUS N., '46, has been employed as a research laboratory analyst in the Aerophysics Laboratory of North American Aviation since August 1, 1946. Mail reaches him at 117½ 9th Street, Manhattan Beach, California.

EYBERG, QUENTIN, '46, is working on a construction job for M. W. Kellogg & Co. which is an oil refinery construction outfit. He expects to be sent to another project in Venezuela upon completion of the Baltimore job. His present address is 3113 Wisteria Avenue, Baltimore, Maryland.

JOHNSON, HARLAN, '46, is working for the Bethlehem Steel Corporation in Johnstown Pennsylvania. He likes his work and was fortunate enough to find a nice place to live. His address is 863 Franco Avenue, Johnstown.

BETA

MACKILLICAN, JAMES A., '06, of Hibbing, Minnesota, has had a Mesabi Range mine named in his honor by Butler Brothers Iron Mining Co. Jim first came to the Mesabi range in 1912 from Montana where he had been in charge of a mine at Wickes and later served as manager of the Meridan Iron Co. from 1921 to 1945. In 1934 he organized the Argonne Ore Co. whose properties, including the MacKillican mine, were sold to Butler Brothers. He has been a leader in research work for bringing marginal iron ores into the field of profitable production.

MILLS, HAROLD FRANCIS, '14, is manager of the Iron King Branch of the Shattuck-Denn Mining Co. in Prescott, Arizona and lives at 230 Park Avenue, Prescott.

KING, ROWLAND, '16, field engineer for the Sunshine Mining Co. is now in charge of the company's office, 611 Peyton Bldg., Spokane, Washington.

WHATLEY, WILLIAM J., '17, has offices as an engineer and contractor in Corpus Christi, Texas, and his mail should be sent to P. O. Box 3121.

DRIER, ROY W., '21, is again associate professor of Metallurgy at the Michigan College of Mines & Technology after service in the Navy.

DAUME, LLOYD E., '34, has left Bolivia and opened an office as consulting engineer with mailing address as Casilla 9091, Santiago, Chile, South America. For many years he was in charge of one of the mines managed by the late W. V. De Camp, Gamma '08.

WESTWATER, J. S., '34, is now located in Ishpeming, Michigan. His address is Cleveland Cliffs Iron Co., Mather Mine, "B" Shaft, Ishpeming, Michigan.

REID, IAN L., '36, was married to Mary Ellen Chinn, at Ely, Minnesota on July 11, 1947. He is assistant chief engineer of the Eastern district of the Oliver Iron Mining Co.

KUBILINS, EDWARD T., '42, may be addressed at 1401 S. Jefferson, Saginaw, Michigan.

WRIGHT, O. H., '44 gets his mail at P. O. Box 183, Brewster, Florida.

BORDEN, HAROLD M., '47, gives his address as Madison Avenue, Birmingham, Michigan.

WILLARD, ROBERT, '47, graduated in June. His permanent address is Coldbrook Road, Wilmington, Vermont.

GAMMA

BOATRIGHT, BYRON B., Honorary, formerly of the firm of Boatright & Mitchell in Houston, is now vice president of the Republic Natural Gas Co. and his present address is 1505 Federal Street, Dallas Texas.

GLASGOW, CHARLES M., '10, consulting engineer, has changed his address to 176 Middle Road, Santa Barbara, California.

DYRENFORTH, DONALD, '12, is now with the Dorr Co., 570 Lexington Avenue, New York

City, and lives at Thirty-six Pondfield Road, West Bronxville, Apt. 2-B, New York.

MAY, A. J., '12, mine superintendent at the Buchans Mine for the A.S. & R. Co. on Newfoundland, has completed his three-year job and returned to Salt Lake City, Utah, where he lives at the University Club.

FLINN, ALFRED R., '13, is now assistant engineer, New Jersey Zinc Co., Ogdensburg, New Jersey.

BURRIS, SAMUEL J., JR., '11, has moved to Pueblo, Colorado, where he is addressed c/o W. T. Burris, P.O. Box 614.

WINCHELL, JOHN H., '17, resigned as clerk of the Denver District Court to enter the general practice of law with offices at 203 Majestic Bldg., Denver 2, Colorado.

METZGAR, O. H., '19, formerly with Union Mines Development Co., is now with the Small Leasing Co., and can be addressed at 7 Gables Court, Wallace, Idaho.

CASE, WILLIAM B., '20, manager Crude Oil Dept., Shell Oil Co., Inc., is now located in the New York office, 30 Rockefeller Plaza, New York 20, New York.

LYNCH, VICTOR J., '29, mining engineer for the U.S. Bureau of Mines in Washington, D. C., can now be reached at Banning Hall, 3441 38th Street, N.W., Washington 16, D. C.

CLARK, JAMES A., '21, Vice President and Assistant Manager of the Creole Petroleum Corp., has been transferred from Caracas, Venezuela, to the New York Office of the company at 111 Lark Avenue, New York 21, New York.

PRENTISS, LOUIS W., '21, Col. Eng. Corps, Regular Army, U.S.A., is now District Engineer in Omaha, Nebraska.

CUNNIBA, HUGH M., '22, is a partner, Heirloom Company, 618 Lafayette Street, Denver, Colorado.

ROBERTSON, JOHN JR., 22, is now employed as assistant Civilian Chief, Weapons Division, Chemical Corps Board, Bldg. 217, Edgewood Arsenal, Maryland. Mail should be sent to P.O. Box 143, Bel Air, Maryland.

BOYDEN, EUGENE O., '21, mining engineer for the U.S. Bureau of Mines is living at 103 Rue Avenue, Reno, Nevada.

CRAWFORD, GEORGE WM., '23, long on our "lost list," is an architectural engineer, located at 220 21th Avenue, South, St. Petersburg, Florida.

JORDAN, CHARLES F., '21, who has been general superintendent of the A.S. & R. Co. in Santa Barbara, Chihuahua, Mexico, has returned north and can be addressed at 2900 Richmond Street, El Paso, Texas.

PARKINSON, LUTE J., '25, has changed his mailing address to Casilla 888, Antofagasta, Chile, South America.

MAHOOD, GEORGE P., '24, is sales engineer, Bethlehem Steel Co., 312 South Ashland Avenue, La Grange, Illinois.

ASHDEN, BARTON F., '21, is chief mining engineer for Motichand & Co. Mail should be sent to Apt. 43, 411 East 73rd Street, New York 21, New York.

CHRISTOPHER, JOHN, '21, is general manager of the Hogan Petroleum Co., and lives at 714 West Olympia Blvd., Los Angeles, California.

DELAHUNTY, FRANK E., '21, is back with his old employers the Baguio Gold Mining Co., Baguio, Philippine Islands.

GODDARD, HOMER A., JR., '21, is assistant division manager of the Gulf Oil Corp. in Pittsburgh and resides at 111 Inglewood Drive, Pittsburgh 16, Pennsylvania.

HUTTON, JOHN L., '21, is with General Electric Co. in Cleveland. Mail should be sent to his home at 17121 Lomand Blvd., Shaker Heights, Ohio.

LAVERTY, FRANK J., '21, mechanical engineer for the U. S. Bureau of Reclamation in Denver, announces the birth of a son, Terry James, on June 10, 1947. The family home is at 1601 South Marion, Denver, Colorado.

PARKINSON, GERALD H., '21, is now Mine Manager for Rhodesia Chrome Mines Ltd., Sebakwe, Southern Rhodesia, Africa.

BUNTE, ARNOLD S., '26, chief geologist for the Vickers Petroleum Co. has changed his headquarters to Room 1901 APCO Tower, Oklahoma City, Oklahoma.

DENNING, WAYNE H., '26, has returned from Brazil where he was manager for United Geophysical Co. He is now being addressed care of the company, 191 E. Colorado Street, Pasadena 1, California.

GRAHAM, W. T., '26, is manager of the Scranton Consolidated Mining Co., Kaslo, British Columbia.

LEMAIRE, GEORGE, '26, and Mrs. Doris Williams were married in Golden, Colorado on April 4, 1947. He is assistant professor in the Petroleum Refining Dept. at the Colorado School of Mines and they will make their home in Mines Park, Golden.

MATTSON, V. L., '26, is chief engineer for the Consolidated Feldspar Corp., Parkdale, Colorado. He has, however, retained his former position with the Carolina Minerals Co. which is a subsidiary of Consolidated Feldspar Corp.

O'CONNOR, JOHN H., '26, is now with Gibbs & Hill S. A. and lives at Avenida Emilio Castelar 209, Apt. 8, Mexico, D.F.

DORR, PHILIP, '27, is with the A.S. & R. Co. and can be addressed at P.O. Box 1111, El Paso, Texas.

LOCKE, EDGAR R., '28, supervisor of the Geophysical Division of the Texas Co. in Houston, has been transferred to the Denver office and resides at 1730 Niagara, Denver 7, Colorado.

MCNEELL, JOE, '28, is engineer, Cementation Co., Ltd., Bally Shannon County Donegal, Eire, Ireland.

SHAW, DOUGLAS M., '28, for many years in Bisbee, Arizona, is now chief engineer for the Pacific Coast Borax Co., Boron, California.

ADAMS, THEODORE, '29, mining engineer for Brown & Root, Inc., gives his mailing address as Box 107, Killeen, Texas.

CUNNINGHAM, PETER W., '29, Division Manager of the Industrial Equipment Co. of Oakland, has a new home at 17118 Reamer Road, Castro Valley, California.

MARCH, MARVIN B., '29, is now president of his own company, March Steel Corp. His home is at 417 West 68th Terrace, Kansas City, Missouri.

SIMMONS, PHILIP W., '29, has a change of home to 2024 Elizabeth Street, Salt Lake City 21, Utah.

WELLS, J. R. W., '29, is back with the Honolulu Iron Works Co. and wants his mail sent to Box 3102, Honolulu, T.H.

ZWICK, BENJAMIN F., '29, after 18 years in South America as a petroleum geologist etc., has been transferred to the New York office of the Standard Oil Co. of New Jersey, Room 2761, 30 Rockefeller Plaza.

BOWIE, KENNETH, '30, is District Superintendent, Shell Oil Co., Inc., Quitman, Texas.

FLEISCHMAN, C. L., '30, is general superintendent, Vulcan Mines Co., Ticlio, Peru, South America.

PATTEN, A. R., '30, wants his mail sent in care of The Texas Co., Box 277, Cut Bank, Montana.

WILLIAMS, ROBERT C., '30, is at home at 2211 N.E. Holman Street, Portland 11, Oregon. He is chief, Custody & Management Branch, Real Property Disposal, War Assets Administration.

BARKER, CLAUDE L., '31, welcomed a son on September 27, 1946, in Denver, Colorado, where the family lives at 1310 Eudora Street, Denver 7.

BONNET, CHARLES F., '31, is manager of the Petroleum Chemicals Dept., American Cyanamid Co., 30 Rockefeller Plaza, New York City.

MARSHALL, JOHN G., '31, is with The Fluor Corp. Ltd., and lives at 1026 Concha Street, Altadena, California.

CHASE, GAYLORD R., '32, has completed his hospital work in Galveston, and opened an office as Physician & Surgeon in Amarillo, Texas. Home is at 1012 Hayden Street, Amarillo. He says that a daughter, Julia Frances, was born Easter Sunday, April 6, 1947.

JOHNSON, SHERMAN H., '32, general superintendent of Combined Metals Reduction Co., has been transferred from Murray, Utah, to 6211 Highland Drive, Holladay, Utah.

PUTZ, HENRY T., '32, has entered private practice as consulting engineer and his mailing address is Box 417, Bulawayo, Southern Rhodesia, Africa.

HARRISON, ROBERT W., '33, has entered the consulting petroleum engineering business in association with Mr. R. B. Mitchell. The firm is known as the R. B. Mitchell Co., Consulting Geologists & Engineers, Petroleum & Natural Gas, with offices at 2218 City National Bank Bldg., Houston 2, Texas.

LINDSMAN, FRANK, Jr., '33, divisional engineer for Stanolind Oil & Gas Co., is now at 1624 Holman Street, Houston, Texas.

OSBORN, C. E., '33, informs us that his new address is c/o E. E. Osborn, 3344 Alcott Street, Denver 3, Colorado.

RIDGEL, ROBERT G., '33, has changed his address from 3871 Imperial Highway, Lynwood, California, to 38 Wildwood, Youngstown, Ohio.

RUSH, WILLIAM C., '33, is Ranch Manager, Redlands, Grand Junction, Colorado.

BELLM, CHARLES NEWTON, '34, is Managing Director, AEON International Corp., 4809 20th Street, North Arlington, Virginia.

TOWLE, CHARLES C., Jr., '34, has returned home and can be reached at Route No. 3, Grand Junction, Colorado.

COLAIANTI, JAMES, '35, has a change of residence to 4122 Grove Street, Denver 11, Colorado. He is the owner of the Metal Treating & Research Co. in Denver.

HALL, LEROY E., '35, is superintendent of the Pride Operations, and can be addressed at Box 277, Silverton, Colorado.

LAY, DENY L., Col. U.S. Army, is now stationed at Ft. Francis, W. Warren, Cheyenne, Wyoming.

NEILL, JAMES FALLS, '35, is drilling foreman for the Texas Co., P.O. Box 1270, Midland, Texas.

SMITH, PAUL, '35, Chief Inspector for the War Assets Administration, is now living at 1100 South Vine Street, Denver, Colorado.

TEUE, KENNETH D., '35, is Production Control Manager, Monte Enameling & Mfg. Co., Box 1, West Lafayette, Ohio.

TERCHIAN, THOMAS P., '35, with U. S. Vanadium should be addressed at Box 196, Henderson, Nevada.

VOELIN, MELVIN E., '35, is back with the U. S. Bureau of Mines, and is senior mining

engineer at the Salt Lake City, Utah, station. His home address is 1440 Perry Avenue, Salt Lake City 1.

ADAMS, GEORGE H., '36, is now party chief for Socony-Vacuum Oil Co. and his new address is Apartado 246, Caracas, Venezuela, South America.

HUNTINGTON, M. PARRY, '36, District Supt. for Stanolind Oil & Gas Co., should be addressed at P.O. Box 1633, Oklahoma City, Oklahoma.

LEONARD MORGAN, '36, employed by the Oliver Iron Mining Co., is now in Venezuela where he can be reached in care of the company, Apartado No. 3, Cuidad Bolivar, Venezuela, S. A.

MORRIS, CARL L., '36, is production engineer in charge of the plants at Springfield and Galloway, Missouri, owned by the Ash Grove Lime & Portland Cement Co. of Kansas City. He can be addressed at 1812 Meadowmere Lane, Springfield, Mo.

PARKER, JACK MCKNIGHT, '36, is prospect engineer for the Miami Copper Co., Miami, Arizona.

RIPLEY, GEORGE H., '36, plant manager for Hercules Powder Co., has been transferred to Parlin, New Jersey.

ALLEN, GEORGE H., '37, is mining industry specialist, Worthington Pump & Machinery Corp., and lives at 1001 12th Street, Golden, Colorado.

APPLETON, JAMES A., '37, after three years in the navy is back with Goodman Mfg. Co., of Chicago and represents them in Canada. His home is at 72 McCamus Street, Kirkland Lake, Ontario.

BROWN, STEPHEN J., is Design Engineer, Mining Department, Bethlehem Steel Co. and lives at 730 West Union Blvd., Bethlehem, Pennsylvania.

MEYER, ADOLPH EUGENE, '37, is mill superintendent, Cia Aramayo de Mines en Bolivia, Casilla 674, La Paz, Bolivia, S. A.

PEYTON, E. F. Jr., '37, formerly with the Bolivian Tin & Tungsten Corp. is now with the Bethlehem Chile Iron Mines Co. and can be addressed at Casilla 19-D, La Serena, Chile, South America.

BRUMBAUGH, L. E., '38, has left his position with the Atlantic Refining Co. to become general superintendent at the Marion, Ohio office of the Continental Contracting Co. Mail should be sent there to P.O. Box 52.

JENKIN, GEORGE F., '38, is engineer for the Ohart Investment Co., 1960 Shula Vista Way, Hollywood, California.

SCANLON, RICHARD J., '38, lives at 111 Dolomite Street, Berger, Texas.

STRAIN, WILLIAMS E., '38, is geophysicist for the Superior Oil Co., Oil & Gas Bldg., Houston, Texas.

ANDERSON, L. D., '39, is with Climax Molybdenum Co. at Climax, Colorado.

BLAIR, ROBERT J., '39, superintendent of the Diamond Coal Mining Co., should be addressed at Dolomia, Alabama.

BREWER, LOUIS JULIAN, '39, is now employed by the Cerro de Pasco Copper Corp., Julcani, Peru, S. A.

DETMAR, ARTHUR O., '39, is geologist for the Magnolia Petroleum Co., and lives at 2201 Harden Drive, Oklahoma City, Okla.

FINLAY, RALPH G., '39, gives his address as 2225 East 11th Avenue, Denver 6, Colorado. He also announces the arrival of Ralph Jr., on December 21, 1946.

GILSON, GEORGE H., '39, is mining engineer for the American Rolling Mill Co., Mountcoal, West Virginia.

HOPKINS, JOSEPH B., Jr., '39, who graduated at the University of Alaska in 1941, is now associate mining engineer in Fairbanks, Alaska for the Alaska Territorial Department of Mines. He was formerly with the U. S. Vanadium Co. at Rifle, Colorado.

LIDDLE, J. W., '39, examining engineer for the Nicuba Mines Ltd., can be reached care of Midwest Diamond Drilling Co., Flin Flon, Manitoba, Canada.

MCDONALD, HARLEY J., '39, is engineer for the Telephone Co., 601 Penrose Avenue, Loves Park, Rockford, Illinois.

PEDERSEN, E. R., '39, sends in his mailing address as follows: 924 Fine, Fresno, California.

SWARTZ, TENCIO G., '39, is engineer for the U. S. Plywood Corp. and resides at 45 Highview Avenue, Old Greenwich, Conn.

YOUNG, HERBERT L., '39, is engineer for Wagner & Martinez, Contractors, P. O. Box 1879, San Francisco, California.

BLYTHE, JOSEPH G., '40, Lieutenant, U. S. Army, is superintendent of production Artillery Ammunition Div., Frankford Arsenal, Pa. He lives at 3100 Lansing Street, Philadelphia, Pennsylvania.

DOWLIN, DONALD D., '40, announces the birth of William Arthur Dowlin on December 16, 1946, in Ward, West Virginia, where Brother Dowlin is division engineer for the Kelley's Creek Colliery Co.

DUFFEE, REEVE M., '40, and Miss Alice R. Medlinger were married in Roslindale, Massachusetts on June 9, 1946, at the home of the bride's mother. He is now in the Canal Zone and can be addressed at Box 878, Diablo Heights.

DYE, C. MAC, '40, who has been at Kellet Washington, can now be addressed at P.O. Box 487, Kellogg, Idaho.

FILLO, PAUL V., '40, in the contracting business, has moved to Denver and lives at 3615 East Iliff Street. He gave notice of a second son, Stephen Dane, born December 2, 1946.

NAGEL, FRED A., '40, with U. S. Gypsum Co.

in Geneva, New York, resides there at 147 High Street.

Parin, Everett M.,' 40, mine shift boss at the Pine Creek Mine for U. S .Vanadium, Bishop, California, was injured in a blast underground last fall and was in bed for some time with a broken ankle and torn up leg.

Sinclair, A. T., '40, scout for the Vickers Petroleum Co., is now stationed in Oklahoma City and can be addressed at 222 NW. 16th Street.

Yeager, George G., '40, has left Dutch New Guinea in South America, and is now in the main office of the Aluminum Ore Co. Mail should be sent to his home on R. R. #4, Wilson Lane, East St. Louis, Illinois.

Cerf, Charles J., '41, is resident engineer, Fullerton Oil Co., Box H, Hobbs, New Mexico.

Crow, Walter L., '41, is now with the E. I. DuPont de Nemours Co. and can be addressed at 2001 Wyoming Street, Pueblo, Colorado.

Gieskieng, David H.,'41, is employed by Allis-Chalmers Mfg. Co., and wants his mail sent to 1489 South 84th Street, Milwaukee 14, Wisconsin.

Haymaker, Edward R., '41, is with Phillips Petroleum Co. and can be reached at Box 816, Dumas, Texas.

Hennebach, Ralph L., '41, Lt. (jg) USNR at the time he was released from the service, was married in Denver on September 14, 1946, to Miss Mary Lou Johnston, the daughter of Mr. and Mrs. Fred R. Johnston of Denver. He is now a metallurgist with the A.S. & R. Co. at their El Paso Smelting Works in El Paso, Texas.

Hershberger, Gary W., '41, assistant computer for the Carter Oil Co., is now stationed in Tulsa where he can be addressed at 1803 East 23rd Street.

Janakka, Wilford E., '41, is a mining engineer employed by A. C. Lee, Consulting Engineer, Noranda, Quebec, Canada.

Patty, Walter Lamar, '41, announces the birth of a son, Michael Lamar, on March 4, 1947. Brother Patty is a mining engineer for Peter Kiewit Sons Co. in Sheridan, Wyo.

Schiele, William R., '41, is a chemist, E. I. DuPont de Nemours & Co., Inc., C.M.E. Dinamita, Durango, Mexico.

Taylor, Randall H., '41, announced the birth of a daughter, Virginia, on July 23, 1946, in Price, Utah, where he is a contractor.

Woon, Arthur G., '41, is Foreman, Peter Kiewit & Sons, Contractors, Big Horn Construction Co., Sheridan, Wyoming.

Fenn, John F., '42, is petroleum engineer for the Stanolind Oil & Gas Co., Thermopolis, Wyoming.

Fredericksen, Thomas R., '42, who is in the Raw Materials Laboratory, Bethlehem Steel Co., has a new home address at 1121 Oak Street, Lebanon, Pennsylvania.

Hankey, James P., '42, has left the Stanolind Oil & Gas Co. and is now field engineer of the Gas Engineering Dept. of Public Service of Northern Illinois. His new mailing address is 732 Ruba Place, Evanston, Illinois.

Kerrick, George A., '42, is on the faculty of the department of geology, Montana School of Mines, Butte, Montana.

Klingman, Owen, '42, is being addressed at P. O. Box 878, Cheyenne, Wyoming .

Leonard, James R., '42, announces the birth of Sally Margaret on July 1, 1947 in Bishop, California, where he is Junior Highway Engineer for the State of California.

Muller, Charles E., '42, is metallurgist for the Ingersoll-Rand Co. at their eastern plant and lives at 371 Bates, Phillipsburg, New Jersey.

Murray, Earl N., '42, is with the Mining Department, Stearns-Rogers Mfg. Co., 1720 California Street, Denver 2, Colorado.

Stockmar, Ted P., '42, and Miss Suzanne L. Harl, were married in St. Thomas Episcopal Church, Washington, D. C., on February 14, 1947. After being discharged from the service he enrolled in the law course at Denver University. At present they are residing at 863 South Steele Street, Denver, Colorado.

Anderson, Ernest R., '43, is mining engineer for the Quebec Gold Mining Corp., and can be reached at Pioneer Mines, British Columbia, Canada.

Gallagher, Robert H., Jr., '43, is a graduate student at the University of Minnesota and can be addressed at his home, Route 1, Box 203, Excelsior, Minnesota.

Hopper, Robert A., '43, is Engineer in Training, Colorado Fuel & Iron Corp., and lives at 711 Humboldt Street, Denver 3, Colorado.

Keil, Robert W., '43, and Miss Neta Ehler, daughter of Mrs. Wm. Ehler of Denver, were married on February 2, 1947, in the First Presbyterian Church in Fort Dodge, Iowa, where he is plant chemist with the U. S. Gypsum Co.

Shelton, William F., '43 is working for Humble Oil & Refining Co and when in Houston can be found at the Lamar Hotel.

Smith, Eugene H., '43, lives at 128 Grand Avenue, Borger, Texas.

Ward, Kenneth W., '43, Captain U. S. Army, is with the Standard Oil Co. of California and mail should be sent to him c/o Standard 11-C, Taft, California.

Brown, T. Walter, '44, assistant geologist for the Union Oil Co., is now addressed P. O. Box 980, Laramie, Wyoming.

CHAMBERLAIN, DONALD L., '44, Industrial Engineer, Gulf Corp., has a new residence address at 529 Morewood Avenue, Pittsburgh 13, Pennsylvania.

HEDLUND, THOMAS C., '44, is junior engineer for Telluride Mines, Inc. Mail should be sent to Box 133, Telluride, Colorado.

LOCKE, ROBERT D., '44, is petroleum development engineer for Standard Oil Co. of California. His address is Box 97, Avenal, California.

ANDERSON, JOHN C., Jr., '45, is now a mining engineer with the Permanente Metals Corp., Kaiser Bldg., 1924 Broadway, Oakland, California.

MCQUINN, M. J., '46, is engineer, Division of Process & Design Standard Oil Co. of California, and is addressed at Room 470, 261 Bush Street, San Francisco 20.

MOE, RICHARD F., '46, is engineer for Cia Minera Asarco, Minas Tecolotes Y Anexas, Santa Barbara, Chih, Mexico.

BIEBER, EDWIN D., '47, is now with the A. S. & R. Co. in Mexico and can be addressed c/o Cia. Minera Asarco, S.A. Santa Barbara, Chihuahua, Mexico.

LOVE, CHARLES M., '47, received the William D. Wiseman award of $100 at the Colorado School of Mines Commencement in June which is given each year to the graduating senior "whose conduct and scholarship have been most nearly perfect and who has most nearly approached the characteristics of an American gentleman."

MCKEEVER, JOHN H., Jr., '47, is with the California Standard Co., 700 Lancaster Bldg., Calgary, Alberta, Canada.

DELTA

WILSON, THOMAS ROBINSON, '17, is purchasing agent for the Coleman-Patterson Corp., 2130 St. Clair Avenue, Cleveland, Ohio and resides at 3493 Northcliff Road, Cleveland Heights, Ohio.

KLOPICH, OTTO Z., '22, is acting as plant manager of the Los Angeles Division of the Phelps-Dodge Copper Products Corp.

ABBOTT, GEORGE M., '23, is First Secretary at the American Embassy in Paris, France. Readers of THE GEAR will remember that he arrived in Manila just two days before Pearl Harbor and was in internment until December, 1945.

EDWARDS, ROBERT JOSEPH, '23, is engineering for the National Engineering & Contracting Co. in Cleveland, and lives on Richmond Road, Bedford, Ohio.

RUBLY, GRANT R., '28, formerly at Oracle, Arizona, can now be addressed at Box 117, Route 1, Aumsville, Oregon.

SMITH, HARRY W., Jr., '30, is now vice president of John Mather Lupton Co., 420 Lexington Avenue, New York and lives at 66 Milton Road, Rye, New York.

JAMES, R. W., '34, has moved from 234 Lumdale Avenue, Dayton 8, Ohio to 18310 Scottsdale Blvd., Shaker Heights, 22, Ohio.

KORNHAUSER, BEN A., '34, announces the birth of a daughter. He is a metallurgist with the Navy Department in Washington, D. C.

RANNEY, NEIL, '34, is now chief engineer of Broden Construction Co. in Cleveland, Ohio.

PFENNIGHAFF, JAMES J., '37, is now equipment engineer of the Erie Works, General Electric Co., locomotive division, and his home address is 4021 East Lakes Road, Lawrence Park, Erie, Pennsylvania.

NAUERT, AUSTIN G., '38, has moved from Chicago to New York City. His address is Room 1631 c/o American Tel. & Tel. Co. 32 Avenue of the Americas, New York 13, New York.

ENGLEHARDT, RICHARD A., '38, has moved to 3046 Parktowne Road, Parkville, Baltimore 14, Maryland.

LOONEY, JOHN, '38, announces the birth of Marcia Jean on December 13, 1946.

CARLSON, CARL A., '39, has been made contract manager of the roofing department for the Cleveland Unit of the Philip Carey Mfg. Co.

SNOW, DONALD, '39, is a Captain in the regular corps of the United States Public Health Service and detailed to the Pan-American Sanitary Bureau. He is stationed in Washington, D. C.

BOLZ, RAY E., '40, has been attending Yale University working on his Ph.D. He is on leave of absence from the N.A.C.A. Laboratory in Cleveland. His present address is Madison, Connecticut.

HORSBOUGH, DONALD, Delta '40, announces the arrival of a daughter, Diana, October 1, 1946.

BUCKWITH, ROBERT W., '41, has a new home at 231 Shaver Avenue, North Syracuse, New York.

BYERS, EDWARD, '41, Captain, U. S. Army Air Corps, expects to be in Caribbean area for some time. His address is 806th Engr. Avn. Bn. APO, c/o Postmaster, Miami, Florida.

DEEMS, NYAL W., '41 sends his correct address as 1893 Wymore Avenue, East Cleveland 12, Ohio.

EICHLER, JACK, '41, graduated from Columbia University in June 1946, having received an M. S. in Industrial Engineering. He is back with the Reliance Electric & Engineering Co. in Cleveland.

GREENWOOD, IVAN, '42, is project engineer at

the General Precision Laboratory, Pleasantville, New York.

HERTZ, LESTER M., '42, announced the arrival of Billy Michael, born November 12, 1946.

MILLER, RODNEY B., '42, is installation engineer for Harper J. Ransbury Co., Indianapolis, Indiana. He sent word of the birth of a son January 21, 1947.

MORGAN, OREN W., '42, is with the Worthington Pump & Machinery Corp. in Holyoke, Massachusetts.

SMALLWOOD, CHARLES, '42, is an assistant in the Graduate School of Engineering at Harvard University.

SOWERS, GEORGE F., '42, is at Harvard's School of Engineering.

MANUEL, ERNEST H., '43, has moved to 14240 Garfield Avenue, Lakewood, Ohio.

NAUMBAUM, WILLIAM, '44, is with the Leeds & Northrup Co. in Philadelphia, Pennsylvania.

SCHMALTZ, CHARLES B., Jr., '41, has notified the Fraternity that his name has been legally changed to Charles Byron Small. His home address is 20620 Erie, Rock River 16, Ohio.

NASH, HARRY, '46, announced the birth of a son December 3, 1946, in Cleveland.

KOEPKE, EDWARD H., '47, may be addressed at 771 North Rockhill, R.F.D. 1, Alliance, Ohio.

EPSILON

HEDE, RALPH, '12, is reported to have retired from the Shell Co. and his present mailing address is Box 408, Route 12, Houston, Texas.

TRASK, PARKER DAVIES, '17, is back with the U.S.G.S. in Washington, D. C. and lives at 8 Edgehill Drive, Alexandria, Virginia.

WISER, EDWARD, '17, is secretary of the San Francisco Section, American Institute, of Mining Engineers, with offices at 204 Sharon Bldg., 11 New Montgomery Street, San Francisco 5, California.

KERR, RICHARD CALDWELL, '19, geologist for the Arabian American Oil Co., 200 Bush Street, San Francisco, California, lives at 3019 Dana Street, Berkeley, California.

STEWART, ROBERT J. G., '23, is consulting geologist for the Lockhart Oil Co., 2000 Milam Bldg., San Antonio, Texas, but mail for him should be sent to Box 1917, Corpus Christi, Texas, where he has his headquarters.

DONALDSON, WILFRED G., '24, is president of the New Idria Honduras Mining Co., P. O. Box 171, Tegucigalpa, Honduras, Central America.

LAKE, CHARLES L., '24, is now chief geologist of the Texas Gulf Oil Co. in Houston, Texas.

RAND, WILLIAM W., '26, is with Union Oil Co. of California making his headquarters in Santa Barbara, California.

ALLEN, JOHN E., '32, is now associate professor of geology at Penn State College, State College, Pennsylvania.

FITCH, ALBERT A., '32, is with a British Subsidiary of the Seismograph Service Co., No. 3A London Wall Bldgs., London, E.C. 2, England.

GOLDSMITH, LOUIS, '32, is plant superintendent of the Shell Oil Refinery in Wilmington, California. The family home is in Compton, California.

SHEFFIELD, ROGER M., '33, is safety engineer for the Industrial Indemnity Co., 310 Sansome Street, San Francisco, Calif. He lives in Filbert Avenue, Chico, Calif. as he represents the company in that section.

HOGLE, JAMES E., '33, holds a number of important jobs. He is managing partner of J. A. Hogle & Co. which has nine offices in mountain states and southern California. He is also assistant manager of the Rico Argentine Mining Co., a member of the Board of Education in Salt Lake City, and this year President of the Salt Lake Stock Exchange, not to forget that he reports four sons.

POE, JOSEPH HERBERT, '34, is eastern division engineer for the Socony-Vacuum Co. and gets mail at Apartado 246, Caracas, Venezuela.

THOMAS, CONRAD WARD, '36, is safety engineer for the Los Alamos Scientific Lab., Santa Fe, New Mexico.

REPECKA, A. L., '37, is working for the Superior Oil Company in Midland, Texas and asks that mail be sent to P. O. Box 510, Midland.

BENTON, THOMAS, '40, and family are living in Avenal, California where he is assistant petroleum engineer for the Kettleman-North Dome Association.

THOMAS, BLAKEMORE EWING, '40, is a partner in Lee Taufenbach & Associates, 2404 W 7th Street, Los Angeles 5, California. Home is at 1100 Avondale Road, San Marino 9, California.

AUGUST, GEORGE R., '41, is petroleum engineer, Long Beach Oil Development Co. and lives in Whittier, California.

HAMILTON, WOODMAN C. Jr., '42, is in Anchorage, Alaska as a civil engineer with the Civil Aeronautics Administration.

VASQUEZ, CARLOS, '43, sent in his address as P.O. Box 801, Bogota, Columbia, South America.

ZETA

ACKERS, DEANE E., '17, was honored at the Commencement of the University of Kansas in June by being cited for the University's Award for Distinguished Service in his field of endeavor. He is president of the Kansas Light & Power Co. in Topeka, Kansas.

BARTELL, ALBERT R., '17, is County Engineer, Cedar County and lives in Tipton, Iowa.

OLSEN, HERBERT A., '22, is director of the Public Administration Service, 821 Market Street, San Francisco, California, and lives at 1541 Juanita Way, Berkeley, Calif.

CARLSON, EVERETT E., '21, reports that his daughter, Joyce Carroll, is now two years old. He runs the Power Regulator Office and they live at 6671 Washington Avenue, St. Louis, Missouri.

JOHNSON, OLIVER K., '26, Lt. Comdr. USNR, on being released by the navy has opened an office as a consulting engineer in Topeka, Kansas and the family resides at 1617 Grove Avenue, Topeka.

CABOT, GEORGE H., '28, after three years in the Seabees, is now chief engineer for the Cabot Companies in Pampas, Texas, and the family lives at 1200 Christine Street, Pampa.

KUNTER, CARRIE D., '28, is working on television transmitters for RCA in Camden, New Jersey. He has been with the company for sixteen years. Home is at 606 W. Maple Avenue, Merchantville, New Jersey.

SMELTZER, V. O., '28, has a new home at 1260 College Avenue, Topeka, Kansas.

BUSEY, DANIEL L., '29, is with the Tennessee Eastman Corp., in Kingsport, Tenn.

BOEHM, EDWARD ALBERT, '32, is with the Merchants Delivery Co. in Kansas City, Mo., and lives at 620 SW Blvd., Kansas City, Mo.

KITE, MAURICE B., '32, is with the Massman Construction Co. in Kansas City and lives at 8100 Mercier Street.

JOHNSON, D. MARCUS, '33, was a lieutenant in the Army Engineers but is now back with the Empire Mutual Insurance Co., Epperson Bldg., Houston, Texas.

WILSON, RALPH N., '33, was a navy lieutenant, and after discharge resumed his old position as engineer, Corps of Engineers, Office of Chief Engineers, War Department, Washington, D. C. He lives at 3900 Hamilton Street, Apt. L-302, Hyattsville, Maryland.

BENZ, LEWIS W., '37, is now located in Oklahoma. His address is P. O. Box 214, c/o Phillips Petroleum Co., Guyman, Oklahoma.

KUELZER, VICTOR, '37, is with the Bureau of Reclamation, Branch of Project Planning, South Interior Bldg., Washington, D. C.

BARNETT, DONALD ARTHUR, '38, is assistant manager of the Methods Analysis Dept. of United Air Lines, P. O. Box 3000, South San Francisco, California and resides at 19-11th Avenue, San Mateo, California.

JANZEN, HERMAN, '39, and family are in Brazil for an extended stay. The mailing address is c/o American Consulate, Belem, Para, Brazil, S. A. He is sanitary engineer for the Institute of Inter-American affairs and reported the birth of William Roomer Janzen, November 26, 1946.

MACKUEN, HUGH, '39, reports the birth of a daughter, Jenna, December 29, 1946. The family home is at 41 F. Street, Tonawanda, New York.

MITCHELL, ALEXANDER C., '39, sent in his mailing address at 21A Sunnyside, University of Kansas, Lawrence, Kansas, his permanent address being 1431 MacVicar, Topeka, Kansas.

ROGERS, RAYMOND MARVIN, '39, is engineer for Clyde C. Kennedy, Consulting Engineer, 604 Mission Street, San Francisco, Calif., and lives at 1521 3rd Avenue, Oakland, Calif.

RETHMAN, VINCENT C., '40, major, U. S. Army, gives Seneca, Kansas as his permanent address. He is remaining in the army air forces. At present he is Air Material command liaison officer at the flight propulsion laboratory of the N.A.C.A. at Cleveland, Ohio, airport.

THUDIUM, FRANCIS N., '40, is a design engineer with Consl. Vultee Aircraft Co., and with his family resides at 3014 Union Street, San Diego, California.

ARBUCKLE, THOMAS E., '41, announces the birth of Thomas Richard III December 26, 1946. The family home is at 1290 West 17th, Hutchinson, Kansas.

DULL, WILLIAM C., '41, picks up his mail at Box 1247, Bartlesville, Oklahoma.

DOMINGO, FRANCIS JULIAN, '42, is engineer in the Bridge Department, State Highway Commission, Masonic Temple Bldg., Topeka, Kansas. He lives at 1601 Harrison Street, Topeka.

MUNNINGER, DORUS, '47, reports the birth of Linda Anne September 10, 1946. The family lives at 2446 S. Mead, Wichita, Kansas.

SAGE, REX RUSSEL, '42, captain, U. S. Army, of Oberlin, Kansas, has been sent to Japan by the army on a three-year tour of duty.

DEAN, GERHARD, '43, says that his address is always changing but mail will be forwarded to him if sent in care of Mrs. Dan Dean, Glen Elder, Kansas.

MOSER, THEODORE HARRISON, '43, is a Civil Engineer, State Highway Commission, Ma-

sonic Temple Bldg., Topeka, Kansas, and lives at 1908 Randolph Avenue, Topeka.

MAY, RALPH W., '44, has moved to 19C Elizabeth Road, Hampton, Virginia.

SHAAD, DAVID, '44, and Donna Jean Morris were married February 1, 1947 in Oskaloosa, Kansas. He is an electrical engineer with Black & Veatch and they live at Lake of the Forest, Edwardsville, Kansas.

LEARNED, DONALD, '41, released from the navy, is attending the School of Business at Harvard in Cambridge, Massachusetts.

SMITH, LAWRENCE R., '45, is in the research department of the Westinghouse Corp. and home is at 117 Cording Avenue, Baltimore 12, Maryland.

PAULETTE, CHARLES, '46, announced the birth of a son, Charles Thomas, January 18, 1947. The family home is at 7820 Constance Avenue, 3N, Chicago 49, Illinois.

BROTHERS, ROBERT, '47, and Miss Shirley Carl were married June 20, 1947 in Independence, Kansas. They are at home in Bartlesville, Oklahoma.

ETA

DEFREMERY, DONALD, '11, has moved to San Francisco where he represents the Union Ice Co., the organization he was with for many years in Southern California.

HUFF, THOMAS, '13, is with Management & Research, Inc., Primos, Pennsylvania.

HILL, LUCIUS T., '17, who lives in Brookline Massachusetts, has been made director of housing for the John Hancock Mutual Life Insurance Co. He was formerly a partner of the Loomis-Sayles & Co. of Boston and manager of the Flintkote Co. He is a director in the Northern Railroad, The Franklin Savings Bank and other enterprises.

FOSTER, WILLIAM CHAPMAN, '18, has been appointed undersecretary of commerce by President Truman. He is president of Pressed & Welded Steel Products Co.

ETTER, HAROLD PEARSON, '20, is Division Manager R. R. Sales of the Air Reduction California and lives at 710 East Carrillo Avenue, San Mateo, California.

HARVEY, ALEXANDER DUER, '21, is executive vice president of The Duer Co., 170 Lexington, Avenue and lives at 1171 Park Avenue, New York, City.

OWENS, GEORGE F. B., '21, after his tour with the Navy has returned to his job as assistant vice president of the Brooklyn Union Gas Co.

RUSSELL, WM. M., '22, has been elected president of the National Apartment Owners Association.

NOWELL, JOSEPH, '23, was Lt. Comdr., CEC, USNR, and is now assistant manager of the engineering department of the General Electric Realty Corporation, Schenectady, New York.

DUNLAVEY, EDWARD, '24, is in charge of sales for the Habirshaw Wire Division, Phelps-Dodge Copper Products Corp., 40 Wall Street, New York City.

HARTSHORNE, ROCHWELL, '24, is with the Consolidated Steel Corporation in Los Angeles, California.

WATERMAN, MARSHALL, '24, is now with the Electrical Testing Laboratories, New York City.

BUTLER, THEODORE HERRICK, '25, announces his marriage to Ethelind Chapman Reed of Marblehead, Massachusetts, on October 20, 1946. He is with the Green Mt. Power Corporation, Montpelier, Vermont.

ROGERS, ROBERT W., '26, Lt. Col. U.S. Army, formerly in Alexandria, Virginia, is now in Barrington, Rhode Island.

WALLACE, ROBERT, '27, has left the Marmon-Herrington Co. to become executive engineer for the Diamond T. Motor Car Co. of Chicago.

HARTSHORNE, EDWARD, '28, is now assistant research director for the Western Cartridge Co., East Alton, Illinois.

JOPP, RALPH, '28, announces the birth of a son, Theodore William, on March 8, 1947.

MCCUNE, CURTIS, '29, is now purchasing agent for the Hercules Powder Co. Wilmington, Delaware.

TOPPING, CHARLES HENCHMAN, '29 is principal arch. Engr. for the Civil Engineering Department, E. I. DuPont de Nemours Co., Wilmington, 98, Delaware.

THETA

BARKER, JOSEPH, Honorary, has changed his home address to 45 Beechmont Drive, New Rochelle, New York.

BARRETT, THEODORE, H., '14, is teaching at Robert College, Istanbul, Turkey. He is teaching structural geology and giving various courses in structural design and surveying.

WILLIAMS, EDWARD INGHAM, '14, is now president of the Riverton Lime & Stone Co., Fort Royal, Virginia.

WORMSER, FELIX EDGAR., '16, has resigned as secretary of the Lead Industries Association to become assistant to the president of the St. Joe Lead Co., 250 Park Avenue, New York City.

Pope, Darwin J., '21, who has been manager of the S. W. Division of the American Smelting & Refining Co. has been appointed general manager of the entire Western Mining Department of the company with headquarters in Salt Lake City, Utah.

MacVean, Gordon, '21, formerly manager of the mining department of the Mine Safety Appliance Co. is now president and general manager of the Beckley Machine & Electric Co., Beckley, West Virginia.

Howell, Henry W., '26, and Hannah G. Johnson were married on June 4, 1947. He is vice president of Cushman & Wakefield, Inc. in New York City.

Ingle, Charles Robert, '26, who lives in Bronxville, New York, is manager of metal sales for the St. Joe Lead Co. in New York City.

Darnell, James L., Jr., '28, is geologist for The U. S. Bureau of Reclamation in Amarillo, Texas.

Duerbeck, Richard A., '28, returned from his duties as Lt. Col. with A. A. F. Headquarters and is living at 244 Kent Place Blvd., Summit, New Jersey.

Grant, Forest, Jr., '31, is a civil engineer with the Board of Water Supply 120 Wall Street, New York City and resides at 194-21 113th Avenue, St. Albans, New York.

Knapp, R. H., '31, has been appointed chief engineer for the H. C. Frick Coke Co., in Pittsburgh, Pennsylvania. He had previous experience in Peru with Cerro de Pasco and during the war was with BEW as senior coal mining engineer.

Heffelfinger, Heaton B., '32, is with Stanco Distributors (Standard Oil of New Jersey). His home address is 23 Washington Avenue, South Nyack, New York.

Ludeman Richard H., '33, released from the army with the rank of Major, is located at 232 Yale Avenue, Berkeley, California.

Smith, Albert J., '36, is General Manager of International General Electric Co. S. A., Inc., Apartado 11, Medelin, Colombia, S. A.

Donelian, K. O., '37, is living at 67 Outer Drive, Oak Ridge, Tennessee.

Dumbrequet, Joseph F., '37, and Eleanor M. Clark of Flushing, New York, were married on September 14, 1946. He is with the firm of Campbell, Brumbaugh & Free, 90 Broad Street, New York.

Arnold, Robert J., '39, is engineer of costs with Merritt, Chapman & Scott Corp. Peekskill, New York.

Britz, Norman C., '39, was appointed assistant superintendent of the Inspection Department of the Huntington Works of the International Nickel Co. Home is at 1931 Underwood Avenue, Huntington 1, West Virginia.

Galvin, Ralph B., '40, announced the birth of a son, Ralph Edmond. Brother Galvin is mechanical engineer with the Bunstead-Woodford Co. and lives at 2148 West 99th Street, Seattle 7, Washington.

Lyon, Lewis E., '40, gives his home address as 44 North Pearl Street, Buffalo 2, New York.

Taylor, Robert L., '40, has moved to 20 Bedford Drive, Wilmington 261, Delaware.

Vermeulen, William, '41, is a requisition engineer General Electric Co., River Road, Schenectady, and wants mail sent to P. O. Box 52, Rexford, New York.

Chilcrovich, John, '42, is a mechanical engineer with the Navy Department and lives at 2901 South Columbus Street, Arlington, Virginia.

Kenny, John D., Jr., '42, is engineer with the W. S. Bellows Construction Co., 716 North Everton Street, Houston, Texas.

Plonst, George W., '42, can be addressed at 1222 Galbraith Plane, Plainfield, New Jersey.

Stanziano, Arthur J., '42, has moved to East Durham, New York.

Bartels, John P., '43, was released from the army last June and is now with the General Seafoods Corp.

Burns, James F., '43, is with the Mahoney-Troast Construction Co., Main Avenue, Passaic, New Jersey.

Griffiths, William T., '43, has moved from Wilmington, Delaware to 1611½ Quarrier Street, Charleston, West Virginia.

Helm, John L., '43, has moved to 854 Riverside Avenue, St. Clair, Michigan.

Higginbottom, Samuel Logan, '43, is the Unit Head, Service Engineer with Trans World Airlines at Newcastle Airlines at Newcastle Airbase, Wilmington, Delaware and lives at 197-08 111th Avenue, St. Albans, 12, New York.

Keachie, Menutchier, '43, lives at 32 Hanley Road, Buffalo 16, New York.

Laxar, Francis H., '43, is addressed at 109 Fayette Pike, Montgomery, West Virginia.

Maher, Thomas F., '43, is stress analyst with the Pilotless Plane Division of the Fairchild Airplane & Engine Co., Farmingdale, New York.

Mylucci, Benedict F., '43, is with the Chemical Engineering Department of the American Cyanamid Co., Stamford, Connecticut.

Pietrantoni, Manuel Antonio, 43, is a civil engineer for the State Planning Board in Puerto Rico and gives his mailing address as Magdalena Avenue, Stop 48, Santurce, Puerto Rico.

Snavely, Donald D., '43, discharged as a Lieutenant, U.S.N.R. is metallurgical engineer, Apparatus Research Dept., Air Reduction Sales Co., 181 Pacific Avenue, Jersey City, New Jersey.

MUSAL, FRANK, '44, is reported to be stationed on Iwo Jima.

PETSH, HENRY J., '43, retired from the Navy as Ensign. His home address is 615 Adee Avenue, Bronx, New York.

HAHN, JEROME R., '46, is assistant to the Maintenance Superintendent with Art Color Printing Co., Dunnellan, New Jersey.

KIRKADDON, CHARLES C., Jr., '46, released from the Navy as an Ensign last July, is now with the Aluminum Co. of America, but "where" is unknown to us.

IOTA

WEIMER, EARL J., '17, has a new address at Box 999, Virginia Tech Station, Blacksburg, Virginia.

BARNWELL, GEORGE F., '22, geologist for Standard Vacuum Oil Co., returned by plane to the Dutch East Indies in January. His family are living in Popham Hall, Scarsdale, New York.

GORDON, JOHN P., '23, gives his home address as 1917 West Main Street, Jefferson City, Missouri.

MURPHY, RAYMOND E., '23, is professor of economic geography at the graduate school of Clark University, Worcester 3, Massachusetts.

PENCE, HARRY S., '23, is now with Sverdrup & Parcel, Consulting Engineers, 1118 Syndicate Trust Bldg., St. Louis, Missouri.

ZOLLER, H. E., '23, has his home at 1900 East First, Wichita, Kansas.

PARLEY, JAMES L., '25, is chief engineer for the Bureau of Bridges, Missouri State Highway Department. Home is at 812 Moreau Drive, Jefferson City, Missouri.

RATHBONE, STUART M., '25, is superintendent of construction for the U. S. Veterans Construction Service of Washington, D. C. His home address is 2724 Home Place, Dearborn, Michigan.

VALERIUS, C. N., '25, has a new home at 441 Gladstone, Shreveport, Louisiana.

SMITH, C. CABANNE, '26, is engineer and geologist for the Second National Bank in Houston, Texas. During the war he served as a Lt. Col. in the U. S. Army.

WHITE, RONALD M., '26, is assistant city engineer in Kansas City, Missouri. Home is at 5604 Holmes Street, Kansas City 4, Missouri.

LUCKFIELD, CHARLES F., '27, is with Standard Pipe Co. in Tulsa and lives at 1703 S. Jamestown, Tulsa 4 Oklahoma.

BURR, LOUIS J., '28, oil geologist, can be addressed at 227 South Morrison Avenue, Collinsville, Illinois.

COUCH, ROBERT W., '28, is with the Missouri State Highway Department in Jefferson City and lives at 304 Hamlin Street.

MACHIN, WILLIAM BENNETT, '28, Captain, U. S. Regular Army, gives 2104 Minor Street, Ft. Wayne, Indiana as his mailing address.

DOYER, T. J., '30, has his home at 6710 Marshall Avenue, Hammond, Indiana.

THOMAS, MERLIN F., '30, is with the Steel & Tube Division, Republic Steel Corporation, and lives at 38 Wendle Avenue, Bedford, Ohio.

CRAWFORD, EDWIN O'NEAL, '32, is engineer for the A. E. Staley Mfg. Co. in Decatur, Illinois and lives at 1688 W. Decatur Ave.

MACRI, ARTHUR S., '32, is a mine superintendent for the Copper Range Co. at White Pine, Michigan.

MACKLIN, FLOYD S., '32, is back with the U. S. Corps of Engineers in Kansas City, Missouri and lives at 912 Charlotte, Kansas City, Missouri.

OFFUTT, JAMES JOSEPH, '32, is manager for the A. P. Green Firebrick Co., Weston, Ontario, Canada. Home is at 71 Royal York Road, Toronto, Canada.

HUNT, T. W., '33, is now located at 2322 N. Calvert Street, Baltimore 18, Maryland.

MEWSON, GEORGE HANLEY, '33, is metallurgist for the General Chemical Co. Home is at 1017 12th Street, Boulder, Colorado.

WENGER, CYRIL J., '33, is working for Shell Oil Co. in Wood River, Illinois. His home address is 8723a Riverview Blvd., St. Louis 21, Missouri.

NICKEL, ELMER J., '35, is with the Ralston Purina Co. in St. Louis. Mail should be sent to Box 102, R.R. 3, St. Louis 11, Missouri.

LUDER, WALTER W., '37, is with Alcoa and lives at 419 Vernon Street, New Kensington, Pennsylvania.

TAYLOR, MARSHALL W., II, '37, gives his mailing address as Box 1130, Alice, Texas.

CARROLL, JOSEPH F., '38, announces the birth of a son on July 28, 1947, at the family home in Pittsburg, California.

ELLIS, J. CRAIG, '38, is with Superior Plating & Rust Proofing Co. He lives at 1151 West Calhoun Blvd., Minneapolis, Minnesota.

ROBERTSON, CECIL W., '38, is assistant superintendent of construction for the E. B. Badger & Sons Co. of Boston, Massachusetts. His home address is 740 McKinley, Nederland, Texas.

OBERBECK, WILLIAM F., '39, is employed by Joseph T. Riverson & Son in St. Louis, Missouri. Home is at 27 Orchard Lane, Kirkwood, Missouri.

POST, JOHN R., '39, lives at 1441 N. Lunn Avenue, Chicago 11, Illinois.

REIKE, VERNON W., '40, is with Alcoa and

lives at 1300 Woodmont Avenue, New Kensington, Pennsylvania.

Boyd, Robert K., '41, is a superintendent of the Guy F. Atkinson Co. in Long Beach, California but lives at 1924 Pimenta Avenue, Bellflower, California.

Hardine, Kenneth L., '41, was married on March 1, 1947, in Christ Church Episcopal in Rolla, Missouri, to Miss Margaret Timberman. They are living in Galesburg, Illinois, where he is employed by the H. H. Gunther Construction Co.

Engle, Gordon, '42, is with the Micro Switch Division, First Industrial Corporation P. O. Box 161, Freeport, Illinois.

Loesing, Vernon T., '42, Major, U. S. Army, is addressed at 463 AAF Base Unit, Geiger Field, Washington.

Wolff, L. C., '42, Lieutenant, U. S. Navy, should be addressed at 7311 Flora Avenue, Maplewood 17, Missouri.

Cohann, R. Kent, '43, is now quarry superintendent for the U. S. Gypsum Co. in Genoa, Ohio.

McMath, Robert P., '43, has changed his address to 919 Sanders Drive, St. Louis County 19, Missouri.

Radavich, Fred., '43, is reported to be at M.I.T.

Thomas, George H., '43, is with Creole Petroleum Corp., Apt. 172, Maracaibo, Venezulela, S. A.

Butzer, Harold G., '44, informs us that his mail should be sent to 722 Mulberry Street, Jefferson City, Missouri.

Fraser, James F., '44, sent in his address as Bolckow, Missouri.

Miller, George J., '44, moved from St. Louis to 10 West 9th North, Provo, Utah.

Simons, Sanford L., '44, is metallurgist and partner in the firm of Alldredge & Simons Laboratory. Mail should be sent to 2049 Champa Street, Denver, Colorado.

Van Os, John H., '44, is an instructor in electrical engineering, Tulane University, and living at 6321 Feret Street, New Orleans, Louisiana.

Schmidt, Robert F., '45, is metallurgist for the Joslyn Mfg. & Supply Co. in Ft. Wayne, Indiana.

Fesler, Carney C., '46, can be addressed at 45 North Louisiana Avenue, Cape Girardeau, Missouri.

Goodwin, Reo E., '47, since graduation has been employed by the Stanolind Oil and Gas Company as a geological scout as part of his training as a geologist. Mail should be sent to P. O. Box 1540, Midland, Texas.

KAPPA

Hickey, Daniel W. Jr., '17, who had the temporary rank of Brig. General during the war, has now been returned to his permanent rank of Colonel in the regular army and can be addressed c/o The Adjutant General, War Department, Washington, D. C. His permanent address is 601 West Healey Street, Champaign, Illinois.

Flannery, Charles A., '17, former colonel in the engineers, is now manager of sales of the Josua Hendy Iron Works, Sunnyvale and Torrance, California.

Metz, A. Russell, '22, has been promoted to assistant general manager of operations, Cerro de Pasco Copper Corp., La Oroya, Peru, South America.

Hopper, Charles Mayfield, '27, is engineer for Sverdrup & Parsons, 915 Olive Street and lives at 3841 Lindwood Street, St. Louis, Missouri.

Morrison, Ray E., '27, Lt. Comdr., USNR, has been released from the service and has returned to the Illinois Bell Telephone Co. in Chicago. During the war he served under the director of electronics, Chief of Naval Operations in Washington. His home is at 8029 Keeler Avenue, Skokie, Illinois.

Culler, John P., '31, is manager of the Work Analysis Department, United Airlines, P. O. Box 1000, South San Francisco, California.

Ketchum, Milo Smith, '31, has offices as consulting engineer at 831 14th Street, Denver 6, Colorado and lives at 930 Jackson Street, Denver.

Reinhardt, Charles Orville, '34, Comdr. U. S. Navy, will remain in the Navy and gives his permanent address as 1604 West University, Champaign, Illinois. He announces the birth of a son on July 28, 1947, in Jacksonville, Florida.

LAMBDA

Stott, George F., '11, with Empresa Minera de Nicaragua, Managua, Nicaragua, Central America, was formerly chief engineer for Neptune Gold Mining Co. at Bonanza, Nicaragua.

Browning, George L., '21, is with the U. S. Bureau of Reclamation in Klamath Falls, Oregon.

Duncan, Albert Ferguson, '22, is engineer for the War Assets Administration in Salt

Lake City, and lives at 274 South Main Street, Tooele, Utah.

TERRY, IRA ANDERSON, '21, works manager of the Ft. Wayne Division of General Electric Co., lives on Upper Huntington, Rt. 6, Ft. Wayne, Indiana.

GREULICH, BERNARD JAMES, '34, is now Estimator, The Midstate Construction Co., 1299 Bush Street, San Francisco, California where he resides at 4310 Fulton Street.

JACOBSEN, S. CLARK, '14, resides at 14708 Morrison St., Sherman Oaks, California.

GREENE, HAROLD F., '31, may be addressed at 11473 Saticoy, North Hollywood, Calif.

REINHOLD, RICHARD SAMUEL, '36, is structural engineer for the Boeing Aircraft Corp., Seattle, Washington. His home is at 11049 Park View Avenue, Seattle.

BUERLEY, WILLIAM L., '38, is now in the engineering research department, Standard Oil Co. of Indiana, 910 S. Michigan Avenue, Chicago 80, Illinois. Home is at 304 Belden Place, Munster, Indiana.

ADAMSON, JAMES M., '40, wants his mail sent to 4410 Marseilles St., San Diego 7, Calif.

BECKENDORFER, JUSTIN S., '40, moved to 326 Angenette, Kirkwood 17, Missouri.

VENABLE, BOYD W., '40, is no longer with the Rico Argentine Mining Co. but has become general superintendent for the Carlson Sandburg Mining Corp., P. O. Box 111, Lordsburg, New Mexico.

LAMBE, THOMAS WILLIAM, '42, can be reached c/o C. E. Department, M.I.T., Cambridge 39, Massachusetts.

VARLEY, CHARLES RAYBOULD, '43, is Field Engineer, Clements & Co. of Hayward, California and resides at 17081 Rogerio Avenue.

LINFORD, PRESTON DEE, '44, can be reached at 2843 Eccles Avenue, Ogden, Utah.

MU

MORLEY, S. D., '21, is Vice President of the America Cast Iron Pipe Co. in Birmingham and wants mail sent to him at that address.

CONNAWAY, M. B., '25, is working as a mining and safety engineer in Little Rock, Arkansas. He lives at 2413 Louisiana, Little Rock.

PEERSON, JOHN WILLIAM, '26, is a partner of the engineering firm Peerson & Hedman, 924 Chattanooga Bank Bldg., Chattanooga 2, Tennessee.

AYRES, C. M., '27, is superintendent of power at the Gulf States Paper Co., at Tuscaloosa, Alabama and lives at 23 Buena Vista Drive, Tuscaloosa.

SPEAKE, PAUL M., '27, has offices at 103 Bell Bldg., Birmingham 3, Alabama.

LANDELL, ALDEN W., '30, is assistant manager of Construction Products for the Connors Steel Co. Mailing address is P. O. Box 912, Birmingham, Alabama.

CLAUS, WILLIAM G., '31, is working as an engineer for a contractor in Schenectady. His address is R.F.D. #2, Schoharie, New York.

ESTABROOK, JAMES, '31, is vice president and general manager of Motors Rebuilders Inc., 7400 N. Peters, New Orleans, Louisiana. His home is at 174 Woodvine, New Orleans.

EVANS, ROBERT EDWARD, '31, is sales representative of the Standard Lime & Stone Co., Youngstown, Ohio, and lives at 4320 Chester Drive, Youngstown 7.

PALME, FRANCIS JOSEPH, '31, who was a Lt. Col. in the army, is now safety engineer Branch 1, Veterans Administration. Mail should be sent to 2017 Spring Valley Drive, Apt. A, Marietta, Georgia.

DUBRENCE, JOSEPH J., '33, picks up his mail at P. O. Box 3821, Miami, Florida.

FARRELL, ANDREW A., '33, lives on Oak Tree Road, Mountainside, New Jersey.

SIMMONS, ALBERT R., '33, after being discharged from the service with the rank of Lt. Col. is now employed by the Walker Oil Co. in Jasper, Alabama.

STUBBEVANT, ROBERT N., '33, can be addressed c/o American Broadcasting Co., 28 Rue de Berri, Paris, France.

ALDRIDGE, JOHN F. JR., '34, is employed by the McDonnell Aircraft Corp., Lambert-Municipal Airport, St. Louis, Missouri.

DANIEL, KENNETH R., '36, retired from the army as a Lt. Col. and gives his home address as 128 Hawthorne Road, Birmingham, Alabama.

LIGHT, JOHN H., '38, can be reached at 726 Jackson Avenue, Falls Church, Virginia.

NOLEN, JAKE T., '38, received his doctorate from M.I.T. and is now with DuPont in New Jersey.

BERG, KENNETH D., '39, is civil engineer for the J. W. Goodwin Engineering Co. Inc., and resides at 1301 S. 20th Street, Apartment A2 in Birmingham.

COLEMAN, CHARLES H., '39, is in the Aerodynamics Department of the Chance-Vought Aircraft Corp. in Stratford, Connecticut.

HOFFNER, RICHARD F., '39, Lieutenant, U. S. Army, announces the birth of a daughter, Betty Ann, on November 25, 1946. He is stationed at Wright Field, Dayton, Ohio. Home is at 1506 Epworth Avenue, Dayton Ohio.

HOLMES, GEORGE H., '39, lives at 423 E. Washington Street, Ann Arbor, Michigan.

BAYER, KENNETH H., '40, electrical graduate has entered the University of Pennsylvania to take a course in electronics under the sponsorship of the War Department. His

address is Major Kenneth H. Boyer, Hdq. A6F, CA Br. CMB, Room 3E161, Pentagon, Washington, D. C. He joined the regular army some months ago.

CZARNECKI, K. R., '40, lives at 16D, Elizabeth Road, Hampton 16, Virginia.

SCHEEN, LOREN B., '40, can be addressed at War Department Inteligence Division, Scientific Branch, Room 2A678, Pentagon Bldg., Washington, D. C.

SUTT, WILLIAM T., '40, is with the Chicago Bridge & Iron Co. and lives at 7821 Sparta Avenue, Birmingham, Alabama.

ADAMS, CLINTON WYMAN, '41, is engineer for the Goodrich Rubber Co. of Akron, Ohio, but mail should be sent to him at 1001 Queen City Avenue, Tuscaloosa, Alabama.

BUNCE, FRANK E., '41, is a stress analyst for the Grumann Aircraft Engineering Corp. His mailing address is 231 Nassau Avenue., Huntington, New York.

GREENE, JOHN H., '41, via the "change of address" card informs us that his new address is 79 Mountfort St., Boston 11, Mass.

PRATER, PETER G., '41, process engineer with the DuPont Co. at Old Hickory, Tennessee, lives at Hollywood Street, Goodlettsville, Tennessee.

AUSTIN, T. LOUIS, '42, is in business for himself in mine construction in Birmingham, Alabama. His address is 1411 N. 21th Street, Birmingham 4, Alabama.

BANTA, STANLEY, '42, chemical engineer with the Chemical Construction Corp. in New York City, gives his home address as 87-17 211th Place, Queens Village, Long Island, New York.

HARTON, ROY GORDON, '42, is engineer for the laboratory for Electronics Inc., 618 Newbury Street, Boston, Massachusetts. His home address is 8 Prescott Street, Cambridge, Massachusetts. He did graduate work at M.I.T. after leaving Alabama with a B.S. in E.E.

HAMIL, JOHN C., '42, has been sent from Louisville, Kentucky to Jackson, Mississippi, to work for the Mississippi Products Co. as a junior engineer. He and his family live at 632 Heidelberg Hotel, Jackson.

MCKINNON, JULIAN THOMAS, '42, is engineer for Procter & Gamble Co. and lives at 306 Wyoming Avenue, Cincinnati 15, Ohio.

PICKENS, CECIL R., '42, asks that mail be sent to him at 314 Hope Street, Bristol, Rhode Island.

ACKERMAN, KENNETH G., '43, is now enrolled at the Missouri School of Mines for graduate work. His address is Dorm M, Room 1, Missouri School of Miner, Rolla, Missouri.

DWYER, JAMES J., '43, employed by the Ekco Products Co., gives his mailing address as 316 North 10th Street, Cambridge, Ohio.

ELLIS, ELON ELLSWORTH, '43, is an assistant engineer, Boeing Aircraft Corp., in Seattle and lives at 2407 North 41st Street, Seattle, Washington.

FINKBEINER, GEORGE A., '43, returned from Japan last year and wants mail addressed to him at 53 Victoria Avenue, Buffalo, New York.

JOHNSON, HAROLD A., '43, 12 Savin Avenue, Norwood, Massachusetts, is working as an electronics engineer for The Electrodyne Co. He now has three children—two girls and a boy.

LEROY, J. RUSSELL, '43, M.S. '47, is now with the Shell Chemical Co. in Houston, Texas.

MILLER, WILLIAM E., '43, can be addressed at P. O. Box 63, Wading River, Long Island, New York.

READY, JOSEPH A., '43, received a Master of Science degree from Lehigh University October 1, '47 and has accepted a position as Research Aerodynamicist with the 8½' x 12' Variable Density Wind Tunnel Group at the Cornell Aeronautical Laboratory. His address is: Wind Tunnell Section, Cornell Aeronautical Laboratory, 4411 Genesee Street, Buffalo 3, New York.

ROSE, CHARLES W., '43, is civilian electrical engineer for Hq. Com. EUCOM, Engineers and his address is *something*, viz. 116th Eng. Comp. Sv. Grp. HQ Comd. EUCOM, A.P.O. 757, New York.

SAWYER, JAMES T., '43, is working as a mechanical engineer for Monsanto Chemical Co., Anniston, Alabama.

SLOMAR, JOHN M., '43, is junior engineer for the Cleveland Pneumatic Tool Co. and lives at 7147 Broadway, Cleveland 1, Ohio.

STARKEY, EDWARD WILLIAM, '43, is supervisor of Flight Tests, Goodyear Aircraft Corp., Akron, Ohio and gives his mailing address as 2610 Twelfth Street, NW, Canton 3, Ohio.

WENDELL, CLARENCE JOSEPH, '43, is with the Westinghouse Electric Corp. as a Jr. Engineer at their plant in South Philadelphia, Pennsylvania.

WILSON, WALTER S., III, '43, is working for the Alabama Gas Co. and the family home is at 10 Berkley Apartments, Gadsden, Alabama.

TORRES, A. R., '44, is working for USED as a structural engineer in San Juan. His mailing address is Box 4919 San Juan, Puerto Rico.

WEEMS, FRANK T., '44, is doing graduate work at M.I.T. He can be reached at the Graduate House, Cambridge, Massachusetts.

MARSHALL, MILTON H., '45, should be addressed as follows: V. S. 7, Apt. 8, University of Maryland, College Park, Maryland.

STANDLEY, BRYAN HAL, '45, is with the Southern Coach Mfg. Co., Inc. at Evergreen, Alabama. Mail should be sent to Box 2,

Evergreen.

CROCKETT, DAVID W., '46, is flight test engineer for the Chance-Vought Aircraft and lives at 27 Selleck Place, Stratford, Conn.

KIZZIAR, JAMES E., '46, is with the Alabama Power Co. in Gadsden as a civil engineer. Home is at 306 South 4th Street.

REY, WILLIAM K., '46, was married to Miss Ruth J. Vickey on November 27, 1946, in Tuscaloosa, Alabama. He has been working for his Master's degree and has been employed in the University Department of Mechanics. Home is at 1214 Riverside Drive, Tuscaloosa, Alabama.

KEITH, R. STANLEY, '47, can be reached at Box 1916, University, Alabama. He is taking graduate work there.

MCINNIS, JAMES RAY, '47, gives his address as P. O. Box 112, Brunswick, Georgia.

NU

ROHLICH, GERARD ADDISON, HONORARY, professor of Sanitary Engineering at the University of Wisconsin, wants his mail sent to 2102 Kendall Avenue, Madison, Wis.

PLANTE, T. W., '23, has been made superintendent of the Elisa Department, Pittsburgh Works, Jones & Laughlin Steel Corp. He was formerly superintendent of blast furnaces in the Cleveland plant.

HOLLINGSWORTH, C. N., '24, was elected president of the Pittsburgh Equipment Distributors Assn. He is assistant manager of the Dravo-Doyle Co.

MAJOR, JOSEPH C., '24, gives his home address as 2302 West 78th Place, Inglewood, Calif.

MCDONALD, MICHAEL D., '24, lives at 23 Taft Street, Buffalo, New York.

SCRIMGEOUR, C. MAXWELL, '25, helped organize an independent bank in Montgomery County, Maryland adjoining Washington, D. C. He is a member of the firm of William A. Scrimgeour, Engineer & Contractor, of Washington, D. C.

CARSON, ALPHEUS F., '26, is the owner and manager of the Kit Carson Fruit Grower at Homestead, Florida.

SMITH, VINCENT B., '26, is now living in Chicago where he is acting as Western Editor for the Engineering News-Record and Construction Methods, two McGraw-Hill publications.

DALTON, DONALD G., '27, has been appointed General Patent Attorney for the U. S. Steel Corp. with offices in the Koppers Bldg., Pittsburgh, Pennsylvania. After receiving his B.S. in M.E. at Carnegie he earned his LL.B. at Pittsburgh. He became associated with U. S. Steel in 1919.

VAUGHAN, WILLARD S., '27, long on our "lost" list, is found to be local manager of the Bell Telephone Co of Pennsylvania, 1080 Fifth Avenue, New Kensington, Penn.

PUTT, DONALD E., '28, Deputy Chief of Engineering Division, Air Materials Command, has received the temporary rank of Brig. General.

WIEBEL, ARTHUR V., '28, has been appointed vice president in charge of operations of the Tennessee Coal, Iron & R.R. Co. with headquarters in Birmingham, Alabama.

MAYNE, RICHARD D., '30, has been appointed plant manager of the Hannibal, Missouri plant of the Universal Atlas Cement Co.

MORRIS, JACK E., '32, former Colonel U. S. Army, is doing special work at the Benson Mine, New York, for the Jones & Laughlin Steel Co. His address is P. O. Box 118, Star Lake, New York.

UFFELMAN, WILFRED R., '33, is district engineer for the Bodine Electric Co., 4100 Euclid Avenue, Cleveland 3, Ohio. Home is at 3393 Seaton Road, Cleveland Heights 18, Ohio.

DAVIS, MARION F., '34, was one of a group of scientists that went with Admiral Byrd on his recent expedition to the South Pole regions. He headed a group of four research men from the U. S. Naval Ordnance Laboratory in Washington, D. C.

HARVEY, JOHN M., '41, is addressed at 212 S. Jefferson, Punxsutawney, Pennsylvania.

LUDERER, VALENTINE DIETRICH, '34, is now superintendent of the technical section, Sabine River Works, E. I. DuPont de Nemours Co., Port Arthur, Texas. Home is at 3008 Forest Avenue, Port Arthur.

CARLSEN, ROBERT W., '35, is a cost analyst with Carnegie-Illinois Steel Corp. and lives at 764 Harrison Street, Gary, Indiana.

COLE, EARLE R., '35, lives at 2731 Elmwood Street, Cuyahoga Falls, Ohio.

SEEGER, JOHN S., '35, is at Columbia University studying for his M.S.

APPLEGATE, WALTER F., '36, is still with the Hercules Powder Co. and is back at the Missouri Ordnance Works as assistant plant engineer.

JUTTER, LAWRENCE, '36, now Ph.D., announced the birth of a daughter, Karen Eileen, on April 17, 1946. He is senior metallurgist for the Monsanto Chemical Co., Clinton Laboratories. The home address is 102 Kingfisher Lane, Oak Ridge, Tennessee.

LIGHTCAP, RICHARD CLIFFORD, '36, is with the Carnegie Illinois Steel Corp. in Youngstown, and gets his mail at 333 Park Avenue, Youngstown 4, Ohio.

MERTZELL, RAYMOND F., '36, Associate Profes-

ser of Economics at the University of Virginia, addressed the Canadian Institute of International Affairs at the University of Toronto last December.

DAUGHTON, GLENN B., '37, Major, U. S. Army, Signal Corps, returned from China last spring to be assigned to new duties.

RADABOV, J. F., '17, states that a daughter, Anne Worthing, arrived in his home on October 17, 1946. He is chief of aerodynamics at the Glenn L. Martin Co. Home is at 628 Woodbine Avenue, Towson 4, Maryland.

COPP, JOSEPH H., '18, has bought a new home on the shore of Oneida Lake, Constantia, New York.

EDWARDS, DAVID G., '39, sent in a change of address. It's now 880 Seventh St., Richmond, California.

SHAFFER, FRED W., '39, has a son, John David, born August 30, 1946. Fred is industrial engineer with the U. S. Naval Gun Factory and home is at 1941 4th Street, S.E., Washington 20, D. C.

ROTZLER, ROSS WILLIAM, '40, is chemical engineer for the Monsanto Chemical Co. in St. Louis, Missouri and lives at 16 Putman Place, Kirkwood, Missouri.

BUB, ROBERT A., '42, is now living in Pittsburgh. His address is Morrow Drive, Pittsburgh 21, Pennsylvania.

HORIGAN, DANIEL LEE, '42, is eastern field engineer for the Cone Drive Division, Michigan Tool Co., 7200 E. McNichols Road, Detroit 12, Michigan.

LEBON, C. B., '42, gives his address as 100 South Berkeley Avenue, Pasadena 10, Calif.

O'BRIEN, JOHN TERRANCE, '42, is a structural designer, Rust Engineering Corp., Heinen Bldg., Pittsburgh, Pennsylvania and lives at 1110 East Beau Street, Washington, Penn.

RUBIN, JOSEPH, '42, has a new address at 104-21 68th Drive, Apt. B-47, Forest Hills, New York.

STEEL, ARTHUR E., '42, was awarded the Legion of Merit for "exceptionally meritorious services" in the development of mobile oxygen generating plants.

SHANK, MAURICE E., '42, is an instructor in metallurgy at M.I.T. while working on his doctorate.

DUNN, ROBERT, '43, announces the birth of a daughter, Bonnie Jean, on October 6, 1946. The family home is at 1423 Page Drive, Pittsburgh 27, Pennsylvania.

HOVIS, JAMES E., '44, is an instructor in mathematics at Cal. Tech.

PHILLEO, ROBT. E., '44, is a research engineer for the Portland Cement Association in Chicago.

RIGGLE, JOHN W., '41, is at the Engineering Experimental Station of DuPont in Wilmington, Delaware.

SHERMAN, ALEX, '46, is a test engineer for General Electric Co. in Erie, Pennsylvania.

COLLIER, SAMUEL L., '47, is with Shell Chemical Corp., Box 2527, Houston, Texas.

NICHOL, DAVID L., '47, since graduation has been employed by Commercial Solvents Corporation, Dixie Chemical Division, Sterlington, Louisiana, as a research chemical engineer. His address is 502 S. Riverfront, West Monroe, Sterlington.

PETERSEN, JERARD M., '47, is with the General Electric Co. in Schenectady, New York.

XI

LIDDLE, GEORGE FREDERICK, '27, Major Engineer Corps, U. S. Army, is Post Engineer, Romulus Army Airfield, Romulus, Michigan and lives at 1607 6th Street, Muskegon, Michigan.

LASCHE, RUSSELL HERBERT, '28, lives at 3433 75th Street, Jackson Heights, New York.

OMICRON

HERRICK, THOMAS, '21, visited this office this fall. Tom is still with the Sanitary District in Chicago. He has a daughter at Iowa University taking pharmacy.

MEAD, CHESTER, '23, a pediatrician from Bakersfield, California, returned to homecoming this year to enjoy a reunion of the famous 1922 Football team.

MARNER, PAUL B., '24, with the Chicago Sanitary District, put in an appearance at homecoming this year.

FAY, LARRY, '21, is in the battery business at Corydon, Iowa. He was in Iowa City recently when he brought his daughter in for an operation.

NIELSEN, ERWIN GEORGE, '26, is planning engineer for the U. S. Bureau of Reclamation and lives at 121 Avenue K, Boulder City, Nevada.

BOWEN, JAMES BURDETTE, '27, is assistant superintendent, repair division, San Diego Gas & Electric Co. and lives at 3337 Felton Street, San Diego, California.

CARLSON, AL, '27, has recently left Colfax, Iowa and has gone to Oscaloosa, Iowa where he is manager of the electrical utility. His family remains in Colfax, while Al pounds the sidewalks looking for a house.

RAUSCH, EARL, '31, returned to Rock Island following his army service and is working

with the Corps of Engineers.

STEARNS, RAYMOND, '38, is with the U. S. Engineer Corps working in the report writing section of the Rock Island District.

WINKELHOLZ, WILLIAM RAY, '38, gives his home address as 3438 Atwater Avenue, Los Angeles, 26, California.

KUBBAS, FREDRIC F., '39, via the "change of address" card tells us he has moved from Hollywood to 385 Alabmar Terrace, San Gabriel, California.

HAUSLER, LELAND, '47, is working with Allis-Chalmers in Milwaukee. The Editors encountered him on an inspection trip in the Allis-Chalmers plant recently.

PI

WISE, SAMUEL GRIFFIN, '22, is president of the S. Griffin Wise Co., Engineers & Contractors, 26 East First Street, Mt. Vernon, New York.

MATHIASEN, HERBERT W., '26, is an engineer with Skidmore Owings & Merrill, 1 East 37th Street, New York City.

GILDEA, ROBERT EDWARD LEE, '30, is now associate professor in engineering at the University of Virginia in Charlottesville, Virginia, but lives in Cobham, Va.

BOWLES, JOHN, '33, is district supervisor for the Chesapeake & Potomac Telephone Co. of Virginia and lives in Richmond.

TALLEY, RICHARD, '33, is again personnel officer with the Federal Reserve Bank of Richmond, Virginia.

COPPER, ROBERT G., '36, should be addressed in care of Froebling & Robertson Inc., Box 737, Richmond 6, Virginia.

FERRER, PETER, '38, lives in Richmond, Virginia.

WARD, JOHN, '40, announces the birth of John Jr., on October 1, 1946.

BARNETT, HENRY C., '41, is doing fuel research work for the National Advisory Committee for Aeronautics and with his wife and three children is living at 21881, Detroit Road, Westlake, Ohio.

NICHOLS, FRANK, '41, is with the Virginia Department of Highways and living at 4308 Stonewall Avenue, Richmond, Virginia. During his three year stretch with the Seabees he saw duty on Adak and Siapan.

PETERS, CARL W., '41, is working in the research department of the Standard Oil Co. in Whiting, Indiana. He should be addressed in care of the company.

COWGILL, W. P., '42, was doing graduate work at Northwestern last year.

O'GRINCE, SYLVESTER H., '42, is with the Virginia State Highway Department and can be addressed at P. O. Box 128, Culpeper, Virginia.

RATHBUN, KENNETH, '42, is teaching in the department of mechanical engineering at Clemson College, Clemson, South Carolina.

BORDEN, JAMES, '43, was married in June to Miss Jean Folkes in Rochester, New York. He is with the Technifinish Laboratory there.

BROWN, CHARLES, '43, is working for the American Telephone & Telegraph Co. in New York City. He married the former Ruth Walker of Woodstock, Virginia.

HANNUM, CURTIS, '43, and Miss Virginia Hall, were married on August 30, 1947 at "The Parsonage" in Louisa, Virginia, home of the bride.

SNELL, JOHN, '44, when last heard from, was with the army in Korea. He hoped to be home gy May 1st and expected to be employed by the A. C. F.-Brill Motor Co. in Philadelphia, Pennsylvania.

RHO

BAKER, FRANK, '23, announces the birth of a daughter, Susan Latham, on January 24, 1947. He is with Lever Brothers in Edgewater, New Jersey.

BANGS, ALBERT CLAREDON, '24, is engineer for the Olive Iron & Steel Corp. in Atlanta, Georgia and lives at 892 Myrtle Street, N.E.

BARKER, B. P., '24, has a new home address at 4210 Trenholm Road, Columbia, 39, South Carolina.

MEDFORD, H. L., '24, can be addressed at Box 1411, Greensboro, North Carolina.

RICHERT, J. C., JR., '24, has been appointed manager of divisions of the entire territory of the Carolina Power & Light Co. with headquarters in Raleigh, North Carolina.

WRAY, GEORGE W., '25, has a mailing address at 238 Waccamaw Street, Columbia, South Carolina.

JONES, FREDERICK WOODBURY, '26, is a supervising engineer for The Texas Co., 1061 West State Street, Milwaukee, Wisconsin and lives at 4759 N. Diversy, Milwaukee.

MOUNTCASTLE, E. L., '26, is still with the Elliott Co., 310 Haas-Howell Bldg., Atlanta 3, Georgia.

SNEED, BOYD C., '26, lives at 3321 Long Island Drive, Atlanta, Georgia.

STEED, BOYD CURTIS, '26, is engineer for the Dixie Division, Armco Drainage & Metal Products Inc., Box 1343, Atlanta, Georgia, and lives at 3321 Island Drive, Atlanta.

SUMNER, MARK, '26, has moved to 29 Linden Avenue, Asheville, North Carolina.

SUTTON, E. A., '26, makes his home in La-

Grange, North Carolina.

DAVIS, JEFFERSON CLARK, '28, is an instructor at the University of Arizona and lives at 3941 E. Desmond Land, Tucson, Arizona.

PARRISH, WILLIAM C., '38, with U. S. Engineers, is now with the Ohio River & Great Lakes Division and makes his headquarters in Cincinnati, Ohio.

SULLIVAN, HUBBARD L., '28, lives at 2641 River Road, N.W., Atlanta, Georgia.

TURNER, FRANK B., '28, receives mail at Box 6161, Five Points Station, Raleigh, North Carolina.

MASON, JOHN T., '29, announces the birth of a daughter, Mary Ann, on May 3, 1947, in Charlottesville, Virginia.

BELL, B. H., '30, lives at 208 N. St. Marks Avenue, Chattanooga, Tennessee.

JONES, D. E., '30, is living at the Stephen F. Austin Hotel, Austin, Texas.

SMITH, THOMAS GLENN, '30, is field engineer for Allis Chalmers Mfg. Co., 724 Canal Bldg., New Orleans, and lives at 1437 Audubon, New Orleans.

COWENS, PAUL KINGSTON, '31, is division agent for the Railway Express Agency in Chicago and lives in Elgin, Illinois.

HARTMAN, HORACE W., '31, lives at 1205 Cowper Drive, Raleigh, North Carolina.

HODGES, T. L., '32, can be addressed at P. O. Box 1188, Baton Rouge, Louisiana.

MANN, CARROLL LAMB, JR., '32, is a member of the firm of Mann & McLawhorn, Box 2248, Greensboro, North Carolina.

PUTSCHE, BORIS B., '33, wants his mail sent to 4111 Klingle Street, N.W., Washington, 16, D.C.

STEPHENS, ROMULOUS W., '36, of Apex, North Carolina, announced the birth of a daughter on April 11, 1947.

MANN, WILLIAM ROGER, '37, formerly a captain in the U. S. Air Corps, is now an airline pilot for the Pan American World Airways in New York City.

TERRELL, WILLIAM S., III, '38, Major, U. S. Army, can be reached through P. O. Box 881, Casper, Wyoming.

HAYWORTH, M. S., '39, is living at 828 West Haven Blvd., Rocky Mount, North Carolina.

BLOUNT, THOMAS H., JR., '40, is with the Morgantown Ordnance Works, Morgantown, West Virginia.

GALLE, P. P., '40, lives at 910 Graydon Avenue, Norfolk, Virginia.

DIXON, GEORGE T., '41, Lt. Commander, U. S. Navy, wants mail sent to Box 923, Howatonic, Massachusetts.

HALSTED, BRUCE C., '41, is now connected with the district sales office of the Allis-Chalmers Manufacturing Co. in Richmond, Virginia.

HATHAWAY, JAMES B., '41, has moved from Dayton, Ohio, to 3119 West 2nd Street, Wilmington 172, Delaware.

PRUCH, EVERETT, R., '41, is a research associate at the Research Laboratory General Electric Co., Schenectady, New York.

JOHNSON, W. S., JR., '42, gives his present address as Apt. 11, Edgewater Apts., Eyser, Baltimore 21, Maryland. He is engineer with Glenn L. Martin Co.

LIGHT, EARL T., '42, has moved to West Palm Beach, Florida.

SPENCER, BENJAMIN F., '42, is engineer for Sperry Gyroscope Co., Hoboken, New Jersey, but home is at 29 Fairview Blvd., Hempstead, New York.

BETTS, JOSEPH KENDALL, '43, was married in Raleigh on March 1, 1947, to Miss Eva Stapleton Wilder of Raleigh. He is now employed as a chemical engineer by the DuPont Co.

BRIGGS, THOMAS L., JR., '43, is now living at 2471 South 67th Street, West Allis, Wis.

EPPES, ROBERTSON, JR., '43, is now with the Tennessee Eastman Corp., Kingsport, Tenn.

HUMPHREYS, HAROLD WESLEY, '43, wants his mail sent to the Mechanics & Hydraulics Department, Clemson College, Clemson, South Carolina.

KELLY, RAYMOND SMITH, '43, is a junior engineer, Submarine Signal Co., 160 State Street, Boston and lives at 396 Marlboro, Boston 11, Massachusetts.

STOCKHARD, HENRY JEROME, JR., '43, is now living at 12½ S. Boylan Avenue, Raleigh, North Carolina.

BOYER, FRANK S., '44, 1st Lieutenant, U. S. Army, has received a commission in the regular army.

GOODRUM, W. J. "JACK", '44, is hard to catch up with. No sooner had he been located as in Chicago than he was transferred by Spencer Kellogg & Sons, Inc. to their largest plant in Edgewater, New Jersey. He was promoted to assistant superintendent of Refineries.

HEFFERMAN, JAMES A., '44, has moved from Saltville, Virginia to Lewisburg, Tennessee.

HARPER, WALTER WATSON, '45, Pvt. U. S. Army, was married on October 19, 1946 to Miss Elsie Lee Smith of Raleigh, North Carolina. He is stationed in Europe at the present time.

FISLER, CHESTER A., '46, has been assigned to the Dayton office of the Westinghouse Electric Corp.

WOOTEN, R. E., '46, can be addressed at 111 West Park Drive, Raleigh, North Carolina.

RICH, MARSHALL M., '47, gives his home address at 106 W. Aycock Street, Raleigh, North Carolina.

WOODALL, WILLIAM LESTER, '47, is mechanical engineer with the Carter Fabrics Corp., Greensboro, North Carolina.

SIGMA

Ross, Charles Raymond, '21, should be addressed 412 Hartman Bldg., Columbus 15, Ohio.

Fenton, Ely B., '29, is supervising engineer for the defense plants division of the Reconstruction Finance Corp. in Pittsburgh, Pennsylvania.

LeVake, Clifford, '29, and Miss Helen Webb of Alliance, Ohio, were married in St. Petersburg, Florida in March 1946. He represents American Rolling Mill Co. in Atlanta, Georgia.

Davis, Frances William, '30, is Associate Professor of Photography at Ohio State University and lives at 264 Acton Road, Columbus, Ohio.

Buckley, John A., '32, is now manager of the chemical sales department of the General Electric Co. with headquarters in Pittsfield, Massachusetts.

Robbins, Paul R., '33, sends his adress as 8 E. Long Street, Columbus, Ohio.

Hacker, Arden R., '33, has been appointed manager of mechanical goods design at the Goodyear Tire & Rubber Co. plant in Huelingham, Argentine Republic.

Marquis, Franklin P., '33, asks that his mail be sent to 2629 14th Avenue, Moline, Illinois.

Smith, Charles B., '36, has been made assistant professor in the Civil Engineering Department at his Alma Mater.

Frazier, Robert Y., '37, is operating a limestone quary at Harrisonburg, Virginia.

Skillman, Lewis H., '37, announces the birth of a son, Thomas Lewis, in August, 1947, in Lemay, Missouri.

Boehringer, Albert J., '38, announces the birth of a son, Charles William, in Cincinnati, Ohio, on March 8, 1947.

Ankrom, Albert M., '39, announces the birth of a daughter, Barbara Leigh, on October 21, 1946, in Philadelphia.

Dutweiler, Robert H., '40 announced the birth of a son, John Stephen, on September 23, 1946, in Pittsburgh, Pennsylvania.

Gamble, Gerald C., '40 has been made service department manager of the research and development division of the Pittsburg Consolidated Coal Co., Library, Pennsylvania.

Spaetzer, Jean W., '41, informs us of the birth of a son, Stephen Scott, in Warren, Ohio, on March 14, 1947. He is engineer with the Wean Engineering Co. in Warren.

Given, Donald M., '42, is with Battelle Institute in Columbus, Ohio, doing research work in fuels technology.

Dean, Daniel W., '44, announces his marriage to Miss Margaret B. Morris, in Columbus, Ohio, April 26, 1947. They are at home in South Charleston, Ohio, where he is farming.

Mitchell, Richard D., '44, M.S. '47, is corrosion engineer with the Calco Chemical Division of the American Cyanimid Co. Bound Brook, New Jersey. He announced the birth of a daughter, Sharon Lou, on July 29, 1946, in Columbus, Ohio.

Emery, Everett E., '45, is living at 117 E. Wheeling Street, Lancaster, Ohio.

Adams, Alton T., '46, is plant layout engineer, Fisher Body Co., Columbus, Ohio.

Bartholomew, Russell William, '46, is a methods engineer for the Firestone Tire & Rubber Co. in Akron, Ohio, and lives at Room 1101, Y.M.C.A. Akron, Ohio.

Wilkins, Dale L., '46, is junior engineer for Alden E. Stilson & Associates in Columbus, Ohio.

Hullinger, Lewis C., '47, is living at 11161 Esmond Street, Chicago 43, Illinois.

Roratowski, Edward J., '47, and Miss Ethel F. Gordon were married in Toledo, Ohio on June 17, 1947. They are at home in Hammond, Indiana.

TAU

Stearns, Donald E., Honorary, is head of the Department of Civil Engineering at Syracuse and lives at 2400 Euclid Avenue, Syracuse 3, New York.

Digney, Kenneth A., '31 lives on Woodchuck Hill Road, Fayetteville, New York.

Hannum, Erwin S., '32, is now special planning advisor to the administration of the Bonneville Power Administration, Portland, Orgeon.

Durrwachter, Edward J., '34, lives on 1014 Baldwin Street, Williamport, New York.

Jerry, James J., '34, representing the Crouse-Hinds Co. of Syracuse, New York, makes his headquarters in Charlotte, North Carolina.

Doane, Gordon, '11, and Rose Streyer were married June 1, 1946, in the First Baptist Church, Owatonna, New York. They are at home in Washington, D. C.

Lee, Paul, '38, is now chief engineer for the new station WNDR in Syracuse, New York. He was a radio engineer in the Navy during the war. Home is at 252 Genesee Park Drive, Syracuse.

Getty, George C., '39, and Miss Mary Walker were married in the University Methodist Church in Syracuse on December 14, 1946.

He is on flood control work with the U.S. Engineers and they live in Lyndsborg, Kansas.

MASSO, DONALD D., '39, is engineer for the U. S. Hoffman Machinery Co. in Syracuse, New York.

DUGGAN, RAYMOND C., '40, Major, U. S. Army, may be reached through Hq. 11th Airborne Division, APO 469, San Francisco, California.

GILLESPIE, WILLARD R., '40, announces the birth of a son, Ted Colburn, in Cleveland Ohio on March 10, 1947.

BROWN, KENNETH ROOSEVELT, '41, is layout draftsman for the Sikorsky Aircraft Corp., South Avenue, Bridgeport 1, Connecticut. His permanent address is 226 Milburn Drive, Syracuse, New York.

HOKE, HOWARD L., '41, is an engineer with the Ward-LaFrance Truck Division in Elmira, New York.

BARCLAY, RAYMOND J., '42, was married on November 9, 1946 to Miss Patricia J. Kaufman, in Syracuse. They make their home in Hinsdale, Massachusetts.

CURTIN, J. RAYMOND, '42, was recently admitted to the New York bar and is president of Central New York Foundries at Manlius, New York.

DEYOE, ROBERT E., '42, and Miss Mary Crowley were married in St. John the Baptist Church in Syracuse on August 27, 1946. Home is at 838 E. Lafayette Avenue, Syracuse.

GEITNER, HAROLD F., '42, is with the Garlock Packing Co. in Palmyra, New York and lives in Geneva, N. Y.

BERTHOLD, PAUL, '43, manages the Berthold Electric & Engineering Co. in Akron, Ohio.

CONNOLLY, THOMAS J., '43, received a research and graduate fellowship at Carnegie Tech Engineering College and is likewise a teaching assistant in chemical engineering.

ANDREUS, WILLIAM E., Jr., '43, and NANCY Miller were married on December 25, 1946. They will live in Syracuse, New York.

MAYO, STERLING, '43, has been appointed assistant component sales manager of the Federal Telephone & Radio Corp. Newark, New Jersey.

TAYLOR, CHARLES D., '43, is in the design division of the engineering department of the DuPont Co. in Wilmington, Delaware.

UPSILON

BOWMAN, ROBERT A., '29, is manager of the condenser engineering department, Westinghouse Electric Corp., South Philadelphia, Pennsylvania.

FUNDREN, JAMES P., '30, works for the government in the office at Beltsville, Maryland and lives at 9101 First Avenue, Silver Springs, Maryland.

CLEMMONS, CHARLES B., '33, sends his correct address at 1119 West 13th Avenue, Pine Bluff, Arkansas.

MANLEY, EUGENE HADLEY, '39, is a structural designer, Cleveland Electric Illuminating Co., Public Square, Cleveland, Ohio and lives at 2903 Carlton Road, Shaker Heights, Ohio.

HOGAN, CHARLES WAYNE, '40, is an engineer for the General Electric Co. and with his family lives at 1126 East Street, Pittsfield, Massachusetts.

MUIR, DAVIS, '40, announces the birth of a daughter, Jenny Kay, on January 9, 1947, in Andalusia, Alabama.

PATTON, WILLIAM D., '41, is a junior engineer breaker department, Westinghouse Electric Corp., East Pittsburgh, Pennsylvania.

SEELY, LLOYD JACK, '41, is engineer designer for the Muskogee Iron Works and lives at 1003 West Okmulgee Avenue, Muskogee, Oklahoma.

SHACKLEFORD, LLOYD CLARENCE, '41, is with General Electric Co. in Schenectady, where he lives at 2714 Broadway.

SMITH, FRANK K., '41, is field service engineer, Westinghouse Electric Corp., in Houston, Texas.

WAYMAN, CHARLES L., '41, states that the family home is at 2011 Spring Street, Little Rock, Arkansas.

ADCOCK, WILBUR W., Jr., '42, is a buyer for R. G. LeTourneau, Inc., Longview, Texas.

OLIVER, WALLACE, '42, is in Newark, Ohio, working for the Fiber Glass Corp. of the Owens-Corning Co.

RANDOLPH, JOSEPH B., Jr., '42, is a graduate student at Harvard.

WOOLSEY, LAWRENCE SHORES, '42, is in Little Rock, Arkansas.

WEISIGER, JOSEPH, Jr., '44, announces the birth of a son, Joseph III, on March 12, 1947.

GLASSBURN, WILLIAM E., '45, is junior engineer, relay division, meter department, Westinghouse Electric Corp. Newark, New Jersey.

PEARCE, JESSE N., '45, is with the Westinghouse Electric Corp. as sales correspondent, Kansas City, Missouri.

FORD, JAMES LEE, '46, gets his mail at Box 171, Camden, Arkansas.

VINEYARD, HODGE J., '47, wrote this office that he was temporarily employed for General Electric in the Rotational Engineering Training Program. His address there is 3132 Fairfield Avenue, Fort Wayne, Indiana.

PHI

WETMER, HAROLD C., '31, has a new address of 1028 W. Windsor Avenue, Chicago 30, Illinois.

VANDERFORD, JACK C., '38, gives his address as R. R. 3, Syracuse, Indiana.

MATTHEW, SIDNEY MARSHALL, '39, is assistant maintenance engineer, Carnegie Illinois Steel Corp., 434 7th Avenue, Pittsburgh, Pennsylvania, and lives at Library & Broughton Roads, Hillcrest, R. D. 10, Pittsburgh.

CHI

HAMPSHIRE, CLAUDE C., '26, is teaching at the University of Alaska, Fairbanks, Alaska.

BACON, IRA. P., Jr., '28, is assistant superintendent in charge of casting with the Phelps-Dodge Copper Products Corp., Elizabeth, New Jersey.

BACON, FRANK O., '31, from El Paso, Texas, is connected with an export and import company in Manila, P. I. He was a Jap prisoner for three years.

BENNETT, EARL R., '31, Commander, U.S.N. has been stationed on Guam as a member of the Navy Engineer Corps.

ERICKSON, JACOB, '31, resides at 303 West Jefferson, Phoenix, Arizona.

HOUSTON, ROBERT L., '31, has been appointed superintendent of building and grounds at the University of Arizona. He is a full partner of the firm of Harris & Houston of Los Angeles which he entered in the Spring of 1946 following his discharge from the U. S. Army Engineers in which he held the rank of Major.

LAINE, LEO L., '31, is engineer with the United States Geological Survey, Oklahoma City, Oklahoma.

SANDERS, ELGIN E., '32, has started the Sanders Motor Co. in Dennison, Texas.

ANDERSON, JOHN L., '33, gave notice of the birth of a daughter, Lucile Eleanor, on May 2, 1947. He is comptroller at the University of Arizona.

BOOHER, LAWRENCE J., '33, is a specialist in irrigation for the University of California, Davis, California.

LAMB, FRANK, '33, is in charge of research work in ore-dressing for the U. S. Bureau of Mines at College Park, Maryland.

PEREZ, GINES, '33, is with Phelps-Dodge Corp. in Morenci, Arizona.

CLOUD, WILLIAM K., '34, geophysicist, is with the U. S. Coast & Geodetic Survey with headquarters in Los Angeles. The family home is in Southgate, California.

HOUSTON, GEORGE B., '34, is now employed as fire prevention engineer with the 4th Army located at Ft. Sam Houston, Texas. He held the rank of Lt. Col. of engineers in the army until discharge in 1946.

DRAEGER, JOHN L., '36, is with Magma Copper Co. at Superior, Arizona.

HARDWICK, WILLIAM ROBERT, '36, is chemist for Phelps-Dodge Co. at Ajo, Arizona.

MICHAELSON, JAMES, '36, and Miss Josephine Hillman were married in Globe, Arizona, on March 17, 1947. He is a mining engineer with the Civil Aeronautics Association with headquarters in Washington, D. C.

HILLER, JOHN D., '37, is with the Bechtel Corp. in Los Angeles at present working on a contract for the Southern California Edison Co.

MARUM, EDMOND F., '37, asks that his Gear be sent to him at the following address: Route 3, Box 273, Tucson, Arizona.

MORRISON, LEE K., '37, is a highway engineer with the California Division of Highways with headquarters in San Francisco, California.

PEARSON, ARTHUR A., '37, U. S. Air Force has returned from Okinawa and is now stationed with the 43rd bomb group at Davis Monthan Field in Tucson.

BEJCER, OTTO J., '38, informs us that he is now living at 443 N. Segovia Avenue, San Gabriel, California.

KNIGHT, WILLIAM F., '38, is manager of engineering, lighter-than-air division, Goodyear Aircraft Corp., Akron, Ohio.

CANNON, ALTON H., '38, is a switchgear specialist for the General Electric Co. located in Dallas, Texas.

RABB, DAVID D., '38, is a metallurgical research engineer with Battelle Memorial Institute in Columbus, Ohio.

SOREN, HENRY M., '38, and Belle F. Mueller were married on June 21, 1947, in Lordsburg, New Mexico.

NICHOLAS, CHARLES, '39, is with the Texas Company in Phoenix, Arizona as a lubrication specialist.

WEST, LAMONT, '39, formerly manager of the Belle Eldridge Gold Mines at Deadwood, South Dakota, is now chief mining engineer for the Colorado operations of the General Chemical Co. and lives in Boulder where his mail should be sent to P. O. Box 467.

STEVENS, VICTOR D., '39, announces the birth of a daughter, Marjorie Lynn, on October 17, 1946, in Phoenix, Arizona.

ANDREAS, JACK C., '40, announces the birth of a son, John Orland, on February 3, 1947, in Milwaukee, Wisconsin, where he is with the Louis Allis Mfg. Co. as electrical design engineer.

BAY, JAMES F., '40, is employed as lubricating engineer by the General Petroleum Corp. and is stationed at Kingman, Arizona.

CLARK, FREDERICK B., JR., '40 announces the birth of a son, David Graham, on August 9,1946, in Pasadena, California.

GARRETT, A. RICHARD, '40, is in the engineering and construction business in Phoenix, Arizona.

HUGHES, ROBERT P., '40, is a mechanical engineer with the Miami Copper Co. in Miami, Arizona.

LOVING, JOHN C., '40, is assistant superintendent of the 4-C Concentrator, in Cananea, Sonora, Mexico.

LOWE, LOUIS W., '40, and Miss Janet C. Voudracek were married in Phoenix on November 29, 1946. He is with the Mt. States Tel. & Tel. Co. in Phoenix.

MCPHERSON, JOSEPH M., '40, Lt. Col. U. S. Army Air Force, is with the 374th Troop Carrier group.

OSA, DAVID, '40, is back with the Phelps-Dodge Co. in Morenci, Arizona.

WALKER, PAUL, '40, is a construction engineer for the Texas Co. with offices in New York City.

GAYLOR, CLAUD A., '41, has left Caterpillar Tractor Co. in Illinois to become service manager of the Arizona Machinery Co. distributors for Caterpillar products in Phoenix, Arizona.

YAEGER, A. JOSEPH, JR., '41, has been made superintendent of the A.S. & R. Co. unit at Parral, Chihuahua, Mexico.

BLUHM, FLOYD, '42, announces the birth of a second son in Phoenix, where he is employed as hydraulic engineer by the U. S. Geological Survey.

HEDGECOCK, LEONARD W., '42, discharged from the Navy is in the construction business in Torrance, California.

JOHNSON, JOHN M., '42, announces the birth of a son, Michael Thorne, on January 4, 1947, in Tucson, Arizona, where the father is employed by the Johnson Construction Co.

JOHNSON, WILLIAM L., '42, announces the birth of a daughter, Hallace Dee, on January 26, 1947, in Tucson, Arizona. They live at 1432 E. Lester Street, Tucson.

LYON, OSCAR T., JR., '42, and Miss Patricia Haley were married in New London, Pennsylvania, on October 1, 1941. Since his discharge from the Navy he has been employed at Florence, Arizona, headquarters of the Arizona Highway Department.

SHELLEY, GEORGE E., '42, informs us that his new address is Apartment #4, 4338 Broadway, Chicago 13, Illinois.

TEZZARD, WILLIAM L., '42, is now with the Bureau of Public Roads in Phoenix, Arizona.

KING, THOMAS C., '43, is metallurgist for the Eagle-Pitcher Mining & Smelting Co., Suhuarita, Arizona.

KINNEY, WILLIAM H., '43, M.S. '47, has been appointed assistant in the College of Mines at the University of Arizona.

MYERS, EDWARD J., '43, notified the GEAR office that he now receives mail addressed as follows: Route 1, Box 40-G, Globe, Ariz.

NANCE, C. FRANKLIN, '43, tells of the birth of a son, John Franklin, on April 24, 1947, and that he has recently been transferred by the Westinghouse Electric Corp. to St. Louis, Missouri.

STEARNS, WILLIAM L., '43, announces the birth of a son, Richard Lewis, on December 29, 1946, in Stonington, Connecticut. He is metallurgist with the Bridgeport Brass Co., in Bridgeport, Connecticut.

CRULL, RALPH L., '44, engineer for the Arizona State Highway Department, resides in Phoenix, Arizona.

KIMSEY, WILLIAM L., '44, is a gas engineer for the Central Arizona Light & Power Co. in Phoenix.

KINKEAD, JOSEPH C., '44, 1st Lieutenant, U. S. Army, is reported to be briefing officer in Tokyo, Japan.

OLBERT, RICHARD P., EM '41, is working in the division of economics and statistics of the Arizona Highway Department in Phoenix.

MCGEORGE, ROBERT M., '44, is a junior metallurgist at the A.S. & R. Co. smelter at El Paso, Texas. He announces the birth of a daughter, Linda Ann, July 29, 1947 in El Paso.

MOSER, PETER, '46, who received his master's degree in mining at Arizona this year, is now in the geological department of the Phelps-Dodge Corp. and can be addressed at 1166 Thirteenth Street, Bisbee, Arizona.

CURRY, FIELD, '47, since graduation has gone to work for the Union Switch and Signal Co. on their engineering training course. His address is Engineering Department, Union Switch & Signal Co., Swissvale, Penn.

MCGINLEY, FRANK E., '47, is working as a metallurgist for the Iron King Mine near Prescott, Arizona.

VAIL, HERBERT, '47, is now with General Electric Co. in Schenectady, New York.

PSI

SHUE, GEORGE L., Honorary, is with the Naval Ordnance Laboratory in Silver Springs, Maryland and lives at 7 Walker Avenue, Gaithersburg, Maryland.

WILSON, ARTHUR O., '12, formerly with the U. S. Bureau of Mines, is now employed as exploration superintendent by the Fresnillo Co., Fresnillo, Zacatecas, Mexico.

BLIXT, JOHN E., '31, informs us that his address is The Texas Company, Box 401

Shelby, Montana.

Conrow, John M., '33, is now in charge of development work at the Nabob Silver Lead Co. now controlled by Eagle-Pitcher Mining Smelting Co. The office of the company is at Wardner, Idaho and the mines are at Pinehurst, Idaho. Robert N. Heron, Omega '30, is geologist representing the new owners.

Linn, Thomas B., '37, is metallurgist for the Ekco Products Co., 1949 North Cicero Avenue, Chicago, Illinois.

Bowdish, Frank William, '38, after getting his Master's at M.I.T. became assistant metallurgist for the Oliver Iron Mining Co., Research Department, Duluth, Minnesota where he lives at 1114 Tioga Street, Duluth 4.

Greene, Thomas A., '40, is an instructor at Texas Military College, Terrell, Texas. He reports the birth of a daughter. His son was born while Brother Greene was overseas.

Kappel, Stanley E., '40, gives his mailing address as #6 Tennis Avenue, P.O. Box 711, Mullan, Idaho.

Lake, Harold, '40, is with the McCloud, Cockshut Mining Co., Jeraldtown, Ontario, Canada.

Mitchell, Will, Jr., '40, who was in research work at M.I.T. in recent years, has been made director of the basic industries laboratory of the Allis Chalmers Co., Milwaukee, Wisconsin.

Ramboger, August Fred., '40, formerly with the Ruby Gulch Co. in Montana is now with the Chief Cons. Mining Co., Eureka, Utah.

Schrader, Clarence G., '40, announces the birth of a second son, William Frederick, on May 28, 1947. The family home is at 117 32nd Street, N., Great Falls, Montana.

Reyner, Millard, '42, is engineer at the Ruby Gulch Mining Co., Zortman, Montana.

Calkins, John B., '43, and Miss Jane Diffee of San Antonio, Texas, were married on December 7, 1946 in St. John's Episcopal Church in Butte, Montana. Brother Calkins is now an independent mine operator at Basin, Montana.

Johnson, Harold N., '47, is attending the Missouri School of Mines and lives at 1300 Pine Street, Rolla, Missouri.

Cumbo, John X., '47, is at Georgetown University, Washington, D. C., studying law.

Miller, Clinton L., '47, holds a position as foreman with the Hecla Mining Co. in Wallace, Idaho.

Nelson, Harry E., '47, is in the geological department of the Anaconda Copper Mining Co. in Butte, Montana.

Newmen, Alfred B., '47, is now employed at Craig, Colorado, with the Gravity Meter Exploration Co. He is a member of a geophysical prospecting crew.

OMEGA

Dart, Earl D., '24, has been appointed acting President of South Dakota Institute of Technology in Rapid City by the Board of Regents.

Herron, Robert, '30, is geologist on the staff of G. M. Fowler of Joplin, Missouri who is in charge of geological work for the Eagle-Picher Lead Co. At present Bob is in Idaho but the family address is 611 East 1st Street, Tucson, Arizona.

Harder, James, '31, has been appointed chief geologist of the Homestake Mining Co. in Lead, South Dakota and Archibald Slaughter, Omega '33, has been appointed assistant chief geologist.

Satler, Edwin W., '32, Lieutenant, U.S.N.R., is now assistant to the Base Operations Office at Guantanamo Bay, Cuba. He should be addressed as Navy 111, Box 17, Fleet P.O., New York.

Hall, A. W., '33, is president of the Pacific Wood Specialties Co. in Seattle, Washington. Home is at "Homeside", Edmonds, Wash.

Berry, Eugene L., '33, is a structural designer for dams for the U. S. Engineers at Fort Peck, Montana.

Doolittle, Richard N., '33, gives his business address as 414 Denham Bldg., Denver 2, Colorado.

Forchtner, James, '33, is chief engineer for the Northwest Bell Telephone Co., Omaha Nebraska. He lives at 1422 South 48th Street, Omaha.

Gillmor, Don, '36, lives at 8740 South Luella Avenue, Chicago 49, Illinois.

Burleson, William, '37, returned from Rio de Janeiro last spring and decided he would remain in the states. He informed us that he is now located in Sidney, Nebraska with the Minneapolis-Moline Power Implement Co. and that his mail should be sent to him in care of the company.

Ferguson, Stuart D., '37, has changed his address to Custer, South Dakota.

Foster, Harold C., '37, is with the California State Lands Commission, 301 California State Bldg., Los Angeles, California.

Yerxaw, Ray, '37, is Party Chief, Geophysical Crew #13, Shell Oil Co., Box 113, Chickasha, Oklahoma.

Dickey, Sylvester B., Jr., '38, is now chief metallurgist for the Lassen Eagle Co. at Adin, California.

Doncaldson, Paul, '38, and Miss Carol Fleming of Spokane, Washington were mar-

ried on March 22, 1947. Home is in Seattle.

Trantina, John A., '38, is in charge of all geological work in South Dakota in connection with the dams to be built on the Missouri River. He can be addressed in care of U. S. Engineers, Pickstown, South Dakota.

Fenner, Otis, '39, is with the Stanolind Oil & Gas Co., 429 First National Bank Bldg., Wichita 2, Kansas. He reports also the arrival of a second son, Bryce.

Stanley, Ira L., '39, has a new mailing address at P. O. Box 287, Kenmore, North Dakota.

Lucker, Robert, '40, is now in Chicago.

Nelson, Lind B., '41, research engineer in the Tin Processing Corporation plant in Texas City was fortunate in coming safely through the disaster.

Thurlow, Ernest E., '41, has returned to the United States with his family after completing his contract with the Chile Exploration Co. in South America. He is now geologist for the Atomic Energy Commission with headquarters in Washington, D. C.

Hill, Robert B., '42, has moved to Alhambra, California and is a process design engineer for the C. F. Braun Co. there.

Nees, B. Bell, '42, is research engineer, Jet Propulsion Lab., California Institute of Technology, Pasadena, California. The family home is at 912 East Acacia Avenue, Glendale 1, California.

Vorhies, William, '42, is with the Bureau of Reclamation in Denver, but the family home is at 3788 South Lincoln Street, Englewood, Colorado.

Bender, Eugene H., '43, reports the birth of a son, Elden Marion, on April 27, 1946, in Las Cruces, New Mexico.

Bevis, Elmer, '43, is working as Corrosion Engineer, Standard Oil Co. of California. Mail should be sent to P. O. Box 711, Berkeley, California.

Norman, Walter Edward, '43, is with the Boeing Aircraft Co. in Seattle and lives at 1743 Boylston Avenue.

Moser, Armand, '43, was married last Christmas Day 1946 to a girl from Chickasha, Oklahoma. He is with the Magnolia Oil Co. and his mailing address is Box 421, Aztec, New Mexico.

Redmon, Don., '43, and Miss Virginia Well of Rapid City were married on March 29, 1947. Home is at 37 First Street, Lead, South Dakota. He is reported to be with the Bald Mt. Mining Co. at Trojan, South Dakota.

Van Auken, John A. ,'43, is working for the Marine Exploration Co., 1200 W. Dallas, Houston 6, Texas.

Verendia, Dominic, '43, has a job with the Navy Lab. and with his family lives at El Monte, California.

Wiberg, D. C., '43, is working as a physical metallurgist at Los Alamos, New Mexico.

Benn, William R., '44, has accepted a position with Union Carbide and Carbon Corporation. After graduating in 1944 he spent two years in the Navy and then returned to school receiving a B.S. in Metallurgical Engineering from Purdue University in June. His address is 307 Bingham St., Sault Ste. Marie, Michigan.

Darnell, Lloyd, '44, is engineer in the Bridge Department, C.M. St. P. R.R., Union Station, Chicago, Illinois. Home is at 7514, South Colfax Avenue, Chicago.

Ingebrigtson, Gordon R., '44, can be addressed at 221 Charles Street, Westfield, New Jersey.

Kulpaca, Robert L., '44, after doing post graduate work at South Dakota School of Mines is now research chemist for the International Smelting & Refining Co., Tooele, Utah.

Lammers, Gerard, '44, gives his address for the next year as the Graduate House, M.I.T., Cambridge, Massachusetts. He is working for his M.S. at M.I.T.

Sandvig, Robert L., '44, is living at 2343 Auburn Avenue, Cincinnati 19, Ohio.

Nelson, Ray, '45, is with the Universal Atlas Cement Co., 135 East 9th Street, New York City.

Strom, Elwood, '45, announces the birth of a daughter, Barbara Jean, on July 30, 1947, in Anaconda, Montana, where he is metallurgist for A.C.M. Co. and the family home is at 1205 West 4th Avenue.

Pantero, Alberto, '46, is with the East Bay Municipal District, Oakland, California and home is at 1091½ 66th Street, Oakland.

Bischell, Kenneth H., '47, whose home is in Aurelia, Iowa, has a graduate fellowship at Rice Institute in Houston, Texas.

Burrill, Scott L., '47, is a metallurgist with Anaconda Copper Mining Co. in Anaconda, Montana, and home is at 306 West 5th Avenue, Anaconda.

Gerlick, Harry G., '47, is with Peter Kiewit & Sons in Wagner, South Dakota.

Griffith, William A., '47, asks that his mail be sent to The Graduate House, Massachusetts Institute of Technology, Cambridge 39, Mass.

Lee, V. Mitchell, '47, can be addressed at Dorm 4280, Room 32, Phillips Petroleum Co., Borger, Texas.

Mayfield, Edward R., '47, is with the Central Arizona Power & Light Co. in Phoenix, Arizona.

Morgan, Lewis Wesley, '47, sent in his address as follows: 306 King St. Station, Seattle, Washington, in care of E. W. Sherman.

Nelson, Jack E., '47, is with the Empire Division of the New Jersey Zinc Co. in Gilman, Colorado.

Reinecke, Durwood D., '47, wants his mail

sent to Seneca, South Dakota.

STEINBURG, WESLEY E., '47, has a teaching fellowship at the University of Washington in Seattle, Washington.

TROMPETER, RICHARD W., '47, is engineer for the REA on Municipal Design in Rapid City, South Dakota.

ZIMMERMAN, ROBERT C., '47, is with Longview Fibre Co., Longview, Washington, as a chemical engineer.

GAMMA BETA

SHERRY, JOHN S., '37, is now associated with Barton F. Sharp & Son in the insurance business in Bridgeton, New Jersey. He writes that his engineering course has been very helpful and gives his address as 4 North Laurel, Bridgeton.

VARTIA, CARL OLAVI, '37, is engineer with the U. S. Bureau of Reclamation, Belmorhea, Texas.

DOWNEY, PAUL WILLIAM, '38, is project manager for the Wm. L. Crow Construction Co., 181 Park Avenue, New York 17, New York. Home is at 17 Harding Avenue, Clark Township, Route #3, Box 606, Rahway, New Jersey.

WRIGHT, HARRY OTIS, JR., '40, is chief engineer, Public Airport Service Inc., Colorado Bldg., Washington, D. C. and lives at 3433 19th Street N., Arlington, Virginia.

PANTOJAS, TOMAS A., '43, wants his GEARS sent to P. O. Box 116, Santiago de los Caballeros, Dominican Republic.

DELTA BETA

CRIM, THOMAS JR., '39, is now living at 124 West 29th Street, Wilmington 239, Del.

SMITH, DONALD EDWARD, '44, wants his mail sent to 7 Ridge Road, Smithtown, New York. He is in the contract engineer division of the Standard Oil Development Co.

ZARRAN, ZENO, '47, is now with the U. S. Civil Service Commission and stationed in Germany.

Oliver Wendell Holmes, the poet, was small of stature. Once when he attended a meeting he was found in a group of tall men which made his diminutive size all the more conspicuous. One of them somewhat waggishly remarked, "Well, Dr. Holmes, I think you must feel rather small among all these big fellows." Dr. Holmes answered, "I do. I feel like a dime among a lot of pennies."

Looking over the job applications to see if they had been properly filled out, a personnel director came across one which read: "Age of father, if living—120. Age of mother, if living—112."

He called the applicant over and asked in astonishment, "But your parents aren't that old, are they?"

"Oh no, sir," was the reply, "But they would have been, if living."

"Pop, did Edison invent the first talking machine?"

"No, son. God made the first one. What Edison did was invent one you could shut off."

The timid young man was asking for a raise.

"You see, sir," he said, "my wife thinks I'm not making enough money and advises me to ask for an increase."

"I understand," said the boss, nodding his head, "and I'll ask my wife if I can give it to you."

Sign in a cafe: "If you want to put your ashes and cigarette butts in your cup and saucer let the waitress know and she will serve the coffee in the ash tray."

Cop: "How did you knock this pedestrian down?"

Motorist: "I didn't. I just pulled up to him, stopped the car to wait for him to pass, and he fainted."

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