

The Gear

of Theta Tau



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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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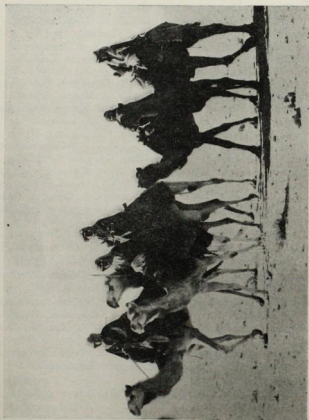


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Chapters

- 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) 233 College Ave., Houghton, Mich.
- GAMMA, *Established November 8, 1907* - - Colorado School of Mines
c/o Prof. M. I. Signer, Colo. School of Mines, Golden, Colo.
- DELTA, *Established May 23, 1911* - - Case School of Applied Science
Theta Tau Box, Case School of Applied Science, Cleveland, Ohio
- EPSILON, *Established May 4, 1911* - - - - University of California
Box, Hearst Mining Bldg., University of California, Berkeley, Calif.
- ZETA, *Established April 17, 1912* - - - - University of Kansas
(Chapter house) 1245 Louisiana St., Lawrence, Kansas
- THETA, *Established May 26, 1914* - - - - Columbia University
c/o Prof. A. D. Hinckley, Eng. Bldg., Columbia University, New York City
- IOTA, *Established February 5, 1916* - - - - Missouri School of Mines
Theta Tau Box, Missouri School of Mines & Metallurgy, Rolla, Mo.
- KAPPA, *Established March 25, 1916* - - - - University of Illinois
c/o Prof. Jamison Vawter, 307 Eng. Hall, Urbana, Ill.
- LAMBDA, *Established April 29, 1920* - - - - University of Utah
Theta Tau Fraternity, Union Building, Salt Lake City, Utah
- MU, *Established January 3, 1922* - - - - University of Alabama
c/o Prof. Fred R. Maxwell, College of Eng., University, Alabama
- NU, *Established January 1, 1922* - - Carnegie Institute of Technology
P. O. Box 114, Carnegie Institute of Technology, Pittsburgh, Pa.
- OMICRON, *Established February 3, 1923* - - - - University of Iowa
(Chapter house) 804 North Dubuque Street, Iowa City, Iowa
- PI, *Established May 26, 1923* - - - - - University of Virginia
(Chapter house) R. F. D. No. 3, Charlottesville, Virginia
- RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.
P. O. Box 5325, State College Station, Raleigh, N. C.
- SIGMA, *Established November 29, 1924* - - - - Ohio State University
(Chapter house) 1965 Indianola Ave., Columbus, Ohio
- TAU, *Established December 12, 1925* - - - - Syracuse University
c/o Prof. E. F. Berry, College of Applied Science, Syracuse, New York
- UPSILON, *Established April 7, 1928* - - - - University of Arkansas
216 Eng. Bldg., U. of Ark., Fayetteville, Arkansas
- PHI, *Established April 21, 1928* - - - - - Purdue University
(Chapter house) 416 N. Main St., West Lafayette, Ind.
- 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) 1117 St. Joe St., Rapid City, South Dakota
- GAMMA BETA, *Established March 16, 1935* - George Washington University
c/o Dean of School of Engineering, George Washington University,
Washington, D. C.



By Camel thirty days—by plane four hours

Theta Taus Have Part In Discovery of New Oil Field In Saudi Arabia

Several months ago a cable message flashed out of the Near East, sped half-way round the world to the offices of Standard Oil Company of California, in San Francisco. Oil was flowing from a well drilled by the California Arabian Standard Oil Company, a subsidiary organization formed by the parent company to "explore and search for and drill and extract and manufacture and transport" petroleum and kindred bituminous matter in an oil concession including most of the eastern part of the kingdom of Saudi Arabia.

It had been preceded by three years of interesting activity, first by geologists who had ridden cars and aircraft over the immense terrain, then by engineers and production men who set up their drilling rigs on Dammam Dome, where the geologists said "Oil may be here." They were right. Oil is there, but in what quantity remains to be seen. An enormous territory in Saudi Arabia is still to be tested.

The discovery well was really the second to be drilled. The first, Dammam No. 1, struck gas and drilling was continued through this upper oil zone to a deeper horizon. Meanwhile, Dammam No. 2 was started, and in June of this year was brought in—53° gravity oil at a depth of 2152 feet. Thus Dammam Dome, on which

the principal topographic feature is the mountain called Jebel Umer Rus, was definitely remarkably like the structure at Jebel Dukhan on Bahrein Island, about 45 miles distant in the Persian Gulf, where the Company's other subsidiary in the eastern hemisphere, the Bahrein Petroleum Company, Ltd., (F. A. Davies, Alpha '16 General Manager) has been producing oil for about four years. In fact, evidence points to the conclusion that the Dammam structure was

once on an island like Bahrein, and that wind-blown sand probably filled in the strait that separated it from the mainland.

The two successful wells in Arabia are so located that they extend the field enough to warrant an extensive drilling program in this area. Work has likewise been started on another structure at El'Alat, about 25 miles northwest of the Dammam structure, and it is entirely possible that before these words appear in type reports will have been made of other producing wells. Already plans are being made to deliver the crude oil to tide-water. At Al Khobar, the port of entry for these producing activities, the Company constructed a stone wharf for the landing of freight transhipped from Bahrein; from here the road was built into the field.

The September number of the Standard Oil Bulletin carried an article of interest to the fraternity, both because of the subject matter and because of the number of Theta Taus who had a responsible connection with the work described. The editors of the Bulletin kindly loaned the cuts and consented to the use of the article in The Gear.

Any announcement of successful drilling carries little hint of the preliminary work that is necessary before oil *might* be found. The concession in Saudi Arabia was obtained on July 14, 1933. First on the ground thereafter, of course, were the geologists, those scientific gentlemen who pioneer all oil production in all the far parts of the earth. Temperamentally, they are explorers; they're used to packing their kits on short notice and catching the next train or ship or plane to survey some territory and report on its possibilities as oil land.

Not only was this Saudi Arabia new to geologists but it was almost unknown in every other respect, for very few non-Mohammedans had penetrated its vast desert peninsula more than a short distance from the coast. An idea of its extreme isolation may be seen in this fact: In 1934 a Company geologist was the fourth American or European ever to cross Saudi Arabia from the Persian Gulf to the Red Sea, and a year later three other Company geologists were the fifth, sixth and seventh non-Mohammedans to make the trip. It was only natural, then, that they found the Bedouins living as their forefathers must have lived two thousand years ago.

The first party of geologists landed at Jubail, a small Persian Gulf port of the Province of Hasa, on September 23, 1933, and received a cordial reception. The Arabs encountered everywhere were found to be very charitable when the visitors made mistakes, and their friendly feeling was evident at all times.

In order to be less conspicuous, it was found advisable to adopt the Arabian *gutra*, or headdress, when in the field, and to wear both the head-dress and the *aba* or outer garment in

the towns and villages. As a courtesy to the people, practically the complete Arabian costume was worn when making social calls. The first geologists in the country also found it advantageous to wear full beards, although clean-shaven Arabs are sometimes seen.

Although the casual visitor to Saudi Arabia may find that the Arabs have not kept pace with western Europe in the use of machinery and other forms of western "progress", he soon becomes aware that the Arabs possess an old and cultured civilization of their own. The Westerner will often realize that he is in a land where personal relationships, hospitality and courtesy to visitors compare more than favorably with less graceful manners of his own country.

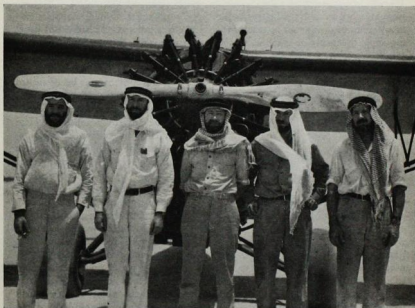
Saudi Arabia is a country with an area of approximately one million square miles and a population estimated to be about 4,500,000. It has a centralized or paternalistic form of government under the absolute rule of His Majesty Abdul Aziz ibn Abdur Rahman ibn Faisal al Sa'ud—a real king, both in appearance and in thought. He stands about six feet four inches in height, and is built in proportion. Having always held the authority of life and death over his followers, his demeanor is that of one born to rule.

The modern history of Saudi Arabia may be said to start from December 17, 1901, when with ten companions, including the redoubtable Abdulla ibn Jelewie, afterward made governor of the Province of Hasa, His Majesty captured his ancestral home at Riyadh. He became more of a power to be considered when on April 13, 1913, he drove the Turks from the district of Hufuf and seized all of the Province of Hasa. At the present time

he is master of the major part of the entire Arabian Peninsula. It was his decision that gave the Company the right for sixty years to develop the petroleum resources in a region somewhat larger than the state of California, which extends westward from the Persian Gulf.

The greater part of Saudi Arabia is

come alleviation of the heat in summer, but it intensifies the cold in winter. Dust storms are frequent both in summer and winter; the dust travels for great distances—probably coming from the Syrian desert and being carried as far as the Indian Ocean. Such storms have been known to hold up shipping on the Persian



Felix Dreyfus; H. L. Burchfiel, Ep. '22; R. P. Miller, Ep. '20; R. C. Kerr, Ep. '19; Chas. Rocheville
"In order to be inconspicuous"

barren, almost without vegetation, without roads of any consequence. Along its western border on the Red Sea, and in the southeastern part along the Indian Ocean, the country is mountainous, with some peaks rising to an elevation of 8000 or 9000 feet. The land slopes gradually from the heights near the Red Sea to sea-level on the Persian Gulf. Aside from a few low escarpments, this vast eastern slope is a comparatively flat desert. The *shamal*, or north wind, is a wel-

Gulf, the dust being so thick it resembles fog.

This is the country the new California Arabian Standard Oil Company is at present developing for oil. In general it is a land of little rain, of sand dunes, of rocky wastes, but around the various oases and water wells, as at Riyadh, there are beautiful green shady gardens of date palms and other fruits which are always a glad sight to the traveler. Reconnaissance work was carried on to the

west of Jubail the first few weeks, then the geologists made a trip northwest from Hufuf. As a result of these trips it was determined that Jubail should be the main headquarters for the geological parties. Cars and camels were used; camels were not ridden by the geologists, but were used extensively for carrying supplies. Usually about twenty cargo camels were attached to each field party, with many more used at times in transporting supplies, chiefly of gasoline, to the camps.



S. B. Henry, Ep. '23
Another Yankee Arab

By far the greater part of Saudi Arabia is rocky but there are also great sand areas to be crossed, and much thought had been given to the subject of transportation. Light cars and small trucks fitted with large balloon tires were fairly satisfactory, but finally a huge "doughnut" tire was adopted. This was very efficient, and, inflated about 13 pounds, it showed remarkably little wear in the sand dunes. Wide pieces of belting were carried to put under the wheels for traction in loose sand.

Traveling with an escort through the Province of Hasa was found to be perfectly safe, a condition that was not true during the rule of the Turks. The geologists had the pleasure of meeting the famous Governor, His Excellency Abdulla ibn Jelewie, who cleared the province of raiders and

robbers that formerly made any trip hazardous. Now, foreigners traveling with authority from His Majesty can go safely anywhere with only a small escort.

The geological exploration and evaluation of so vast a territory called for the use of every available tool, so aerial geological reconnaissance and photography were included. A specially equipped Fairchild mapping airplane was ordered. It had a full panel of navigating instruments, auxiliary gasoline tanks, camera mounts, and enormous low-pressure tires. While work on the airplane was being rushed with all possible speed, photographic and flying equipment were selected, packed and sent to San Pedro. Here the Standard Oil tanker *El Segundo*, which has done such valiant service in connection with developing the Bahrein Island oilfield, received this gear, along with thousands of gallons of gasoline and motor oils, a spare Wasp engine, and many supplies, for the Company's men were entering a country as unlike their own as it is possible to find on the globe.

By using a plane, field parties could be directed into interesting country. The use of the plane for two field seasons gave an understanding of the geological conditions that would require many years to acquire with ordinary methods. The pilot and navigator were accompanied on each daily flight by two geologists. Copious notes were made by all hands—geology, physiography, settlements, waterholes, camel trails, etc. After each flight a traverse map was compiled, showing the route of the plane. Interesting geological features were noted and located, and if they were considered of sufficient importance they were later photographed and incorporated into mosaic maps.

Contact was maintained with ground field parties, and periodic trips were made to their camps to deliver mail, drinking water, supplies, equipment, fresh vegetables, eggs, and so on. Landing fields were established in the interior and thousands of gallons of gasoline and oil and many boxes of film were shipped in by camel-train. At Jubail a marvelous flying field was laid out, ten miles long and one mile wide.

At times geological parties established field camps at great distances from headquarters. One camp, at

ceived accurate time signals. Using ship chronometers, they were able to make good stellar observations. Speedometer and Brunton traverses were tied into the fairly accurately located camps. Combining all the available data, a map of astonishing accuracy has been made.

From the air the country often appears to be as flat as the sea. Peculiarly enough, the few landmarks used by the flyers were generally sinks or basins or wind-scooped hollows. These were given names, since none appeared on existing maps—The Big Scar, Old



Headquarters of Theta Tau Shicks

Lina, near the great Dahana Red Sands, was over 300 miles from Jubail, and the cargo camels required thirty days to make the trip. The plane made this hop in four hours. The plane was equipped with a radio transmitting and receiving set, and since all the geologists had learned the Morse code, it was possible for them to keep in touch with the plane throughout its flights. During the last season of flying activity, a transmitting set using voice was found to be of great value in keeping contact with headquarters. With the use of radio receiving sets, the field men re-

Dishpan, Dahana Crescent Basin, the Black Sink, and many others. Only along the coast were conspicuous landmarks found.

Eventually the aerial work was finished, although the surface geology program is being continued. About thirty-five thousand miles of reconnaissance flights were completed. Several thousand aerial photographs were taken. The concession had been "viewed" from the air, its unusual formations picked out and photographed, its vast area mapped and classified geologically.

First Regional Conference in Fraternity's History Held at Columbus

▼
The idea of a regional meeting proposed by Grand Inner Guard "Russ" Glass at the last national convention, bore fruit this fall in a sectional meeting at Sigma Chapter, the first of its kind in Theta Tau history. Working on a compressed schedule, the meeting packed a great amount of business, ritual work, and fellowship into the brief twenty-four hours beginning Saturday noon and ending Sunday noon, October 24, 25, 1936.

The attendance was drawn from Delta, Kappa, Nu, Sigma, Tau, and Phi chapters, all of which are within convenient driving distance of Columbus. A good representation from each of these chapters was present as well as four members of the Executive Council. The list of visiting members follows.

Delta

Robert L. Wagner, Regent
Norman O. Heimerdinger, Sec.
Robert C. Boehm

Kappa

Harold Townsend, Regent
George Johnson
Thomas J. Dolan, Faculty Adviser

Nu

J. M. Daniels, Grand Vice-Regent
Harry F. Robey, Cor. Sec.
Leland Sphar
William Martins

Sigma

Claude H. Wall, Chapter Adviser
Theodore J. Kauer, Pres. Central Ohio A. A.
E. P. Knorr, Sec. Central Ohio A. A.
N. E. Schoewe, Regent

Tau

Robert Oertel, Regent
William E. Chamberlain, Treas.
Robert Floyd, Vice-Regent
William J. Robinson, Scribe

Phi

Nick Trbovich, Regent
Frank Coers, Steward
Jack Vanderford, Treas.
M. B. Sanders, Adviser
K. L. Timmins, House Manager
P. A. Mankin

Sigma chapter housed the meeting and dispensed good old fashioned hospitality in large quantities. Beginning promptly with a 12:30 luncheon at the chapter house, the delegates plunged into fraternity affairs and scarcely came up for air during the next twenty-four hours. At a regular Sigma chapter meeting the national officers explained the purposes, plans, and program of the conference.

Next came divisional meetings. Grand Regent Hopkins presided at a conference of chapter advisers; Grand Inner Guard Glass led a conference of chapter regents and vice-regents; and Grand Treasurer Vawter held forth with the Scribes and Treasurers. A lively discussion was had in each group. At four o'clock all groups reconvened for a general discussion of specific points brought up at the conferences.

The next event was a banquet at Hotel Senaca where fifty-one Theta Taus sat down to a well earned meal, and afterwards listened to a program of short talks elicited from the older

men and the chapter regents by Toastmaster Russ Glass.

The group then gathered at the Sigma chapter house where a model initiation of Pledge Derringderger was carried through in excellent fashion by the Sigma officers. The evening

ter advisers were held and individual conferences followed. Most of the delegates left at noon for the return trip.

The success of the meeting was unqualified. National officers and delegates alike were warm in their praise



being yet young, a school of instruction was convened by the national officers and topped off by a midnight supper. With this meeting the day officially ended.

On Sunday morning, conferences between the national officers and chap-

of the conference and deeply grateful to Sigma Chapter for its splendid hospitality. That such meetings are beneficial was an opinion held by all.

In order to show the enthusiasm for the meeting, several letters received by THE GEAR are here printed.

Impressions of Regional Conference

Nu—Leland Sphar

The conference brought to me an entirely new and finer conception of Theta Tau. Previously, although of course I knew of the national character of the fraternity, I had thought of the organization as being fundamentally a local one, probably because

Nu chapter has been quite active on the Tech campus, but has devoted very little attention to national activities. I was very pleasantly made to realize, at Columbus, that I do belong to an active national organization. I am heartily in favor of these regional conferences because of their coordi-

nating and unifying influence on the various chapters. I sincerely hope that when Tech can be host to a conference, we can equal Sigma's excellent example.

Nu—William Martin

On looking back at the regional conference of Theta Tau held last week at Columbus, I feel that if the idea inaugurated at this meeting can be continued, it will prove of great advantage to the fraternity.

As a representative of a non-house



Sphar, Hopkins, Daniels, Vawter, Martin
Nu XXX YYY ZZZ Nu

chapter, this conference altered my view of the organization, from that of our small isolated unit, to one of a strong coordinated fraternity.

For the chapters that have houses, these meetings, if continued, should offer a golden opportunity for discussion of problems and grievances that have arisen between the chapter and the national council.

Since more boys can attend a regional conference than a national one, it offers a greater spread of fraternal fellowship among the participating chapters. Let us hope that the program inaugurated here may continue, and that Nu chapter may soon play host.

Nu—Harry Robey

The regional meeting at Columbus, Ohio, was a great success. The program was well planned and executed by the members of Sigma Chapter. Many subjects were discussed at the conferences, and were very interesting and enlightening. However, the greatest benefits were derived from the associations with the other delegates. We at Nu are rather narrow in our outlook and it is not until such an occasion as this that we really realize the extent and national organization of Theta Tau.

It was very interesting to me to see a chapter in operation which operates a house. I was thoroughly convinced that the Sigma Chapter was a more highly organized unit because of this fact. The initiation put on by the chapter was very commendable.

The greatest benefits came from the opportunity to personally meet the four members of the executive council who were present. The short associations with these men were most interesting.

In conclusion, I believe that such meetings are of untold benefit to all who may attend, and should be continued in the future. I hope that Nu chapter may soon be the host to some of the chapters present at the Columbus conference and that we may put on as commendable a program as did Sigma Chapter.

Phi—Nick Trbovich

Herewith are my impressions of the Sectional Meeting held in Columbus, Ohio, on October 24, 1936.

Phi chapter's delegation consisted of the following men: Prof. W. B. Sanders, Faculty Adviser; Nick Trbovich, Regent; Jack Vanderford, Treas-

urer; K. L. Timmins, House Manager; F. L. Coers, Steward; and P. A. Man-kin.

Through joint conferences with the national officers and the officers of other chapters, many valuable ideas for the management of chapter affairs were suggested. The initiation ceremony and its subsequent discussion illustrated means for making the initiation ceremony more impressive. The banquet furnished opportunities to become better acquainted with our national officers and members of other chapters.

However, one of the greatest values of the sectional meeting was its instilling of the spirit of "nationalism". We all know that Theta Tau is national in scope, that it has chapters from coast to coast, but this meeting made us appreciate more fully the potentialities and possibilities of a national organization such as Theta Tau. It has unmistakably shown us that many benefits can be derived from membership in a national organization in which the members are bonded together by common interests, common purposes, and common problems; moreover, a national organization in which the members are pledged to assist one another.

Our only regret is that we did not have the necessary time to meet individually and to associate more freely with each and every delegate.

Tau—R. W. Oertel

We had looked forward to the Sectional Meeting. We were so anxious to be on time that we left Syracuse at about seven-thirty Friday morning to insure our arrival at Columbus by noon Saturday. Brother Floyd had a radio installed in his car so that we could enjoy the ride.

In Cleveland Friday evening, Brother Glass was our host. He showed us as much of the city as we could see by night. Quite a good sized town! We couldn't get used to the fast traffic and the novel method of handling it at intersections. We met Mrs. Glass and the two youngsters—a fine family, indeed. Hope Russ has mastered the operation of that new coffee urn. A drop in the cup is worth two on the table.

Saturday noon, at the Sigma Chapter House, we met so many fellows all at once that we couldn't remember a name for a minute, but as meetings



Robey, Sphar, Daniels, Martin
Nu delegation would like another

convened, we became better acquainted with some of the brothers.

The meetings of special groups in the afternoon provided us the most aids to chapter management of any of the other meetings. The exchange of ideas among chapters seems a very beneficial function of a meeting of this sort. We greatly respect the Executive Council for their interest in the welfare of the chapters and their sincere willingness to do what they can to help. They are a fine group of men and it is a benefit to the chapter whose officers have had the opportunity of meeting them. We regret that Brothers Schrader, Curtis, and Nusser were not present, for meeting

these men would have been an added inspiration.

The dinner at the Seneca Hotel was swell. Brother Glass makes an excellent toastmaster. It was fitting that he should act in that capacity, for it symbolized, in a way, the fact that he fostered the idea of the meeting.

The initiation, as the last event in a full program of activities, was put on in an impressive manner and conveyed a lasting effect. We realize more, now, the need for robes in a successful initiation. We didn't envy Norm his job—but he did well.

Now, probably, the first impression that the meeting leaves on the minds of the Tau delegates is the fact that the national officers are real fraternity brothers to all Theta Taus. They have our interests at heart and are anxious to aid in the betterment of Theta Tau.

Then, the success of the gathering forms an impression. The purpose of the meeting, we believe, has been accomplished and Brother Glass is to be congratulated for seeing his idea through to a reality. Thanks to Sigma Chapter for its hospitality and we hope that the Executive Council will see fit to make Sectional Meetings a part of the regular program.

Kappa—Harold Townsend

The sectional meeting held at Sigma Chapter was a great success as I viewed it. It helped the Chapters of Theta Tau to know each other better and tended to put the fraternity as a whole on a common footing with its chapters.

The hospitality of Sigma Chapter was in great abundance. I don't know when I have felt as much at home in a strange place as when I was a guest at the Sigma chapter house. There was a feeling of friendship and fraternal brotherhood that immediately put me at my ease. When the time came to go I hated to leave.

I think that more of such meetings in the future would be highly beneficial because it tends to keep the chapters of a particular section on their toes. Men in the various chapters can exchange ways of doing things, and thus all can benefit by the accomplishments of the individual chapters.

Also a better understanding between the Executive Council and active men is promoted. The Executive Council being better known, will cease to be something far off and high on a pedestal. This will help make closer relationships between alumni and active chapters.

Here's to more and bigger sectional meetings!

Mrs. Smythe-Browne was making the final arrangements for her elaborate reception.

"Bridget," she said to her old servant, "for the first thirty minutes after six o'clock I want you to stand at the

drawing room door and call the guests' names as they arrive."

Bridget's face lit up.

"Very well, ma'am," she replied. "I've been waitin' to do that to some of your friends for years."

A Message from Your Grand Regent

On October 15th I had the pleasure of visiting Alpha Chapter in their home. Among other things of interest I saw for the first time the original articles of association, signed by the founders of Theta Tau, framed and hanging in the living room. What an inspiration to reflect on their courage, fortitude and sagacity in laying the foundation for this fraternity. How well they builded is proven by the progress and prestige which this organization has enjoyed.

As you know, the strength of any fraternity lies in the personnel of its active units. Our chapters are located at many of the best engineering colleges and universities in the country and have contact with the highest type of engineering students. We have much to offer the best of engineering students and it is your privilege and duty to make this known to them.

The average chapter member spends three years as an active and the rest of his life as an alumnus. An active, sincere interest in your chapter affairs will increase your knowledge of our fraternity and give you a greater appreciation of the enjoyment of alumni standing after you have completed your college course. Good alumni are made right in the active chapters and good officers will bend their efforts to

train all active members to be better Theta Taus. The future of the fraternity is largely in your hands.

Know Theta Tau, then, for what it is and the ideals and principles on



H. H. Hopkins, Grand Regent

which it is founded. Lend your strength individually and collectively for greater progress and when you graduate your alumni brothers will welcome you with open arms. In that way the success of Theta Tau is assured.

George Brimhall Likes It in China

The Texas Company
Gough Island Terminal
Shanghai, China

Dear Brothers Mercer and Howe:

I was glad to hear from you and feel like this is renewing an old acquaintance, for I met you both at the Biennial Convention at Fayetteville, Arkansas, in 1931. I was there with Cliff Anderson and John "Dinty" Moore, of Alpha Chapter. If this gets a bit too familiar, just overlook it and blame it on the culpability of a lingering bit of sentimentality from one not quite accustomed to being in a foreign port.

I have been here for some six months as maintenance engineer of the Shanghai Terminal, and foreman of machine construction of the China Terminals—a job that does not leave very much time for indulgence in an educational program of culture and sociology; but as a substitute it offers a bit of "rule of thumb" engineering and "big shot" executive duties over some sixty native technicians, fitters, and coolies. I get along with the latter the best as they are not so very smart.

As I before mentioned, I have been here for a little more than half a year, and find each day that my meager knowledge of China and its people seems less and less as I learn more and more; but nevertheless the little of China that I have seen around Shanghai is very interesting.

I am located on the Whangpoo River, and the Chinese junks that ply up and down this muddy carrier of commerce will never cease to be a source of old world aesthetic beauty. The daylight reveals a vividly painted



"Picturesque sails silhouetted . . ."

galleon with a highly decorated stern, probably pictorially depicting the life of the owner as it was or should have been. The anti-stream lined contours of the gun'al terminate at the bow in a blunt, inartistic fashion. Beneath the foredeck, if the junk is big enough to have one, is a huge artificial eye carved from wood and is the unseeing, yet all seeing, guide for the junkman and his family. Not a single boat of any consequence would consider venturing far without a pair of these grotesque wooden eyes, one on each side of the junk's blunt bow. The most fascinating thing about these vessels is their sails. They are great brown things, heavily ribbed and supported by bamboo poles. At night, with these great picturesque sails silhouetted against the moonlit water of

the Whangpoo, and the star studded blackness of an Oriental sky—well, it just helps one forget the less pleasant side of this part of the world.

The greatest hobby and pastime among the natives here seems to be that of eating. Seldom is a native seen without having some bit of food in his hand or already in his mouth. They live to eat and their multi-coursed "Cher Fans" are spectacular testimonies of their high degree of perfection in the culinary art. A meal is started with toasted watermelon seeds as teasers, then many courses of fish, soups, meats, bamboo shoots, hot wine (it's delightful), prawns, shark fins, Peking duck, and finally for desert sickening pastries and almond soup. Amid all this repast one may have the exclusive entertainment of Sing Song Girls, but this particular foreigner does not find the monotonous chanting nor the personal appeal of the girls especially conducive to thorough enjoyment of gastronomical activities.

Thank you for letting me know of H. Royce Greatwood, Eta '26, who is in Shanghai. I hope he has written

you more tangible news of China than I. It would take a good many years to know much truth about China, and for that reason it is an interesting place to be, regardless of its backwardness.

Hoping to hear from you again soon, I remain,

Yours very truly in H. & T,
GEORGE BRIMHALL

Tientsen

August 23

Dear Brothers Mercer and Howe:

I thought this had been sent long ago but found it today among my papers.

Since the last writing I have been transferred to the Tientsen Terminal as Assistant Superintendent, and find life here a bit more enjoyable than in Shanghai, though I've been here only a very short while.

Any news you can forward of Theta Taus, especially Alpha men, will be much appreciated and enjoyed. Hoping this finds the "GEAR" and its editors the best ever, I remain

In H & T,
GEORGE BRIMHALL

Brother Quinn, Alpha '12, Unsuccessfully Kidnapped in Mexico

Brother M. F. Quinn, manager of the Compania Minera del Cubo, S. A., has an unusual form of outside activity. He specializes in being kidnapped by bandits. Bandits, or patriots, as some call them, confronted Brother Quinn at his office in Guanajuato, Gto., one nice Friday afternoon. They kindly invited him to accompany them, backing up their invitation with mausers. Outside of some show of bravado induced by mescal,

the native courage producer, and some fancy stepping to keep out of the way of the bullets of some Federal men who arrived too late, the bandits and their captive arrived safely at a stronghold in the hills. For two days and a half they feasted on raw eggs and pulque. And that was all. Brother Quinn arrived home in time to hear the radio announcement of his disappearance.

To quote Brother Quinn (who is

more eloquent concerning the country than his own adventure): "Mexico, like most of the rest of the world, is in a state of agitation looking toward social reconstruction, which is making present operating conditions extremely trying, but a stable condition will probably eventually be found under which industry can go ahead again.

The present trend is decidedly socialistic on the part of the Government, but it is hard to conceive the Mexican as very socialistic as a permanent state of mind. However, the old time Mexico has gone, and future operations will have to be based on modern methods and developments to offset the rising wage scale."

A Word Picture of Bolivia from W. V. DeCamp, Gamma '08

Pulacayo Bolivia
October 28, 1936

My dear Mr. Howe:

In response to your letter of September 28th, I beg to state that the writer has been engaged for the past year in consultation and management work for the Hochschild Interests in South America on a number of their mining, metallurgical and hydro-electrical operations. The following is rather a general picture of conditions as they exist here.

Bolivia is very very old as a mining state but very new with respect to many of the problems of the engineer. There is a wealth of mineral of many kinds widely distributed. Most of it is in an area located at elevations of from twelve to even sixteen thousand feet. The major deposits consist of gold, tin, silver, zinc, lead, wolfram and antimony, and are located in an area surrounding the Alto Plano, a high plateau surrounded both on the east and west by eruptive plugs of highly acid rocks frequently highly mineralized.

Many of these famous old mines were operated by the Inca or even Pre-Inca civilizations, later by the

Spaniards, then the French, the Germans, and today by English and American interests. One famous old property was registered in 1745 and has been operated continuously since that time. Modern mining and metallurgical methods have succeeded the crude methods formerly employed on the shallow oxidized ores.

The major population of three million is made up of numerous tribes of Indians, largely agriculturally inclined and practically self supporting if occasion demands. During planting season they plow the ground to a shallow depth with a wooden plow, powered by a yoke of oxen and harrow it only with a stone lashed to a short stick with which they beat up the clods of earth left by the plow. Planting and harvesting season over, they return to the mines. They are simple, hard working, kindly natives, developing in time to the Cholo and later the Hente.

Social security and income tax laws have been developed despite the low cost of labor under a highly devalued currency, the low labor costs permitting competition in the world metal markets. The new government is highly socialistic.

The country exports metal, practic-

ally none of which is smelted here, and imports food stuffs, machinery, fuel and timber. Development of hydro-electric power occupies an ever increasing position, and ultimately, despite the backwardness of the natives to progress, electrification will be greatly extended.

England, France, Germany, Japan and other countries have largely captured the import market formerly enjoyed to a considerable extent by the United States, and the export of metal

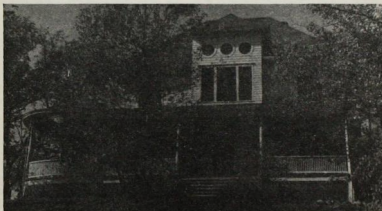
to European markets continues to increase.

Bolivia is very, very old, but its mineral resources are tremendous and it is destined to be very much older as a mineral producing country, with modern methods gradually supplanting hand labor and with improved transportation that has already placed her capital four days by plane from New York, and six days from Europe.

Yours sincerely,

W. V. DECAMP, Gamma '08

Zeta Moves to the Top



Returning Zeta Alumni will find the chapter in a different house this year. This house is located at 1245 Louisiana Street and is being rented by the chapter. Zeta men feel that the new location has several advantages, even though the house is somewhat smaller than the one formerly occupied. The present house is large enough to accommodate twenty-five men and at the same time is not so

large as to be expensive for operation—at least so Zeta hopes.

After a strenuous period of rearranging, the chapter has settled into its new quarters and feels that it is living in "home, sweet home." This feeling of satisfaction is increased no end by the knowledge that the brothers will no longer have to climb the long hill (Mount Oread), for the house is on top of the hill on which the campus is situated.

Professional Fraternities

The booklet *Professional Fraternities*, sponsored by the Professional Interfraternity Conference has been completed, final proofs approved, and it is now ready for distribution.

This booklet is 4¾" x 7½" in size, and will easily fit in one's coat pocket. It contains a brief history of the American college fraternity system, and of the establishment of professional fraternities. It contains such chapters as Relationship to the Faculty, Objects and Benefits of Professional Fraternities, The Choice of a Fraternity, Alumni Activities and Relations, and Responsibilities of Membership. There is also included a brief statement regarding the organization and objectives of the Professional Interfraternity Conference. This is followed by a directory of all fraternities belonging to our

conference, arranged by professional categories, and containing brief data regarding the place and date of establishment of each fraternity, the number of active chapters and total membership as of December 31, 1935, a statement of the objectives of each fraternity, and a reproduction of the badge of each fraternity belonging to our conference. This booklet contains 36 pages plus cover.

To encourage wide distribution, these will be sold at a slight loss to the conference. The selling price of this booklet has been established at 3 cents per copy. This price is so nominal that it is necessary that member fraternities purchase copies in lots of 50, and authorize The Interfraternity Conference to get them to chapters with all possible dispatch. The cost will be but \$1.50 per chapter.

Alumni Dues

At the Twelfth Biennial Convention, December, 1935, Grand Regent Fred Coffman, in reviewing the financial policies of Theta Tau, moved that he be authorized to solicit voluntary alumni dues of one dollar per year to be used in increasing the service of the fraternity to its members.

Up to this time, he has mailed nearly one thousand letters to alumni. Approximately 12% have paid their annual dues, and of course about 25% of the letters were returned because of improper address, which is good evidence of the need of a directory. About 16% of the alumni have at least replied to the letters.

Chi Chapter at the University of

Arizona has had the greatest percentage of returns. Generally speaking, the newer chapters have the most responsive alumni groups. The members of Epsilon Chapter seem to be the most widely distributed over the world. This chapter also has made a good showing.

A member of Lambda Chapter had not received his letter but when his roommate received one he wrote a letter forwarding a dollar and asked why he had been overlooked. A member of Nu Chapter was away from home and instead of forwarding the letter on to her son, his mother sent his dues for him.

Such incidents as these help Brother

Coffman to forget the work involved. So far all letters have been mailed out without a cent of stenographic hire. Also, the mimeographing has been done at no cost to the Fraternity.

The unselfish interest which Brother Coffman is taking in this work should inspire loyal Theta Taus to do their bit.

"What's in a Name?"

Gentlemen be seated! The Theta Tau Hall of Fame is now to be presented for the first time on any stage. The greatest show in the world. Come one, come all!

Over on the right you will see the greatest political battle of the century featuring Al Smith (Beta) in one corner, H. Hoover (Zeta) in the other, with John Quincy Adams (Pi) in the middle. (Of all places!)

To your left is Dave(y) Jones (Psi), still looking for his locker, and having a whee of a time with his John(ny) Walker (Beta).

In the next room, dear people, we have the musicians. Bill(y) Rose (Alpha) is composing a cheerful ditty, while Carl Fischer (Sigma) is doing a neat job of arranging it.

Two great movie personalities are

behind you: Bill Robinson (Tau) is strutting out a dance that's good enough for anybody, doing his best to pester Richard Bennett, (Chi) that grand old actor, who is learning his lines.

The most unusual scene is this next one. John Sullivan (Psi) is doing his darndest to box with Jack Rabbitt (Psi), who won't quit hopping around long enough for John to smack him down. Smart guy, that Rabbitt.

Our prize winner is the group of three men over yonder by the musicians. We find poor Bobby Jones (Alpha) with whom Vernon Quarles (Pi), and whom Harmon Harms (Lambda). Look. Over there in the corner. Can you C. Manly Wade (Pi)?

Fortune magazine for October, 1936, under the title, "Element Number Forty-two", a description of Climax Molybdenum, carries a picture of Alan Kissock, Gamma '12, and states in part the following:

"Nowadays, about 70 percent of the moly used in the U. S. is sold as calcium molybdate, the product of a process developed by Alan Kissock, an

independent metallurgist from Tucson, Arizona, who is now one of Climax's presidents. . . . "Kissock's process knocked down the price of moly by a third. Since 1932 calcium molybdate has sold for eighty cents a pound against ninety-five cents for ferromolybdenum, which latter is used chiefly in cast iron and high-speed and stainless steels."

In Memoriam

DEAN G. C. SHAAD, Honorary Zeta '00

The loss of Dean G. C. Shaad, who died on July 10, 1936, will be deeply felt by the members of Theta Tau Fraternity. Dean Shaad was always actively interested in the engineering profession and Theta Tau, but no matter how busy he was, he always found time to enjoy a yearly dinner at the Theta Tau Fraternity. His opinion of the fraternity was reflected in his encouragement of his two sons to join Zeta Chapter.



In 1900, after receiving his B.S. in electrical engineering from Pennsylvania State College, he was employed by the General Electric Company. In 1904 he was made assistant professor at the University of Wisconsin. Two years later he went to M. I. T., with the assistant professorship ranking, and the following year was made an associate professor. He came to Kansas with the professor's rank two years later. In 1929 he became dean of the Engineering School at the University of Kansas, which position he held until his death.

Dean Shaad was a member of the University of Kansas athletic board, and for six years the Kansas member of faculty representatives, the governing body of athletics in the Big Six Conference.

Dean Shaad took an active interest in the American Institute of Electrical Engineers, and the Society for the Promotion of Engineering Education. He was a member of the Kansas Engineering Society, Sigma Xi, Tau Beta Pi, Phi Kappa Phi, and Theta Tau. He prepared a treatise on the construction and operation of electrical power stations, which was issued as a section of a widely used handbook for electrical engineering.

In 1916 Professor Shaad was selected as one of the five Kansas members of the state organization for industrial preparedness. One of his most recent appointments was to the delegatory committee of the Engineers' Council for Professional Development, representing the American Institute of Electrical Engineers for the states of Kansas, Missouri, Arkansas, Oklahoma, Louisiana, and Texas.

Dean Shaad and his family spent recent summers in Northern Minnesota where he indulged his fondness for fishing. His fish stories proved highly entertaining, especially to the Kiwanians. He was president of the local organization a few years ago. Golf was his recreation and he won one of the prizes at the faculty tournament at the Big Six meeting in Lincoln in May.

Chancellor E. H. Lindley paid this high tribute to Dean Shaad:

"The death of Dean G. C. Shaad is the most serious loss the university has suffered in years. He was beloved personally, on the campus and nationally, and he had the confidence of professional engineers. As a member of the university athletic board and the Kansas representative on the Big Six faculty, he did much to advance the highest standards of athletics."

Dean Shaad is survived by his wife, a daughter, and three sons, two of whom are members of Theta Tau at Kansas University.

MILTON K. CAMPBELL, Epsilon '14

THE GEAR has received word of the death of Brother Milton K. Campbell, who has been living in Mexico. Brother Campbell had a very weak heart, and death was probably due

to heart failure during a severe storm on September 26, in which the mining property under his management was destroyed.

ROBERT E. ROBBINS, Sigma '25

Robert E. Robbins was born in Columbus, Ohio. He graduated from Ohio State University in 1925 with a B. C. E. degree. While attending the University, he was a member of Theta Tau.

For the past ten years Brother Robbins has been located in Chicago, where he was with the Illinois State Highway department. He died at his home in Chicago following a long illness. He had undergone an operation last November, from which he never recovered.

Brother Robbins is survived by his wife and mother.

GEORGE BAILEY McLEESE, Lambda '24

George McLeese was born May 15, 1900. He attended the public schools in Salt Lake City and the University of Utah where he graduated in 1924. For twelve years after graduation he was employed by the Oregon Short Line Railway as a construction engineer. At the time of his death he was chief engineering inspector for the P. W. A. Brother McLeese was a past Regent of Lambda chapter of Theta Tau, and President of the Engineering Society at the University of Utah his senior year. He is survived by his wife, a daughter, a son, his mother, a sister, and a brother.

JOSEPH H. WOOLF, JR., Gamma '14

Joseph H. Woolf, Jr., died July 8, 1936, from a heart attack while playing golf. Upon his graduation from the Colorado School of Mines in 1914 he followed his profession of mining engineer for several years in Colorado and Utah, later accepting a position in Korea. Returning to America he gave up activity in engineering to enter the wholesale produce business with his father. Brother Woolf belonged to the Kiwanis club, Chamber of Commerce of Greely, and was keenly interested in the Boy Scouts. He is survived by his wife, his parents, three young sons, and two sisters.

JOHN A. McCLAVE, Gamma '32

John A. McClave was a native of Fort Lupton, Colorado. Upon his graduation from the Colorado School of Mines he worked on the Engineers Lease at Victor, Colorado, until January 1933. From there he went to Chile with the Braden Copper Company, in the capacity of shift boss for the Braden mine at Rancagua, Chile. It was here that Jack met his death in a mine accident. Jack was a member of the Theta Tau engineering fraternity, and the Sigma Alpha Epsilon, general fraternity. He is survived by his parents, a brother, and three sisters.

EVERETT BUTLER STEVENS, Alpha '25

Everett Butler Stevens, born November 2, 1902, in St. Paul, Minnesota, attended public schools there and graduated from the Central High School. In the fall of 1921 he entered the University of Minnesota, studying mechanical engineering. He received his B. S. degree in 1925, and an M. S. in 1926. During his graduate work he was assistant instructor in the College of Engineering. In June 1926 he entered the employ of the William Brothers Boiler and Manufacturing Company, and continued there until his death. Brother Stevens was also a member of Scabbard & Blade, and St. Paul Lodge No. 3, F. & A. M. He is survived by his father and mother, and two brothers.

CLAIRE E. KELLY, Gamma '31

Claire Kelly, class of '31, died September 29, from injuries as the result of an automobile accident near Dodge City, Kansas.

Brother Kelly was a native of Kansas and spent most of his life in the state. He attended grade and high school in Wichita and then entered the Colorado School of Mines from which he was graduated in 1931 with the degree of Petroleum Engineer.

In 1934 Kelly joined the U. S. Forestry Service and was sent on a project near Ashland, Kansas, where he served first as technical foreman and later as assistant superintendent.

He is survived by his parents, a sister, and two brothers, all of Wichita.



John A. McClave

The GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

P. L. MERCER, Omicron '21 and J. W. HOWE, Omicron '24
Editors

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NUMBER 1

THE RITUAL

It was a pleasure at last Convention time to note how well most of the delegates knew the ritual and other secret work of the Fraternity. Proficiency in this work is an excellent measure of the general success of a chapter, for usually a good, well operating group will rate high in their handling of the ritual, whereas a chapter which has slumped in other things will normally have slumped on this phase also.

There is a definite relation between the esoteric and the exoteric work, for the ritual is largely inspirational in its character and hence strengthens us as individuals and as an organization. The importance of good ritualistic work in every chapter, therefore, can hardly be over-emphasized. By adding formality and poise to regular meetings the ritual constantly reminds us of the serious purpose of these meetings and so actually serves to expedite business. Its beauty, dignity, and impressiveness, when properly presented, means everything in an initiation.

These benefits, however, may be all but lost if the presentation is poor. We earnestly recommend, therefore, that deep study be given the ritual especially by those delegated to read the lines in initiations. Such study cannot fail to be of great value in increasing ones knowledge and under-

standing of the principles of our body as well as in increasing his effectiveness in presenting the work. Careful reading, with good diction and proper intonation, will put the intended expressiveness into the lines thereby cultivating respect and reverence for the Fraternity and for the Profession of Engineering, not only among the initiates but also among all the members present.

WHAT IT TAKES

Many a man of collegiate age has wondered how he will get along after graduation. Some wonder what they can do while still in college to give them a better opportunity after graduation.

Although the average student does not realize it, many an industrial executive or personnel officer has been thinking along similar lines. He, too, is wondering how he can select young engineers who can occupy positions of responsibility later on.

Thus, it is interesting to note that most all of the large industries which employ engineers, look mainly to an applicant's standing while in college. They assume that an individual who was able to master the new material which was presented in college will also be able to meet the new problems which arise in industry. A lazy or dilatory student is quite likely to continue in the same manner after

graduation and employers are not interested in him.

While it is true that high college standing is not a guarantee of success, it is also true that it is the best indication of later success. Personality, sales ability, and other attributes may be of great importance in many situations, but the fact remains that industry still judges the young engineer on his first four years of engineering work.

Theta Tau chapters should offer every encouragement to their members to gain high standings, for in so doing they greatly enhance the probabilities of success of those members in the engineering profession.

HELP! HELP!

Not the least of the problems of editing THE GEAR is that of securing suitable articles and news relating to the Fraternity with which to fill the gapping pages of each issue. This material in the main must be gathered from all over the United States and frequently from far off countries, either through solicitation or preferably through voluntary co-operation of members. For some reason, perhaps because the slowly returning prosperity puts greater demands on time—at least that can serve as an excuse until a better one is found—the supply of acceptable material for GEAR publication has dwindled considerably of late.

To curb this tendency and once more get things headed in the right direction, we come now with an appeal for your help in supplying news and articles which properly belong in the pages of THE GEAR. While the general character of the material we can use is obvious, it might be helpful to list the topics we think speci-

ally desirable. Ponder on these subjects as you read them. Possibly they will suggest some news or some story you should share with the Fraternity through the magazine.

1. Articles on engineering achievements of Theta Taus. This refers to write-ups of engineering works of outstanding merit, unusual design or widespread general interest to the completion of which Theta Taus have made major contributions.
2. Character sketches or biographies of Theta Taus who have attained success in their chosen fields of engineering. Also similar sketches of members who have contributed exceptional service to the fraternity.
3. Articles dealing with professional questions—aims, ethics, etc.
4. News items or feature articles of general interest on your college of engineering. This would include stories on new buildings, new equipment, new courses, new methods of teaching and other kindred subjects.
5. Feature articles on your chapter with regard to special accomplishments deserving of more space than usually given to chapter letters.
6. Special articles on fraternity problems—rushing, pledge training, finances and the like. Usually these will be of a general nature, but specific examples and experiences are always of great help and interest.
7. News items concerning Theta Tau, other professional engineering fraternities or the fraternity world in general.

In many cases photographs are a natural adjunct to the story and as such should always be included where

possible. Chapter outings, dances, parties, homecomings and alumni reunions offer opportunities for pictures which might appropriately be used with chapter letters or elsewhere in *THE GEAR*. Since photographs and illustrations add greatly to the readability and attractiveness of any magazine, we try to use as many as our slender budget will allow. However, we must depend on chapter correspondents and other interested mem-

bers for our photographs even more than for articles and news items.

So please remember *THE GEAR* throughout this year and the years to come. Send in your material—articles, clippings, notes or photographs—as it comes to you so that for each issue we can always present a good assortment of the things that make the magazine most valuable to the Fraternity.

Theta Taus Think ---

June 4, 1936

Mr. Erich J. Schrader
Reno, Nevada
Dear Erich:

I have recently received my copy of the spring number of *THE GEAR* which has a lot of good material in it. I might say however, that I think the half-tone work is terrible and very irregular. Some of it is fairly good, and some of it is very bad. I wonder if they couldn't get that handled a little better.

Yours very sincerely in H & T,
George D. Lauderbach

In fairness to the engravers we must say that many of the snapshots used in that issue were taken under unfavorable conditions and could not be reproduced to perfection. The issue was also printed on cheap stock which made good reproduction difficult.

October 30, 1936

Dear Brother Editor:

I am enclosing our chapter letter for the fall issue of *THE GEAR*, together with a recent picture of the members of this chapter. There was some delay in obtaining the photograph, which accounts for the lateness of this letter.

At this time I want to offer my congratulations for the last issue of *THE GEAR*. The complete, interesting report of the Jamison

Vawter Convention received the highest praise from the members of Lambda chapter.

Yours in H & T,
William L. Bulkley
Corresponding Secretary

"Thanks for them kind words,"
Brother Bulkley.

Apartado 269
Arequipa-Peru
South America
August 9, 1936

Theta Tau Fraternity
Chi Chapter
Tucson, Arizona
Dear Brothers:

I have just read with great pleasure your news letter dated May 18, 1936. Last year has been very likely one full of importance, since your news letter registers so many marriages, so many new members, and so many meetings; it has been the most active year since '34, for I have kept watching the progress of Chi Chapter since then, and from afar. Let us hope next year is finer and more prosperous, that it may find Chi Chapter within its own building. By the way, am I among the members who owe a bill on the tomb fund? I shall like to know in case I do.

The mine has been sold to another company and my address is therefore changed to the one printed above. I might keep my job with them, but, in the meantime, the one stated will do. (In the meantime I'm looking for other mines to sell. It is much finer to find a mine and sell it—get in and out of

it fast—than work it for a salary during a year. This has been proven with the sale of the last mine I worked for, in which I promoted the sale myself).

Your brother in H & T,
J. R. Othick

Next time we're in the market for a mine we will let you know, Brother Othick. Thanks Chi, for forwarding the letter.

October 27, 1936

Dear Brother Howe:

Inclosed you will find the material as you requested; a chapter letter and an alumni news sheet. Also, you will find a cartoon pertaining to our recent employment. I hope you will find this material suitable for publishing.

Two of our brothers, Dr. Seagar, Montana School of Mines, and Dick Matthews, 345 West Park St., Butte, Montana, have failed to receive their latest GEARS. They would appreciate your placing their names upon your mailing files.

We would like to request a surplus of GEARS to be sent for distribution to pledges, if you find it possible.

Thank you for your consideration of the matter.

Yours in H & T,
Dave Piper
Scribe, Psi Chapter

We are always glad to put eligible Theta Tau's on the mailing list and will do so upon receipt of an address. All men initiated since 1930 are eligible for a life subscription—and all others upon receipt of \$15.

Crescent Rd. R. R. 4
Lawrence, Kansas
October 4, 1936

My dear Mr. Howe:

Under separate cover I will send you a photograph of Mr. Shaad. I should be glad to have it returned, if possible, after use.

With three members of my family members of Theta Tau, and a fourth hoping to be in time, I have always felt close to it in my

own interest. One of the last places and memories Mr. Shaad and I had was enjoying dinner with the group in Lawrence. No matter how busy Mr. Shaad was he always found time to accept this yearly invitation. His Theta Tau pin I hope to see worn by the youngest boy, in time. Paul and George have their own.

Thank THE GEAR very much for expression of their sympathy.

Very sincerely yours,
Merthys T. Shaad

We share your hopes for your youngest son, Mrs. Shaad, and will be proud to have him wear the badge.

1639 Summit Street
Columbus, Ohio

Dear Brothers:

Please send my copies of THE GEAR for this year to the above address.

At present I am a graduate assistant in geology at Ohio State. It is quite a jump to go from a school of 250 to one of 12,000, but it has been accomplished without undue strain on my small school complex.

Yours in H & T,
Frank Trask, Jr.
Psi '36

The bigger they are the harder they fall, Brother Trask.

Knoxville, Tenn.
October 12, 1936

Dear Brothers Mercer and Howe:

Just a few lines to put me back into circulation, as far as Theta Tau is concerned.

Since graduation in June I have been located here in Knoxville, Tenn., with the Tennessee Valley Authority. I am in the engineering design division and am working as a draftsman on the Pickwick Landing Project.

May I wish you lots of luck in the current year and I am looking forward to the next issue of THE GEAR with anticipation.

Yours in H & T,
John D. Boylan
Sigma, '36

And lots of luck to you, Brother Boylan. There are several H & T men there. Hope you get to know them.

Letters from the Chapters

Alpha Entertains Grand Regent



The fall program of Alpha Chapter got off to a good start with our 32nd Founders' Day Banquet on October 15, at the Francis Drake Hotel, at which about sixty alumni from the Twin City region were present.

Our guest of honor for the evening was Grand Regent Hopkins, who gave us a very encouraging and inspiring talk on the conditions of the fraternity as a whole.

Since the last issue of *THE GEAR*, we have initiated eight new members: Vincent Victoreen, Leonard Starlof, Vincent Spoor, Gordon Nygren, Donald Johnson, Lloyd Lewis, Harry Larson, and Reino Ranta. The active chapter at this time, has nineteen members including Brother O'Keefe, a transfer from Omega Chapter. Our pledges are Orville Lundstrom, Clifford Ohman, and John Stegmeir. We plan to continue our rushing this year by holding technical meetings once or twice a month, at which we invite men to the house to meet and talk with some professor from their own branch of engineering. We found this plan, originated by Brother Olson last year, to be very successful.

The present officers of the chapter are: Regent, Earl Bennetsen; Vice-Regent, Ronald Robertson; Treasurer, Robert Aslesen; Recording Secretary, Arthur Ronbeck; Corresponding Secretary, John Swenson; Marshal, Robert Heising.

The chapter has been active in engineering activities on the campus. Engineers' Day, which is held every year on St. Patrick's Day, was a big success and was climaxed by the annual Engineers' Brawl, at which we were well represented. Our annual spring formal dinner-dance was held at near-by Lake Minnetonka on June 5. In spite of the closeness of the date to final exams, the party was a success and was well supported by the younger members of the Twin City Alumni Chapter.

Our members are also active in the student engineering societies. Brothers Victoreen and Starlof are Chairman and Secretary respectively, of the Institute of Aeronautical Sciences. Three of our Aeronauticals, Brothers Starlof and Spoor, and Pledge Ohman, are actively flying for the University Flying Club. Brother Larson is on the sophomore commission from the Mines School, and Brother Victoreen is the engineering representative on the All University Council and the Secretary of the Technical Commission. Brothers Rollin and Swenson are representatives on the *Minnesota Techno-Log* and Engineering Bookstore Boards.

In intramural sports we participated in softball, tennis, and horseshoe in the spring quarter, and have entered teams in tennis and touchball this fall. The chapter also held its annual canoe trip last Memorial Day. This trip was made down the St. Croix River from Taylor's Falls to Stillwater.

JOHN P. SWENSON

October 23, 1936

Sixty-five Beta Men Return to College Anniversary



Beta began its new year auspiciously, with thirty active members. Five new pledges are on the list: Bill Clark, Paul Klenner, Bob Williams, Frank Woodruff, and Ron Campbell. Last spring William Gribble, Pat Cosgrove, Clark Olson, and Norman Moberg became members of Beta, and so far this fall Richard Ferguson and John Swanson have been initiated.

We expect to have a very successful season under the leadership of Regent Henry Ringle, Vice-Regent C. C. Hascall, Scribe Harvey Smitz, Treasurer Edmund Korybalski, Marshal Paul Harrington, Inner-Guard Richard Holtz, and Outer-Guard Reynold Kolkoski. Brother John Quay is the new steward and is running the house in fine style.

During the summer the Michigan College of Mining and Technology celebrated its fiftieth anniversary on August 5, 6, and 7. Beta gave a luncheon during the reunion and had sixty-five alumni present.

Last spring and this fall the boys have been fixing up the old homestead in many ways. The down-stairs has been re-papered and painted, many rooms redecorated and new furniture and carpets bought. We would like to report that our automatic stoker is doing a fine job and saving us a considerable sum of money in fuel, besides being much cleaner.

Beta again received the scholarship trophy for the fifth year in succession by compiling the best scholastic average on the campus. We lost most of our Tau Beta Pi men but hope to make up for the losses soon. We still have Brothers Swanson and Korybalski, who are holding up the average.

Theta Tau is well represented in campus activities. Brother Korybalski will edit the Lode and be a member of the Blue Key, Tau Nu Tau, Chi Epsilon Chi, Student Organization, and the Dance Committee. Brother Sanabria will lead the Blue Key and Tau Nu Tau as president of each. He is also chairman of the Finance Committee and a member of the Student Organization. Other brothers who are members of other fraternities are

Ringle and Cosgrove in T. N. T.; Swanson in Blue Key; Gribble, Ferguson and Reynolds in Alpha Sigma Mu; Ringle and Swanson in Chi Epsilon Chi. On the Lode staff we also have Ambrosiani as advertising manager, Harrington as business manager, and several others acting as reporters and writers.

The key men of the football team are Brother Baxter and Pledge Clark. Basketball claims Brothers Gribble, Cosgrove, Krohn and Kolkoski, who is the Captain.

The Junior Class has Brothers Ferguson and Holtz as secretary and treasurer, respectively, and Ambrosiani on the Student Organization.

Beta had forty-five present at the Founders' Day Banquet. Brother Nelson Griswold of Lambda was the principal speaker of the evening.

Again we would like to put out that everlasting call for the lost or strayed alumni and would appreciate information as to their whereabouts.

RICHARD HOLTZ

October 26, 1936

Gamma Ghost Gets 13

GOLDEN
■
COLORADO

Gamma Chapter started the new year with ten active members, all of whom are active in campus activities on the Colorado School of Mines campus. Regent West is co-captain of the

football team, a member of Scabbard and Blade, the Athletic Council, the "M" Club, and Ski Club, and is treasurer of the Sigma Nu fraternity. Vice-Regent Sands is an outstanding member of the football squad, a member of Scabbard and Blade, the Athletic Council, the "M" Club, the Ski Club, and a letter man in wrestling. Our scribe, George Jenkin, is a member of the conference championship swimming team, the track team, the A. I. M. E., Colorado Society of Engineers, President of Sigma Delta Psi, secretary-treasurer of the "M" Club, and Glee Club. We are proud of our treasurer, Jack Mullinax, who is president of the student body, president of the "M" Club, an outstanding man on the football and track teams, a member of the wrestling squad, and a member of Scabbard and Blade. Roscoe McCutchen, Marshal, is doing a fine job at end this year. Brother McCutcheon is Gamma's man about town. Our Inner Guard, Ed Peterson, is also a member of the football team. He is presi-

dent of Sigma Nu, a member of Blue Key, and a member of Scabbard and Blade and the "M" Club. Gene Meyer, Outer Guard, is the other co-captain of the football team. Gene is president of Sigma Alpha Epsilon, a member of Scabbard and Blade and the "M" Club. Brother Smith is treasurer of Beta Theta Pi, football manager, a member of Scabbard and Blade and Blue Key. Brother Brown does a stellar job on the mound for the ball club. He is in Scabbard and Blade and the "M" Club. Brother Shott is a returning letter man in wrestling, president of Alpha Tau Omega, and is active in the publication of the school paper, "The Oredigger".

The Ghost walked the Colorado School of Mines campus by the light of the moon and pledged thirteen men: Rex Flynn, Charles Tarr, W. G. Moulton, Adin Marshall, George Yeager, Dick Scanlon, Howard Sawitzke, James Appleton, Hubert Risser, Joe Hopkins, Bob Hundhausen, and Arthur Weinig.

Gamma Chapter can be proud of the Ghost for its verbal (fortunately) rebuking of an armed force of about forty lads fearful of the Ghost, and lead by the honorable brothers of Sigma Gamma Epsilon who sought to question him. The Ghost walks in its own awful way.

Gamma regrets the leave of absence of our

brother and advisor, Professor Boatright, who is doing consulting work in Texas.

Alumni will be interested to know that Brother Sands has entered the ranks of Benedicts. The bride is the former Miss Georgia Rose Schrader of Bristow, Oklahoma.

Gamma Chapter urges its friends and alumni to correspond with the chapter, c/o George F. Jenkin, 914 Nineteenth St., Golden, Colorado.

GEORGE F. JENKIN

November 16, 1936

Epsilon Creates a Functionless Committee



This semester Epsilon Chapter has been well organized and is running on regular schedule since the first meeting. Each bi-monthly meeting has been attended as well as any special function, and much enthusiasm has

been prevalent throughout.

The fall open house was held during the last of September. After a very good dinner, Dr. Chaney, of the Paleontology Department gave a very interesting talk on a recent trip that he made to Alaska during the past summer recess. He cited many interesting experiences while collecting fossils there, and from what he says, the locality is a veritable cold storage room of fossils, both recent and past.

At the beginning of the term the chapter roll showed an active list of only twenty, a large number having graduated this last May. However, this situation has been remedied and the total active list now stands at thirty. The ten new members were initiated into the fraternity on October 24th at the Hearst Memorial Mining Building, after which the active chapter adjourned to the Hotel Oakland for the usual initiation banquet. Professors Anderson and Byerly were the speakers of the evening.

Epsilon Chapter has the following officers for the present term: Regent, Galen Sturgeon; Vice-Regent, William Neilson; Scribe, James Wilson; Treasurer, James Joubert; and Corresponding Secretary, John F. Lord.

In the field of athletics we have William Clough, who is very active in intramural sports; Phil Chubb is a member of the rugby team; and Vard Stockton, a new initiate, is

one of the best guards on the coast in the field of football.

To offset these records we are fortunate in having many members who are in honor and general fraternities. Gregory and Milenz are in Phi Beta Kappa; Gregory, Wilson, and Sturgeon in Sigma Xi; Neilson and Arthur in Tau Beta Pi; Fowler and Reynolds in Skull



- Row 1: Lord, Mosher, Feldmeyer, Arthur, Milenz
 Row 2: Joubert, Cavigli, McFadden, Wilson, Neilson, Brown
 Row 3: Sturgeon, R. Fowler, Coats, Durell
 Row 4: Chubb, Fowler, Repecka, Welles, Phillips
 Row 5: Pabst, Uren, Byerly, Hersam, Anderson, Chaney

and Keys; Neilson and Fowler in Golden Bear; Fowler and Stockton in The Big C.

To lighten the more serious moments a new group has been formed called "The Inactive Junior Advisors Committee." Brother Durell, who has become inactive this semester, has been given the honor of being its chairman and first member. His election was unanimous, but as yet the duties of the committee have not been decided.

JOHN F. LORD

October 24, 1936

Zeta Throws Footballs, Horseshoes, Parties

LAWRENCE KANSAS

Zeta Chapter of Theta Tau opened the fall semester with seventeen actives and nineteen pledges returning to school. Since that time we have pledged six men and the fall pledging campaign is still in full swing, with the annual freshmen Engineering smoker scheduled for November 3 at the Chapter House.

Initiation ceremonies will be held November 8 for the following men: Stanley Bloom, Wilbur Clemens, Guy Guthrie, Myron Harries, Leslie Haug, Hugh Magruder, Gail May, Raymond Rogers, George W. Russell, and Montgomery Veatch. Immediately following the initiation ceremony the Founders' Day Banquet will be held at the Eldridge Hotel Grill Room.

Election of new officers will be held soon and it is hoped that the new officers will execute their offices as well as the present have done. The present officers are Regent, Fleming Scofield; Vice-Regent, Milton Russel; Scribe, Howard Moreland; Treasurer, Lewis Benz; and Corresponding Secretary, Charles Beard.

Theta Tau is well represented on the En-

gineering Council at Kansas University, and also in several departmental societies. On the Council is Lewis Benz, president; Victor Koelzer, senior representative; George W. Russell, sophomore representative; John Grist, mechanical representative; and Clifford Willis, mining representative. Victor Koelzer is also president of the A. S. C. E., as well as being a member of the University Men's Student Council. Raymond Rogers, Don Flanders, and Leslie Haug also hold offices in the A. S. C. E. Bob Russell is Chairman of the A. S. M. E.

Intramurals are under way at the university. At present Zeta Chapter is leading the division in both touch football and in team horseshoe play. As for varsity activities, Howard Moreland is a letterman in football and is playing guard on this year's team.

Zeta Chapter is going social in a big way. The fall party, which promises to be the best held in several years, is formal. It is to be held December 5, at the Union Ballroom, with Louis Kuhn's twelve piece orchestra furnishing the evening's music.

HOWARD MORELAND

October 29, 1936

Theta Entertains Rushees with Football Movies



Theta Chapter was badly hit this year by men not returning to school. Brother Strobel was marooned in South Africa when the ship upon which he was a radio operator was held up for several weeks. However, we expect him to be with us again next term. Brother Woodruff was also unable to return to school this year and other men were lost by graduation. Therefore, Theta starts the year with eight active members.

The men last initiated were Rath, Checkovich and Dumaresq, active members; and Mr. Frederick N. Dutcher and Professor Lincoln T. Work, honorary members. The officers installed at the same meeting were: Albert V. Luebbers, Jr., Regent; Charles O. Hughes, Vice-Regent; Clark B. Risler, Treasurer; Howard N. Strobel, Scribe; and Albert L. Chudoba, Corresponding Secretary.

Several of the men had very interesting summer experiences. Brother Hughes worked in an iron mine in Dover, New Jersey, and Brother Luebbers spent the summer working in the coal mines in Beckley, West Virginia.

The weekly luncheons, which have been

changed to Wednesday, are no longer used as a medium to contact prospective pledges. We have adopted the policy of conducting smokers on Friday nights for this purpose. The first one was held last Friday and was very successful. Pictures of the 1935 Columbia-Syracuse game were shown and Brother Checkovich acted as commentator, a job for which he was peculiarly suited, since he played center in that game. This method allows us to contact more men at the time and should prove to be quite satisfactory. The next thing on the social calendar is an informal dance to be held in the Harrington Social Room and to judge from a similar affair held last spring it should be a huge success.

Judging from the experiences of the men Theta graduated last June, it should not be difficult for the men getting out this year to obtain jobs. Smith is working for the General Electric Company at Schenectady; Auer is working for the telephone company; Gould is working for a contractor on a construction job; and Banchemo, Shaughnessy, McCormack, Carrera and Rionda are also fortunate enough to have positions.

ALBERT V. LUEBBERS, JR.

October 26, 1936

Iota Holds Majority of Tau Beta Pi Stock



Iota Chapter begins the school year with twenty-two active members, lead by the following officers: E. W. Logan, Regent; W. A. Busch, Vice-Regent; W. P. Luder, Scribe; and A. A. Phillips, Treasurer. This season promises to be a very successful one for Theta Tau on our campus.

The scholarship standing of the members is one to be proud of. Of the seven undergraduate members in Tau Beta Pi, four of them are Brothers Logan, Busch, Breuer, and Luder. Among the new pledges to Tau Beta Pi are Brothers Frame, Sheckler, and Lanier. Phi Kappa Phi has recently announced eight pledges for the coming year, and three of them are Brothers Logan, Busch, and Breuer.

Among the student chapters of the professional societies sponsored on the campus, many of the Brothers have been honored with offices and are proving their abilities in such capacities. In the A. S. M. E., Brother Luder is secretary and Brother Holz is treasurer. The A. I. E. E. is captained by Brother Logan, president; Brother Busch, vice-president; and Brother Seibel, treasurer. The A. S. C. E. has your correspondent as vice-president and Brother Breuer as secretary-treasurer. The A. I. M. E. is presided over by Brother Barclay and Brother Evans is treasurer.

The Junior class elected Brother Carroll,

president; Brother Prange, secretary; and Brother Ellis, treasurer. The Independents are officered by Brother Wilkey, president; Brother Barclay, secretary; and Brother Logan, treasurer. Brother Frame is vice-president of the Interfraternity Council. Brother Holz is vice-president of the Officers' Club with yours truly acting as secretary.

We have one letterman on the football squad, Brother Wilkey. Brother Busch, letterman, is expected to be a regular on the basketball squad again this season.

The members on the Miner Board, a school publication, are Brothers Ruemmler, Evans, and Moore.

Last spring the chapter enjoyed a visit from Brother Jamison Vawter. A banquet was held in his honor, to which Upsilon Chapter sent several members. A spirit of fellowship existed at the meeting which will be well remembered. We hope to be able to get together with Upsilon Chapter and some member of the executive council again this year.

This fall the chapter entertained prospective pledges at a smoker. Capt. W. W. Hodge, the guest speaker, presented an illustrated lecture on the San Francisco Bridge Projects.

Iota takes great pleasure to announce the return of Brother Kenneth F. Sheckler to our surroundings after an absence of three years.

E. B. LANIER

October 28, 1936

Lambda Years for Its Alumni



Lambda Chapter started the year with little of the usual beginning-of-the-year slump. Under the capable leadership of Regent Dick Reinhold, with the assistance of Vice-Regent Lynn Madsen, Treasurer Burton

Hatch, Scribe Stanley Benson, and Corresponding Secretary Bill Bulkley, the chapter held a Founders' Day Banquet which hit a new high for such affairs. At this banquet a general "round table" discussion was substituted for the customary formal speeches. This innovation was enjoyed by everyone, but received special praise from the alumni who were present.

On April 26th, the following men were initiated: Dale Ansell, William L. Bulkley, Malcolm Collins, Gene S. Edwards, Lawrence A. Erskine, Frederick A. Harris, Mack S.

Kesler, C. Lynn Peterson, Fred Rasmussen, Jr., Dell K. Tower, Robert F. Weyher, and William R. Wilson. At this time Dr. F. F. Hintze, Associate Professor of Geology at the University of Utah, was initiated as an honor-



Lambda accidentally decapitates brothers

Front Row: Benson, Smith, Ansell, Duder, Wilson
Second Row: Collins, Bulkley, Reinhold, R. Madsen
Third Row: Hatch, Murray, R. Treseder
Fourth Row: Rasmussen, Harris, L. Madsen, Tower

ary member of Theta Tau. Lambda Chapter feels proud to be able to include Dr. Hintze among its distinguished honorary members.

Following the initiation, the annual birthday banquet of Lambda Chapter was held, at which time the events of the year were recalled by past regent Maurice McKendrick and the new officers and members spoke briefly. As a grand finale to this eventful day, Dr. Hintze gave a very interesting talk.

The large increase in membership last year was more than offset at graduation, since Lambda Chapter lost sixteen members at that time. Thus, we had only nineteen actives and five pledges at the beginning of this year. However, with one of our informal pledge parties, which have always been so successful,

scheduled for the middle of next week, we hope to soon increase our numbers.

The offices in the University Engineering Society are again filled completely with Theta Tau men. Brothers Murray, Benson, Russ Madsen, and Harris are respectively, president, vice-president, secretary-treasurer, and athletic manager of that organization.

Again Lambda Chapter expresses the hope that the alumni will write to us from time to time in order that we may keep in touch with those who have preceded us, and that, knowing their addresses, we may share our hopes and plans and successes during the coming year.

WILLIAM L. BULKLEY

October 30, 1936

Mu Has an "Alabama Hay Ride"



Well, believe it or not, Brothers, Mu has become a little beehive of activity. Yup, you may call us an active chapter again. We realize we've made plenty of mistakes in the past, but this year we are well on our way

toward making amends for all of our past discrepancies. So, fo'give us, Brothers, and we'll promise to be good boys from this very minute fo' evah 'n evah. Amen.

We are extremely fortunate in having a group of actives who are working wholeheartedly for the betterment of Theta Tau. With such enthusiastic and unprecedented co-operation, we can't help but accomplish many things.

At present we have twelve pledges, all of whom are deeply interested in Theta Tau and expending every effort to improve our chapter. Each week we have pledge meetings which are proving beneficial to both pledges and actives alike. Menial tasks and assignments for pledges hold their interest and add a bit of merriment to the gatherings, as well as serving as a means of teaching us all the true worth of our wonderful Fraternity and its history.

We are proud of our program for the year. On December 5, our formal initiation will be

held. It will be immediately followed by a formal banquet at the McLester Hotel for old and new members and their dates. We are anxiously awaiting this event. Then we have a smoker planned, and a hay ride which will culminate in a party at a log cabin we have obtained for the occasion. On St. Pat's Day we are to have a "Leadout" at the annual St. Pat's Ball. As is our custom on that day, at the Engineers Banquet, we shall present the Theta Tau Loving Cup to the outstanding graduating Senior Engineer. This award each year has grown to be a very coveted one.

Again this year our faculty advisor, Brother Fred Maxwell, Jr., is our guiding star. We are indeed thankful for his untiring efforts in our behalf. With his aid our officers and members are looking forward to a really successful year. Our officers, by the way, are as follows: Paul R. Cooke, Regent; Edmund Storer, Vice-Regent; Carl Adams, Treasurer; Charles Coleman, Secretary; Russel Lancaster, Recording Secretary; and G. Milton Ellis, Marshal.

For the past couple of years Mu has been dormant, but those days are gone forever. Brothers, right now we are starting to get up and walk around a bit. Yes sir! Good old Mu of Alabama is definitely on the way up, and are we happy about it!

PAUL R. COOKE

October 29, 1936

Nu Learning to Squiggle



Nu Chapter was rather late in getting started this semester as classes did not begin until September 30. We have a membership of twenty-one actives at this time, and have plans to bring in some new pledges within a few weeks. Our present activities are all concentrated in various committees on Cultural Talks, improvement of the award to the most promising senior engineer, and social activities. Next week we reopen our Cultural Talks to the student body with an address on "The Art of Squiggling", delivered by a member of the Sculpture Department. Plans are being for-

mulated hoping that these talks may be continued with still greater success this year.

Nu Chapter had a delegation of three members at the Regional Meeting held in Columbus, Ohio, under the auspices of Sigma Chapter. The three men present were Brothers Sphar, Martin, and Robey. Our Treasurer, Professor J. M. Daniels, who is Grand Vice-Regent also accompanied us. This meeting was a huge success and the scheduling of similar meetings should be continued in the future, as inestimable benefits are derived from the associations with men of other chapters.

HARRY F. ROBEY

November 5, 1936

Omicron Helps Build Corn Monument



Omicron Chapter has started another successful year with seventeen actives and eight pledges, most of whom are living in the house.

Brothers Paul Aschenbrenner of Dysart, Iowa, and Louis Butterworth of Hinsdale, Illinois, were recently initiated into the chapter.

The present officers are: Regent, S. Rex Sayre; Vice-Regent, Paul E. Weber; Scribe, L. Gerard Simon; Steward, John Perry.

To date we have had one radio party and

a Homecoming party at the chapter house, both of which were very successful.

In extra activities Omicron men hold all the offices of the Associated Students of Engineering, and most of the leading positions on the "Iowa Transit" staff. Brother Sayre was elected into both R. E. I. and A. F. I., this year. Omicron men played a leading part, as usual, in the traditional building of the Homecoming Corn Monument.

We are now looking forward to winning some cups in the annual bridge, ping-pong, and basketball leagues.

L. GERARD SIMON

October 30, 1936

Pi Indulges in Smoky Sessions



Pi Chapter seems to be launched upon a very successful year with the return of 27 active members. Regent Barth Gilchrist, Vice-Regent Joe (Tiger-man) Cowgill, Treasurer Ed Mason, House Manager Herb Landis, and Scribe Tinsley Rucker are at the helm.

The following men were pledged this fall: "Pat" Patterson, Churchill Chalkley, Charlie Bild, Archer Jones, Cal Muse, John Ward, Dick Stafford, John Mallard, and Bill Bache. The initiation of these pledges will increase the number of active members to thirty-six.



Pi Pledges in full regalia

Our student-faculty smoker this year was attended by a number of guests as well as the fraternity members. These smokers, the first of which was held last year, have been successful in stimulating informal discussion between students and faculty members.

Pi Chapter is well represented this year in extra-curricular activities. Brother Paul Fitzpatrick is doing some good work on the football team, and Brother Olsen and Pledge Stafford show promise in basketball. In Tau Beta Pi, Theta Tau is represented by Brothers Joe and Harry Cowgill, Hurt, Rucker, Caruthers, Olsen, and Mason. Brother Ed Mason also won the "Tau Bate" award this year for attaining the highest scholastic average in his class. Brothers Joe Cowgill, Hurt, and Ruc-

ker are members of the Engineering Council, and the presidents of their respective professional societies. Brother "Wee Willie" Caldwell remains our uncrowned bowling champion.

On October 24, Homecoming Day, Pi held an informal party which was attended by Brothers Kennedy, Kendall, George, Glunt, and Armstrong from the alumni.

J. T. RUCKER

October 26, 1936

Sigma is Soft Ball Champ



Sigma Chapter has twenty-six men back in school this fall, twenty-two actives and four pledges. Nine men graduated last spring. The house is full, with nineteen living in it. The following officers were

elected last spring: Regent, Norman E. Schoewe; Vice-Regent, Robert Y. Frazier; Scribe, Robert J. Gilchrist; Treasurer, John S. Ksepko; Marshal, Elbert J. Boebinger; Corresponding Secretary, Carl D. Fischer. James M. Robinson is the present steward.

Sigma men got off to a good start in extra-curricular activities this fall, when James M. Robinson was chosen to be editor of the "Ohio State Engineer", a campus publication. John S. Ksepko, Bob Frazier, Stephen Ginal, E. J. Boebinger, and Robert G. Derrrenberger are members of the staff. Sigma has three representatives on the Engineer's Council. Carl D. Fischer was elected Junior Chemical Engineering Representative; E. J. Boebinger, Junior Mechanical Representative; and James Robinson represents the Ohio State Engineer. Pledge Lewis Skillman has been promoted to Lieutenant-Major, Ksepko to Captain, Boebinger and Fischer to second lieutenants in

the University R. O. T. C. Unit. The Theta Tau float won second place in the Engineer's Day Parade last spring.

Sigma of Theta Tau added six trophies and cups to those already on our mantel, for winning in intramural sports. The awards were in bowling, horseshoe pitching, track, and soft ball. We won the University championship in soft-ball, our team being victorious over thirty-two other fraternity teams. Norm Schoewe led the way with his good work on the mound. This fall Norm Schoewe and Bob Gilchrist went to the semi-finals in the University doubles horseshoe pitching tournament. The touch football squad has lost one and won one game. The second game was won 19-0. The high spot of the game was when pledge Manner skirted right end for forty yards, behind perfect blocking and interference.

Brother Richard Snow, Chairman of the social committee, announces a semi-formal homecoming dance to be held November 21. We would appreciate communications from alumni in regard to alumni news, changes of address, and other articles of interest to Theta Tau men.

CARL D. FISCHER

October 30, 1936

Tau Dines and Dances



The spring election of officers was held April 7, 1936. The following officers were elected: Robert Oertel, Regent; Robert Floyd, Vice-Regent; William J. Robinson, Scribe; William Chamberlain, Treasurer; and

Richard Freyberg, Corresponding Secretary.

On April 19 the following pledges were

initiated: Charles Floring, Donald Hastings, Dana Barnes, Ronald Blair, Lloyd Cherey, Kenneth Davenport, Edward Fassler, and Harold Goodman.

The spring dinner-dance for the initiates was held May 6, and was a huge success, thanks to Brother Floyd who made the arrangements.

Tau endeavors to justify its existence by sponsoring every year the Annual Engineers' Banquet which is held in the spring. In ad-

dition to this we are this fall, having an All Engineers Dance. Brother Floring as chairman of the dance committee is doing a bang-up job and the affair promises to be very successful.

The actives in the chapter have not confined their activities to membership in Theta Tau. Fred Wise is Cadet Colonel of the local R. O. T. C. Unit and Bill Chamberlain is a Cadet Captain in the same outfit.

Charlie Floring and Don Hastings are President and Secretary-Treasurer, respectively, of the A. I. E. E., while Bill Robinson and Lloyd Cheney hold the same offices in the American Society of Civil Engineers.

Bob Oertel and Ronnie Blair are the two

secretaries of the Applied Science Bowling League. Oertel is also a member of the College honor committee. Dick Freyberg is a member of Tau Beta Pi and is one of the main men on the Varsity Soccer Team. Barney Goodman is a member of the swimming team.

Fred Weeks is the director of the Engineers Orchestra, and is also a member of the University Band.

At present we are making plans for fall rushing, and are completing the dance program details.

W. J. ROBINSON

October 30, 1936

Upsilon Throws Bushel of Wieners for Loss



Last year, before school was out, Upsilon Chapter made whoopee at a wiener roast. Those with sufficient "S. A." brought dates and a good time was had by all.

This year's officers are: Bob Milner, Regent;

Ladd Davies, Scribe; Bob Nienstedt, Treasurer; and John Shapard, Corresponding Secretary.

Upsilon members are well represented in university activities. Ladd Davies, Tau Beta Pi, Blue Key, Sigma Alpha Epsilon, A. S. C. E., and President of G. E. S.; Bob Milner, Business Manager of The Arkansas Engineer,

Vice-President, Sigma Phi Epsilon, Pershing Rifles, and a Cadet Officer; Bob Nienstedt, Kappa Sigma, Assistant Business Manager of Arkansas Engineer, Cadet Officer, A. S. C. E.; Delbert Schmand, Theta Kappa Nu, Secretary, A. I. E. E., Vice-President, I. E. S., and Black Cat Cotillion; John Shapard, Sigma Chi, Cadet Officer, Pershing Rifles, Staff of Arkansas Engineer; Bill Stelzner, Sigma Chi, Kappa Kappa Psi, A. S. M. E.; Jack Wyatt, Sigma Nu, Arkansas Boosters Club, A. I. E. E., Cotillion Club. All of these brothers are also members of the General Engineering Society.

JOHN M. SHAPARD

October 28, 1936

Phi: Food, Friction, Frivolity



Phi seems to be clicking along in grand style this semester. We have a fine gang and are fortunate in having no internal friction in the House. (Except for the broom on the floor).

This semester we have sixteen members and nine pledges. So far, the pledges have been most excellent; we use just enough "hickory swing" to make it understood who is "wearing the pants." Ken Gardner, a freshman pledge, placed third for us in the annual inter-fraternity track meet. Were we proud of him? Yea! For competition he had the varsity squad! Nick Barsha will make the varsity squad in basketball this

fall, and Lambert's Boilermaker squad is tough.

Our present officers are: Regent, Nick Trbovich; Vice-Regent, Howard Wren; Scribe, William Corbin; Treasurer, Jack Vanderford; Steward, Frank Coers; and House Manager, K. L. Timmins.

Phi was selected with a most successful dance on Saturday night, October 10, following the Homecoming football game with Wisconsin. Incidentally, Purdue won, 35-14. Several alumni were present at the dance and every man in the House attended. Regent Trbovich was quite busy keeping the boys from over indulging in the untainted (?) punch.

We expect Brother Roberts, who has been vacationing at Akron University, to return

next semester. Brother Zweig is now working as an engineer in Whiting, but will be back next semester to resume his role as "Joe College." Phi promises to be more than prosperous before its school year is over.

We would like to see some of you "far

away" brothers once in a while. I might say that we have a new cook, Mrs. Herman by name, and if you think she can't cook, well come to Lafayette.

W. C. CORBIN

October 29, 1936

Chi's Founders' Day Banquet Grand Affair



On October 18, Chi Chapter held its Founders' Day Banquet. This date was chosen because it gave the attending Alumni an opportunity to see the Arizona-Centenary football game.

Thirty-two members were present at the banquet: seventeen actives and fifteen alumni and faculty members. Brother Leon McGee acted as toastmaster, entertaining us with several good stories. Brother L. O. Fisel, a charter member of Chi, spoke on the "Founding of Theta Tau and of Chi Chapter." Dr. E. P. Mathewson, one of our honorary members, was speaker of the evening. His subject, "Reminiscences of a Metallurgist", presented a colorful picture of his life in the early days of mining in the west. Brother E. S. Borgquist, in the absence of Brother Steenberg, read his written report on last year's activities of the Southwestern Alumni Association. An interesting feature of the evening's entertainment was the reading of many alumni letters. The letters came all the way from Ben Cody in West Allis, Wisconsin, to

Dick Othick in Arequipa, Peru. Dick writes that he is now buying and selling mines. Two of our alumni members left this summer for jobs in the Philippines, Delos Gardner, and John Soule.

The spring initiation was held May 2, and was followed by a dinner-dance at the Del Rio Country Club. The nine men initiated at this time were John Rittenhouse, Edward Young, Arthur Pearson, George Pierce, Harold Spires, Martin Denn, Sam Tucker, Henry Sohrn, and Alton Cannon.

We are proud to announce that several of our Theta Tau men are taking leading parts in extra curricular activities on the campus. Our Vice-Regent, Tom Conroy, is the student body vice-president this year; Sam Tucker is playing football again where he is really making good at quarter, and is the only engineer on the team; William Turner has left us and is in training at the Naval Air Station at Pensacola, Florida; Tom Hall has just been elected to Tau Beta Pi; George Houston holds the Fellowship in the Civil Engineering Department.

HOWARD FINK

October 27, 1936

Psi Sighs for the Life of a Miner



Psi started its fifth active year, with fifteen active members, under the capable leadership of Regent Robert Lawson; Vice Regent Schlecten; Scribe, Dave Piper;

Treasurer, Bernard Tarrant; Corresponding Secretary, Seward Prater; Marshal, William Tretheway; Inner Guard, Leo Gallagher; Outer Guard, Elton Youngberg.

It is our pleasure to announce the initiation of the chapter's first honorary member, Dr. G. L. Shue, on May 29th.

Due to a faculty rearrangement we were fortunate in that, of two new additions, both

are members of Theta Tau—Dr. Seagar of Epsilon, and Dr. Peretti of Psi. Dr. Peretti had recently returned from a year's study in Germany, during which time he gained his doctor's degree. Dr. Seagar comes to us from the Texas School of Mines where he was a member of the faculty.

The fifteenth of October saw the initiation of five new members, Duykers, Parken, Mitchell, Holleran, and Smith, and will be remembered as giving additional significance to Founders' Day.

After a somewhat extensive rushing program, the chapter welcomed thirteen new pledges to its rolls with the feeling of a task well done. During the course of our rushing

it was our good fortune to listen to a most interesting talk on German college life and conditions pertinent to it by Dr. Peretti.

Our Founders' Day party was held at Echo Lake Lodge, October 24th, where eighty-four Theta Taus, alumni, actives, pledges, and their ladies dined and danced through an evening that will long be remembered. The scene of activities, viewed from the balcony of the lodge, was more than colorful. To see the immaculate expanse of white on the main dinner table enhanced by the sparkling green china and the flickering red tapers more than justified the work that was necessary for such an occasion. With a Toastmaster such as Scoop Schlecten, our party was assured of success.

Through the co-operation of the school's employment committee and the Anaconda Copper Mining Company, it has become possible for the Junior and Senior members to obtain one shift of underground work per week. We all feel like true ore-diggers for sure. And do we love it! (See cartoon).

DAVE PIPER

October 27, 1936



Omega "Floats" Its Way to Fame

RAPID CITY
S.D.

Twenty brothers returned to school this fall and without exception turned in reports of having spent a profitable summer—a report which is well confirmed by a survey of jobs held by Omega men. Brothers Bohac, Flint, Foster, Quinney, and Davis worked for various divisions of the State Highway Department; while Brothers Bingham, Ferguson, and Rose now found employment at Clover Leaf gold mine at Roubaix; and Brothers Burleson and Versaw also worked in mines. H. Buus, for the second summer, helped collect fossils for the school, while another of our geologists, "Doc" Trantina worked with the South Dakota State Geological Survey. Three brothers found positions with municipal or county engineering staffs. Miscellaneous jobs held by other Brothers were as carpenters, draftsmen, icemen, barbers, bus drivers, grocery clerks, and instructors at boy's camps.

On Saturday October 18, at midnight, we initiated five pledges: David L. Davies, Merlyn Woodle, Bob Davis, Ira Stanley, and Woodrow Whitham. It was Omega's second trial of the midnight ceremony, and it has proved so satisfactory that we now consider it firmly established in the chapter program. The following night our annual Founders' Day Banquet was held at the Alex Johnson, and it also served the purpose of a reception banquet for our new initiates. Brother Goster officiated as toastmaster, and Dr. Gries, who was

recently appointed to the School of Mines geology department, gave an interesting talk on "Ground Water Levels."

Chapter activities thus far this fall have included several smokers for prospective men, and an "open house" following the Homecoming Day dance. The Theta Tau float entered in the "M" Day parade by Omega was awarded a tie for first place due to the artistic ability of Brother Dorwin. At the present time we are organizing forces in an attempt to recover the intramural athletic cup which we lost last spring.

True to form, members of Omega are taking a prominent part in school affairs. Brothers Flint, Whitham, Bork, and Bohac belong to Sigma Tau and hold the offices of President, Vice-president, Secretary, and Treasurer, respectively. At the present, S. Ferguson is a Sigma Tau pledge. Brothers Bohac and Gremmels are on the senior council while Bingham, Foster, and Davis hold positions on this year's hard boiled frosh committee. Foster and Bingham are also presidents of the local chapter of A. S. C. E. and the local student chapter of A. S. M. E., respectively. In football, brothers Bingham and Heald are holding regular varsity positions.

In closing, we of Omega want to thank our alumni brothers for the fine set of letters received on Founders' Day. They were truly representative of Theta Tau spirit.

R. V. FLINT

October 28, 1936

Gamma Beta Battling Along



Gamma Beta started the year with 22 actives and 2 pledges. The pledges J. H. Rixse and M. G. Christopher were pledged before school closed in June, and are scheduled for initiation on December 12. At present we

have several prospective men in view whom we hope to pledge and subsequently initiate at this winter's initiation. We welcome back, after an absence of one semester, Brothers Sherry and Hoffman. At our last initiation, just prior to the close of school in June, the following new members were initiated into Gamma Beta: T. R. Edmonston, P. W. Downey, J. R. L. Beane, Jr., Charles J. Mikuszewski, I. K. Jones, R. N. Matson, B. H. Benson, and E. M. Tritle. The initiation was held at the Hay Adams House. A banquet followed the ceremonies.

Our new officers are as follows: Brother E. J. Thomas, Regent; Brother John E. Parsons, Vice-Regent; Brother James C. Robertson, Scribe; Brother George C. Rhine, Treasurer; and yours truly will endeavor to fulfill the duties of Corresponding Secretary.

Gamma Beta men are again prominent on October 17th at a dinner which was attended by the actives, pledges, and eleven alumni from both local and out of town chapters.

In the way of activities, Gamma Beta is planning a dance, to lighten the burden of studies, which will be held sometime in De-

cember. We also plan to have several dinner meetings of a professional nature. In January the local Alumni Club plans to hold a smoker for the benefit of the active chapter and prospective new men.

Gamma Beta observed Founders' Day on the Engineer's Council and in the Student Chapters of the local professional societies. Brother Rhine is president of the Engineers' Council. Brother T. R. Edmonston is Treasurer, and our Regent, Brother Thomas represents the School of Engineering on the Student Council of the University. Brother R. N. Matson serves as publicity agent for the Engineers' Council, and pledge Rixse represents the local chapter of the American Institute of Electrical Engineers, and is Chairman of that body. Brother Mikuszewski is Chairman of the American Society of Mechanical Engineers and represents that body on the Engineers' Council. Brothers H. L. Sangster is representing Theta Tau on the Council.

Brother Thomas travelled far from home during the summer and went to San Diego, California, where he represented the Department of State, in charge of the department's exhibit at the California-Pacific International Exposition. While on the coast he made an inspection tour of the San Francisco-Oakland Bay Bridge and the Golden Gate Bridge. He also visited the Bonneville Dam site on the Columbia River.

October 29, 1936

EDWARD A. BAKER

Additions to Membership

ALPHA

- 406 Vincent E. Victoreen, Milwaukee, Wis.
- 407 Leonard F. Starlof, Cloquet, Minn.
- 408 Vincent M. Spoor, Cloquet, Minn.
- 409 Gordon E. Nygren, St. Paul, Minn.
- 410 Donald R. Johnson, North Minneapolis, Minn.
- 411 Harry A. Larson, Nashwauk, Minn.
- 412 Lloyd A. Lewis, Henning, Minn.
- 413 Reine A. Ranta, Nashwauk, Minn.

BETA

- 404 Herbert F. Krohn, La Grange, Ill.
- 405 Lester H. Cummings, Mineville, N. Y.
- 406 Charles W. Baxter, Houghton, Mich.

- 407 George L. Turner, Battle Creek, Mich.
- 408 William H. Swank, Londonville, Ohio
- 409 William C. Gribble, Jr., Ironwood, Mich.
- 410 Patrick A. Cosgrove, L'Anse, Mich.
- 411 Norman A. Moberg, Johannesburg, S. Africa
- 412 Clarke K. Olson, Houghton, Mich.

DELTA

- 363 Norman O. Heimerdinger, Cleveland, Ohio
- 364 Charles H. Tindal, Cleveland, Ohio
- 365 John T. Vaughan, Cleveland, Ohio
- 366 Charles R. Newpher, Shaker Hts., Ohio
- 367 Carl F. Geltz, Canton, Ohio
- 368 Kendall E. Thomas, Cleveland Hts., Ohio

EPSILON

- 407 Robert M. Brown, Berkeley, Calif.
 408 John H. Douma, Handford, Calif.
 409 William N. Mosher, Los Angeles, Calif.
 410 Phillip D. Chubb, Berkeley, Calif.
 411 William J. Clough, San Bernardino, Calif.
 412 T. Fenton Ham, Lodi, Calif.
 413 Russell R. Bryan, Jr., Berkeley, Calif.
 414 Albert L. Repecka, Inglewood, Calif.
 415 George F. Reed, Los Angeles, Calif.
 416 Arthur E. Feldmeyer, Geyserville, Calif.
 417 Richard C. Mielenz, San Francisco, Calif.
 418 Milan G. Arthur, Redwood City, Calif.
 419 Ian A. Lawrence, Walnut Creek, Calif.
 420 George E. Beinhorn, Exeter, Calif.
 421 Henry J. Cavigli, Bowman, Calif.
 422 Kenneth E. Hill, Oakland, Calif.
 423 Vard A. Stockton, Alhambra, Calif.
 424 Sargent M. Reynolds, Alameda, Calif.

ZETA

- 359 John Wesley Grist, El Dorado, Kan.
 360 Victor A. Koelzer, Seneca, Kan.
 361 James A. Nottingham, Lawrence, Kan.

KAPPA

- 438 Robert A. Banck, Springfield, Ill.
 439 Ralph F. Batt, Dundee, Ill.
 440 Bradley C. Gardner, Jr., Chicago, Ill.
 441 George R. Johnson, Rockford, Ill.
 442 Raymond C. Purl, Chicago, Ill.
 443 Woodrow Walsh, Urbana, Ill.

LAMBDA

- 342 Burton D. Hatch, Salt Lake City, Utah
 343 Stanley Benson, Ogden, Utah
 344 Russell H. Madsen, Mt. Pleasant, Utah
 345 Ferdinand F. Hintze, Salt Lake City, Utah
 346 Clarence L. Peterson, Salt Lake City, Utah
 347 Dale W. Ansell, Salt Lake City, Utah
 348 Gene S. Edwards, Fort Douglas, Utah
 349 Fred Rasmussen, Jr., Mt. Pleasant, Utah
 350 Mack S. Kesler, Salt Lake City, Utah
 351 William R. Wilson, Salt Lake City, Utah
 352 Frederick A. Harris, Salt Lake City, Utah
 353 Clarence M. Collins, Salt Lake City, Utah
 354 Lawrence A. Erskine, Salt Lake City, Utah
 355 William L. Bulkley, Salt Lake City, Utah
 356 Robert F. Weyher, Palo Alto, Calif.
 357 Deil K. Tower, Ogden, Utah
 358 John S. Duder, Salt Lake City, Utah

NU

- 264 H. A. Backstrom, Warren, Pa.
 265 Charles I. Beard, Ambridge, Pa.
 266 George W. Benner, Floral Park, N. Y.
 267 Glenn B. Daughton, Sistrerville, W. Va.

- 268 Winfield S. Scott, New Kensington, Pa.
 269 O. Craig Fay, Wilkinsburg, Pa.
 270 R. M. Galbreath, Pittsburgh, Pa.
 271 George R. Gulland, Pittsburgh, Pa.
 272 Austin Hiller, Pittsburgh, Pa.
 273 Joseph B. Johnson, Chester, Pa.
 274 J. W. Kirkpatrick, Pittsburgh, Pa.
 275 William J. Peterson, Jamestown, N. Y.
 276 Karl T. Rinderle, Sandusky, Ohio
 277 William K. Shaffer, Pittsburgh, Pa.
 278 Leland L. Sphar, Donora, Pa.
 279 Joseph A. Spoorlein, Mt. Lebanon, Pa.

OMICRON

- 213 Louis H. Butterworth, Hinsdale, Ill.
 214 Paul F. Aschenbrenner, Dysart, Iowa

PI

- 186 Harman A. Dinwiddie, Jr., Charlottesville, Va.
 187 Thomas W. Pym, Jr., Suffolk, Va.

RHO

- 183 Carl F. Lange, Melrose Park, Pa.
 186 Frederick T. Scott, Rose Hill, N. C.
 187 John W. Byrum, Tyner, N. C.
 188 S. Robert Watson, Jr., Henderson, N. C.
 189 James Graham Estes, Ft. Worth, Tex.
 190 Hartwell V. Scarborough, Jr., Macon, N. C.
 191 James E. Dickson, Jr., Mooresville, N. C.
 192 T. Alexander Rivenbark, Jr., Watka, N. C.
 193 John D. Spinks, Winston-Salem, N. C.
 194 Carl D. Delamar, Durham, N. C.
 195 William S. Terrell, III, Norlina, N. C.
 196 Samuel M. Hulak, Burgaw, N. C.
 197 William R. Mann, Whitakers, N. C.
 198 Thomas T. Short, Jr., Emporia, Va.

SIGMA

- 189 Richard G. Rymer, Cleveland, Ohio
 190 Eugene E. McPherson, Jr., Newark, Ohio
 191 Robert J. Gilchrist, Toledo, Ohio
 192 George E. Rowland, Dayton, Ohio
 193 Richard D. Snow, Guysville, Ohio
 194 Lewis D. Cisler, Sharon, Ohio
 195 Robert G. Derrnenberger, Columbus, Ohio

UPSILON

- 109 Ladd Davies, Morrilton, Ark.
 110 G. Larry Kelley, Little Rock, Ark.
 111 R. C. Nienstedt, Joplin, Mo.
 112 W. A. Lewis, Jr., Pine Bluff, Ark.
 113 W. H. Davidson, Holly Grove, Ark.
 114 J. M. Shapard, Muskogee, Okla.

PHI

- 133 Frank W. Bryant, West Lafayette, Ind.
 134 George L. Herman, Shawneetown, Ill.
 135 Graham B. Neidhardt, Albion, Ind.
 136 Zachary Yadofsky, Brooklyn, N. Y.

CHI

- 118 Harold Spires, Phoenix, Ariz.
 119 Martin M. Denn, Redondo Beach, Calif.
 120 John D. Rittenhouse, Williams, Ariz.
 121 Samuel Tucker, Santa Ana, Calif.
 122 Alton H. Cannon, Athens, Ala.
 123 Arthur A. Pearson, Tucson, Ariz.
 124 Edward Lee Young, Jr., Douglas, Ariz.
 125 Henry M. Sohrn, Phoenix, Ariz.
 126 George Pierce, Phoenix, Ariz.

PSI

- 56 Richard G. Schaal, Butte, Mont.
 57 William D. Trethewey, Billings, Mont.
 58 Alexander L. Christie, Butte, Mont.
 59 Lewis S. Prater, Butte, Mont.
 60 George F. Shue, Denver, Colo.
 61 Roy O. Smith, Butte, Mont.
 62 John T. Holleran, Butte, Mont.
 63 Walter H. Parken, Butte, Mont.
 64 Walter Duykers, Butte, Mont.
 65 Clarence J. Mitchell, Wellington, V. I.
 B. C., Canada

OMEGA

- 91 John P. Bingham, Geddes, S. D.
 92 Charles E. Bruggeman, Rosebud, S. D.
 93 Paul M. Allen, Pierre, S. D.
 94 Stuart D. Ferguson, Aberdeen, S. D.
 95 Ira Lloyd Stanley, Sioux Falls, S. D.
 96 Robert R. Davis, Sioux Falls, S. D.
 97 David L. Davies, Jr., Aberdeen, S. D.
 98 Merlyn G. Woodle, Sturgis, S. D.
 99 Woodrow C. Whitram, Scotland, S. D.

GAMMA BETA

- 50 John R. L. Beane, Jr., Washington, D.C.
 51 William J. Goodwin, Beaver, Utah
 52 Bernard H. Benson, Washington, D. C.
 53 Paul William Downey, Lancaster, Pa.
 54 Thomas R. Edmonston, Clarendon, Va.
 55 Ira K. Jones, Damascus, Maryland
 56 Raymond N. Matson, Washington, D.C.
 57 Charles J. Mikuszewski, South Hadley
 Falls, Mass.
 58 Edward M. Trittle, Washington, D. C.

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IOWA CITY, IOWA

Out in the Cruel World

ALPHA

ROSSELL W. PROUTY, '12, has gone to Central America where he may be addressed c/o American Legation, Tegucigalpa, Honduras, C. A.

H. V. KRUSE, '14, Chief Mechanical Engineer for Phelps-Dodge Co. has been transferred to Douglas, Arizona.

HOWARD QUINLAN, '14, is general agent for the Colombian Petroleum Co., Cucuta, Colombia, S. America.

THERON G. GEROW, '18, is with the Truaz-Traer Coal Co. of Chicago, Illinois, as chief engineer.

BETA

F. W. VARNNEY, '08, gets his mail at Salacot Mining Co., Box 1525, Manila, P. I.

A. L. FERRIS, '11, can be addressed at Mina Berlin, Yarumal, Antioquia, Republic of Colombia, South America.

K. K. HOOD, '12, has become manager of the Peru Mining Co. at Deming, New Mexico.

C. E. CHAFFIN, '13, has gone to the Philippine Islands to become metallurgist with

the East Mindanao Mining Co. at Cebu, Island of Cebu, P. I.

ROWLAND B. KING, '16, has a job as engineer in charge of operations for the Elkhorn Metals, Inc., Boulder, Montana.

S. H. LORAIN, '17, now works with the U. S. Bureau of Mines, at Moscow, Idaho.

W. R. ATKINS, '32, formerly in Aspen, Colorado, is now with the Oliver Iron Mining Co. in Virginia, Minnesota.

GAMMA

B. B. BOATRIGHT, Hon., is on a year's leave of absence, and his address is 1001 Nixon Bldg., Corpus Christi, Texas.

RUSSELL R. BRYAN, '08, who has been assistant general superintendent of mills for Cia Real del Monte for many years, has gone to the Philippine Islands where he will join George O. Scarfe, Epsilon '22, in a consulting engineering firm in Manila. Scarfe was formerly with Real del Monte as geologist but in recent years has been geologist for Benfuet Consolidated.

JOHN H. EAST, JR., '10, is now at 3427 Vine Street, Denver, Colorado.

STANLEY WALKER, '11, consulting mining engineer, can now be addressed at Box 191, Englewood, Colorado.

A. F. DUGGLEBY, '15, receives his mail at Box 817, Manila, P. I.

FLETCHER WOOD, '15, hangs his hat at the East Mindanao Mining Co., Placer, Suriagao, P. I.

ARTHUR H. BUNTE, '22, is in charge of the Denver Highway Department testing laboratory. His home is at 545 Madison Street, Denver, Colo.

REX J. ALLAN, '22, can be addressed at 818 N. Catalina Ave., Pasadena, California.

JOHN ROBERTSON, '22, now resides at 6215 Del Valle, Cortney Circle, Los Angeles, California.

D. C. FROES, '24, is in the machinery business in Salt Lake City and can be addressed at 1059 East South Temple Street.

WARD T. GRAHAM, ex '26, mine superintendent at Baguio Gold Mines, Baguio, P. I., has been promoted to the position of general superintendent.

TED ADAMS, '29, has at last wandered home to Denver after spending four years with the Patino Mines in Bolivia. He can be addressed at P. O. Box 1343, Denver, Colorado.

P. W. SIMMONS, '29, is now in charge of the Revenue Development Corporation, Ouray, Colo.

ROBERT W. WELLS, '29, is addressed c/o Honolulu Iron Works Co., Manila, P. I.

KENNETH BOWIE, '30, earns his keep in the Production Dept. of the Shell Petroleum Corp., Houston, Texas.

CLAYTON D. KERR, '30, is engineer for the Stanolind Oil & Gas Co., and lives at 2127 East 21st Street, Tulsa, Oklahoma.

DANIEL J. LYONS, '30, is engineer for Associated Oil Co., residing at 1704 Pacific Ave., Long Beach, California.

NEIL OTTO JOHNSON, '32, has become mill superintendent of Hog Mt. Gold Mining & Milling Co., Alexander City, Ala.

A. C. SWITTSAGE, '32, is now engineer for the Delaware, Lackawanna & Western Coal Co. His mail goes to 189 High Street, Newark, N. J.

EDGAR C. RICE, '32, is now at the Baguio Gold Mining Co., Baguio, P. I.

ROBERT L. McLAREN, '32, is helping out the Arkansas Natural Gas Corporation at Shreveport, Louisiana, as a geophysicist. He lives at 229 Ockley Drive.

PAUL SHARP, '32, is with the Seismograph Service Corporation, Tulsa, Oklahoma.

M. E. VOLIN, '33, who for the past summer has been at Yampa, Colorado, is now with the United States Geological Survey, Washington, D. C.

CLYDE E. OSBORN, '33, has settled himself at Box 10, Baguio, P. I.

T. E. GIGGEY, '34, has changed over to the rock-drill sales division of the Ingersoll-Rand Co. in their New York City office.

THOMAS P. TURCHAN, '35, is in the Philippine Islands. His address is c/o J. Naftaly, 208 Crystal Arcade Bldg., Manila, P. I. He is employed in the exploration department of Elizalde & Co.

CLYDE TRUE, '35, has taken over the duties of engineer for the A. C. M. Co., Butte, Montana. He lives at 2550 Ottawa Street, Butte.

PAUL W. SMITH, '35, is now with the Crucible Steel Co., 2755 1st Avenue, South, Seattle, Washington.

JAMES COLASANTI, '35, has signed up with the Leadville Metals Milling Co., at Leadville, Colorado.

JOHN J. CHRISTMAN, '36, another geophysicist, is with The Texas Co. at Riverton, Wyoming.

GEORGE ADAMS, '36, is with the Miami Copper Co., Miami, Arizona.

GEORGE RIPLEY, '36, is employed by the American Steel and Wire Co., Cleveland, Ohio.

FRANK THAYER, '36, is doing well as mill operator with the Hog Mtn. Gold Mining & Milling Co., Alexander City, Alabama.

JACK PARDEE, '36, is with the Miami Copper Co., Miami, Arizona.

ROBERT G. COUCH, '36, has attached himself to The Texas Co.

PERRY GILL, '36, has made the Indian Territory Illuminating Oil Co., Bartlesville, Oklahoma, the shining light of his life.

C. L. SHARPE, ex '36, is attending the University of Nevada, and lives at 921 North Virginia Street, Reno, Nevada.

CARL MORRIS, '36, has landed a job with the Allis-Chalmers Mfg. Co., and lives at 1232 South 77 Street, West Allis, Wisconsin.

NORMAN L. FOSKETT, '36, is with the Tide-water Oil Co., Tulsa, Oklahoma.

JOHN W. BURNS, '36, is way off in British Columbia with the Kimberly Cons. Mining Co., at Kimberly.

CHARLES SANDS, '37, walked the bridal path on March 20, 1936, with Georgia Schrader of Bristow, Oklahoma. Golden, Colorado, is to be their home.

DELTA

GEORGE P. HANSEN, '13, is now at 1107 Clarendon Street, N. W., Canton, Ohio.

CLARENCE F. ZEUGH, '32, is junior metallurgist with the Cerro de Pasco Copper Corp., Casapalca, Peru, S. America.

EPSILON

FRANK PROBERT, Hon. '97, dean of the College of Mining, has not been around this semester due to a nervous breakdown that he suffered during the first part of the summer, and which has prevented him from leaving his bed for a number of months.

GEORGE B. DILLINGHAM, '11, can now be addressed at 3465 W. Vernon Ave., Los Angeles, California.

W. D. McMILLAN, '13, should have his mail addressed to Box 122, Porterville, California.

THOMAS L. BAILEY, '17, after 14 months in Europe, mostly at the Hague, returned to the United States last October, and was transferred from Shell Oil Company, Ven-

tura, California, to Shell Petroleum Corporation, with headquarters at St. Louis, Mo. For several months he was located in Shreveport, Louisiana, where he was making a regional geologic study of the Shreveport district.

DR. H. WILLIAMS, '20, lectured during the summer session at Harvard University, and is now in the East Indies studying volcanoes.

JOHN M. ROGERS, '21, lives in Mojave, California. Mail is sent to P. O. Box 2052. John is now directing the operations of a gold mine.

GEORGE D. SCARFE, '22, is now in a consulting engineering firm in Manila. Scarfe was

- formerly with Real del Monte as geologist, but in recent years has been geologist for Benfuet Consolidated.
- W. G. DONALDSON, '24, has left Benguet Cons. and is now with Consolidated Mines, Inc., 181 Calle David, Manila, P. I. His mail goes to Box 817.
- JAMES B. CHAMBERLAIN, '24, has left Fairbanks, Alaska, and is now with the Cia. Aramayo de Mines de Bolivia, La Paz, Bolivia, S. America.
- ROLLA W. WALLING, '24, has the job as petroleum engineer for the State Division of Oil and Gas, Bakersfield, California.
- LAWRENCE J. TABOR, '26, is geologist for the Richmond Petroleum Co. of Colombia, Apartado Nacional No. 3, Ibague, Colombia, S. America.
- GEORGE F. SEAGER, '30, who received his Ph.D. in geology at Yale in 1936, is now on the geological faculty of the Montana School of Mines in Butte, Montana.
- JOHN D. BRADLEY, '31, has taken over the charge of the Spanish Mine, Washington, California.
- GORDON I. GOULD, '31, has taken over the duties of mine superintendent of the New Idria Quicksilver Mining Co., Idria, Calif.
- C. E. VAN GUNDY, '31, was married this summer and is now working for the Shell Oil Company.
- ED HASSEN, '34, is associated with the Cornucopia Gold Mine in Oregon.
- CLAUDE J. ARTEROA, '34, has his residence at Casilla 674, La Paz, Bolivia, S. America, c/o Roy Starbird.
- VERNON ISAACS, '35, has become a Junior Engineer for the Standard Oil Co. and is located in San Francisco.
- GEORGE WESTON BOURETT, '35, works at the I. X. L. Mining Co., Balet, Masbate, P. I.
- RICHARD HOLMAN, '35, let little Dan Cupid catch him. His marriage took place this past summer.
- GEORGE O. SCARFE, JR., '35, is in the Philippine Islands, 181 Calle David, Box 1147, Manila.
- CHARLES LINDSEY, '35, as predicted, has recently taken the fatal step and has found himself a helpmate. He is working for the Charles Merrill Co. in San Francisco.
- ALTON E. McLAUGHLIN, '36, landed a job on the staff of the I. X. L. Mining Co., Balet, Masbate, Philippine Islands.
- NORMAN ANDREIG, '36, is employed by the Fairbanks Exploration Company of Fairbanks, Alaska.
- BILL SUYDAM, '36, is employed by the Clauding McBean Co., New York.
- N. S. McHENNA, '36, is with McLaughlin working for the Antimock Gold Fields in the Philippine Islands.
- BOB FOWLER, '36, was another of those to walk down the path. He is still in college.

ZETA

- CHARLES CLUTZ, '32, is now working for the Eastman Kodak Company in Rochester, N. Y. His address is 52 Parkdale Terrace.
- ARTHUR BANKS, '33, is employed by the Kansas Electric Power Co., at Lawrence and is at home with his recent bride at 1637 New Hampshire.
- GENE MANNING, '33, is leaving the United States to become an air-conditioning engineer in the far-off Hawaiian Islands. Before leaving the U. S., Gene is to be married. The bride is Miss Olivella Fielder of Lawrence, Kansas.
- HOWARD OLIPHANT, '34, is still working with the Specialty Appliance Co., but he has been transferred to the west coast. His present address is Specialty Appliance Sales Division, General Electric Co., 339 Bryant St., San Francisco, Calif.
- PAUL BOREL, '34, and ROBERT WILLIAMS, '35, are absorbing some higher education at Harvard University.
- MAURICE BRAZELIUS, '34, is putting in his time for the Columbia Steel Tank Corp. in Kansas City, Mo. His address is 1140 Richmond, Kansas City, Kansas.
- KEITH WILEY, '35, is taking graduate work at the University of Iowa. He is living at the Theta Tau house there.
- LYDD CHRISTIANSON, '35, is working for the U. S. Bureau of Mines at Bartlesville, Okla. He is living at 1103 S. Choctaw.

ETA

- DAVE FISKE, '20, who is secretary of the American Society of Refrigerating Engineers, was the delegate of that society at the International Congress held at The Hague this past summer.
- EDWARD JAGGER, '25, has been elected chairman of the southeastern section of the American Waterworks Assn. He is chief engineer of the Alabama Water Service Co., Birmingham, Alabama.

TOM WOOD, '28, has become assistant manager of the Corning Glass Works Co., at Wellsboro, Pa.

FRID RILEY, '28, is with the Lawrence Gas & Electric Co., Lawrence, Mass.

JACK BENNETT, '30, now works at the Good-year factory, Los Angeles, California.

ED HAWKINS, '30, has settled down with the Virginia Electric & Power Co., Petersburg, Va.

THETA

R. H. ORMSBEE, '15, is field engineer for Phelps-Dodge Co., and now makes his headquarters in Tyronne, New Mexico.

HARLAN A. WALKER, '19, has been promoted to assistant general manager of El Potosi Mining Co., subsidiary of the Howe Sound Co., in Chihuahua, Mexico.

GLENN D. HAWKINS, '23, petroleum engineer, is located at 423 S. Allegheny, Tulsa, Oklahoma.

K. FRITZ EILERS, '24, is making his headquarters in Salmon City, Idaho.

IOTA

JOSEPH M. WILSON, '21, petroleum geologist, has changed his address to 2410 Wichita, Houston, Texas.

W. S. FRAMS, '23, is at home in Bagnell, Missouri.

PROF. and MRS. ROBERT AHLQUIST, '24, and family, of University of Pittsburgh, Pa., spent several days in Rolla during Commencement Week.

W. A. McCANLESS, '27, who resides at 5 27th Street, Merced, Calif., is assistant to the president, Yosemite Portland Cement Company at Merced.

ROBERT F. McCAW, '27, has returned to Rolla and gone into business as the McCaw's Westinghouse Supply Company.

E. A. GODAT, JR., '29, has left Oroya, Peru, and is now at Sullivan, Mo.

BOOKER RUCKER, '30, is Junior Agricultural Engineer at a CCC Camp, at Liberty, Missouri.

C. K. HARRINGTON, '31, who has been with the Compania Choco Pacifico at Andagoya, Columbia, S. America, has returned to the States for a vacation.

ALLEN J. REID, '32, is taking preliminary training for sales work at the Olive Hill, Kentucky plant of the General Refractories Co.

AUGUST P. KOOPMAN, '35, GEORGE NOLDE, '35, and RUDY KNOLL, '35, are with the Lehmann Machine Company in St. Louis.

Returning for Homecoming this year were the following H & T men of former years: M. P. BRAZIL, '20; T. McCOREY, '28; A. J. WILLIAMS, '32; S. M. RATHBONE, '25; G. A. HALE, '34; R. L. BRAUTIGAM, '33; O. W. KAMPER, '35; J. J. MURPHY, '35; F. C. SCHNEEBERGER, '25; S. H. LLOYD, '18; R. Z. WILLIAMS, '31.

LAMBDA

WARREN R. SHOLES, '17, is now mining engineer with the General Land Office, 323 P. O. Bldg., Denver, Colorado.

GLENN D. ROBERTSON, '19, has returned from The Netherlands and is now in the production department of the Shell Petroleum Corp., in St. Louis, Mo.

ROBERT D. BRADFORD, '24, took up the job of Assistant Manager of the S. W. Department of the American Smelting & Refining Co., El Paso, Texas. He receives his mail at 925 Robinson Blvd.

VERNON E. CHRISTENSEN, '24, is first Assistant Test Engineer for International Smelting at Tooele, Utah.

A. LEE CHRISTENSEN, '25, is now a member of the geological faculty, Utah State College, Box 31, Logan, Utah.

E. I. ALTER, '30, now resides at 148 Elmwood Road, Verona, N. J.

CLIFFORD N. STUTZ, '32, has, since graduat-

ing from the University of Illinois, been designing water and sewage treatment plants that were financed by P. W. A. He took unto himself a bride in 1934, and now is very busy rushing a future Theta Tau pledge, whose present age is seven months.

ROBERT H. KIRKMAN, '33, has moved. Formerly at Long Beach, California, he now lives at Garden Grove, California. Route 1, Box 29.

CLIFFORD J. OKESON, '33, is a junior geologist with one of the mining companies near Salt Lake City. He lives at 2437 E. 48 South, Holladay, Utah.

GEORGE W. CARTER, '33, hangs his hat at 2071 Grape Street, Denver, Colorado.

HAROLD F. GREENE, '35, has changed his address from 406 West Avenue, to 81 Wade Street, Bridgeport, Conn.

PAUL A. WOODRUFF's mail goes to Caixa Postal 862, Sao Paulo, Brazil.

NU

- D. A. LYON, Hon. Nu, can be addressed at 530 Harvard St., Station A, Palo Alto, California.
- ALFRED A. NICKEL, '33, Industrial Engineer, Owens Illinois Glass Co., Toledo, Ohio.
- RALPH DAVID MOYER, '34, is with the Pennsylvania Department of Highways, Road Construction. Mail goes to Box 8, Dunbar, Pa.
- ROBERT W. CARLSEN, '35, is a consulting engineer with the American Steel & Wire Co., Gary, Indiana.
- ALBERT E. RALSTON, '35, gets his mail at 98 Meriden Ave., Southington, Conn. His job is with the Beaton & Corbin Mfg. Co., as welding engineer.
- WILLIAM H. STAFFORD, '35, has pulled up stakes at East Falls, Philadelphia, and has settled down at 1563 Lee St., Charleston, W. Virginia. Bill is now connected with the E. I. DuPont de Nemours & Co.
- JOHN E. BORN, '35, is foundry engineer with the Harnischfeger Corp., Milwaukee, Wisconsin. Mail is addressed to 3117 W. Highland Blvd., Milwaukee.
- ROBERT C. McMASTER, '36, is with the General Electric Co., Schenectady, N. Y. His address is 21 Governors Lane, Schenectady.
- ALBERT R. DERVAES, '36, Dupont de Nemours Co., Wilmington, Del. His address is Hotel Paul, Woodbury, N. J.
- CHALMERS LATHAM, '36, works for the Leeds-Northrup Co., Philadelphia, Penn. He gets his mail at 5419 Germantown Ave., Philadelphia, Pa.
- PAUL D. DITZLER, '36, is with the Leeds-Northrup Co., Philadelphia, Pa. Address: 5419 Germantown Ave., Philadelphia, Pa.
- LAWRENCE W. INGOLD, '36, brings home the bacon by working for the Harnischfeger Corp., Milwaukee.
- RICHARD LIGHTCAP, '36, Engineer, Advance Insulating Co., Pittsburgh, Pa.
- GRAHAM E. SIMPSON, '36, landed a job as research engineer with the Linde Air Products Corp., Buffalo, N. Y.
- HAROLD J. MITCHENER, '36, is working in the U. S. Navy Aircraft Factory at Philadelphia, Penn.
- SAMUEL B. WESTERMAN, '36, is in the Metals Research Lab., Carnegie Tech.
- ROBERT C. KRAFT, '36, is thirsting for more knowledge. He is doing graduate work at Brown University.
- LAWRENCE K. JETTER, '36, is ambitious. School holds no terrors for him. He is now doing graduate work at Carnegie Tech. His home address is 816 Sherman St., Williamsport, Pa.
- EVANS W. CHEESMAN, '36, is living at the Y. M. C. A., 2200 Prospect Ave., Cleveland, Ohio. His job is with the Perfection Stove Co.
- MELVIN MORRISON, '36, earns his salt as a chemist at the Freedom Oil Corp., Freedom, Pa. His home address is 299 Adams St., Rochester, Pa.
- WALTER F. APPLEGATE, '36, is working in the Mechanical Department at Carnegie Tech under Prof. Trink.

OMICRON

- H. E. (Hap) HOWE, '26, moved to Knoxville, Tennessee, last June where he is designing dams for T. V. A.
- M. J. (Rabbi) REID, '28, has moved to 64 Suburba Ave., Rochester, N. Y. He is still with Eastman Kodak in a big way.
- LUVERNE KEHE, '31, is going to Binghamton, N. Y., with the U. S. Engineering Corps after a year as an aviator.

PI

- JEAN M. ROBERTS, '26, has changed his address. He is now at 2427 Sherry Road, Louisville, Kentucky.
- HOWARD EDWARDS, '35, now holds a position with the Gleason Gear Company in New York.

RHO

- MAX D. THOMASON, '33, now lives at 303 North Ridge Ave., Kannapolis, N. Carolina.

SIGMA

- CURT LE MAY, '29, has returned to the U. S. after being in the Hawaiian Islands. He is stationed at Langley Field, Virginia. Welcome home.
- JACK DUMBAULD, '29, is now working for the State Highway Dept.
- HOWARD W. ALLISON, '30, walked down the bridal path with Mary Virginia Bradburg, August 22, 1936, at Cincinnati, Ohio.
- CARL A. BRYSON, '31, is a proud papa. Herr stork visited the Bryson family June 5th. Mama, papa, and brand new daughter live in Charleston, West Virginia.
- G. F. GLASS, '31, is now stationed with the 560th Company, C. C. C. at Pocatello, Idaho.
- C. E. GAGNIER, '33, is working with the Rotary Electric Steel Co., Detroit, Michigan.
- MYRON JENSEN, '34, is working for the T. V. A.
- WAYNE C. FISCHER, '34, is working with the soil conservation service and is living at Zanesville, Ohio.
- JOSEPH BOWER, '34, is passing out cigars. September 29 saw him a proud papa. Brother and Mrs. Bower are located at Xenia, Ohio.
- CHARLES GRIFFITH, '35, has been located in Detroit since graduation.
- FRANKLIN P. MARQUIS, '35, was shot down by Cupid July 10, 1936, at Columbus, Ohio. The lucky lady was Virginia Farber.
- ARDEN HACHER, '35, is employed by the Goodyear Tire and Rubber Co. at Akron, Ohio.
- HOWARD CRUSEY, '36, is to be found with the Publicity Department of the General Electric Company.
- WILLIAM A. SCHAICH, '36, is also doing well with the General Electric Company.
- JAMES VISINTINE, '36, is located at Chicago, Illinois, and is working for his father in the contracting business.
- WILLIAM ELLIS, '36, is assistant county engineer of Brown County, Ohio.
- CHARLES B. SMITH, '36, and L. P. LAMBRON are with the Mt. Vernon Bridge Company, Mt. Vernon, Ohio.
- JOSEPH F. CRAIG, '36, earns his bread working for the Westinghouse Company.
- JOSEPH SULLIVAN, '36, has been employed by the Corning Glass Company since graduation last spring.
- JOHN BOYLAN, '36, is now located with the T. V. A. at Knoxville, Tenn.

TAU

- HARRY C. WOLFE, '33, lives at East Syracuse, R. D. 3. New York.
- PARRY W. OWENS, '35, hangs his hat and coat at 933 16th Ave. South, St. Petersburg, Florida.

UPSILON

- T. E. PRESLEY, '31, has been recently married, and is with the Soil Conservation Corps at Washington, Mo.

PHI

- H. L. SOLBERG, '21, 534 Hayes St., West Lafayette, Indiana, is Professor of Mechanical Engineering at Purdue University.
- R. P. WAHL, '22, 137 Springfield Road, Elizabeth, New Jersey, is the Assistant Engineer in the Executive Department of the New York Telephone Co. Married? Yes.
- R. J. RINEHART, '22, 1802 Linden St., Pine Bluff, Arkansas, is the Superintendent of the Arkansas Power and Light Co. Yes, he's married.
- EARL HART, '22, 472 Shenstone Road, Riverside, Illinois, is supervisor-inspector, Western Electric Company, Chicago. He has three children, a daughter 10 months old, and two boys 9 and 4 years old.
- H. O. MATHEWS, '23, 1531 Harrison St., Chicago, Illinois, is superintendent of the Motor Equipment for the Illinois Bell Telephone Co. Married? Certainly.
- BYRON R. JACKSON, '23, 1910 South 5th Avenue, Maywood, Illinois; Assistant Super-

- intendent for the American Can Company. Married? Of course.
- NEIL D. CAREY, '23, 2729 Albrecht Ave., Box 101, Ellet, Ohio, is laboratory operator for the Goodyear Tire and Rubber Company. Neil is a Deacon in the E. Market Street Evangelical and Reformed Church of Akron, Ohio.
- W. E. GRAY, '23, 479 Maple St., West Lafayette, Indiana, is in charge of American Association of Railways testing laboratory at Purdue University. Happily married.
- J. L. RAYNOR, '24, 5152 N. Diversey Boulevard, Milwaukee, Wisconsin, is with the Dietz Electric Company, Industrial Contractors. Married.
- CLARENCE H. OSHA, '24, 5140 N. Diversey Boulevard, Milwaukee, Wisconsin, is Power Sales Engineer for the Milwaukee Electric Railway and Light Co. Two sons, 5 years old and 1 year old. Attaboy Osha!
- FRANK W. SCOTT, '25, 246 W. Warren St., Calumet City, Illinois, is Analytical and Research Chemist for Inland Steel Company of East Chicago, Ind. Married Donna Howard, Ex. '28. The Scotts have two sons, John Howard, 7, and Frank W. Jr., 4.
- NORMAN F. HINDLE, '25, 28 Waltham St., Calumet City, Illinois, is assistant to the Technical Secretary, American Foundrymen's Association, Chicago, Illinois. He has a daughter.
- HARRY E. GOTTBURG, '25, 11213 South Park Avenue, Chicago, Illinois, is engineer for the International Harvester Co. The marital noose is still around his neck.
- A. R. COWELL, '25, 2339 Lillie St., Fort Wayne, Indiana. Playing in dance band at Terry Tavern Night Club. Nope, not married.
- R. F. DAVIS, '25, 115 Gardena St., Michigan City. Chief Engineer, Michigan City Generating Station of the Northern Indiana Public Service Co. Davis has a Boilermaker 3 years old and a Coed 5 years old.
- P. S. STEPHENSON, '26, Chesapeake & Potomac Telephone Co., No. 5 Morrison Bldg., West Virginia.
- G. L. JACKSON, '26, 6940 Oglesby Ave., Chicago, Illinois, is now Assistant Civil Engineer for the Sanitary District of Chicago. Daughter Jane is now 4½ years old. Jackson has been spending his leisure moments bowling. He bowls in two leagues and has an average of 177. Nice going.
- J. P. CHARLES, '26, of the Pontiac Motor Company, Pontiac, Michigan, is Head of Dynamometer Laboratory, Engineering Department. Yep, he's married.
- F. E. MILLS, '26, 511 West Main St., Richmond, Indiana is Chief Engineer, Fallon and Mills, Architects and Engineers. Not married yet.
- W. S. DAVIS, '27, 567 Mitchell Ave., Elmhurst, Illinois, is Power Salesman for Public Service Company of Northern Illinois. Married? Uh huh!
- H. O. MELOY, '27, East Fultonham, Ohio, has the job as Efficiency Engineer for the Columbia Cement Division of the Pittsburgh Plate Glass Company at Zanesville, Ohio. Family consists of a daughter 4 years old.
- WARREN A. NILES, '27, 511 West Main St., Richmond, Indiana, is employed as a Junior Engineer, Road Department, State Highway Commission. Warren is married and is priming a prospective coed for Purdue.
- W. E. ROBBINS, '27, 3415 Oakwood Ave., Alton, Illinois, is now Assistant Chief Chemist for the Shell Petroleum Corporation, Wood River, Illinois. Son—Bobby; got a new 8 lb. sister, Jo Annette, March 23, 1935. Mother and baby doing fine.
- S. L. SMITH, '28, is located at Versailles, Indiana. Job—auto dealer. Married? I should say so!
- JAMES POTTER, '28, 2720 Yale Station, New Haven, Connecticut. James is a graduate student in physics at Yale University now, and is hoping to finish his work for his Ph.D. this year. Says he sees Bob Carson occasionally.
- ROBERT W. CARSON, '28, 17 Fourth St., North Arlington, New Jersey, is assistant editor, Produce Engineering, McGraw-Hill Publishing Co. Bob says he is still married.
- J. F. MENAUGH, '28, Osceola, Indiana. J. F. is married and in the coal and feed business.
- J. A. KROVSKY, '28, 3901 S. Meridian St., Indianapolis, Indiana. Now married and has a position as project engineer with the Indiana State Highway Commission.
- E. E. KEISER, '29, is in Co. 572 C. C. C., Fort Bragg, California. Another First Lt., and has been on the job since May 21, 1933.
- JAMES P. BOYD, '29, R. F. D. 2, Austin, Indiana, is employed as a master mechanic with the American Can Company. He is married.
- JOSEPH E. WALSMITH, '29, 318 S. Main St., Montpelier, Indiana. Joe is in the construction department of the Indiana Bell Telephone Company, with headquarters in Indianapolis.
- J. GUS ROPP, '29, Hartford City, Indiana, is Wire Chief with the Indiana Bell Telephone Company there.
- H. R. GARMAN, '29, Pomeroy, Ohio, is a commanding officer in Company 1533 of the C. C. C. at Camp PE-72, with rank of First Lt. F. A. U. S. A.
- JOHN M. SCOTT, '29, 14 East 23rd St., Indianapolis, Indiana. Salesman for the Lilly Varnish Company, traveling out of Grand Rapids, Mich., with a business address of 505 West Fulton St., Grand Rapids.
- M. H. KAPPS, '29, 6734 Globe, Detroit,

- Michigan, works in the carburetion dept. of the Chevrolet Motor Company. He says all mail to him should be addressed to 303 N. 3rd St., Vincennes, Indiana.
- J. H. CHESAIREK, '29, reports that his address is now 500 Grafton Ave., Dayton, Ohio, instead of 729 Grand, as previously.
- P. W. BARTHOLOMEW, '30, 318 W. Dutton St., Kalamazoo, Michigan, works in research and development at Paper Makers Chemical Corporation. "Married—I should say not!"
- JOSEPH K. HANEY, '30, 6427 Woodward Avenue, Hammond, Indiana, was married May 11, 1934. Joe is Chief Chemist with the Superheater Company in East Chicago.
- WM. R. BENNER, '30, 4110 Field Building, 135 S. LaSalle St., Chicago, Illinois, is an accountant with the Makes O. McKinney Company. Married at 9:00 a.m. on March 30, 1935.
- A. E. FILLINGER, '30, 21 Pearl St., Lancaster, Pennsylvania, is engineer at the Hamilton Watch Company. Is married.
- T. C. HANSON, '30, 16642 Wark Avenue, Detroit, Michigan, is instructor in Civil Engineering at the University of Detroit. T. C. is married to the former Anna Katherine Fridlin, ex '32. Anna Claire, 4 years old, is due to come to Purdue in 1949.
- LEIGG S. PLUMMER, '30, 528 Murphy Building, Detroit, Michigan, is a reporter for the Detroit Office of the Wall Street Journal. Married.
- CLARENCE P. MCNEFF, '30, 3906 E. 10th Street, Indianapolis, Indiana, was married in 1930. He is now Supervisor in the Inspection department at P. R. Mallory, Inc.
- R. K. PENCE, '30, Laketon, Indiana. Nothing more to say, Pence???
- D. B. MACLAREN, '30, 905 South Grove Avenue, Oak Park, Illinois, is testing engineer for the Peoples Gas, Light, and Coke Company, Chicago, Illinois. Married.
- KENNETH W. DIX, '31, 1204 South Evans Avenue, Evansville, Indiana, is the wholesale clerk for the Standard Oil Company at Evansville. Married? Oh, yes!
- C. F. TERRELL, '31, c/o Pure Oil Co., 35 E. Wacker Drive, Chicago, is in the department of material and supplies for producing divisions. He is married but is wondering if "Honk" Arduser has finally settled down to a quiet life of home brew and twins? Have you, Honk???
- E. R. HALLOWELL, '31, Apt. B-4 Wayne Bldg., Waynesboro, Pennsylvania, is a student engineer with the Frick Company. Married? But definitely.
- WINFIELD S. HEATH, '31, 3302 South Kenilworth Avenue, Berwyn, Illinois, is an electrician for the Santa Fe.
- H. W. ARDUSER, '31, c/o Pure Oil Co., Tulsa, Oklahoma, is married and wondering what has become of the "Link".
- G. M. WILSON, '31, 424 E. Marshall St., Marion, Indiana, is an Inspector in the meter department of the Indiana General Service Co. Has a baby girl, Wanda Jean, age 8 months.
- C. F. MOSS, '31, 2000 Charles Ave., Vincennes, Indiana, is a Junior Engineer in the testing department of the State Highway Commission.
- DONALD B. WINSLOW, '31, 820 Elm St., Western Springs, Illinois, is a supervisor for the Illinois Bell Telephone Company. Married? Yes. Don says, "I'm kept busy keeping track of Heath and Antle—and don't do a very good job of that either."
- BROUSE D. RINEHART, '31, 241 Southwest 2nd, Richmond, Indiana, is a married man earning his bread and butter in the radio and refrigeration business.
- WILFORD J. ROBINSON, '31, 431 13th St., N. W., Washington, D. C., is employed in the engineering department of the Potomac Electric Power Co., Buzzard Point Plant. Is he married? He says, "Yes, very much so."
- L. E. FAWCETT, '31, 304 E. Blackburn, Paris, Illinois, is a Junior Engineer in the Construction Department of the State Highway Commission in Illinois.
- GORDON R. GUINNUP, '32, 2620 South Washington St., Marion, Indiana, is in the Specification Department of the Anaconda Wire and Cable Co. Not married, yet!!!
- L. H. FREW, '32, 730 N. Section St., Sullivan, Indiana, is sales manager for Frew Bros. Candy and Tobacco Company. He is married and last year won the Sullivan County Golf Championship.
- JACK P. DESHINSKY, '32, P. O. Box 187, Glen Ferris, West Virginia, is meterman in the steam plant of the Electro-Metallurgical Co., at Alloy, West Virginia. Jack is enrolled in the institution of matrimony for a life course, he says.
- H. E. ANTLE, '32, 3302 Kenilworth Avenue, Berwyn, Illinois, is living with W. S. Heath and is employed by the A. A. Electric Company as Construction Engineer.
- HOWARD P. BOWER, '32, 1408 Lynn Avenue, Fort Wayne, Indiana, is a production clerk for the General Electric Company. Married? NOPE!!!
- LLOYD L. CONNELL, '32, 1320 Bradbury Avenue, Indianapolis, Indiana, spends his time in the Receiving Department of the U. S. Rubber Products, Inc. Married.
- DONALD R. WARD, '32, 1041 Cory St., Fostoria, Ohio, has same job, same firm as Myers. Say, Don, DeShinsky says your address is 95 Euclid Avenue, East, Detroit, Michigan; now who is right?
- C. P. KEMP, '32, 2820 West 66th St., Chicago, Illinois, is Chemist in charge of Production

for Connelly Iron Sponge and Gov. Co. He was married in 1929.

HAROLD W. CLOUD, '32, 263 N. Tacoma Avenue, Indianapolis, Indiana, is employed as an Assistant Engineer at Link-Belt Company. Married? NO!!!!

R. M. (ICKY) ADKINS, '32, Worthington, Indiana, is a Teacher of Mathematics and Physical Education in Worthington High School. He was married in May.

HOWARD BARTH (ex '32), Versailles, Indiana, is working in the Seymour District as Inspector for the Indiana State Highway Commission. Still single. How sad!

R. H. MYERS, '32, 13220 Woodward Avenue, Detroit, Michigan, is a student engineer with the Chevrolet Motor Car Company. Soon to be married.

JERRY F. HRUBY, '33, 1725 Wilson Avenue (Wilson Ave. Y. M. C. A.), Chicago, Illinois, is in the Engineering Department of the Drying System, Inc. Jerry says, "Brothers, when in Chicago, stop in to see me. I live three blocks south of the French Casino!"

ROY HORSTMANN, '33, 318 South 22nd Avenue, Bellwood, Illinois, is a Radio Engineer for the Jefferson Electric Company. Remember the headlines in all the papers when Roy got himself hitched?

D. E. WINEMILLER, '33, 21 19th St., N. W., Barberton, Ohio, is assistant to the Power Engineer for the Pittsburgh Plate Glass Company. He is still single. Tut! tut!

E. SANDKETTO, '33, now lives at Room 270, Mayflower Hotel, 6125 Kenwood Ave., Chicago, Illinois.

MARSHALL R. CHANDLER, '33, 26 Warren St., Hammond, Indiana, is teaching at Clark High School, Hammond. He says he is not married yet, but should anybody take Marshall's word for that??? Marshall has been dropping in at the house quite often recently. He is to receive a Master degree from here in June.

GLEN M. JAMES, '33, 1309 W. 8th St., Anderson, Indiana, is working in Process Engineering for Delco-Remy Corporation. Married? Not quite. Say Glen, did you know the Purdue Glee Club was in your town recently?

GEORGE E. CHAPMAN (ex '34), 6258 Newark Avenue, Chicago, Illinois, is still hoping to locate a position in South America and at present spends his time thanking the Lord that he is not married.

K. W. SWAIM, '34, 302 Jefferson St., Montpelier, Indiana, is the demon Star Reporter for the Montpelier Herald News Tribune Gazette. His reporting takes so much of his time that he has not had an opportunity to get married yet. Just give him time!

PAUL M. SCHERER, (ex '34), 423 Lewis St., Hammond, Indiana, is a life insurance underwriter for the Equitable Life Insurance Co. of Iowa. He is not married, but still happy.

KENNETH L. TIMMONS (ex '35), 1701 Central Avenue, Anderson, Indiana, is working for the Delco-Remy Corporation. He sends a lusty cheer skyward for the Anderson Indians.

LAWRENCE R. SEDLAR (ex '35), is located at Laurium, Michigan. Why, Lawrence, no more information?

THOMAS MAYHEW (ex '35), 255 Wildwood Road, Hammond, Indiana, is working for the Youngstown Sheet and Tube Company in the Coke Plant of the By-Product and Benzol Division at Indiana Harbor, Indiana.

SIDNEY M. MATTHEW, (ex '35) 8032 South Short Drive, Chicago, Illinois, is an electrician with the Illinois Steel Company. Not married yet.

HARRY C. SCOTT (ex '36) is now at the University of Alabama, Tuscaloosa, Alabama. His home address is 1615 Ohio Avenue, Whiting, Indiana.

CHI

DAVID C. MINTON, JR., '30, is manager of the Arkansas Mining Corporation, Box 395, Hot Springs, Arkansas.

WILLIAM TURNER, ex '37, is a cadet at the Naval Air station, Pensacola, Florida.

PSI

"PID" WILSON, '31, as reports state, has recovered from his recent mine accident. He still holds a position with the Cerro de Pasco Copper Corp.

JOHN MUNZENRIDER, '32, completed his work for the Porters Brothers Dredging Corp.

and has a sampling position for the Anaconda Copper Mining Company.

DICK MATTHEWS, '32, recently relinquished his position at Fort Peck Dam and is now sampling in Butte.

RALPH B. UTT, ex '32, is with the Denver

Equipment Co. in Denver, Colo., but expects to open an office for his firm in San Francisco this winter. He left Montana School of Mines in 1932 and obtained his degree at the University of Idaho.

ROBERT WOODY, '33, gave us all a surprise by being wed to Miss Anderson. He spent his honeymoon in Missouri. Bob will resume his job at the Marietta as mill foreman, on coming home.

JEFF PERETTI, '34, came home from Germany with a doctor's degree and accepted Prof. MacEwan's former position at our school. Prof. MacEwan received a promotion to professor of Metallurgy at McGill University in Ontario.

WALTER HAMILTON, '34, received a well deserved advancement to superintendent of the Marietta Mining and Milling Co.

J. U. MACEWAN, '34, has joined the faculty

of McGill University, Montreal, Que., Canada.

RALPH SEIDEMAN, '35, has a position at the Sunshine Mining Co., near Wallace, Idaho.

JAY KING, '35, is home again after graduation from the New Mexico School of Mines. His capacity as sampler at the Anselmo has given him the title of "Discoverer of Rich Strikes."

ROBERT DIETRICH, '35, has a fine position with the Engineering Dep't. of the Anaconda Copper Mining Co.

DAVE JONES, '35, finally wandered back to the Mining City and is now sampling at the Leonard.

JOHN COOK, '36, liked Butte so well that he secured a position as sampler.

FRANK TRASK, JR., '36, is a graduate assistant in geology at Ohio State University where he is studying for a master's degree.

OMEGA

BERNARD BUUS, '35, is now a student electrical engineer with General Electric Company. His address is Apartment 533, North Ferry Street, Schenectady, N. Y.

JOHN TEED and BILL CAREY, '36, are employed by the American Metal Co., at Ferarro, N. Mexico.

DON GILLMOR, '36, is a junior metallurgist with the Carnegie Illinois Steel Company. Address his mail to 7050 Merrill Ave., Chicago, Illinois.

KEITH McELWAIN, '36, is a junior metallurgist with the Inland Steel Corporation. His address is 7836 Jeffery Ave., Chicago, Illinois.

GAMMA BETA

A future Theta Tau arrived on July 15th, in the person of Robert Elsworth Hand, son of Mr. and Mrs. Elsworth Joseph Hand. So far as we are able to ascertain, Robert is Gamma Beta's first "grandchild". As some of the alumni know, Joe is one of Gamma Beta's well known alumni who keeps the lights burning and the wheels of progress turning by working in the operating department of the Potomac Electric Power Company.

JULES L. PHILLIPS, '36, is now located with a Dry Dock Co. in Jersey City, N. J., and is receiving mail at 85 Van Reyken St., Jersey City.

C. A. MOTZ, '36, received a degree in elec-

trical engineering and is now located at the General Electric Test School in Pittsfield, Mass.

JACK C. DAVIS, '36, received his degree and is also employed by Uncle Sam. He is located at 1121 New York Avenue, Washington, D. C.

LEE I. HUNTZBERGER, '36, 1514 17th St., N. W., Washington, D. C., is now drafting with the War Department.

PAUL L. MOATS, '36, is now connected with the Carnegie Institute of Washington, in the department of terrestrial magnetism. Paul took upon himself a ball and chain July 17. The happy couple keeps house at 2700 Q St., N. W., Washington, D. C.

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