

THE GEAR

OF THETA TAU



Omega Chapter House

Volume **XXVIII**

Number **1**

FALL, 1938



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THETA TAU



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VOLUME XXVIII

NUMBER 1

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

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W. MURRAY LEWIS

ISAAC B. HANKS
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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) 1140 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) 107 Kansas City 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.

HELP!

The drive for correct addresses for all Theta Taus is reaching its final stage.

Probably every reader knows some Brother whose address we do not have. If you will jot down and send to the **GEAR** any addresses you know to be correct for Theta Taus of your acquaintance you will be doing your bit to make the new directory complete. A partial list of "lost" members appears on pages 64-67.

And if you are one of those who have received one or more circulars which you have neglected to answer will you make it a particular point to send in your own address.

Let's all pull together for a complete directory!

Address

**GEAR OF THETA TAU
211 Engineering Bldg.
Iowa City, Iowa**

Eastern Regional Conference Held at Pi Chapter

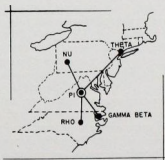
Founders' Day this year brought together five of the Eastern chapters of Theta Tau in conference at the University of Virginia in Charlottesville. The meeting was termed and took the form of an Eastern Regional Conference with delegates and representatives from Theta, Nu, Gamma Beta, Rho and Pi. As host, Pi provided the diversified entertainment and program, climaxed in one very successful and profitable business meeting.

A formal initiation ceremony for seventeen pledges of Pi started the week-end's activities off with a bang despite the fact that only three visiting delegates had arrived in Charlottesville at that time. But, no sooner had the initiation been completed than Gamma Beta, apparently enmasse, descended from the Pearly City upon Pi's "Country Place." After much "arranging" brothers from Washington were situated and proceeded to find out "If It's True What They Say About Virginia." (For answers to the query, we refer you to Brother Mikuszewski of Gamma Beta).

Not long after this flurry, there crept in the credulous Carnegie Confiscators, otherwise known as the Nu delegation. They, reputedly, had lost their way and marshaled one of Virginia's scarce co-eds to assist in locating Pi Chapter House. She, the scarce co-ed, of course had no trouble in directing them for already the place had an aura of "big time" about it. Following on the footsteps of Nu came "Theta's Traveling Three", ten hours out of New York and rather

weary. The rooming situation was clarified and thus ended the Friday evening program. Meeting was adjourned with several three-hour sessions which left Saturday not too far away.

Saturday dawned bright, and brought Rho's delegation from North Carolina to add to the swelling aggregation. The brothers and newly initiated from Pi conducted a "Cook's Tour" of the Nation's Most Beautiful



Campus for the visiting delegations after which luncheon was served for all desiring solid food. The meeting was called for 2:30 P.M. at Pi Chapter House and by some strange circumstance it actually convened at 2:30 sharp.

The meeting was opened by a word of greeting from Regent Dinwiddie of Pi and then turned over to Grand Vice-Regent Glass for direction of discussion. Brother Glass outlined the purpose of Regional Conferences and expressed the desire to see more such meetings instituted among Theta Tau Chapters. The meeting was then split

into two sectional discussion groups—one for Regents and Vice-Regents, and one for Scribes and Treasurers. Outlines had been prepared to guide the discussion of these groups and plans of procedure were followed to gain as much from the two hours allotted as possible. Minutes were taken in each group of the ideas and plans under consideration to be read at the re-convening of the main meeting. Finally at 5 P.M. the whole conference met for a conclusive discussion of developments and led by Brothers Glass and Ames the session proved quite valuable. Brother Ames gave several highlights on recent expansion enterprises of the Executive Council and Brother Glass asked for suggestions from the chapters concerning the activities of the National Officers. Financial problems and their solutions were discussed at some length as well as the problem of Chapter advisors' duties. The theme of the entire conference discussion seemed to center about a more unified program of development among the chapters and the alumni of Theta Tau. The discussion of alumni interest and organization of alumni organizations wound up the meeting and the members were adjourned with a word of future plans from Regent Dinwiddie.

At 6:05 P.M. the group went to the Farmington Country Club, just outside Charlottesville where a banquet was to be held for all conferees. About two hours later the food portion of the banquet was tackled and much hilarity accompanied the process of eating. Members of the University of Virginia Engineering faculty and officers seated at the head table were subject to bombardment by song and olive seed. During a lull in activity the Gamma Betas managed to render

a Theta Tau song which was naturally received with much fervor and demonstration. Brother Ames took the floor during another periodic lull and commented on the success and future of the regional gathering and expressed the desire to have more chapter gatherings of the type held in Virginia. Midst much laughter and yelling Brothers Ball, Nichols and Sidebottom of Pi took the floor to render their annual songfest (Annual at all Pi banquets). The first song was received with much ado and many encores were in order. The banquet later adjourned to the Pi Chapter House for those brothers still caring to fraternize.

In brief, the party was a social success for all the convention delegates. Brother "Wolf" Watson of Gamma Beta cared for all unhappy or distressed women in a manner befitting a "Casanova of All Time". The delegation from Nu withstood the effects of the strenuous program successfully enough to start their trek home to Pittsburgh at 2 A.M. The remainder of the visitors dispersed at various intervals and in various directions. Brothers Ames and Glass were seen frantically trying to locate some alum's "tall blond with red dress" wife—for the alumnus. Brother Johnston of Gamma Beta held forth in the pool room with the dice, claiming for himself the title of "N.L.T." (None Luckier Than). And so, all in all, the occasion proved very humorous and enjoyable to those in attendance.

Sunday brought the conference delegates together for a picture and short meetings with Brothers Glass and Ames. The visitors made their departures sometime before noon midst handclaspings and well wishing and the

*Upper left*

Grand Vice-Regent Glass, Grand Outer Guard Ames

Lower left

Theta Delegation: Walter, Mrs. Franceschini, Franceschini, Clay

Upper right

Conference Group—*Top row:* Hayworth, Sturkey, Quarles, Turner, Warren, Bild

Second row: Parsons, Beane, Watson, Link, Froyd, Jones

Third row: Dunn, Walter, Robinson, Franceschini, Clay, Christopher, Beatty, Sommer, Mikuszewski, Randall, Gareau

Seated: Benham, Ames Glass, Watson, Johnston, Ward, Chalkley

Center right

Rho Delegation: Hayworth, Watson, Sturkey, Turner. (Note Ames in background in "morning after" pose.)

Lower right

Gamma Beta Delegation—*Top row:* Beane, Thomas, Johnston

Second row: Link, Jones, Beatty, Parsons

Third row: Randall, Watson, Gareau, Mikuszewski

Bottom row: Sommer, Froyd, Ames, Christopher

hope of getting together soon again.

The credit for a successful meeting and discussion goes to Brothers Glass and Ames whose leadership gave inspiration to all concerned. The future outcome of such gatherings depends on the chapters participating. Pi, as

host to this conference, gained a feeling of greater national bond as well as many helpful suggestions from their visitors. May these gatherings of Theta Taus be continued at frequent intervals!

J. H. SIDEBOTTOM

MEN ATTENDING REGIONAL
CONFERENCE

From Gamma Beta:

L. W. Froyd	K. R. Sommer
C. F. Gareau	G. B. Watson
I. K. Jones	E. J. Thomas
J. H. Link	M. G. Christopher
J. E. Parsons	R. W. Beatty
N. B. Ames	J. R. L. Beane
B. M. Randall	C. J. Mikuszewski

From Nu:

C. H. Daniel	D. Y. Liversidge
C. C. Bauman	

From Theta:

V. W. J. Franceschini	J. H. Walter
H. A. Clay	

From Rho:

Sam Turner	S. Hayworth
S. R. Watson, Jr.	B. Hildebrand
C. M. Sturkey	

From Sigma:

R. G. Glass	
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From Pi:

J. K. Mallard	E. B. Dunn
J. H. Sidebottom	E. C. Edwards
P. S. Ball, Jr.	J. D. Hamm
C. M. Wade, Jr.	E. V. Mason
A. W. Benham	J. Oliverio
C. F. Bild	J. H. Reinburg
E. M. Boswell	T. A. Robinson
E. C. Caldwell	J. T. Ward
G. C. Colvin	M. Warren, Jr.
H. A. Dinwiddie, Jr.	O. E. Willis
T. P. Wilson	A. LeB. Jones
C. H. Hannum	H. Barnett
A. H. Tuthill	J. Carruth
W. B. Shippen	R. Ellis
R. D. Stulting	C. Chalkeley
J. L. Thomas	C. E. Batchelder
F. P. Nichols	

The gentlemen from Virginia certainly showed us true Southern hospitality at the first Eastern Regional Meeting.

Pi Chapter, as hosts to Rho, Gamma Beta, Nu, and Theta, put on an outstanding meeting—well organized—very well attended—and very entertaining.

Gamma Beta practically took over Pi Chapter with 15 men in attendance. Four men came from Rho and three each from Theta and Nu. Ames and Glass represented the Executive Council. Most of the men arrived

late Friday night and some were able to participate in the Pi initiation which was held Friday night.

Regent Buck Dinwiddie and his committee had arranged a full program for the day which included an inspection of the Engineering College in the morning, meetings all afternoon, banquet with a Founders' Day address by Brother Ames, followed by short messages from Pi Chapter faculty. The evening was finished off with a dance at Pi Chapter house with most of the Pi men turning their ladies over to the visiting Brothers.

The meeting brought out considerable interesting discussion, cleaning up many points in question. A fine spirit prevailed throughout and the attendance was a good indication of the interest shown. Everyone expressed his desire to have more meetings of this type, for it is through such meetings that we will widen the scope of the Fraternity.

R. G. GLASS, Grand Vice-Regent

May I submit this brief report on the Regional Conference at Charlottesville.

To begin with, I may say that the Theta delegation composed of Brothers Clay, Walter, and informally Mrs. Victor Franceschini, and myself, feel that the meeting was a grand success and of inestimable value to Theta Chapter. Here at Columbia the chapter is rather remote from any other chapter so that it is seldom that anyone of the group really realizes what Theta Tau really stands for. The Pi Conference left no doubt in the minds of the delegation of the wide scope of the fraternity; along with that the feeling that being a Theta Tau really means more than being just a member of a local chapter. It was simply

swell to be able to go to Charlottesville as total strangers and to leave with the feeling that behind us we were leaving a group of true friends. And I may add that when leaving time came we really regretted to have to terminate the acquaintances we had made. But, of course, there's always a tomorrow, so that if it may ever be possible to attend another meeting the present delegation will not be absent. Call it Southern hospitality if you will, but surely we are certain it was more than that. To be to the point it was no more than the Theta Tau fraternal spirit. And in passing, we may add that Buck Dinwiddie and all the other Pi brothers, recalling Vernon Quarles, Chick Chalkley in particular, were just swell.

As to the benefit Theta Chapter received from the conference, I may point out again that it was of great value. The exchange of ideas possible at such meetings is of unquestionable value. Theta has already put some of these into practice. Most of all, the really significant and telling punch in bringing improvement up here at Theta was the contacts made with Brothers Glass and Ames of the Executive Council. Shucks, when men like them spend their time on an organization like Theta Tau, well it leaves no doubt that Theta Tau really has something on the ball. We'll be seeing you again.

VICTOR FRANCESCHINI,
Regent, Theta Chapter

P. S. We would like to know what became of Pi's Theta Tau sign.

I can sincerely say that the conference at Pi was a real success, and that I had a very enjoyable time while it lasted, but it was over too soon. To meet all the brothers from the

other chapters was indeed a rare privilege, and a most enjoyable one.

All they claim about the Southern hospitality is true, and there is no exaggeration as to their friendship. The Pi brothers were overflowing with it in their new chapter house on Montibello Hill. The Pi brothers went so far as to give us their steady dates for a dance held at their house. That was a dangerous thing to do with all the handsome Romeos from the Gamma Beta chapter led by Brother Norman Ames. I hope the Pi boys still have their girl friends. The house was in very good shape until the conference men hit it, and then, well, anyone can imagine the rest.

After the interesting business meeting, an elaborate banquet was given, and I do mean elaborate. There was everything from soup to nuts. However, a greater share of the nuts were our own brothers who were always cutting capers. If a stranger had happened in at the banquet he would have wondered about everything in general, and would still be wondering. About the speeches at the banquet—there were none. But the jokes! Woo! Woo! Many were too deep for me. It was the best banquet and convention I have ever attended, and I wish to thank everyone concerned.

Just between you and me, Brother Glass is a Cassanova.

CLARENCE H. DANIEL, Nu

The Regional Conference held at Charlottesville, Virginia, on October 15th was truly a significant occasion. The significance of October 15th needs no further qualification since that date is well known to every Theta Tau; but the fact that this Conference was the first to be held in the East presided over by Grand Vice-

Regent Glass, originator of the original Conference plan, is well worth remembering.

Gamma Beta turned out with fifteen sturdy "artillerymen", including Grand Outer Guard Ames. The first Gamma Betas arrived Friday night in time for an impressive initiation ceremony. The last arrived approximately 24 hours later, on time for the informal dance held at the Pi house.

Ideas were exchanged, problems solved, at least temporarily, in regard to delinquencies. A cross-section of rushing, pledging and initiating methods was obtained from each chapter represented.

Regional Conferences may come and go, but memories of the spirit of good fellowship that prevailed at the Farmington Country Club banquet will linger forever. Spicy stories and informal singing met with everyone's approval.

Pi Chapter, headed by Regent Dinwiddie, can show you Southern hospitality like you have never seen before. And How!

Gamma Beta takes off its hat to Pi for its most efficient handling of the first Eastern Regional Conference.

CHARLES J. MIKUSZEWSKI, Regent,
Gamma Beta Chapter

Parts of the report by C. Bauman, Vice-Regent of Nu Chapter, contained specific information concerning the conference not covered in the foregoing reports. These paragraphs follow.

On Saturday morning we made a tour of the University of Virginia campus, and were especially interested in historic buildings and structures such as the room of Edgar Allen Poe and the Serpentine walls designed by Thomas Jefferson. We concentrated

most of our time in the engineering building, visiting various departments, and inspecting machinery as well as equipment. The campus was so large that we scarcely had time for as complete a tour as we would have liked.

The formal business meeting is very well covered in the minutes written by Brothers Bild and Sidebottom of Pi Chapter. However, the points which seemed to be of greatest importance to Nu Chapter were: (1) frequent dinner meetings of active members, (2) formally conducted meetings often enough to fully acquaint all members with the ritual, (3) a memorial book in the library for deceased members and alumni, and (4) creating greater alumni interest through invitation notes for banquets, initiations, Homecomings, and useful suggestions.

C. BAUMAN, Vice-Regent,
Nu Chapter

Our delegation from Nu Chapter consisted of three men: Brothers Clarence Daniel, Clem Bauman and myself. We left late Friday afternoon, October 14, driving the three-hundred-odd miles, except for the first part of the trip, in moonlight, which made that part of the Shenandoah Valley through which we passed look more beautiful than ever. Arriving early Saturday morning (in the wee small hours) we found only a few of the men at the house, since the rest were still out celebrating the formal initiation which had been held earlier in the evening. After registering and meeting some of the men, we turned in, the house men giving us their beds and sleeping on mattresses on the floor—real southern hospitality, certainly.

On Saturday morning our hosts showed us around the campus, parts

of which are quite historic, having been designed and laid out by Thomas Jefferson, whose home is on a hill overlooking Charlottesville. Their engineering school is smaller than ours here at Carnegie Tech., but they have a comparatively new plant, with very good equipment. We noticed no one wearing a sweater on the campus, every man was wearing a suitcoat, and on inquiry we found that it was a custom to wear suits on the campus. It certainly gave the student body a more dignified appearance.

Saturday afternoon, October 15th, we proceeded with the business meeting. After a formal opening we divided into two groups for discussion of fraternity problems, Brother Glass leading the discussion among the Regents and Vice-Regents, while Brother Ames led that among the Scribes and Treasurers. We heard and were impressed with the advantages of having a special Theta Tau room where all meetings might be held. Information on rushing and on delinquent actives (financially) was of interest.

That evening a banquet was held at a country club near town, at which all the delegates were present. Everyone seemed to enjoy it, what with a very good meal and good after-dinner speeches. After the banquet a party was held at the house but we Nu delegates broke away about 2 a. m. when things were just beginning to pop, since two of us had to be back at Tech. by midday Sunday. Unfortunately it meant missing the group picture to be taken late Sunday morning. We got back without further ado, tired but happy.

It seemed, when we bid goodbye to our hosts and fellow delegates, friends of not more than 25 hours, that we had known them for years. It certainly was nice to meet these men from other chapters and to hear of them and Theta Tau there. I'm sure that such a convention was quite worth our time. The only thing I regret about the convention was that our delegation was not larger, so that more Nu men might have benefited by the experience.

DAVID Y. LIVERSIDGE, Nu '40

Young Theta Taus Making Impressive Start

RALPH B. UTT, Psi '34

Ralph Bernard Utt was born in Mansfield, Washington, in 1907. When he was 9 his family moved to Kellogg, Idaho, and his metallurgical career began almost immediately. His father was an operator at the world famous Bunker Hill and Sullivan Smelter, and young Ralph followed close in his footsteps. While he was attending high school, and during his summers he began holding down jobs in various departments, and by the time he went

away to Moscow to the University of Idaho, he had been successively a laborer, an operator, a repair man, a sampler, and an assayer and chemist.

During this time he had also been afield; to Cascade, Idaho, as a chemist, and to Murray, Idaho, as a general superintendent. It was, therefore, natural that although he began as a pre-medical student, he soon saw that he was a confirmed miner. He transferred to the Montana School of Mines for two years, and then returned

to his original Alma Mater to get his degree in Metallurgical Engineering. At Montana he was an important member of both the football and basketball squads, and at Idaho, he filled the post of quarterback on the team that in 1927 tied for the Pacific Coast Championship. Other activities he participated in were boxing, in which he taught a class; politics, in which he held several important positions; and geodetic surveying, in which he lectured.

During college, Ralph had held a summer job as mill superintendent at a property in Susanville, Oregon, and on graduation he went to Libby, Montana, in the same capacity. This plant closed down in 1935, so Ralph accepted the mill superintendent job at a gold mine in Baber, Oregon. From here he resigned in November to join Denver Equipment Company.

His first charge was the Southwestern United States, and in his capable hands the potentialities for service in this territory developed until he could no longer cover it himself. Accordingly the district was divided, and Ralph took charge of the Western part with headquarters in San Francisco. Here he stayed until 1938. This year, personnel changes in Denver gave him the important Colorado territory, where in the short space of a few months his friendly smile and amiable personality have become familiar to new and old friends of Denver Equipment Company alike.

DAVID C. MINTON

David C. Minton, Chi '30, has received an appointment as professor of mining and metallurgy in the Department of Mining Engineering, College of Engineering, University of the

Philippines, Manila, P. I. He recently resigned from his position with Mammoth - St. Anthony, Ltd., Mammoth, Arizona, and plans to leave for the Philippines in the near future.

Brother Minton received a B.S. degree in mining engineering at the University of Arizona in 1930, and a degree of M. S. in metallurgy the following year. He is a native of Oklahoma City, Oklahoma.

He has been employed by a number of southwestern mining companies and smelters including Magma Copper Co., Superior, Arizona; the El Paso Smelting Works; the El Tiro and Imperial mines at Silverbell, Arizona; and the Golden Belt mines at Cordes, Arizona. He has held the position of manager at Minas Las Animas, in Mexico; Molybdenum, Inc., at Helvetia, Arizona; and the Arkansas Mining Corporation at Hot Spring, Arkansas, which is a subsidiary of the Titanium Alloy Manufacturing Co. of Niagara Falls, N. Y.

Brother Minton has also had experience in the topographical branch of the United States Geological Survey and received his appointment as instructor of mining and metallurgy at the University of Arizona last fall.

—*From Arizona Mining Journal,*
Phoenix, Arizona

W. K. RIEMENSCHNEIDER

Selected by Delta Chapter of Theta Tau Fraternity as having the most marked professional ability of all seniors in the 1938 graduating class of the Case School of Applied Science, W. K. Riemenschneider of Canton, Ohio, has been presented an award by the fraternity recognizing this honor. He is a member of Theta Tau.

The award was established by the

fraternity in honor of the late Professor F. R. Van Horn, whose work in fostering the athletic and social interests of Case School is one of the cherished memories of the college.

In recognition of his high scholastic standing, Brother Riemenschneider has been made a member of Tau Beta Pi; and because of leadership in extra-curricular activities he has been chosen a member of Blue Key.

He was president of his class during his sophomore year and was a member of the Case Senate during his junior and senior years. In addition, he has been active in sport and publication groups, and is a member of Sigma Nu general fraternity.

—*The Case News Service*

JOHN E. ALLEN

The State Department of Geology and Mineral Industries announces the appointment of John Eliot Allen, Epsilon '32, as field geologist to be sta-

tioned at the State Assay Laboratory at Baker.

Allen has been employed since 1935 as geologist, investigating the chromite deposits of the west coast, for the Rustless Iron and Steel Corporation of Baltimore, Maryland, whose western office is located at Grants Pass, Oregon.

He is a graduate of the University of Oregon and has done graduate work at the University of California at Berkeley.

The principal work of the field geologist this summer will be to visit the mines and prospects in the eastern Oregon district and report on them for the new "Mines Directory of Oregon", in preparation by the State Department of Geology and Mineral Industries.

Allen also spent some time in July with a field party which spent several weeks this summer on geologic work in the Wallowa Mountains under Dr. W. D. Smith of the University of Oregon.

THE "CONSULTANT"

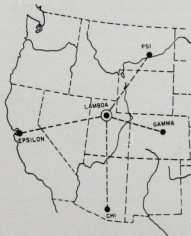
Haven't you always wondered just what a "Consultant" is? The English economist, Mark Spade, gives the following definition in his book "Business for Pleasure":

"It is not easy to give a precise definition of a consultant. He is, of course, an Expert. But then there are thousands of experts who are ordinary honest men working in the usual way. Again, he is not a permanent employee. He only comes in to do a certain job and goes away again quickly before anyone can see the snag. But then so does a plumber. And manifestly a plumber is not a consultant. At least

not the sort I mean. Moreover, an ordinary Expert or an ordinary Plumber has to produce some credentials to show that he is an expert or a plumber. But it is an essential feature of the true consultant that you don't ask rude questions about an expert's qualifications or watch carefully to see if he forgets his tools and brings his helper. You just take him in a spirit of sublime trust. In the last analysis I think the only way of deciding whether a man is a consultant or not, is to look at the amount he is paid. If he is paid at the rate of more than 5,000 a year and if, moreover, he is paid in guineas, then he is almost certainly a consultant."

Western Regional Conference Held at Lambda Chapter

Despite such obstacles as great distances, mountains, and adverse weather all of the far western chapters met at Salt Lake City on November 11th. Unfortunately a raging blizzard on the 10th closed the roads to Butte so that the large delegation that had planned to drive down was unable to come, but three members came down by train.



Meetings were held in the Union Building at the University of Utah. The first sight that greeted the delegates was a flock of reporters and photographers from the Salt Lake City newspapers and a fine write-up appeared on the front page of the *Salt Lake Telegram* with photos of the Grand Scribe and Ray Morgan, Regent of Lambda Chapter who presided.

Lunch was served at the Union Building after the initial opening sessions and in the afternoon the various committees of chapter officers and the

chapter advisers reported to the meeting and there was a lively discussion. All of the chapters except Epsilon were represented by faculty members.

In the evening there was a banquet at the Newhouse Hotel arranged by the officers of the Intermountain Alumni Association. One hundred and two actives and alumni attended this dinner.

On Saturday the visitors and a number of the actives from Lambda Chapter visited the famous Utah Copper Co., the Garfield Smelter, the Elton Tunnel and the Arthur milling plant. The delegation from Arizona left in the afternoon for Tucson and all the other delegates left Saturday night or early Sunday morning. The general opinion of the delegates seemed to be that much good had been accomplished by the meeting and many valuable suggestions were made.

Representatives of the chapters were: E. J. Schrader, Grand Scribe, represented the Executive Council

Epsilon Chapter

Theodore Olsen

Psi Chapter

Clarence G. Schrader

Prof. George L. Shue

Cbi Chapter

Prof. E. S. Borgquist

LaMont West

Gamma Chapter

Prof. M. I. Signer

Schuyler Herres

Robert J. Blair

Lorenz Waldhausen

Laurence T. Eck

Frederick B. Clark, Jr.

Charles Nicholas

Jimmy Mills

D. E. Salisbury

Most of the active members of Lambda attended the meetings and the officers of Lambda acted as representatives of that chapter. Mervin B. Hogan, chapter adviser, T. C. Adams, and Thomas J. Parmley were the faculty members of Lambda who attended all the conferences.

Frank Trask, Jr., Psi '36, with Cotopaxi Exploration Co., is Far From the Bright Lights

I am at Mina Mercedes located at 1° south lat., 79° west long., at an elevation of 1840 meters (6,000 ft.) above sea level, on the west slope of the Andes. The camp, which is only a few years old, is reached from Latacunga by a three-hour automobile trip followed by a six-hour ride on a mule. Latacunga is on the Guayaquil and Quito Railroad and is in the Sierras at an elevation of about 10,000 ft. From there one can see Cotopaxi—a beautifully shaped volcanic peak that is 19,613 ft. in elevation and perpetually snow-capped. The Sierras are rather barren rock and grass covered lands with a temperate climate.

By contrast, the mine is in the montana, or tree covered mountains, with a semi-tropical climate. Since I have been here the temperature has not dropped below 48°F. or gone much over 80°F. The usual daily temperature range is from about 54°F. to 76°F. It is never hot, never cold, and the wind never blows. From May through December we enjoy beautiful weather with clear skies and plenty of sunshine. It all sounds too idealistic, but the "catch" in the weather starts about the end of December and continues through to May. It rains. It rains every day, every night, in fact just about all the time. The total rainfall for a year averages from 120 to 140 inches, and a 6-inch rain in 24 hours has been recorded. So much for the weather.

The country around the mine is steep beyond all imagination. The main stream in the area flows on a 10% grade, the principle tributaries from 12% to 15%, and the smaller side streams literally tumble down the

mountains in a series of falls. The side hill slopes are rarely under 30° , while 40° to 45° is common and cliffs are encountered frequently. This makes all kinds of construction expensive and difficult. For example, how are you going to make a road cut with a 1:1 slope in a 45° hillside?



Brother Trask rides for recreation

The mine has been developed by running tunnels into the ore from the hillside, and by an extensive diamond drilling program. At present work is continuing by drilling. Actual extraction will begin upon the completion of a road, power plant, and mill.

The road is being run from the mine to the west to the head of a navigable river that flows into the Rio Guayas and thence to the Pacific Ocean. The lower end of the road is in the low, hot country in real tropical climate. Thus, by taking a trip from Cotopaxi, through our camp, and down the road one can pass through every type of climate and all within a degree of the equator.

My work has consisted of topographic mapping, road surveys, electric power plant surveys, prospecting, and mine development work.

For recreation I ride my horse. There are many beautiful and interesting trails in the surrounding country.



El Chimborazo—"further into space"

Other than that, reading takes up spare time. There is no town less than a day's trip away and several of us have not seen a picture show, been to a dance, ridden in an automobile, or dressed in our good clothes for over a year. In all it is a pretty good place to live, and it is possible to save money (no place to spend it).

The natives are of Spanish, Indian, and mixed blood, though all speak Spanish, so that one only has one language to learn. Most of them go barefooted and work for about three Sucre (about 20c) per day.

Also here in this camp is Mel Williams, Psi '36. At the camp of the South American Development Co. in southern Ecuador are Al Davidson, Psi, Frank Lamb, Chi, and Bob Bacon, Chi. Theta Tau is well represented in this little country.

The main scenic attractions of the country are the high, snow-capped, volcanic peaks, many of which are visible from the Guayaquil and Quito Railroad. Of special interest is Chimborazo, 20,700 ft. in elevation, which extends farther into space from the center of the earth than any other mountain because of the earth's equatorial bulge.

I am enclosing a few pictures to supplement the article which I trust will be satisfactory.

FRANK TRASK, JR., Psi '36
Casilla 272, Latacunga, Ecuador

Regional Conference at Sigma

Sigma Chapter was host to a Regional Conference of the Central Regional District November 12th and 13th.

Delegations came from Delta and Phi Chapters, arriving in time for buffet luncheon at noon on Saturday. Chapter advisers were present from Phi and Sigma Chapters. Brothers Glass and Hopkins represented the Executive Council.

The financial details of chapter management were discussed in the group of Treasurers, Scribes, and

House Managers, presided over by Brother Glass; while Brother Hopkins presided over the other group of Regents and Vice-Regents, who discussed the administrative phase of the chapter organization. Later in the afternoon both groups met and a general discussion was held on co-operation between chapter officers, Executive Council members, and chapter advisers.

At 6:30 p. m. the banquet was held at the Fort Hayes Hotel, presided over by Brother Darrenberger, Regent of Sigma Chapter, at which speeches were

made by visiting members, Central Alumni Association, faculty, and Executive Council. At 9:30 p. m. a model initiation was held at the chapter house by the officers of the chapter, and later a spirited discussion ensued regarding the ways of improving the rendition of the ritual.

The Conference was attended on Sunday morning by visiting members and officers, and the visitors returned home during the day. The minutes

of the meetings are to be written up in detail. The conference was carried through with systematic detail, and a great deal was gained by every man participating in the meeting.

This is the second time that Sigma Chapter has been host to the regional meeting, and again they showed that cordial hospitality for which they are known.

H. H. HOPKINS,
Past Grand Regent

Robert Coats Writes from Alaska

Naturally I feel rather flattered that you should think my remarks would be of interest to some of the other Brothers. I shall be glad to furnish what information and entertainment I can, however.

The University, about which most of my life revolves at present, is situated five miles from Fairbanks, in the interior of Alaska, about a degree and a half below the Arctic Circle. Fairbanks is the commercial center of the placer mining of interior Alaska, which still furnishes considerable quantities of gold annually. Though it has but three thousand residents, its status as a mining center makes it far more progressive and lively than one would expect from the bare population figures. The town is a curious mixture of the modern city and the pioneer settlement; it has unpaved streets (because of the high cost of concrete) and a central steam heating plant for the business section. There are several modern hotels and office buildings, a busy airport, and the terminus of the Alaska Railroad; but most of the residences are log cabins—including some of the most modern, for, curiously enough, a log cabin may

be not only more expensive and better looking, but more comfortable than a frame house.

The climate is similar to, and scarcely more rigorous than, that of the northern Rocky Mountain states. Contrary to the general impression, we have little precipitation—about 12 inches a year, most of which falls in summer as rain. The winters are cold (down to 60 below), dry, and clear.

As for the people, there are two



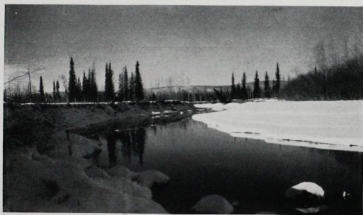
Geologist Coats

characteristics which impress one most, both products I should judge, of the essentially pioneer conditions here. These are their friendliness and their spirit of self-reliance and independence. Social life here is more leisurely and less dependent on external entertainment than is the case Outside (note capitalization—a characteristic Alaskanism).

At the University, now sixteen years old, the registration is about two hundred, about one-third of whom

cause much of the mining work near here is summer work, the school year is compressed into the winter so that we have practically no vacation except the summer vacation, which is four months long.

The courses which I teach are numerous and varied. They include General Geology, Mineralogy, Structural Geology, Petrology, Petrography, Geology of Alaska, and Field Geology. The last course, as you may imagine, operates under somewhat of a handi-



Slough near Fairbanks, Alaska

are in mining, and hence must take some or all of the geology courses which I teach. The students here are not greatly different from those at any technical school outside. They will average slightly older. The men are nearly all at least partly self-supporting, and many of them support themselves completely by their summer work, since wages are quite high here in Alaska—the rate for common labor being six dollars a day and board. Men who have more responsible jobs, as many do, may earn enough so that they have to pay income taxes. Be-

cap as far as surface work is concerned. The first snow of the season fell last night! The underground work, however, has the advantage of the presence of several small lode mines in the near vicinity.

Another common impression which may be corrected: There are no Eskimo living in the immediate vicinity, and very few Indians. There are no "native" students; about one percent are probably part "native", either Indian or Eskimo. There is extremely little race prejudice in this country, perhaps because many of the pioneers

came into such close contact (!) with the "natives." (Note: I put "Native" in quotes because of course, a fair proportion of our students are, strictly speaking, natives, being born in this country. We do get, however, a great many who attended high school or college outside, before coming to Alaska for the first time.)

About half the faculty live on or near the campus, usually in cottages or small cabins, and the other half in town, commuting back and forth by bus. Our recreations are conditioned by the environment: chiefly gardening (especially vegetables) in summer, swimming, boating, and very recently, golf; in winter, skiing, skating, curl-

ing, and conversation, which last is not yet a lost art here. Dog sledding, contrary to the general impression, is not particularly popular, though picturesque, since dogs are expensive to keep, and the dogsled as a means of transportation is being eclipsed by the airplane, which is not only the quickest but usually the cheapest method of travelling long distances up here. There is a good deal of game hunting, and some game shooting up here—caribou, moose, bear, sheep, and small game—birds and "low-bush moose", or snowshoe hare.

University of Alaska, College, Alaska
September 29, 1938

Henry T. Putz Takes New Position, Bride, and "the Long Way Around"

Henry T. Putz joined the ranks of benedicts on June 21, 1938, when he was married to Miss Dolores Alice Comerma of Johannesburg, South Africa. Brother Putz, Gamma '32, has been in South Africa for four years, first with the Great Western Gold Mining Company and then with the Crown Mines, Ltd. He terminated his services with the latter company at the time of his marriage to accept a position with the Golden Valley Mine at Golden Valley, Gatooma, Southern Rhodesia, Africa.

The couple took "the long way around" from Johannesburg to Southern Rhodesia and had a very interesting and enjoyable trip seeing some of the wild game of Africa. The accompanying picture was made from a snapshot taken of them in "the dark continent".

Imagine going all the way to South Africa to find a bride! Judging from the picture Brother Putz knew what he was doing.



Mr. and Mrs. Putz

Brothers Karl Davis, Nu '24, and Ned Ashton, Omicron '25, Win Awards

In the recent contest sponsored by the Lincoln Arc Welding Foundation, two Theta Taus were among the 382 successful contestants who submitted papers judged outstanding by a committee of eminent engineers. Papers submitted were on the use of welding on some project with which the author was connected. From conservative estimates made from the review of the many papers, a saving of \$1,600,000,000 was possible by use of welding in preference to other methods.

Brother Davis' winning paper was entitled "The Redesign and Fabrication of a Continuous Furnace Mechan-

ism". He estimated a 20 percent saving on this project by welding. Although Vice-President of Tate-Jones & Co., Inc., Brother Davis found time to devote some one hundred hours to the preparation of his paper.

Brother Ashton's paper was entitled "The Economy of Electric Arc Welded Steel Plate Floors as Applied to Arc Welded Bridges and Viaducts." After reviewing seven major bridge designs he concluded that a 25 percent saving resulted from welding. The thoroughness of Brother Ashton's paper is indicated by the fact that he spent about 750 hours on its preparation and his preliminary study.



Vice-President Davis



Bridge designer Ashton

LeRoy Brown Reports on Interesting Feature of Cuban Mine

For the past two and a half years I have been Assistant Mine Superintendent at Minas de Matahambre, Cuba, where we mine 1250 tons of copper ore daily. The mine has been

operating since 1912 and is the only important copper producer in Cuba.

An interesting feature of our operations is the complete cycle through which the ore passes, as follows: the

ore is mined by underground stoping methods, hoisted to the surface, passed through the primary crushing plant and is conveyed to the mill by aerial tram. At the mill the copper minerals are separated from the gangue by flotation methods and the valueless mill tails, in the form of sand, is returned to the stopes for fill, flowing by gravity through rubber lined pipes. Thus the ore which may have been mined 2000 feet below the surface, remains out of the mine only long enough for the operators to take out

the desired minerals and it is then returned underground again.

Matahambre is situated about 150 miles west of Havana, 8 miles inland from the north coast. The town has a population of about 5000 people and there are forty Americans. For recreation we have golf, swimming, tennis, baseball, riding and the usual social activities enjoyed by colonies of Americans wherever they may be gathered.

LEROY T. BROWN, Gamma '26
Matahambre, Cuba



On the way "out" for a vacation—Senior and Junior

Homes of Staff

The Concentrator

On the job underground
Writer in background

"A Tribute to Engineers"

Boake Carter

WELL, I had written this out because I am afraid I might get nervous and not just say what I want to say, and rest assured no one has written it for me." And that was the way Howard Hughes started off to say what he wanted to say about the flight of himself and his four companions around the world, and he said it into a microphone on the steps of New York City Hall at noontime—that traditional spot where the Eastern gateway of the United States welcomes home so many famous American sons. He said what he had to say after New York turned out one

of those old-time kind of welcomes that have neither been seen nor heard since Wiley Post rode up Broadway. Whistles, horns, bells and human voices combined into one bedlam of a noise. Through the air, of course, floated that traditional paper storm. But it was not so much how Hughes said what he did, but what he said. For what he said has never been said so bluntly, so pointedly and with such simple directness by any other flyer who flew to world acclaim. "I'm not very good at making speeches,"

said he. "I've consented to make this one only because there is one thing about this flight that I would like everyone to know. It was in no way

a stunt. It was the carrying out of a careful plan." And then with that same kind of directness that carried him around the world faster than any living man, he came to the matter that he desired to "get off his chest"—so to speak. He refused to accept the laurels of the acclaim for himself or for his crew. He gave the credit with a simple earnestness that banished all suspicions of false modesty, to the unseen and unsung

heroes of aviation. And he did it this way: "We who did it are entitled to no particular credit. We are no supermen. Any one of the airline pilots of this Nation with any of the trained Army and Navy navigators and competent radio engineers of any of our modern transports could have done the same thing. The airline pilots of this country, who, in my opinion are the finest flyers in the world, meet much worse conditions night after night during the winter. All we did was to operate this equipment and plane ac-

Boake Carter's broadcast of July 15, 1938, relative to the Hughes flight, was undoubtedly missed by great numbers of engineers and engineering students. Because of his eloquent tribute to our profession, it is here reprinted in order that our readers can enjoy a rare experience—appreciation of the engineers' efforts by a layman. As a rule, our work is taken for granted. Consequently the editors advise the reader to take the precaution of unbuttoning the vest before reading this unusual tribute.

cording to the instruction books that came with it. All the real credit is due the test pilots, the draughtsmen, the engineers, the mechanics, the clerks and the field workers who through all these years have made such flights possible. They get no ovation such as this but they deserve it more than we do. For them, the hours of back-breaking work, the disappointments and the heartaches. And if this flight has given them any satisfaction in realizing their work has been well done, we are happy." And that, if is served aright the memory of this commentator, who himself flew years ago, this is the first occasion in connection with the return of an American aviation hero that tribute has been paid so boldly, so directly, and so truly to the engineering profession for major credit of success. But why should Hughes mention this point? Because he is himself an engineer, and he knows all too well the stupendous hours of labor, the immense brain-work in higher mathematics that the engineering profession of the United States uses to conceive, to develop, all the thousands and one things we lay people utilize every day of our lives, but about which we seldom give a thought as to how they ever originated. It was Howard Hughes, the engineer, perhaps, rather than the flyer, who declared, with a trace of passion in his words, that two hundred thousand dollars of engineering and test work had gone into the producing of this beautiful creation that he and four companions flew around the world so fast. The understanding for which he was pleading among his listeners was that he and his four men simply sat at a machine and guided it on its route, while the draughtsmen, the engineers, the test pilots, the field

men, the clerks had spent months, nay, years, designing and bringing to perfection the instrument which he and his four fellows simply operated for less than four days, to be therefore acclaimed as supermen. And when he pleaded thus he lifted the corner of a curtain obscuring a magnificent achievement of what is probably one of the most modest and yet most effective professions of our civilized world. And it is perhaps not improbable that



Broadcaster Carter
—Radio News

twenty or more men spent eight hundred or a thousand hours of work per week for eight or twelve months in the drafting rooms alone to produce the ship that Hughes flew this week. It is these men who make what life is around us today but never speak of themselves—they're artists, these men—creators. They consume hours upon hours finding out how this may fit just so into that and yet obtain the greatest strength with the least weight possible. They have specialized knowledge. They use the specialized knowledge gained by thousands of engineers

ahead of them and the thousands of formulae in higher mathematics that must be consulted. One must take the handbook and thumb through it to obtain the information needed—often to make even a start; information that is gathered by other engineers of a half a century of brainwork and experimenting. The engineer must spend months crystallizing what it is that is needed in his mind before he begins to plan on paper. He must work out thousands of problems concerning a plane that is safe, for example, where the tortional vibrations are to come; to relate those vibrations of the motors to the structural strength of the ship; work out where the nodes come in each wing, see that the peak of one vibration doesn't hit upon the peak of another—which, if it did would mean something would let go somewhere and a pilot might die, perhaps. They must work out conditions under which various metals will crystallize, seek combinations of metals that may prove the best for what is needed. And then the hours of disappointment with finding sometimes figures won't check, and of the hours of sheer lashing of the brain; to go all the way back to the beginning and start afresh to find out why things wouldn't check. And Hughes' machine carried a board of instruments which would make a modern submarine commander pale with dismay. Some of them are Army Air Corps instruments still on the secret list, testing. And these enabled Hughes to fly like an arrow from each point of takeoff to point of landing. And to the layman, they may look like a confusing row of pretty clock faces, but consider the mathematical genius that has gone into sixty odd years of research, and the millions of dollars

spent over that time in experimentation to design an instrument which, say, you can now step up and buy for a couple of hundred dollars and give no thought as to how it arrived at its current point of super-efficiency. In days long ago, wartime, when the fighting forces of the nation needed equipment, the best brains of the engineering profession in the country were then drafted into service and of them was demanded conceptions within three to six months, which ordinarily would encompass five to six years' research. Six years' work, in other words, had to be done in six months! National emergency pressure was upon these men and day and night they often sat at their drawing boards and days upon end they fought and battled with the exactitudes of higher mathematics, and as the human dynamo can stand only so much, so can the brain stand only so much flogging. The pressure at times made men go temporarily mad. Yet was there ever ticker tape tossed out of skyscraper windows for them? Did ever large throngs of cheering multitudes meet them to acclaim them as conquering heroes? Never. For the reason that theirs is not the spectacular, the color and the drama, that catches the popular fancy. Theirs is the drudgery, the exhausting labor of the unromantic and prosaic drawing board. Theirs is unexciting—to the multitude, labor, plowing through logarithms and calculi to find the formulae for the constructor to follow, so that the operator may operate in spectacular fashion and thus be the magnet for the cheers. The engineer is the least public-acclaim conscious among all human animals in the world it seems. He creates and his mind, body and soul is wrapped up in his

artistry. He gives away labors where other professionals gather vast fees. He slaves his brain out in conceptions. He watches his brain child forming, forming, taking shape. He sees at last the finished job and he watches it. Then a layman comes along, sees his creation and brightly observes, "Oh, isn't that pretty?" Then it is that the engineer turns from being a dynamo into a human being and would cheerfully commit murder. For it bites his soul to realize that all the heartaches, all the disappointments, the joys, the hopes, the fears of months, often years, sometimes lifetimes of labor go unrecognized and are merely summed up in the lay phrase, "Oh, isn't that pretty?" So it was for these men, draftsmen, test pilots, who must be the first to risk

their necks on the products of the draftsmen, that Howard Hughes was pleading for in his short speech in New York today. It was a speech that should be understood for the depths of its sincerity and it is a tribute to Hughes that he should understand so well and have no hesitation in asking the lay mind of America to try and understand who are the real heroes of his performance. But then Hughes is one of those men who belong to that fraternity of men whose labors go all too often unrecognized, unthanked and unsung. Yet we use the products of their genius every day; this microphone, your radio are but two instances! That fraternity of mankind whose members say of themselves so disarmingly, "Oh, I'm just an engineer!"

Richard R. Lyman, Lambda Honorary, Addresses the London Society

Brother Richard R. Lyman stood up in the Hall of the Royal Society of Arts last February and told the members of the London Society what a hopeless jungle the city was to both newcomers and old. With true Theta Tau spirit he offered not only criticism, but a remedy.

He pointed out that many important firms have an address giving only the name of the street. The stranger looking for such a firm has the unpleasant and time-consuming task of looking over the business signs on a mile or more of this street. To add to his difficulty, London has 16,000 streets, known only by names and running in various and diverse directions. Even old residents, social workers, and business men can waste nearly an hour in finding a nearby address.

Brother Lyman's remedy was that already developed in Salt Lake City and a few other cities, of putting small letters on each street sign in addition to the name of the street giving the number of hundreds north, south, east, or west of the principal axial streets. He suggested using 1000 numbers per mile. Thus if an address were 6250 North, one would know that it was 6.25 miles north of the east-west axial reference street. After all streets were properly numbered, the houses should be numbered. His plan would provide a number for each ten lineal feet of street.

Whether or not this address will cause the archaic address system of London to be changed cannot be predicted, but that Brother Lyman's suggestion is sensible and economical is beyond question.

In Memoriam

VAN DYNE HOWBERT, Gamma '16
An Appreciation by Otto Sussman

Van Dyne Howbert, of The American Metal Co., Ltd., died after a brief illness at the New York Hospital, New York City, on October 13. He was born in Colorado Springs, Colo., on August 11, 1892, and attended the Sheffield Scientific School of Yale where in 1913 he received the degree of Ph.B. In 1916 he received the degree of Engineer of Mines at the Colorado School of Mines.

After working in various capacities in the Cripple Creek and San Juan districts of Colorado, he entered the first Engineer Officers Training Camp at Fort Riley in April, 1917. He was awarded his commission as Second Lieutenant at Fort Leavenworth and was then assigned to the 314th Engineers, 89th Division, at Camp Funston, Kan. As Lieutenant of Company F, 314th Engineers, he was popular with officers and men alike, and exemplified the ideals of the service during the unusually cold and trying winter in camp. In the spring of 1918, having been promoted to First Lieutenant, he accompanied his regiment to France where he went directly behind the lines in the Toul Sector for final training, and shortly afterwards into the line near Beaumont and Flirey facing Mont Sec. Lt. Howbert went over the top with his company, the same as the infantry, in the St. Mihiel drive, and ended up in the Argonne by helping the infantry across the Meuse River under heavy fire the night before the Armistice. Later he accompanied his regiment into Germany where it formed part of the army of occupation.

After leaving the army in 1919, he became connected with some properties in Shasta County, Calif. In 1920 he joined the staff of the Cia. Minera de Penoles, S. A., the Mexican Subsidiary of The American Metal Co. After three years in Mexico, he transferred his headquarters to the El Paso, Texas,

office of The American Metal Co., of which he remained in charge for six years. During that period he took a prominent part in the rejuvenation of the Presidio mine, owned and operated by a subsidiary company of which he became a vice-president and director. The geological work done by Brother Howbert at that mine was regarded as an outstanding achievement.

In 1929 Howbert was transferred to the New York office of The American Metal Co. where he took charge of the development and exploration department. He was also a director of The American Metal Company of New Mexico, which operates the Pecos mine, and of The American Metal Company of Canada, Ltd. During his eighteen years with the company he traveled extensively in its behalf in the United States, Mexico, Canada and South America. With his ability as geologist and engineer, and his excellent business judgment, were combined a winsome frankness and a kindly, cheerful nature that caused him to be held in affectionate regard by his associates, by those who worked under him, and by all his friends in the profession.

The death of Otis Keough, Gamma '21, has been reported to THE GEAR. Brother Keough was the South African representative for the American Cyanamid & Chemical Co.

THE GEAR has received word of the death of the following Theta Taus:

S. E. BRETHERTON, Epsilon '15, on April 25, 1933

LAWRENCE K. SNYDER, Iota '29, in November, 1937

HARRY A. AMBLER, Iota '17, on July 8, 1937
EDWIN BRIGHTMAN, Tau '33, on October 6, 1937

No further details are available.

Interesting Letter to Michigan Tech Man from A. L. Ferris, Beta '11

Mina Berlin, Yarumal
Colombia, S. A.
February 18, 1938

Dear Richard:

I want to thank you very much for your interesting letter which I recently received. It was the first personal letter from Houghton in many, many years.

Certainly the college has changed considerably from the days when I was there—then

it was purely mining and metallurgical and so of course did not draw the same number of students as now. I trust, Dick, that you will enjoy your work in your chosen profession as much as I have in mining. It was strange how I happened to pick up mining but somehow I thought the life would appeal to me and it always has. While there are many hardships to it, there is something about it which is fascinating.

Since graduating, I have worked with men from many different colleges and have always found that the Houghton men could hold their own with any of them, that is as far as mining was concerned and no doubt the present courses in other lines are equally thorough. I am sure that you will get excellent training there and, if it is the same as in the days of old, they give you plenty of work to do. In my time they had no courses such as you speak of—speech, languages, etc. I have often wished that I could have had something along those lines.

And now something about my present location and work,—as you possibly may know I am at a gold property out here in the Andes mountains and the topography is terribly rough and rugged. The company which I am with are developing a gold property here and so far it looks very encouraging. In fact, so much so that they are increasing the capacity of the mill from a hundred metric tons per day to three hundred. This means a great deal of extra work both in mill construction and in getting the mine ready for increased tonnage. On account of the location, it is difficult getting in equipment and supplies. For instance a shipment of machinery from New York comes to either Porto Colombia or Baranquilla by boat, then up the Magdalena river on river boats to Porto Berrio, then on a narrow gauge railroad to Hatillo. From here it is hauled in trucks to our warehouse about twenty miles from the mine. From the warehouse, it is hauled in by large caterpillar tractors, of which we have three. The cost per ton from New York to the mine is tremendous.

The mill is a cyanide plant with modern machinery and when completed will be the largest mill treating gold ore here in Colombia. We have an electric power plant about fifteen miles from here but the country is so rough that it takes a good day to ride over there on a mule. The elevation here at the mine is around six thousand feet and while we are only about seven degrees north of the equator, the climate is very pleasant and healthful although wet at certain seasons of the year. In going over to the plant, you go down into a deep valley and get down into the hot country where there is plenty of

fever, then climb for several hours to the plant where it is very cool. I went over last Tuesday and returned Wednesday. On my arrival at the mine, I was just about all in as I did it in too much of a hurry.

We have a very nice camp here with modern conveniences and a very nice crowd of people. Although this is a Canadian company practically all the foreigners here are Americans, most of them from the Southwest or Mexico. I have known most of them at one time or another in either Mexico or Arizona.

In addition to my work here at the mine, I make occasional trips on examination work and so have an opportunity of seeing quite a bit of the country. Last fall I was away quite a while on a trip down the Cauca river and it was quite interesting. On one of the trips I traveled by mule back, auto, a small launch, in a canoe, and wound up by returning in an airplane—a large modern Boeing plane which had just come down from the states. In fact, within a very few hours I was in two different planes: a hydroplane picked me up on a river and took me about a hundred miles to where there is a combination landing field for both hydroplanes and land planes. At this place I changed into this modern Boeing and it was certainly a contrast from traveling on a mule or by canoe.

Next month I expect to leave on a trip to the Cauca—will take a pack train from the mine and go overland where I will spend some time getting some work started in drilling alluvial ground. This company is endeavoring to locate a good alluvial property but so far we have not had much luck. However, this finding a good mine is like looking for a needle in a hay stack.

I wish that you would stop in Professor Fisher's office and give him my kindest regards. I presume now that they all call him Dr. Fisher but he will always be Professor to me. I have always thought a great deal of him. I certainly intend to write him one of these days. I am enclosing a blank check, Dick, and wish you would ask him to pay up my dues in the Alumni Association and also a subscription to the Lode.

Sincerely,

A. L. FERRIS, Class of 1911
—From The Michigan Tech Lode

Newspaper Clippings Concerning Gamma's Polite Verbal Exchange With Their Campus Rivals During the Homecoming Festivities

CHALLENGE

The sagacious and illustrious members of the honorable and most worthy order of Sigma Gamma Epsilon realiz-

ing their just superiority over the atrocious and abominable Theta Taus, but not being of a boastful nature, do wish to publicly demonstrate for the

benefit of those assembled, the insignificance of the Theta Tau misanthropes, their uselessness and burden on society.

Therefore the commendable members of the most laudable and praiseworthy S. G. E. do challenge the obnoxious members of the detestable and loathsome Theta Tau to a showdown on the field of mortal combat on the occasion of the Homecoming game. The dueling weapons shall be "muck sticks"! Prepare yourselves accordingly, odious children.

Signed

SIGMA GAMMA EPSILON

ACCEPTANCE

We, the exalted Theta Taus, have heard rumors coming up from the bowels of the earth (where all slimy, crawling, half-living forms of life exist) that the reverted protozoa, sons

of convicts who whisperingly acclaim themselves as Sig Gams, are again getting restless in their half-life, half-dead world. Instead of demanding from these causes of body lice that they elevate themselves through some yet unknown magic form of evolution up to our plane, we, the Theta Tau, take great pity upon them and will condescend to stoop to accept any challenge they may incoherently and unknowingly emit. If, by some great mistake, these nonentities have something resembling as much as a vertebrate and can produce it, we shall lead it by one of its limbs and show it the ways of our modern world on the day of Homecoming.

Signed,

THETA TAUS

EDITOR'S NOTE: According to the chapter letter, Gamma made good its threats.

DE PONTIBUS

A Statically Indeterminate Story

I stood on the bridge at midnight
A simple Pratt-truss span,
And my fingers were held fixed-ended
In the clasp of my love—dear Ann.

And I sighed as I there surveyed her,
My love so passing fair.
While a sportive wind load sudden
Caused tensile stress in her hair.

"Ann, wilt thou walk beside me
'long life's hard-surfaced road?
On my ribs' spiral reinforcement
My heart sets up an impact load."

"Oh Ann, beam thou upon my life
I pray thee do not dim it."
And my joy, when she softly answered
"Yes"

Exceeded the elastic limit.

Author in Hiding

1121 Portland St.
Pittsburgh, Pa.

Dear Brothers:

Because of an increasingly troublesome sinus condition I should like to transfer my home to Southern California if I can find a position there. Will you please enter the following notice in the next edition of THE GEAR.

"Age, 27. Four years experience as chemical engineer in process engineering department of large Petroleum Research Laboratory. A good draftsman. Desires position in a chemical engineering or engineering drafting capacity in Southern California."

Yours in H & T,

WILTON A. OWENS, Nu '34

The GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

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

211 ENGINEERING HALL

IOWA CITY, IOWA

Subscription \$1.00 a Year

Life Subscription \$15.00

VOLUME XXVIII

FALL, 1938

NUMBER 1

THETA TAU'S YEAR

Despite ten years of reading chapter letters and frequent misgivings as to their value, the editors are much pleased with those in this issue. Never, in our memory, has so much spirit, enthusiasm, and activity been apparent in the chapters as we see reported this fall. Some of this must be discounted, of course, but nevertheless, the large pledge groups, the numerous activities, and the enthusiasm depicted in the chapter letters must mean that the fraternity is in a healthy condition this fall. Three very successful regional conferences have been held and reports indicate that all of the delegates received new inspiration from them. We see every indication that this is Theta Tau's year.

LARGEST CIRCULATION

This issue of *THE GEAR* will have the largest circulation any *GEAR* has received. Due to the fact that nearly 600 alumni have sent in *GEAR* subscriptions with directory orders the circulation has jumped to approximately 3000, a figure which approaches one-half the fraternity membership. Inasmuch as the life subscription plan did not go into effect until 1930 this coverage indicates a real interest on the part of the alumni in their fraternity. Even life subscribers must keep us advised of their

correct address—a feat which we now believe to be more difficult than earning a dollar.

This nearly fifty percent coverage indicates more interest than alumni usually manifest toward their school magazines and thus reflects creditably upon the loyalty instilled into the members of the fraternity by the chapters.

THE DIRECTORY

This issue of *THE GEAR* has followed Topsy's formula largely. It "just grew". Because of the enormous amount of work entailed in drumming up addresses of some 6600 Theta Taus Ye Editors and staff have treated this issue as a stepchild. However, many alumni have provided interesting articles and comment.

The directory statistics change daily but at this writing the number of correct addresses received is about 4100. Approximately 400 alumni are completely lost as far as this office is concerned, and about 2100 have received a circular but have not answered, judging from the fact that the circulars have not been returned by the Post Office. It is this latter group who will determine whether or not the directory will be partially or nearly complete.

It is interesting to note that nearly 1200 Theta Taus have sent in advance

orders for the new directory—nearly 30 percent of those who have replied. To the many who have sent cash we will say that individual acknowledgements have not been sent due to the time required and the expense involved in so doing. The directory will serve as an acknowledgement and should it not be received the editors should be notified.

At the present time it is proposed to close the lists at the end of December and print the directory in January. Consequently the book should be in the mail some time in February unless it seems advisable to delay the schedule in order to devote additional time to securing more addresses.

On page 64 is a list of men with whom we have lost contact. Should any reader know the correct address of any of these brothers, he can render Theta Tau a real service by dropping us a card giving this information.

SHOULD AULD ACQUAINTANCE BE FORGOT

Thanks to the campaign for Directory addresses, *THE GEAR* circulation is greatly increased with this issue. Not only did we relocate many life subscribers who have been lost to us for some time because of unreported changed addresses, but also we received a goodly number of term sub-

scriptions from brothers, many of whom have been more or less out of touch with the Fraternity for several years.

To all of you who are thus once again in the fold we want to extend our welcome. We believe you will find *THE GEAR* of today fundamentally the same as of yesteryear, and yet containing some changes which we hope you will agree are improvements. The present brighter, gayer covers lend greater attractiveness to the magazine, and the newer type styles and format increase its readability, in our opinion. Again, in the text we have tried to include more personal write-ups and more news of happenings within the Fraternity than formerly, to the end that the magazine may be more interesting and informative to its readers.

We are hopeful that you will find this old, yet new magazine appealing, and that you will read it regularly to keep yourself advised as to the activities of Theta Taus and the Fraternity. Remember, it comes but twice a year, so you have plenty of time to read each issue and yet the complete reading of each number will require but little of your year's time.

P. S. We are still operating without the services of a clairvoyant, so if you move, think of *THE GEAR* and send us your new address.

Letters

Alabama Power Co.
Decatur, Alabama

Dear Brothers:

Please change my address from Alabama Power Company, Huntsville, Alabama, to Alabama Power Company, Decatur, Alabama, as I am now holding the position of district engineer for this district, which has approximately 7000 customers.

I would like very much to hear from some of my Brothers of the Rho Chapter, 1933. I trust that they are getting along as well as I.

Yours in H & T,

D. M. House, Rho '33

Paging Rho '33's.

Ft. Wm. McKinley
Rizal, P. I.
May 21, 1938

Dear Brothers:

I am certainly glad to see the Theta Tau Directory finally taking concrete form. It is a thing about which much has been said and not much done until now. I have often wished for one over here where I know that there are Theta Taus close by but without some sort of address, they might as well be back in the U. S. A. In the last issue of THE GEAR, I find several letters from brothers in the P. I. and am trying to contact them. Who knows, perhaps there are enough here for a small alumni association. Any assistance in this regard which you can give me by furnishing addresses, will be appreciated.

Yours for a bang-up Directory and continued success of THE GEAR.

In H & T,

JOHN U. ALLEN, Beta '35
2nd Lieut. 14th Engrs.

After trying for eight months to locate and secure replies from some 6500 widely scattered Theta Taus we are beginning to appreciate why there has been more talk than action for the past ten years. The directory is assured now, however, even though the coverage may be 20 to 25 percent short of perfect. Thanks for your co-operation and good wishes.

June 30, 1938

Dear Brothers Mercer and Howe:

Am enclosing a snapshot of the present chapter house for Omega of Theta Tau.

Incidentally, this is the third different house the members have lived in during two academic years. Most of the fellows hope that the last move will be more permanent. It seems to be the nicest house of the three.

Plenty of spare time on my hands right now. I was laid off by American Metal Co. of New Mexico on June 1. The unit there is shutting down for good after 12 years of operation. Depletion of profitable ore reserves and increasingly low metal prices, plus increasing costs, are the main reasons.

Black Hills look as beautiful as ever, although I was in a pretty country there in New Mexico. If you have never been to the Hills you should plan a trip soon. (Sounds as though I were working for the Chamber of Commerce!) Iowa just doesn't compare, I tell you.

Enjoyed the Spring GEAR very much. Each copy put out after a convention only increases my hope to be able soon to attend a convention. The business they get done must be great, but the fun of getting acquainted and all must be swell, too.

Best wishes for future GEARS and for yourselves.

Yours in H & T,

WILL A. BURLISON, Omega '37

The Black Hills scenery, we will admit, is O K, Brother Burlison, but we get more bushels to the acre from ours. Come to a convention sometime where we can argue in peace.

Humble Oil & Ref. Co.
Box 1600
Midland, Texas

Dear Brothers:

After a sweeping tour of Texas to the places where I used to be I finally received your notice of the new directory which is to be sent out. Naturally I want to be one of those on the "Send Me One" list. As it is, I've only run across one Theta Tau down in this part of the southwest. That was Jimmy Neal, also of Gamma Chapter, and who is now with the Texas Company at Crane. (Incidentally Jimmy has just finished revealing a "fast one" that he pulled on his friends—he has been secretly married for the past ten months to Miss Sara Lee Morton, school teacher at Kermit, Texas—and believe me a sweet lil' gal). And outside of the fact that I took unto myself a wife (Virginia Nelson) this oil business for the scouts "just ain't".

Yours in H & T,

HARRY L. BECKMAN, Gamma ex '35

Glad we caught up with you, Brother Beckman. Thanks for the directory order and the news.

Rancagua, Chile, S. A.
c/o Braden Copper Co.
May 21, 1938

Dear Brothers:

I have been in Chile sixteen months and at present am working as level foreman. My contract title is Junior Mining Engineer, but don't let that fool you. This is a particularly large operating mine and opens the doors for any young fellow to learn about large production, efficiency in production, and last but not least—timbering. The difficult part of it all is the language. Some of the men that

come down seem to think it easier to teach the men English rather than learn the Spanish.

I notice that THE GEAR has more pictures in it. I think it a great boon to the magazine. You might put me down as married of January 28, 1937, although I would not swear to the date, but I know that it was a Thursday. Have you an extra 1937 calendar on hand?

Winter has started with a big bang—about four feet of snow. The men are waxing their ski equipment and hope to have a fine year for this sport. We have a variety of sports that can be indulged in, namely, skeet, swimming, mountain climbing, riding, and golf.

I must close now as I think this mountain air is getting me. Here's hoping that Theta Tau has a successful year.

Yours in H & T,
WILLIAM K. CAREY, Omega '36

Must be some elephant blood in you Brother Carey; January 28, 1937, fell on Thursday. The pachyderm never forgets, either, y'know.

Apartado Nacional No. 3
Ibague, Colombia
May 13, 1938

Dear Brothers Mercer and Howe:

During the past few years I have had the pleasure of reading THE GEAR periodically when I dropped in on some brother who was more permanently located than I. Brother Schrader was always a good bet for a chance to see THE GEAR and get a lot of advance news on the movements of old friends.

Several times since 1932 I was about to renew my subscription to THE GEAR, but it seemed that some new move always developed about the same time to delay that until I had a more permanent address. However, the rapidity with which I moved about the country seemed to accelerate until July 1937 when I was transferred from the position of geologist and hydrologist with the T. C.-B. I. A. of the Soil Conservation Service to their reconnaissance unit. During the last seven months of my service with the Government I didn't stop more than three weeks in any one place. My latest move to the position of geologist with the Richmond Petroleum Co. of Colombia is no respite from travel, but merely a variation in the mode of conveyance. Mules to a large extent replace the car which is commonly used in the states, and air travel is commonly used in place of the railway; in fact it is the only satisfactory means of conveyance into parts of this country.

This position has advantages over working for Uncle Sam; one can have a home and

enjoy it occasionally. My wife will join me in Ibague about August 1. Ibague is a nice little city located on the eastern side of the Central Cordillera, at an elevation of about 4200 feet. The climate is temperate and rainfall is moderate. The rapidity with which better buildings and better merchandise appear in this city is remarkable—improvements are of boom proportions.

I am enclosing my check for \$15.00 to cover life subscription to THE GEAR, thus preventing any future lapse in receiving it. When the new Directory you are working on comes out will you kindly send me a copy with bill for the amount due.

L. L. Tabor, Epsilon '26, is also located in Ibague. Larry is in charge of the operations of the Richmond Petroleum Co. in Colombia. Tom Etherington, Epsilon '25, is in charge of geophysical work for the Richmond. Ibague is Tom's permanent address in Colombia, but at present he has his home in Honda. Brother Schrader was kind enough to give me a list of other Theta Taus in Colombia, but I have not had the good fortune of contacting any of them yet.

Yours in H & T,
EDWARD H. ROTT, JR., Epsilon '25

Thanks for the life subscription, the directory order, and the most interesting letters—we hope THE GEAR will interest you as much.

106 E. 1st St.
Dixon, Illinois

Dear Brothers Mercer and Howe:

In the spring GEAR I noted that a directory is to be published. Since that time I have been expecting a directory card of some form to be filled out for this purpose. To date I haven't heard anything from my chapter, but this is not surprising considering the number of times my address has changed since graduation.

Just to bring you up to date, I am enclosing the address form which you include in each issue of THE GEAR. Naturally I would like to have my latest address shown in the directory because I am anxious to keep in touch with my Brothers of Kappa Chapter and the many other Theta Taus I have met.

Last December I was lucky enough to be in Chicago during the Convention. I can truthfully say that I sincerely enjoyed the Convention Banquet and know that it will be a long time before I meet a better bunch of men than I met that night.

Incidentally, with my new address I would like to report that I am employed as a Civil Engineer by C. K. Willett, Consulting Civil

Engineer, of the above address. With me in the office is Brother C. E. Missman, Kappa '32. Between us we handle all the design work for most of the counties and towns in this vicinity. If any of the Brethren should happen through this fair city we'd sure like to have them stop in, and will do our best to entertain them.

If there is any charge for a copy of the directory let me know and I will take care of it at once.

Yours in H & T,
ROBERT H. ANDERSON, Kappa '32

We appreciate your concern over your correct directory listing—wish about 2000 lost Theta Taus felt the same. Advance orders for the new directory are \$1.00; after publication, \$1.50.

174 N. Grove St.
East Orange, N. J.

Dear Brothers Mercer and Howe:

Thank you for following up my chapter's information about the new directory. I can appreciate your activities in its behalf in view of wayward brothers (I hate to stand alone in this charge) like myself, who procrastinate beyond tolerance.

In the near future I hope to contact you again and brag about Rho's soaring popularity at N. C. State.

If convenient please continue your articles on foreign lands. They tend to satisfy the depression-restricted fires that burn within me to also pull a Halliburton,—and untold others perhaps.

Best of luck with the publication of the directory. Sorry I can't enclose a check (only financiers today have that prerogative) but will the enclosed \$1.00 bill suffice?

Yours in H & T,
GEORGE R. KILLAM, Rho '38

It will—and thank you. We will keep pushing for articles on foreign lands. Unfortunately the men abroad

are usually loaded for about 20 of the 24 hours and have a hard time getting around to requests for articles.

Dear "Brothers":

For six years I have been forwarding Brother Albert Pepin's Theta Tau material to him.

I am as anxious as you are to correct his address.

Your consistent plea touches me and I enclose the correction.

Your "sister" in Hammer and Tongs,
CECILIA PEPIN

If we had more "sisters" like Cecilia Pepin the directory would cause fewer gray hairs to sprout on the editors' domes.

Dear Brothers Howe and Mercer:

This seems to be the chance of doing what I have intended for several years, sending \$15.00 to THE GEAR for a life subscription.

I am studying the delta of the Rhone and have been in southern France during most of the Spring. A wind here, the Mistral, is worthy of west Texas, only there aren't any barbed-wire fences between Arles and the North Pole. These "sunny" places, such as France and California, can come in for a good deal of "exceptional" weather. The delta problem is much finer than I expected, however, and I am very happy in the selection of the Rhone.

Yours in H & T,
DICK RUSSELL, Epsilon '19

To Past Grand Regent Russell, who would receive THE GEAR anyway—A BIG HAND! We will want more information on what goes on in "those sunny places" when you get home, Dick.

Letters to the Grand Scribe

A. A. Fitch, Epsilon '32

My contract with Kenya gold mining company finished in March of last year, so I decided to travel home via South Africa, my first idea being to drive from Nairobi to Cape Town; but I was turned back by rain

as these mud roads are completely impassable in the rains. Those Sierra roads were highways by comparison. So I returned to Nairobi from some point in Tanganyika, and travelled to Mombasa, and thence by sea to Beira in Portuguese East Africa, and then by trains to

Salisbury and Bulawayo in Southern Rhodesia, Johannesburg, and Cape Town. In Johannesburg I was offered a good job, but it involved supervising a development program from 7,000 feet down to 10,000 feet underground and that seemed altogether too subterranean to me, though I don't mind going underground.

I got home, had a week or so in London, and then got introduced to some people at the headquarters of the Shell Company. They offered me a job which I took and then I spent a few months at the Hague on the interpretation of air photographs. Finally I have been sent off to Ecuador, but I am putting in some months in Trinidad working out the air survey of the island.

Edward H. Rott, Jr., Epsilon '25

At last I am getting around to other correspondence than that to my wife and mother. There has been little time to spare from work and getting ready for my wife's arrival here. There are certainly a lot of things one must anticipate and prepare for when coming to this country to live for a lengthy period. Not speaking Spanish has been quite a handicap, especially in negotiating for a house here. I have been fortunate though and have secured an excellent house furnished, which relieved me of the problem of securing furniture for at least six months.

I left San Francisco on February 12th and landed in Cristobal, Panama, on the 22nd. I spent five days there, sailing on the 27th for Buenaventura on the west coast and arrived on the afternoon of the 28th just in time to clear customs. The next morning I left Buenaventura by train arriving in Armenia at six in the evening. The company had a car to meet me there and we crossed the Western Cordillera that night, arriving in Ibague at one in the morning. In my rush at Buenaventura I passed up Tabor's wire advising me to take two days for the trip from the coast so missed seeing the country as thoroughly as I might have and had a rather strenuous introduction to travel in Colombia. However, the whole trip was very pleasant and exceedingly interesting. Through Buenaventura is really the best way to enter the interior of Colombia unless you are travelling light and fly in from Baranquilla or have lots of time and want to put up with the inconvenience and discomforts of travelling by boat up the Magdalena to La Dorada, and by train from there to points further inland. Colombia railroad facilities are not the best, but at that you are lucky when you have a railroad to travel on for auto roads are few and far between and in general worse, and a Colombian driver is not one for a nervous person, though they are expert dodgers.

So far I have found Colombia an interesting place and not at all bad to live in. I imagine I have not hit the worse parts yet. So far my work has taken me into comparatively well developed country and there has been little annoyance from insects, difficulty in securing satisfactory food, or water that is safe and palatable after boiling. My principal difficulty with the country is the language. It is slow work learning to understand the natives talk; sometimes embarrassing and always troublesome. During my next trips to the field I hope to learn more Spanish. In Ibague it is easy to neglect Spanish in favor of English. Ibague is a delightful town of 50,000 inhabitants. It has been apparently a very substantial town for hundreds of years. In the few months I have been here changes have been remarkable. Bogota is quite a city but I would not care to live there as it is cold and damp. When I went to Bogota some weeks ago it felt like getting off the train in Reno some snappy morning. My overcoat was very comfortable. The climate at Ibague is more pleasant, never cold and rarely too warm. I have not found this country uncomfortable during the warmest days and the nights are always pleasant. My worry for the next months is whether I can keep warm enough. I expect to cross the Eastern Cordillera and may have to spend some time in the higher parts. I am rather enthused about the trip as it will take me into country only slightly explored, but it may be tough going during the rainy season now on.

The only other Theta Taus I have met are Larry Tabor, Epsilon '26 and Tom Etherington, Epsilon '25. Larry is in charge of the work of the Richmond Petroleum Co. in Colombia. Tom is in charge of the geophysical work for the company and is living in Honda at present. I will probably be in Ibague for at least three years.

Larry asked me to tell you that he will write you a letter soon. I am going to send in a check for a Life Subscription to THE GEAR. I know it will be a big help in keeping in touch with men I always want to remember. I hope that you get out that new Directory soon.

This letter is now continued from San Antonio de Fortasillas, and I have been away in the field for a month and four days and getting farther away from civilization every day. Wednesday we leave the last hacienda on our route. The Senora here just informed me that they were going to have "una sereneta" for us Tuesday and that should be very pleasant. They inform me that ahead we will find one or two abandoned haciendas that have been retaken by the jungle and possibly a few white men who for some reason or other have isolated themselves from the

world. At present I am the only geologist with the party but when we leave our next camp our party will consist of 22 men, including two geologists and an engineer. Pack and saddle mules, of which we have 23 in all, provide our means of transportation and communication with civilization. The trip and the work are interesting and the climate is grand, except that it is a little cool. At this moment I have my suede jacket on and I am still a little cool—a condition I did not anticipate in "the tropics". Our large crew is necessary to open a trail through the jungle. Yesterday I was within two days walking time of the Amazon River watershed. The country is heavily wooded and the under-

growth makes it impossible to go far from the trail without one or two machete men cutting the way. Outcrops are few and generally poor. One does get surprises here. In the house I rented in Ibaguë I have "Mr. Crane's" finest equipment in the bathroom. The color combination is brilliant blue tile with orchid trimmings. Imagine that!

I am glad to have the chance to be with this expedition. Little or nothing is known of the country through which we pass and we have to feel our way along. Kindest regards and best wishes.

EDWARD H. ROTT, JR., Epsilon '25
Apartado Nacional No. 3
Ibaguë, Colombia, S. A.

Additions to Membership

ALPHA

- 430 Frank D. St. Vincent, Hibbing, Minn.
431 Roland C. Meyer, Mankato, Minn.
432 Paul F. Cummings, Sioux Falls, S. D.

BETA

- 432 Paul V. Martin, Laurium, Mich.
433 William B. Jerow, Ironwood, Mich.
434 Thomas C. Bennett, Duluth, Minn.
435 Harold E. Barnum, Lansing, Mich.
436 Richard W. Brotherton, Crystal Falls, Mich.
437 John M. Dobovan, Mount Clemens, Mich.
438 John M. Riordan, North Muskegon, Mich.
439 Arthur J. Klenner, Houghton, Mich.
440 Arthur H. Hoffman, Cleveland, Ohio
441 Harry C. Finley, Albion, Mich.
442 William Bergman, Bark River, Mich.
443 Roger Shanahan, Escanaba, Mich.
444 Earl Reinsch, Detroit, Mich.
445 John C. Wills, Grosse Pointe, Mich.

DELTA

- 401 Ray E. Bolz, Shaker Heights, Ohio
402 Robbins R. Bosworth, Cleveland, Ohio
403 George P. Chapman, East Cleveland, Ohio
404 Frank P. Converse, Jr., Cleveland Heights, Ohio
405 James W. Fitzwilliam, Cleveland Heights, Ohio
406 Karl G. Henrikson, Cleveland Heights, Ohio
407 Robert F. Hodgson, Chagrin Falls, Ohio
408 Donald F. Horsburgh, Cleveland, Ohio
409 John F. Lawler, Cleveland, Ohio
410 Bert E. Mansell, Cleveland Heights, Ohio
411 Harvey E. Neville, Shaker Heights, Ohio
412 Edward G. Pekarek, Garfield Heights, Ohio
413 Richard F. Warner, Shaker Heights, Ohio

EPSILON

- 452 Rudolph E. Fuetterer, Oakland, Calif.
453 Ben Gumpert, Oxnard, Calif.
454 George Jung, San Francisco, Calif.
455 Robert W. Ravenscroft, Long Beach, Calif.
456 Lorenz Waldthausen, Jr., Los Angeles, Calif.
457 Jack Harding, Berkeley, Calif.
458 George J. Barnett, Cowell, Calif.
459 Carlton Condit, Oakland, Calif.
460 Charles E. Larson, Pasadena, Calif.
461 Grant W. Metzger, Fresno, Calif.
462 Chester M. Gibson, Long Beach, Calif.
463 Oliver E. Bowen, Jr., Pasadena, Calif.

ZETA

- 370 Axel W. Anderson, Jr., Iola, Kansas
371 Donald A. Barnett, Olatho, Kansas
372 Charles M. Grant, Jr., Topeka, Kansas
373 Herman Janzen, Los Angeles, Calif.
374 Samuel L. McKinney, Hamilton, Kansas
375 John Proctor Ritchie, Wichita, Kansas
376 George W. Russell, Jr., Wichita, Kansas
377 Louis P. Smithmeyer, Topeka, Kansas
378 Martin K. Thomen, Jr., Orange, Texas
379 Frederick A. Thudium, Jr., Baldwin, Kansas
380 Francis M. Veatch, Jr., Kansas City, Mo.
381 James E. Busher, Kansas City, Mo.
382 John E. C. Elliot, Coffeyville, Kansas
383 Donald L. Flanders, Ellsworth, Kansas
384 Leo H. Johnstone, Bartlesville, Okla.
385 George H. Larson, Lindsborg, Kansas
386 J. Marshall Nye, Wichita, Kansas
387 Lyle L. Paxson, Burr Oak, Kansas
388 Hale D. Ritchie, Wichita, Kansas
389 Harvey S. Steele, Sabetha, Kansas
390 Harold I. Taylor, Jr., Kansas City, Mo.
391 Kenneth W. Willey, Eureka, Kansas
392 Clarence W. Witt, Wichita, Kansas

- 393 Vernon A. May, Longton, Kansas
 394 Alvin L. Barnett, Olache, Kansas
 395 Raymond Napier, New York City
 396 Francis N. Thudium, Baldwin, Kansas

THETA

- 248 Leroy E. Euvrard, West Cornwall, Conn.
 249 Paul Checkovich, Jr., Amityville, N. Y.
 250 Harris A. Clay, Tulsa, Okla.
 251 Charles D. Preusch, Elmhurst, N. Y.
 252 Philip B. R. Baas, Jr., Brooklyn, N. Y.
 253 William K. Bernius, Inwood, N. Y.

IOTA

- 364 Lawrence E. Lambelet, Cuba, Mo.
 365 Guy Brown, Jr., La Grange, Ill.
 366 Ray E. Hoffman, Jr., Hannibal, Mo.
 367 Robert G. Livingston, Cedar Hill, Mo.
 368 Eugene L. Olcott, Webster Groves, Mo.
 369 Albert L. Tetley, Sikeston, Mo.
 370 Irvin E. Shanfield, University City, Mo.
 371 Clarence L. G. Baumann, University City, Mo.

KAPPA

- 453 Albert R. Starr, Peoria, Ill.
 454 Kenneth Leutwiler, University City, Mo.
 455 Edward C. Heubach, Chicago, Ill.

LAMBDA

- 384 William R. Mahoney, Salt Lake City, Utah
 385 Delmer A. Berg, Salt Lake City, Utah
 386 John G. McQuarrie, Salt Lake City, Utah
 387 George R. Sloan, Salt Lake City, Utah
 388 George B. Standiford, Fruita, Colo.
 389 Louis F. Bonzal, Price, Utah
 390 Thomas L. Wilson, Salt Lake City, Utah
 391 Farrel Alsop, Tooele, Utah
 392 Ernest F. Wall, Ogden, Utah
 393 Justin S. Blickensderfer, Salt Lake City, Utah
 394 DeVoe M. Woolf, Salt Lake City, Utah
 395 Donald C. Worden, Salt Lake City, Utah
 396 Frederick D. Cortner, Ogden, Utah
 397 Alexander C. McMaster, Chicago, Illinois

MU

- 237 William C. Merrill, Jr., Westport, Conn.
 238 William Sute, Foley, Ala.
 239 Ellsworth A. Kehoe, Rochester, N. Y.
 240 William D. Wersen, Argyle, N. Y.
 241 Frank M. Scantlebury, Jr., Mountaintown, N. Y.
 242 Lorin B. Sereen, East Hartford, Conn.
 243 William H. Runge, Jr., Gautt's Quarry, Ala.
 244 James C. Butler, Huntsville, Ala.

NU

- 305 Joseph H. Field, Pittsburgh, Pa.
 306 Joseph J. Link, Emsworth, Pa.
 307 David Y. Liversidge, Carnegie, Pa.

- 308 Morris W. Peterson, Ely, Minn.
 309 Thomas E. Ralston, Wilkinsburg, Pa.
 310 Paul W. Ramsey, Wilkinsburg, Pa.
 311 Arthur E. Snowden, Pittsburgh, Pa.
 312 Leo T. Lawler, Pittsburgh, Pa.
 313 Willis M. Anthony, Pittsburgh, Pa.

OMICRON

- 230 John C. Postlewait, North Henderson, Ill.
 231 Robert D. Arnold, Shrub Oak, N. Y.
 232 John F. Deters, Rock Rapids, Iowa
 233 George C. Fewson, Clarinda, Iowa
 234 Royal H. Wier, Macomb, Ill.

PI

- 218
 219 Frank E. Hartman, Washington, D. C.

RHO

- 204 Henry B. Smith, New Bern, N. C.
 205 John C. Sloan, Jr., Portsmouth, Va.
 206 Sidney D. Rogers, Wilmington, N. C.
 207 Hubert L. Morgan, Jr., Canton, N. C.
 208 Charles L. Woody, Spruce Pine, N. C.
 209 William A. Edwards, Jr., Princeton, N. C.
 210 Robert F. X. Anton, Portsmouth, Va.
 211 Charles M. Sturkey, Jr., Bryan, Ohio
 212 Glenn E. Yount, Bewton, N. C.
 213 George W. Snyder, Wadesboro, N. C.
 214 Brady J. Bell, Jr., Greenville, N. C.
 215 Henry N. Cyrus, Rocky Mount, N. C.
 216 Louis H. Ashbury, Jr., Charlotte, N. C.
 217 Wythe B. Weathers, Fayetteville, N. C.
 218 Herbert S. Whitley, Williamston, N. C.
 219 Bruce A. Hildebrand, Lincolnton, N. C.
 220 Robert S. Blackwood, South Portland, Me.
 221 Millard S. Hayworth, Asheboro, N. C.
 222 Sam W. Turner, Raleigh, N. C.
 223 Theodore M. Kolarik, Pittsburgh, Pa.
 224 Robert L. Wicker, Sanford, N. C.
 225 Frank O. Truslow, Draper, N. C.
 226 Kenneth V. Chace, Achushnet, Mass.
 227 Edward P. Davidson, Murphy, N. C.
 228 Thomas H. Blount, Jr., Washington, N. C.
 229 Charles N. Moore, Washington, N. C.
 230 Percival P. Gregg, Florence, S. C.
 231 James B. Hathaway, Sunbury, N. C.
 232 George S. Achorn, Danielson, Conn.
 233 James B. Lasley, Greensboro, N. C.
 234 Eldred O. Randolph, Jr., Morgantown, N. C.

SIGMA

- 209 Simon P. Bonta, Canton, Ohio
 210 John A. McFee, Lancaster, Ohio
 211 James F. Brown, Jr., Cleveland, Ohio
 212 Paul H. Bowen, Londonville, Ohio
 213 Gerard C. Gams, Columbus, Ohio
 214 Seymour K. Browne, Andover, Ohio
 215 William L. Nungesser, Cleveland, Ohio

- 216 Robert H. Detwiler, Columbiana, Ohio
 217 Cletus J. Oster, Bay Village, Ohio
 218 Paul J. Rhoads, Van Wert, Ohio
 219 George H. Gibb, Morral, Ohio

TAU

- 194 Willard R. Gillespie, Hallstead, Pa.
 195 Donald A. Brush, Webster, N. Y.
 196 Manford D. Clayton, Corinth, N. Y.
 197 Robert B. Fogelsonger, Clarence Center, N. Y.
 198 John B. Horrocks, Syracuse, N. Y.
 199 William N. Cole, Buffalo, N. Y.
 200 Thaddeus Green, West Oneonta, N. Y.
 201 Robert J. Herzog, Syracuse, N. Y.

UPSILON

- 119 Robert T. Martin, Augusta, Ark.
 120 Clyde W. Wooten, Helena, Ark.
 121 James W. Slayden, Tuckerman, Ark.
 122 Riley B. Lane, Little Rock, Ark.
 123 Ben B. Johnstone, Fort Smith, Ark.
 124 Bruce M. Menees, Quitman, Ark.
 125 Richard A. Graham, Memphis, Tenn.
 126 Frank W. Lewis, Fayetteville, Ark.
 127 Richard B. Bullock, Newport, Ark.
 128 Norman L. Smith, Jr., Collingswood, N. J.
 129 Thomas A. Thompson, El Dorado, Ark.
 130 David M. Muir, Winslow, Ark.
 131 Vieth V. Fletcher, Bauxite, Ark.
 132 Joseph P. Randolph, Jr., Fayetteville, Ark.

PHI

- 145 Percy W. Thompson, Hammond, Ind.
 146 Harry W. Heinrich, Chicago, Ill.
 147 Philip R. Jordan, Jr., Mishawaka, Ind.
 148 Robert J. Wente, Hamilton, Ohio
 149 George G. Ference, Whiting, Ind.
 150 Fred R. Mentzer, Mishawaka, Ind.
 151 Walter E. McMillen, Hammond, Ind.
 152 William E. Scherrer, Mishawaka, Ind.
 153 Kenneth R. Crouch, Decatur, Ill.
 154 Edward W. Sykes, Cicero, Ill.

CHI

- 150 Carl Berra, Morenci, Ariz.
 151 Charles Nicholas, Globe, Ariz.
 152 LaMont West, Tucson, Ariz.
 153 Jay Medford, Aledo, Ill.
 154 John R. Kerr, Phoenix, Ariz.
 155 Tom L. Rittenhouse, Williams, Ariz.
 156 Willis J. Alborg, Phoenix, Ariz.
 157 Robert P. Hughes, Miami, Ariz.
 158 David H. Orr, Jr., Mammoth, Ariz.
 159 John F. Rauscher, Tucson, Ariz.

PSI

- 89 Matthew E. Gooding, St. Philip, Barbados, B. W. I.
 90 Thomas Jancic, Jr., Roundup, Mont.
 91 Donald Q. Cole, Butte, Mont.
 92 Kenneth L. M. Dodd, Greenwood, S. C.
 93 Stanley E. Kappel, Sicamous, B. C., Canada
 94 John H. Huxley, Lewistown, Mont.
 95 Edgar D. Barnes, Helena, Mont.
 96 K. D. Loughridge, Helena, Mont.
 97 Thor W. Johnson, Anaconda, Mont.
 98 Clarence H. Toensing, St. Paul, Minn.
 99 William Mitchell, Butte, Montana

OMEGA

- 114 John Andrews, Lead, S. D.
 115 James Norman, Black Hawk, S. D.
 116 Robert H. Lubker, Sioux Falls, S. D.
 117 William A. Kingsbury, Vaw, S. D.
 118 Lowell A. Schuknecht, Chancellor, S. D.
 119 Norman G. Flaigg, Hoover, S. D.
 120 Edward L. Mazourek, Rapid City, S. D.
 121 Clair C. Crawford, Alpena, S. D.
 122 James E. Stevens, Mitchell, S. D.
 123 Albert A. Gallo, Lead, S. D.
 124 James R. Goldsmith, Sioux Falls, S. D.

GAMMA BETA

- 76 Guy B. Watson, Jr., Washington, D. C.
 77 Allan N. Hallberg, Washington, D. C.
 78 Robert W. Beatty, Glenn Dale, Md.

It's bend rumored in some channels
 that Hydraulics is a pipe course, but
 it's very disturbin to be so weiry and
 still have to get a head.

On the Iron Ranges they tell a
 story about the hard rock in the mines.
 "The Soudan formation is so hard in
 places that at the end of an eight hour
 shift one man is left behind to put his
 finger on the spot so the next shift
 can find the drill mark."

Up to this time our averages are
 under water, that is, below C level.

Where's our Nellie?

Our Nellie's in them thy'ar hills.
 But thy'ars ba'rs in them thy'ar hills!
 That's all right, our Nellie rides a bike
 —she can handlebars!

We still claim that a ventilating
 engineer makes the best draftsman.

Extract from a freshman theme:
 (Technical Description) "Rubbers are
 something which if your feet are dry
 you haven't walked in the mud with-
 out."

—Minnesota Techno-Log

Letters From the Chapters

Alpha About as Anemic as That Minnesota Football Team



Since Alpha's last epistle to THE GEAR much has transpired. Spring saw the initiation of Frank St. Vincent and Roland Meyer into the ranks of Theta Tau. Brother St. Vincent is a veteran at the center post on the University of Minnesota varsity hockey squad. Brother Meyer has distinguished himself scholastically, to which his election to both Tau Beta Pi and Pi Tau Sigma bears eloquent testimony. Honors also came to a graduating brother, Lloyd Lewis, who was made recipient of the



Pledges Meyer and St. Vincent led a dog's life

Andrew's Scholarship as well as election to Sigma Xi. Brother Scott, also a Tau Beta Pi, accepted a Bureau of Mines Scholarship at Tuscaloosa, Alabama.

Alpha was literally dragged into politics during the spring elections when Brother Troxell tossed his hat into the political ring and sought election to the All-University Council. His search for adherents became so diligent that he earned the soubriquet of "Vote-for-me" Troxell. His efforts were not in vain, however, for he found himself possessor of the coveted council position when the balloting was over.

Engineers' Day found Alpha cheerfully participating and making it one of the most successful ever held at Minnesota. Brother Troxell managed the Engineering Open Houses in collaboration with Brother Larson—some

6,000 visitors attested to their vigorous efforts. Brother Meyer's Mechanical Open House was so crowded with souvenir hunters that it resembled the Gayety Burlesque on Homecoming night. The financial success of Engineers' Day still has the Engineering faculty agog with admiration for the efficient management.

Spring athletics, as far as Theta Tau was concerned, was limited chiefly to baseball. The house team, meeting stiff opposition, came through to win the first four games. But with the departure of Brother St. Vincent, Alpha's stellar pitcher, and a contingent of other miners for spring field work, baseball interest waned and Alpha found itself second best. Prospects for next spring are very bright and already a place has been assigned the trophy-to-be on the mantel with other tokens of past athletic prowess.

Social activities centered around the annual Spring Formal held at the Westwood Hills Golf Club. This was a highly successful affair save that "Do not practice on the lawn" signs were quite successful in dampening the ardor of some of our brethren. Later in the quarter the aeronautical faction held a social get-together in the chapter house—an occasion for spirited and frequent toasts judging from the pile of broken glasses in the fireplace the next morning.

Fourteen sturdy souls braved the chill wind and rain and set out on the afternoon of the seventh of May in a chartered bus enroute to Taylors Falls. This was the start of the annual spring canoe trip initiated by Alpha several years ago. Arriving at Taylors Falls the intrepid band found the drizzle still very much of a drizzle, the St. Croix River at flood stage and tearing through the narrows. To make matters worse, the canoes were found beached on one side of the torrent and the equipment on the other! However, the paraphernalia was soon ferried across, but only after Brothers Ohman and Boyum capsized and were hung before the fire to dry. Here they were soon joined by the occupants of Brother Nygren's canoe who had met the same fate. The troubles of the day were soon forgotten in the enjoyment of the pleasures of the evening at the dance at Poplar Lake. Brother Boyum spent the evening frantically taking flash shots of the proceedings there (blackmail?) only to find out later



that his aquatic catastrophe had rendered his camera ineffective. After a night spent in a shelter (?) built by the CCC, the thirty-odd miles down the river to Stillwater were made without mishap. The bus was waiting at the dock and the voyageurs were soon on their way home. The end of school saw the chapter scattered here and there for the summer vacation.

This fall finds sixteen members in the active chapter and five pledges. The officers are: Harry A. Larson, Regent; Donald R. Johnson, Vice-Regent; Reino A. Ranta, Scribe; Millard A. Troxell, Treasurer; Donald Duncanson, Corresponding Secretary; Burton Boyum, Marshal; Ralph McMillen, Inner Guard; and Richard Coulston, Outer Guard.

Brothers Larson, Troxell, and Boyum are frequent contributors to the *Minnesota Technologist*, student engineering magazine. Alpha's "straight shooter" is Brother Lischeid, member of the varsity rifle team. "Twirler" Brother Geraci is a gymnast of no mean ability. A member of the freshman squad last year, he hopes to make the varsity this year. Winning the All-U wrestling title in his division a year ago, Brother McMillen may seek a berth on the varsity wrestling squad this season. Brother McMillen also supports the Minnesota concert band with his hearty "oompahs" on the bass horn. Minnesota football is represented in the pledge roster by

Pledge Sy Johnson, a member of the varsity football squad.

The Founders' Day banquet at the Andrews Hotel brought old and new brothers together in hearty good fellowship. The banquet featured Brother Ed Young as toastmaster and Brothers Rudy Hanson, James Colvin, Maurice H. Hewitt ('14), Charles Britzius, and Harry Larson as speakers. Despite the fact that it was Homecoming Eve, there were sixty members present at the gathering.

An intensive rushing campaign is just getting way at Alpha. At a recent smoker the chapter had the pleasure of hearing Dr. J. W. Gruner of the Department of Mineralogy speak on his experiences abroad. The occasion was one of special interest to the several camera fans since the speaker illustrated his talk with excellent snapshots taken on color film. The number and caliber of the prospective pledges has been very encouraging and Alpha hopes soon to raise its membership.

The chapter house has been renovated; the interior has been repapered; the heating plant has been repaired and an automatic oil burner installed. Social activities at the house will be strengthened through the purchase of a new radio for the parlor. We hope all of these things are a sign of better times ahead for Alpha.

REINO A. RANTA, Scribe
October 29, 1938

Beta Dolls Up Its Property



Graduation was kind to Beta Chapter this year in taking only a few of our members. We are starting the year with 36 actives and 7 pledges. However, the membership has changed considerably since our last report to THE GEAR. Our new members are:

William Jerow, Paul Martin, Harold Barnum, Thomas Bennett, Richard Brotherton, John Dobovan, William Bergman, Roger Shanahan, Earl Reinsch, Harry Finley, Arthur Klenner, Arthur Hoffman, and John Wills. The pledges are: Robert Gribble, Roy Lanham, Donald Baker, Wesley Mobery, John Green, Harry Crawford, and John Wohlen.

Brothers Hoffman, Wills, Barry, and Johnson were unable to return to school, but

Brothers Turner and Cummings unexpectedly returned.

Brother Klepetko is attending the Montana School of Mines and has reported that the members of Psi Chapter have made him feel right at home.

The members of Beta Chapter were hardly able to recognize the chapter house when they returned this fall. During the summer the house was painted and shingled, and the porch so long desired by our house mother, Mrs. Harrington, was added to the rear of the house. The Brothers were so pepped up over the outside appearance that when the dust finally settled, almost all the rooms of the house had been redecorated.

This year the fate of Beta Chapter is in the hands of the following men: Tom Watson, Regent; Ronald Campbell, Vice-Regent; Harry Carson, Steward; Norman Mobery, Treasurer; Arthur Eklund, Scribe; and Robert Polderman, Corresponding Secretary.

Our activities this fall have consisted of a Founders' Day Banquet and a party "to show off the house improvements." At the banquet Brothers Potter and Duggan outlined the history of the chapter from the beginning to the present time. It is sufficient to say of the party that it served its purpose and everyone agrees that it was one of the best.

Every campus activity finds some member of Beta Chapter taking an active part. It is expected that sports will be one of the major activities of the chapter this year. In football we are represented by Brother Jerow and Pledge Lanham, who slaved on the field of battle; and Brothers Jupfer and Raitzer who were manager and assistant manager respectively. Although intramural sports have just gotten under way Brother Jerow, who is in charge, is confident that we will be high in the race for the intramural trophy.

Our members hold a strong position in the local chapter of the national military fraternity, Tau Nu Tau, with Brothers William Martin and Clark Olson holding the offices of president and treasurer, and Brothers Hupfer,

Dobovan, Turner, Krohn, and Paul Klenner active members.

Brother Mobery still is our only representative in the elusive Tau Beta Pi. However, several other members are expectantly awaiting the fall announcements of membership.

The Blue Key Fraternity, which is reserved for the leaders on the campus, has recognized Brothers Eklund, William Martin, Mobery, Saunders, Olson, and Dobovan as having the required qualifications. Brother Eklund as chairman of the Winter Carnival committee is charged with the responsibility of making this outstanding event bigger and better than before.

The name of Brother Eklund again pops up when we look for the number one man in the journalistic field. He holds the position of Editor-in-Chief of the Tech newspaper, *The Lode*. He is ably assisted by Brothers Campbell, Andrew, and Arthur Klenner who are business manager, managing editor, and advertising manager.

The musical members of the house are Brothers Mobery, Swank, and Polderman who play in the band and are members of the band fraternity, Tri Beta. Brothers Mobery, Olson, and Raitzer sing in the glee club. Other members claim talent along this line—but the rest of us object.

The students have called upon our members to aid in administering student affairs. Brother Mobery is secretary of the student organization; Brothers Andrew, Kievit, and Van Effen are officers of the Junior Class; and Brothers Finley and Arthur Klenner are big shots in the Sophomore class.

Besides this great variety of activities most of our members are active in one of the numerous honorary engineering fraternities and technical societies.

We of Beta Chapter are looking forward to an outstanding year and we hope that the other chapters of Theta Tau have similar prospects.

ROBERT POLDERMAN, Corres. Sec'y
October 31, 1938

Gamma Pledges Develop Pants Retrievers on Mines Campus

GOLDEN
COLORADO

Gamma Chapter failed to get a chapter letter into the 1938 Spring issue of *THE GEAR* under the deadline, and since then has received several interesting letters from members of the Grand Council. Consequently, members of Gamma got their heads together

and a corresponding secretary was appointed to prevent such an incident occurring again.

The pictures of the fancy dressed individuals were taken on Theta Tau day last March 3, 1938. The important looking individual wielding the paddle is Regent Jenkin. This is the day the pledges instill fear in all members of the student body that roam the campus during the morning activities. After

waking everyone on the campus about two hours before the usual time the pledges dress as the picture depicts and roam the campus all morning. Any member of the student body that seems to be hanging around staring gets a little surprise and finds himself climbing a tree to retrieve his pants.

On March 4 the spring initiation was held at Hillcrest Inn in Morrison, Colorado. All of the active members were present including Professor M. I. Signer and one alumnus, Louis Bartholomews, '32. At this initiation fourteen pledges became actives. They were: Oscar W. Carlson, A. W. Warren, Schuyler A. Herres, Jack D. Powers, Ralph G. Finlay, Arthur O. Detmar, Lewis D. Anderson, Herbert E. Treichler, Jr., Donald H. Dowlin, Walter Patty, John G. Craig, George H. Gilson, Fred A. Karns, and Allen S. Crowley.

After the initiation ceremonies there was a chicken dinner ready and waiting. After dinner everyone retreated to Denver and returned with dates for the dance which lasted until everyone was ready to go home.

Gamma Chapter lost twelve men through graduation last May. Those with a mining degree were: Brothers Estabrooks, Hundhausen, Jenkin, Marshall, Moulton, and Strain. Those with petroleum production degrees were: Brothers Bremkamp, Crouch, Scanlon, and Tarr. Engineer of Metallurgy was Brother Weinig, and the Geologist was Brother McCutchan.

Brothers Jenkin and Marshall received honorable mention for the prize offered by the Colorado Engineering Council for excellence in scholarship, high integrity, and general engineering ability.

Brother Marshall also won the Brunton Transit for meritorious work in Mining Engineering.

Brother Bremkamp won the Officer's saber for being the battalion commander of the R. O. T. C. unit at Mines.

In the sports field the championship swimming team lost the services of Brother Jenkin, co-captain in his last year. The basketball team lost Brother Scanlon, the golf team lost Brother Crouch, and the track team lost Brother Hundhausen.

This year Brothers Anderson, Crowley, Flynn, and McDonald, and pledges Thornton and Katzenstein are all members of the regular football team and they all have played a winning brand of football so far this season.

In the spring elections many Theta Taus were elected to other offices in other organizations. Jimmie Mills is Regent of Theta Tau and President of the student body; Charles DeLong is Vice-Regent of Theta Tau, President of Blue Key, and House Manager for the S. A. E. general fraternity; Don Dowlin is Scribe of Theta Tau, President of the Junior

Class, and Lt. Commander of the S. N. fraternity; Don Salisbury is Treasurer of the student body, and house manager of the A. T. O. general fraternity; Harley McDonald is Secretary of the athletic board; Allen Crowley is President of the M Club; Herbert Treichler is Commander of the S. N. general fraternity; Charles Redmon is House Manager of the S. N. fraternity; Schuyler Herres is President of the Beta Theta Pi general fraternity; Arthur Detmar is President of the A. T. O. general fraternity; Herbert Thornton (pledge) is Scribe of the A. T. O. fraternity; and A. W. Warren is Corresponding Secretary for Theta



Pledges having fun

Tau and student Treasurer for Kappa Kappa Psi, honorary musical fraternity for band members.

The following brothers are in honorary fraternities on the campus: Tau Beta Pi; Detmar; Blue Key: DeLong, Herres, Madebach, and Mills; Scabbard and Blade: Madebach and McDonald; Press Club: Anderson, L. D.; M Club: Anderson, L. D., Crowley, Dye, Karns, McDonald, Redmon, Salisbury, Flynn, and Yeager; Kappa Kappa Psi: Warren.

October 15, the 34th anniversary of Theta Tau, was Homecoming day at Golden and the following were present: Marshall, '38; Gill, '36; Hofmann, '35; Turchan, '35; Lay, '35; Schmitt, '35; Zadra, '32; Brierly, '32; and Robinson, '30. The day was quite a

success with Mines defeating New Mexico Normal 60-7. Between halves it has always been the custom for Theta Tau and our rival on the campus, Sigma Gamma Epsilon, to meet on the battlefield. This year a mucking contest was the attraction. Theta Taus won hands down with honors going to Brother Powers who wielded the muck stick. The day was climaxed with a dance in the evening given by the M Club.

The present officers are: Jimmie Mills, Regent; Charles DeLong, Vice-Regent; Donald H. Dowlin, Scribe; C. Mac Dye, Treasurer;

George H. Gilson, Marshal; Charles Redmon, Inner Guard; Schuyler A. Herres, Outer Guard; and A. W. Warren, Corresponding Secretary.

Gamma Chapter has a few alumni debts which it is trying to collect. All of this money will be placed in the Tomb Fund which is growing quite steadily.

We now have 23 actives and 4 pledges in Gamma Chapter. At the next meeting the names of additional pledges will be discussed.

A. W. WARREN, Corresponding Secretary
October 24, 1938

Zeta Men Admit They Can Pick 'em

LAWRENCE KANSAS

Zeta started the year with a handful of only thirty actives and fourteen pledges. Nine of these pledges were initiated October 23. These include the following men: Vincent Bethman, J. B. Waid, Carl Rollert, Kenneth Rosebush, Robert Paulette, Sam Forsyth, George Bunn, and Dean Lemon.

Formal initiation was followed by the twenty-seventh annual Founders' Day Banquet which was held in the Memorial Union Building.

Zeta, at present, has only five pledges so she is in the midst of a strenuous pledging campaign. It began with our annual Freshman Smoker which was a huge success. Glenn Cunningham, Kansas University's famous miler, was the guest speaker.

Before going any further, Zeta challenges all twenty-two chapters to a game of touch football. In all fairness to you we might add that Zeta is undefeated and her goal line has never been crossed. Consequently our prospects in intramural sports are indeed encouraging.

Gentlemen, have you ever seen the fifty most beautiful women in all the world assembled in one room? Well, we have seen

them and it was our honor to escort them all to our fall formal, held at the Union Ball Room, October 29. The party was attended by a sizable number of alumni and a grand time was had by all.

A few weeks ago we sent a delegation to Kansas City to purchase some new furniture for the house. When they returned they had forgotten what they had just bought and to be truthful had no idea what it looked like. Since it only cost us about \$300.00 no one worried much about the matter. However, when it arrived, we were all pleasantly surprised.

Theta Taus' members hold most of the major offices in the student engineering societies. Tau Beta Pi elected three more of our men into their fold. They are Montgomery Veatch, Proctor Ritchie, and Clifford Willis.

Lester Haug, one of our most outstanding members, was elected president of the Engineering Student Council.

At present we are busy working on our float for the Homecoming celebration, and if we win first prize as we did last year, you will certainly hear about it in the next issue of THE GEAR.

STANLEY BLOOM

October 31, 1938

Theta Has a New Crop of Potent Nicknames



Theta was particularly hard hit by graduation, losing eighteen of last year's twenty-seven active members. In spite of that fact Theta will soon be a larger chapter than last year. We expect to have an extremely lively year with a multitude of promising pledges (exact number

yet unknown) and the tried and true nine actives. Six of the nine present members and five of the pledges to be initiated November 5th were elected last spring. The six include Philip B. R. Baas, William K. Bernius, Paul Checkovich, Jr., H. Aubrey Clay, LeRoy E. Euvsard, and Charles D. Preusch.

Theta has a very able leader this year. Victor W. J. (Francis-screwball) Franceschini is that especially likeable fellow that we are

proud to call our Regent. At present he has to "take it" (and does) because of his unsplendable name, his spoonerisms and his wife. Nancy is the wonderful girl who recently set a precedent by accompanying the delegate to the regional conference at Pi Chapter. Vic is a member of Student Council and is the driving force behind the Dumbbells Society.

Joseph H. Walter, Vice-Regent, is the fellow whose official duties in many extra-curricular activities contribute to keeping him awake nights and almost asleep in class. President of Tau Beta Pi, Treasurer of Student Council, Vice-President of the School of Mines Society, member of Epsilon Chi, the honorary electrochemical society, Dolphins Society, former swimmer, and player-manager of the University Orchestra, Joe is beginning to wonder whether he will ever do any school work in this, his sixth year at Columbia.

Henry P. Ozimek, Treasurer, has the job that can make any ordinary man unpopular, but nobody can dislike Hank. He is a former Student Council member and is now a Dumbbell and Vice-President of the student A. I. Ch. E. Chapter.

Theta now has the most efficient "minute-taker" in recent history of the chapter in the person of Philip Baas, Scribe. Phil was the 1937 crew captain but now the tough M. E. department tends to the job of keeping him busy.

Charles D. Preusch, Corresponding Secretary, is an expert photographer and takes most of the year-book pictures of the underclassmen. Active in the School of Mines Society

Charlie's social life revolves about Barnard College.

The other actives are also all individually interesting. Bill Bernius is another former varsity crew man. Paul Checkovich is the second of what seems to be a steady stream of that name. Past Regent Andy Checkovich started the procession. Paul in his own right is secretary of the Student Council. Aubrey Clay ("One Hour Late") is the A. I. Ch. E. president and hails from Tulsa, Oklahoma. Theta is greatly indebted to Iota for sending us Bill (Williepus) Busch, a swell fellow in every way.

Since the last report to THE GEAR, Theta has had some wonderful social times. Theta Tau dances in the Harrington Room have earned the reputation of being the best closed dances on the campus. We expect them to grow bigger and better than ever this year. Before commencement last year the chapter held a joint picnic with the Dumbbells Society. Your correspondent found no food at the picnic but there were soft-balls, bats and beer aplenty. These are annual affairs and top everything for good wholesome fun.

Brothers Franceschini, Clay and Walter recently attended the regional conference at Pi Chapter and were shown the time of their lives. The inspiration received by them there made them enthusiastically outline an ambitious program for the coming year, one that will undoubtedly be carried out.

JOSEPH H. WALTER, Vice-Regent

October 28, 1938

Iota Has Neat Rushing Plan



The last school year closed with the annual dance and formal initiation of seven pledges who were: Bob Livingston, Guy Brown, Gene Olcott, Clarence Bauman, Irvin Shanfield, Lawrence Lambelet, and Ray Hoffman.

With W. F. Oberbeck serving as Regent and A. E. Rhodes as Vice-Regent, Iota has pledged 19 sophomores and upperclassmen. Ever trying to pledge men who all of the brothers know will make good Theta Taus, Iota has tried an unusual plan. The conventional smoker and doughnut session was held first, and about 50 prospective pledges attended. Next, each prospect was given a list of actives and instructed to go to each, having a chat with him, and obtain his signature.

Interesting and pertinent facts were brought in these "chats."

Result was a fine bunch of pledges: Robert Boyd, Arthur Brune, Kenneth Hardine, Nathan Jaffe, Kenneth Kyle, Jennings Lambeth, Jack Markley, Ernest Perry, Theodore Planje, Marvin Pingel, Vernon Rieke, Bob Sexton, Harvey Stevens, Herbert Sturges, Donald Trisch, Armin Tucker, Norman Tucker, Harold Wampler, and John McAnerney.

William Smothers, Joe Rakaskas, and Bill Dickman, pledges of last semester will receive their formal initiation with this group on November 11. A pledge dance will follow the initiation.

Before long Iota aspires to have a chapter house.

GENE OLCOTT, Corresponding Secretary

October 27, 1938

Lambda Is Host to Western Conference



enthusiastic endorsement of such meetings.

Lambda Chapter now has a new set of officers: Ray Morgan is Regent; Fred Harris, Vice-Regent; Vance McNeilly, Treasurer, and Dean Winstead, Scribe. Lambda has twenty-four actives to date, and about nine pledges who will be initiated November 5th or 6th.

Last spring, on the day we were having our annual spring formal, Troxel and Larsen of Alpha Chapter visited us. They went to the party and a good time was had by all. Last Wednesday night, October 26, we held a

Lambda's big activity of the year was acting as host to the first regional meeting of the western chapters. An account of this meeting appears elsewhere in THE GEAR, but Lambda wants to go on record for an

rush party in the game room of the Union Building and active Robert Sewell endeavored to take a picture of the group.

FRANK WALL,
Corresponding Secretary

October 28, 1938



Nu Book List Grows More Popular



the same. Brother Henderson gets the honor of leading the grand parade at the Military Ball with Miss Varsity of Carnegie Tech—a very enviable honor, indeed. Brother Bauman will also be found at the Military Ball with a beauty queen deluxe. Charles D. Henderson is a member of the Carnegie Tech Soccer

Nu Chapter of Theta Tau has just finished its preliminary interviews with the eligible juniors and sophomores of Carnegie Tech. To get better acquainted with the men before we pledge them, we are throwing a smoker and inviting all. In this way we get to know them better and they get to know us. We start out this year with 25 members, and hope to get a good pledge class, not in numbers but in quality. The actives are co-operating very much this year to make Nu Chapter very prominent on the campus.

Our cultural talks will be continued this year as usual, together with a Chapel talk sponsored by Theta Tau. Our booklist, which reached an all-time high last year, has been sent out again, and from all indications it will reach everybody desiring a copy. So far it has been received very enthusiastically because of its practical use.

About our brothers. M. Duane Henderson is Cadet Colonel of the R. O. T. C., while Clement C. Bauman is Military Adjutant of

the same. Brother Henderson gets the honor of leading the grand parade at the Military Ball with Miss Varsity of Carnegie Tech—a very enviable honor, indeed. Brother Bauman will also be found at the Military Ball with a beauty queen deluxe. Charles D. Henderson is a member of the Carnegie Tech Soccer



Team. David Liversidge is captain of the cross country team, and Arthur Snowden is also a member. Brother Rotlzer is the editor of the Dormitory Bagpiper. Ham Daniel is the Senior Representative on the Intramural Board. The other brothers are also active on the campus.

KEITH R. CUNNINGHAM

November 1, 1938

Omicron Has a Real Mayor in Its Midst



ing toward the promising future.

Greetings Brothers of Theta Tau, greetings from Omicron here in Iowa City. Once again we start a new school year with a Hammer and Tongs spirit, eagerly look-

Although we lost 8 men through graduation last spring and summer, we have rebuilt our membership to 15 actives and 10 pledges and through an extensive and intensive pledging campaign now in progress hope to make this one of Omicron's most prosperous years.

The officers are: Regent, Maynard Dix; Vice-Regent, Glenn Kellogg; Scribe, Frederic

F. Kubias; Steward, L. Gerard Simon; Marshal, Robert Arnold; Inner Guard, Paul Aschenbrenner; Outer Guard, Alvin Green.

Omicron's men, like all Theta Taus, are in "the thick of things" when it comes to campus activities. As Vice-President of the Associated Students of Engineering, Brother Al Green shows the same keen ability that has made him such a fine mayor of Coralville, Iowa City's suburb. Brother James Bowman was elected Secretary-Treasurer of the student chapter of the American Society of Civil Engineers. Pledge Edward Burman is a member of the Sophomore Cotillion committee and has promised us that the Cotillion will be "the" party of the year.

Brother Dix is advertising manager of the *Iowa Transit*, the Engineering College publication; Brother Melson is advertising solicitor for the *Transit* and Brother Postlewait is co-editor of the humor column.

With Brother Melson as our athletic director, the more athletic minded brothers are attempting to add to the number of interfraternity trophies that grace our fireplace. Touch-football, track, basketball, baseball and other cups are eagerly sought after by the various fraternities and competition is extremely keen.

The boys who'd rather exercise their minds than their bodies have composed a bridge team to vie for the honor of being the University bridge champs and thus obtain another cup for our mantelpiece. Even with heavy class schedules and many other extra-curricular activities, the Theta Tau bridge team has always been a distinct menace to the most serious minded competitors.

The pledges entertained the actives with an informal party at the chapter house on October 14. Although the party was given at the termination of probation everyone, including the probationers enjoyed it immensely.

On November 12 we had our annual Fall Party and as usual it was a real success. Brother Leutwiler, an alumnus of Kappa Chapter and an instructor in mechanical engineer-

ing here, and Mrs. Leutwiler honored us by acting as our chaperones for the evening. Brother Mavis and Brother Ware, both engineering faculty members, also attended the party with their wives.

Several of the fathers of Omicron's members visited their sons on Iowa's annual Dad's Day and were treated to an exceptional display of football when Purdue and Iowa played to a scoreless tie.

Back for Homecoming were Brothers Stearns, '38; Arendts, '38; Krebil, '38; Benton, ex '39; Sayre, '37; A. C. Boeke, '23; and Ned Ashton, '26. Ned showed us some blueprints of various structures he has designed. After the boys "dropped" some very broad hints Ned left the prints with us and they now adorn the walls in the fellows' rooms in the house. Needless to say, they're a lasting inspiration to all of us.

More recently Brother Sharp, an alumnus of Gamma Chapter, visited us. Several of us learned from him a new kind of "rummy" that requires two decks of cards and about six hands to be able to play. And we thought this five suit bridge was bad enough!

The gang looks forward to our regular Thanksgiving Day dinner, with turkey, dressing, cranberries and all the trimmings that are provided for that memorable meal. Soon after Thanksgiving comes our Christmas stag party which is always a big affair, with the members making it a Christmas away from home worth remembering. It goes without saying that we are counting the days until then.

After the new year is another semester, new men, new friends, dozens of other activities, and then—graduation. Yes, we've got a busy year ahead of us.

And so, with the deadline date for this copy staring me in the face, perhaps I'd better close, but not without passing on to everyone of you brothers Omicron's wishes for continued success in your work.

FREDERIC F. KUBIAS, Scribe

November 1, 1938

Pi Finds Regional Meetings an Inspiration



enrollment in many years.

The informal initiation of these new men

Pi of Theta Tau started the fall semester with 36 actives, and on October 14th formally initiated 17 new men, swelling the chapter to its largest en-

rollment in many years. The informal initiation of these new men took place at the Homecoming Game on October 8th with Pi's traditional requirements filled to a tee. (Note pictures). The pledges were attired as usual in their "Engineer's Formal Dress" and required to carry assigned symbols of their profession, ranging from a "Water Wagon" to a four-foot wrench. At the half time, during U. Va.'s fracas with

Washington and Lee, the neophytes amused the audience with spinning and formations of various sorts.

Pi's biggest activity for this fall was, of course, the Eastern Regional Conference held here in Charlottesville. The result of playing host and being a part of such a gathering has stimulated, especially among the younger brothers, a great deal of fraternal feeling for



Pi pledges

Theta Tau as a national organization as well as just Pi Chapter. Pi was honored and greatly benefited by the occasion.

The frequent chapter meetings this term have been under the gavel of Regent "Buck" Dinwiddie, assisted by Vice-Regent Bild, and recorded by Scribe Sidebottom. The money matters are in the hands of Treasurer Ward and our chapter abode is ably managed by Brother Ball. Social functions have been guided by Brother Wade and his Party Com-

mittee who have given a most successful account of themselves.

The offices held by other Brothers in the school are quite numerous. Pi Chapter boasts eight out of a possible eleven members on the Engineering Council and the presidents of three student branches of engineering societies—Brother Chalkley heads the A. I. Ch. E.—Brother Mallard presides over the A. S. C. E.—and Regent Dinwiddie is president of A. S. M. E. Our Brother Arundale holds sway in the Aviation Club while Brother Bild is the esteemed Secretary of the Engineering School. Additional offices in these organizations are held by several other Pis.

Recently, Tau Beta Pi, Honor Fraternity, elected four Theta Taus from Pi to membership in addition to the five actives already members. The new brothers so honored were Tuthill, Hamm Thomas, and O'Rear and they joined Bild, President of the Chapter at Va., Mason, Quarles, Bache, and Oliverio as outstanding men in their classes.

Extra activities outside the Engineering School have led Brother Ward to Presidency of the University Band and Brother Simpson to the Captaincy of Virginia's famed Boxing Team.

With a large chapter and men of varied interests participating in the activities of Pi, we are looking forward to a big year. The Regional Conference on Founder's Day will long remain in our memory, however as the outstanding event of the year. It is hoped that Pi may again be visited by numerous chapters for the links of Theta Tau were made much stronger by this meeting.

J. H. SIDEBOTTOM

October 29, 1938

Rho Has Some Steam in Its Boiler



Greetings from Rho Chapter at North Carolina State College to all Theta Taus!

We have begun what we think will be one of our most successful years. Even though we were hard hit by graduation last spring, sixteen of our old members returned to school this fall. The officers for the ensuing year are: Sam Hayworth, Regent; Bruce Hildebrande, Vice-Regent; G. E. Yount, Treasurer; and Grady Bell, Scribe.

Rho Chapter started this year in a big way by formally initiating eleven of the most outstanding engineering students at State. These new Brothers are: J. B. Hathaway, Ed Davidson, P. O. Gregg, Bob Wicker, G. S. Achorn,

Tom Blount, E. O. Randolph, J. B. Lasley, C. N. Moore, K. V. Chase, and F. O. Truslow. We are planning to give these new Brothers a dance in the near future.

On October 15 five of us piled into Brother Watson's car and went to Pi Chapter at the University of Virginia for the regional conference. Our Brothers at that institution really showed us "southern hospitality". We had a swell time and I am sure that our chapter will be very much benefited by the information that we brought back from the conference.

Our program committee is arranging some very interesting programs for our meetings this year. The plans call for several motion pictures on outstanding engineering projects, talks on the practical side of engineering by

prominent engineers, and talks along non-engineering lines in order to broaden our knowledge in other fields.

As usual we are planning to take an active part in the annual Engineers Fair. This is one of the most important events on our campus, and Rho Chapter always contributes much to its success. We are also planning to award a plaque this year to the most outstanding engineering student.

Theta Tau men are well represented in various activities on the State College campus. All of our active members belong to their respective student chapters of professional societies. G. E. Yount and Sam Hayworth are President and Vice-President, respectively, of

the local chapter of the Association of General Contractors. Sidney Rogers is business manager, Grady Bell is circulation manager, and Tom Blount is advertising manager of *The Southern Engineer*, our local engineering publication. The American Society of Mechanical Engineers is represented by J. B. Lasley, President; C. N. Moore, Vice-President; and Grady Bell, Treasurer. E. O. Randolph is Vice-President of The American Institute of Chemical Engineers local chapter, and Ed. Davidson is managing editor of *The Technician*, student newspaper.

SAM HAYWORTH, Regent

October 27, 1938

Sigma Men Living in Colorful Surroundings



The beginning of the school year found Sigma Chapter in the same house as before but in a much better state. At the present time we have twenty-two members living in the house and two pledges. Six of these ac-

tives have just been initiated. Our active chapter has twenty-three men and Pledge Master P. W. Matthews reports nine pledges.

As to the improvement of the house, we were fortunate in having the living room, hallways, and second floor redecorated and rapered. The living room and hallways have been renovated with a light paper, giving the rooms a lighter and more cheerful appearance. In addition, the davenport was covered with maroon while two of the overstuffed chairs were covered with ivory. The rug from the stairs has been removed and the steps are to be covered with hard rubber treads. On the second floor, the "Georgians" room emerged from the housecleaning stage redecorated in orange. The southeast room took on the hue of blue trimmed in cream, and the northeast room green. Three Cleveland boys have undertaken to transform the other room of the second floor into the "Orchid Room". In spite of the color schemes, the house looks better than ever before. The chapter wishes to thank the alumni association through whose efforts the redecorating was made possible, and our house manager, Paul Hartman, who did most of the work. Paul was assisted by a newly initiated brother, Gerry Gambs.

The officers elected for this term are Robert Derrenberger, Regent; Jack Zimmerman, Vice-Regent; Perry Borchers, Scribe; Howard Dickson, Marshal, and Howard E. Castiglioni, Corresponding Secretary.

At our second, and incidentally the longest meeting the chapter has recorded (four hours and fifty minutes), the following men were voted on and have been initiated this fall: Gerry Gambs, Cletus Oster, William Nungesser, Paul Rhoads, Robert Detwiller, Seymour Browne, George Gibbs, and Paul Bowen.

At this same meeting Grand Vice-Regent Russell G. Glass was present and plans were discussed to hold a regional convention at Sigma the week-end of October 22-23. This was finally postponed for various reasons and plans are yet quite indefinite, although our committee is working hard for a tentative date.

Theta Tau is well represented on our campus by a number of men. Al Ankrons is National President of Pi Tau Pi Sigma, President of the Engineers' Council, President of Quadrangle Jesters, Vice-President of Scarlet Mask, Vice-President of Texnikoi, and Associate Editor of *The Ohio State Engineer*. Jack Zimmerman is Secretary of Quadrangle Jesters, Departmental Editor of *The Ohio State Engineer*, a member of the Men's Glee Club and of A. S. M. E. Carl Fisher is active in the Student Senate, Engineers' Council, Texnikoi, Tau Beta Pi, Quadrangle Jesters, Scarlet Mask, A. I. Ch. E., and the A. S. T. M. Our Regent, Derrenberger, is now associated with Texnikoi, Quadrangle Jesters, Associate Editor of *The Ohio State Engineer*, S. S. I. E., and a member of the Council of Fraternity Presidents.

With football and other athletic events filling the calendar, Sigma has found time to organize a touch football team, and is looking forward to some exciting games. Also, Norm Schoewe, Paul Hartman, Al Ankron, and Carl Fisher won in the preliminary horseshoe pitching contests.

Since the school year is just beginning,

social functions are just getting under way. Sigma is looking forward to a bigger and better year than ever before.

Sigma's Homecoming Dance will be held on November 19th in the main ballroom of the Chittenden Hotel in downtown Columbus.

Dancing is from 9 to 12 to the music of Frankie Schenk and his orchestra who are returning by popular request. Everyone is looking forward to a grand time.

HOWARD E. CASTIGLIONI, Corres. Sec'y
October 29, 1938

Upsilon Gets a Chapter Room



There has been more interest in Theta Tau this year than I have seen since I came here. We have been quite active this fall.

We of Upsilon have secured for our use a room in the Engineering Building, and at the present time we are making plans for furnishing the chapter room with modernistic furniture. This room will take the place of a chapter home and we are expecting it to create a great deal of interest in the organization. The room was given to us temporarily, for a year, to see how we get along and believe me by the end of the year we are really going to have complete possession of it. That means we will have to work and we will.

Fourteen active men returned to school this year and we are expecting to make this one

of the best years the Upsilon Chapter has ever had.

We have had three meetings this year and one picnic. The picnic was attended by thirteen members and twelve rushees. Of the seventeen men rushed this fall we have pledged nine. They are: Jimmie Dodson, Charles Hogan, Murray Thorn, Thomas Furlow, Eugene Manley, Landon Brown, Hurbert Heiman, Porter Gammill, and Ned Jordan.

The present officers are: Regent, Bruce Meneses; Vice-Regent, Clyde Wooten; Scribe, James Slayden; Treasurer, Ben B. Johnston; Marshal, William B. Stelzner.

A very interesting letter was received from Billy Lewis, Jr., our Regent last year. He is now employed by the Arkansas Power and Light Co., Little Rock, Ark.

I am sure that I shall be able to report a coming chapter of Upsilon from now on.

JAMES SLAYDEN, Scribe
October 27, 1938

Phi Emerges from Crisis With a House



Due to the public sale of their leased residence, Phi Chapter weathered a crisis lately. By concerted effort on the part of their alumni the chapter became the owner.

The greatest contribution to the purchase of the house came from the alumni in the form of revenue from the sale of several lots. These lots were presented to the chapter by the alumni in the hope that someday the actives might build on them. West Lafayette zoning regulations prevented this, so the lots were sold and the income applied on the purchase of the house.

At the alumni Homecoming meeting the main topic of conversation was the purchase of the house. The alumni were in complete agreement that the transaction was an important step in the further expansion of Theta Tau at Purdue University. They favored it heartily.

The Brothers are enthusiastic over the prospect of having their own chapter house, and many optimistic plans for improvement are in progress.

Graduation struck heavily into the ranks of Phi's actives as nine seniors left last spring to take up sundry positions in the engineering world. At the present time, however, there are eighteen actives and three pledges. Nine members were initiated in October.

Nicholas Barsha is Regent of Phi this year and he is ably assisted by the following brothers: Sidney Mathew, Vice-Regent; Gene Kramer, Scribe; and William Ott, Treasurer. Hoyt Larison, formerly of Gamma Chapter, is performing excellently as House-Manager and Steward. "Hoot" has become somewhat of an expert on ham. The reason for this is the thorough "ribbing" he received after his "bargain" purchase of 185 pounds of ham. He learned the next day that it could be bought through the regular channels for one cent a pound less.

Phi Chapter is well represented in activities

on the campus here at Purdue. Nick Barsha will be seen again on Piggy Lambert's Championship Big Ten Basketball Team. Brothers Prater, Ott, and Kramer are very much in evidence as Cadet Second Lieutenants in Purdue's Field Artillery. Brother Ott is also on the business staff of the *Purdue Engineer*.

As of last year Brother Prater is active on his guitar, but for variety he has changed from a Hawaiian to a Spanish guitar. He receives moral support from Brother Gardener's harmonica.

Brothers Wentz, McMillen, and Heinrich, recent initiates, are out for track, swimming and football, respectively. By spring there will probably be three more lettermen in our midst. Brother Seyks, late of Morton Jr.

College, intends to divide his time between varsity baseball and debating.

We received a considerable amount of freshman this year in the person of six-foot, four-inch, two-hundred and sixteen pound Pledge Vanderford. He is the brother of last year's Vice-Regent. Pledge Vanderford will attempt to follow in the footsteps of Regent Barsha as a basketball player.

On April 21 Captain P. W. Thompson, an old Torque member, was initiated into Theta Tau. Captain Thompson has devoted a great deal of his time to the business transactions of the alumni and actives.

CHARLES E. KRAMER

October 27, 1938

Chi Having Fine Professional Meetings



As twenty of last year's members did not return, Chi Chapter began the semester with nineteen men. This nucleus, led by Elliott Cushing, Regent; John McPherson, Vice-Regent; Angus McVicar, Treas-

urer; Fred Clark, Scribe; and Lamonte West, Corresponding Secretary, looks forward to an active year. Fall pledging, when our ranks will again be brought to quota, will not be held until later on in the semester.

Founders' Day banquet, ever the outstanding event of the fall semester, was held October 9 at the Pioneer Hotel. As in years past, the date was chosen to give the added attraction to the alumni of the Arizona-New Mexico Aggies football game. The toastmaster for the evening was E. D. Gardner, head of the Arizona Office of the U. S. Bureau of Mines. John Soule, principle speaker of the evening, having just returned from a year's work as mining engineer in the Philippines, gave us a fine description of the various phases of his life and environment. His comprehensive discussion included not only the mining problems he had to solve, but also the various types of people with whom he had to deal. We especially enjoyed his stories of the manner in which the natives had to be handled in order to get a minimum of work out of them. It seems that even in the Philippines the workers like to believe that the amount of their pay check is independent of the amount of work which they do. Throughout the talk much useful advice was given to an engineer contemplating work in the Philippines.

Following the banquet the Southwestern

Alumni Association held its annual meeting. The following officers were elected for the coming year: R. E. S. Heineman, President; George Houston, Secretary-Treasurer. The treasurer's report showed that a good financial condition existed. The association stated that



it was willing and able to co-operate with the active chapter whenever possible.

At our regular fall open meeting, Dr. E. P. Mathewson, Honorary member of Chi Chapter, spoke on his past year's experiences in China. His talk was full of fascinating descriptions of the war in China and its effect on the Shanghai area. His tales of Hong Kong, where he was employed as consulting engineer for the Nielson Mining Co., and of the typhoon which wrecked a large part of the area thereabouts were punctuated with the true Mathewson wit which we have missed so much during his past year's leave of absence from this University.

Again Theta Taus of Chi Chapter are rewarded for their leadership and scholarship. Elliott Cushing, Regent, is Vice-President of Tau Beta Pi and a member of the Engineers' Council; Charles Lamothe is a member of the military honorary, Scabbard and Blade; Jim

McLean, a track man, is a member of the letterman's "A" Club; Neil Borgquist, a member of Tau Beta Pi, is also a varsity tennis player; Fred Clark, Chi Scribe, is a member of Blue Key and Bobcats, men's honoraries, and is also a member of the Interfraternity Council; Angus McVicar, Chi's Treasurer, is a member of the Engineers' Council; Willett VanLoo, Tau Beta Pi President, is Vice-President of the A. S. C. E., is a member of Delta Pi Sigma, honorary mathematics society, is Chairman of the Engineers' Council, and belongs to Kappa Kappa Psi, band honorary; Harry Garrett is pledged to Tau Beta Pi, a member of the Engineers' Council, a member of the rifle team, and a member of Delta Pi Sigma, mathematics honorary; Charles Nicholas heads the local A. S. M. E.; Jay Medford is Corresponding Secre-

tary of Tau Beta Pi; Lamonte West is a member of the Engineers' Council; and John McPherson, Vice-Regent of Theta Tau, is President of the Senior Class, and a member of Scabbard and Blade and Blue Key.

The chapter plans to continue the policy of having talks by men in other fields to broaden the engineer's aspect of life. We hope that the success of the plan this year will be as marked as that of last year.

In closing, Chi Chapter is proud to report that it has been able in the past year to pay its paving assessments, put in a sidewalk, and pay off \$300.00 on the principle owed on our building lot. We soon hope to be the possessors of a completely paid for building site.

FREDERIC B. CLARK, JR., Scribe

October 30, 1938

Psi Entertains Two of Theta Tau's Founders



Psi Chapter resumed its activities this fall under the capable leadership of Regent Clarence Schrader with an active membership of sixteen, having lost eleven men by graduation. Coupled with this loss we also have felt the absence of Brothers Keesey, Trethewey, Connors, and Luebben who have not returned this year. We certainly hope that Keesey, who is absent because of illness, will be able to be back with us next year. The other brothers are attempting to fill up "ye ole sock" in order to return to school later. However, along with Schrader, the new officers elected last spring are carrying on like veterans, and are as follows: Charles Lyden, Vice-Regent; John Prater, Scribe; Fred Pope, Treasurer; Gordon Fay, Inner Guard; Sherman Lang, Outer Guard; Kenneth Dodd, Marshal; and Laurence Eck, Corresponding Secretary.

The eleven men who were formally initiated on October 9th were Matthew Gooding, Thomas Jancic, Donald Cole, Kenneth Dodd, Stanley Kappel, John Huxley, Edgar Barnes, Dee Loughridge, Thor Johnson, Clarence Toensing, and William Mitchell. Along with these new men we are certainly glad to have back with us again three of our former actives, Brothers Charley Backstrom, Ray Nelson, and Dick Schaal, who are taking graduate work in geology, mineral dressing, and mining, respectively. Dick is a member of Psi, but graduated from New Mexico School of Mines last year.

So far there has been no mention of our pledges. We have twenty-seven, the same as the number of actives. The greater part of

these men were pledged recently while the remainder are those who were not quite financially able to be initiated at our first initiation.

On May 3rd last spring we celebrated our birthday in the form of a dinner-dance at the Anaconda Country Club. Everyone present including actives, pledges, faculty members, and guests had a thoroughly enjoyable evening which we are certain gave the graduating seniors an excellent start on their senior trip.



In the latter part of May when the Colorado School of Mines seniors visited Butte, seven of the group, who were Brothers from Gamma Chapter, were entertained at our chapter house. We were certainly pleased to be visited by brothers from another chapter and to have the opportunity to meet them.

The first fraternity function of the year was our fall rushing party which was successfully held at Meaderville, October 7th, to the tune of a ravioli dinner along with pep talks, jokes, and poems by Professor O. A. Dingman, Zeta '14, supplemented with those of

Dr. E. S. Perry, Psi '32, and Wally Ruemmler, Iota '37.

Our Founders' Day dinner-dance was held at Echo Lake Lodge this year on October 15th, which fell on a Saturday. However, along with it fell six inches of snow—so much in fact that we almost had to make it a sleigh riding party in order to reach our destination. But the weather had little dampening effect upon the spirits of the boys and their guests, and the party was a "wow", as Schrader would say. Toastmaster Gordon Fay nearly had us "rolling in the aisles."

Soon after classes began this fall Psi was pleasantly surprised to find that there were two members of Theta Tau from other chapters attending school. We are certainly glad to have with us Brother Wally Ruemmler of Iota, who is taking graduate work in metallurgy, and Brother Ernest Klepetko, Jr., of Beta, who is enrolled as an undergraduate. Even in the short time that they have been with us, they have given us many excellent and valuable ideas for the chapter.

The various and sundry accomplishments of some of the members and pledges are as follows: Brother Eddie Barns is once again holding the spotlight in the backfield of the varsity football team. Eddie is not only a good football man, but also plays varsity basketball. The hockey team will probably have Brothers Kappel, Dodd, and Jancic, and Pledges Lake and Hill back in the line-up. The only white men in the aforementioned group are Hill and Jancic—the remainder are "bloody Kenucks" polluting our fair land. However, on second thought we are forced to grant that they can play hockey. Brother Gordon Fay has often been seen to sneak off to some desolate corner by himself. His purpose is not exactly known, but it is rumored that he has been practicing Alpine yodelling for the coming ski season. Fay can certainly hold his own in that fine art of skiing, even though he might fall short on the vocal end. The writer is sorely afraid that some of the boys are going to call out the riot squad some of these evenings when "Cupy Lips" McCready, "Jitter-Bug" Lyden, "Razzle-Dazzle" Pope,

and "Lover" Kappel start in with one of the "jam" sessions which include everything from the flea hop to the Montana Mines "special". It must be love.

The H and T's have an excellent representation in the glee club, the number totalling twelve out of thirty members. Nearly every Theta Tau who is a junior or a senior has membership in the Anderson-Carlisle Technical Society, student chapter of the A. I. M. E., thereby giving us an excellent representation in that group. At the termination of school in June the chapter was again second in the list of organizations on the campus in scholarship, being outdone only by the student chapter of the A. I. M. E. Of the thirty engineering students who placed on the honor roll at the end of the semester in June, nineteen are members or pledges of Theta Tau.

Psi was highly honored in being visited recently by Brother Grand Scribe Erich Schrader and Brother Isaac B. Hanks. We were certainly surprised to have two of the founders of the original chapter of Theta Tau at the same time. After an enjoyable visit, Brother Hanks continued his journey while the Grand Scribe complimented us in remaining and participating in our initiation October 9th. It was indeed a most inspiring occasion and was very impressing not only for the initiates but also for the members. We were honored last May in being visited by Robert Bacon, Chi '34, who is now Assistant Chief Engineer in the employ of the South American Development Company located at Guayaquil, Ecuador, S. A.

Psi Chapter is now looking forward to the western regional convention of Theta Tau to be held at Salt Lake City in the early part of November. The chapter has selected Brothers Clarence Schrader, Gordon Fay, Laurence Eck, and Dr. G. L. Shue as official delegates. However, we are attempting to make arrangements for a few more Brothers to attend so that we shall have a good representation along with the official delegates.

LAURENCE T. ECK, Corresponding Secretary
October 27, 1938

Omega House Wears a Three-foot Badge

RAPID CITY ■ S.D.

Omega Chapter has made another very successful start in another school year. September the twelfth found the Brothers in the annual mad scramble for the best rooms in the house. The street in front of the house was a veritable Fifth Avenue caused by drays bringing the

belongings of the gathering Brothers. Brother Stanley claimed an option on the room closest the kitchen, mainly because he is house manager. However, we have our doubts about that. As the smoke cleared away and debris settled, we found thirteen actives and three pledges, now battle-scarred veterans, comfortably situated, each believing that he had won.

At seven o'clock Wednesday morning Mother

Muckler happily greeted her wandering boys with the first breakfast of the year. At the last meeting of last school year Mother Muckler was again unanimously elected as our house mother. Her last year's work indicated that our choice was a wise one. Her well prepared meals and nicely kept house have really made a grand home for us.

Omega Chapter held its fall initiation on Saturday night, October 29. At midnight the formal ceremonies took place, bringing Edward Mazourek, James Stevens, Clair Crawford, James Goldsmith, Lowell Schuknecht, William Kingsbury, and Albert Gallo into our brotherhood. The activities earlier in the evening were confined to the informal phases of initiation. Various indignities were imposed on the initiates much to the amusement of the hardened actives. We really believe that the initiates enjoyed it too. We feel that our choice has added eight men who will maintain the high standard set by Theta Tau.

The School of Mines is now in the midst of one of the most successful football seasons the school has ever known. We now hold a one-thousand percent rating in the conference with a point total of one hundred and ninety-two to our opponents twenty. Omega Chapter has two actives and four pledges on this team. Brothers Lindley and Harding have done outstanding work this year and we feel that when conference teams are picked they will surely be among those chosen.

The only intramural activity so far this year has been intramural tennis. Three actives and twelve pledges were out. The tournament has now reached the fourth of a five series schedule with two men still participating. Up and at 'em men.

We regret to state that we were unable to regain the Sigma Tau cup for scholastic standings of the various campus organizations. However, we lost by two hundredths of a point so feel that it was not a walk-away for our opponents.

The six week honor roll finds three Theta Tau men registered. This represents an average of 2.08 or over. We are proud of these men and hope that the next honor roll will find more of the brothers represented.

Members of Omega Chapter are unusually active in the various campus activities and organizations. Brother Davies is the Sphinx of the local chapter of Sigma Tau with Brothers Fenner, Crawford, Woodle, and Serbousek holding other offices. Brother Woodle is President of the Student Association. Brothers Cleland and Serbousek and Pledge Zeidner are members of the Senior Council. Brother Gilbrough is President of the junior class and Brother Hoevet is Treasurer. Brother Serbousek is President of the local student chapter of the A. S. C. E., and Brothers Stanley and Stevens also hold offices in that organization. Pledge Gavins is Vice-President of the student chapter of the A. I. M. & M. E.

The officers of Omega Chapter are as given in the last report, since another election is not in order for some time.

We feel that we have had a very outstanding pledge project for our recently initiated brothers. A large replica of our pin three feet in diameter was made of heavy ply wood painted gold. The pearls were made by the use of white light bulbs and the garnet was made by the use of a red light bulb. The finished project was exhibited for the first time at our welcome banquet held at the Alex Johnson Hotel on October 30. The large pin is now mounted above our front porch and is lighted each night. Thanks to the new men for their work and to Brothers Lubker and Cleland for their supervision.

We wish to take this opportunity of offering special congratulations to our house manager, Brother Stanley, who has certainly proved the value of a capable hand at such a position. Careful planning and purchasing have done much toward a well balanced budget. Believe it or not, he keeps a close eye on the midnight raider of the pantry too.

With a house filled to capacity, an enrollment of twenty-five actives and sixteen pledges, we of Omega Chapter look forward to a most successful year. We send best wishes to the National Council and to all our Brothers in Theta Tau. May this year hold joy and progress for all.

L. J. SERBOUSEK

November 1, 1938

Gamma Beta Boys Make Run on Candlesticks



We of Gamma Beta have indeed been rather busy since last you heard from us in THE GEAR. Soon after school recessed last June Brother George Lohnes held a big party for brothers and friends

out in Fairfax, Va. We all played pool, ping pong, and poker pleasantly immersed in refreshments. Of all the good times we have had together, this one certainly stands out for the quantity as well as the goodness of the fun.

About a month ago Brother Lohnes had to go to the hospital with some difficulties which are now happily disposed of. George is

famous for his stories and at his bedside entertained by the hour nurses, doctors, friends and fraternity brothers without running down. One and all are mighty glad he is well and much amazed at where and how he can collect so many good stories.

During the summer the fellows sojourned one Saturday afternoon up at the Great Falls of the Potomac. The rain was mighty wet, but the fellows and their dates claim they had a swell time anyway. I sure wouldn't mind holding a rehearsal of that afternoon and evening, without the rain, though. We swang in swings, ate pounds of hot dogs and marshmallows, played slot machines, climbed on the rocks, and had a good time. Oh yes!

Early this fall three of the brothers sneaked out and got married. They are Brothers George Rhine, Jimmie Robertson and Allan Hallberg. Each of these will receive a pair of silver candlesticks from the fraternity. The giving of these candlesticks as a wedding present is one of the oldest customs in the chapter and one of the most venerated. An informal party was given on Saturday, October 1, at the Powhatan Hotel for Brothers Rhine and Hallberg. We did not hear about Jimmie's good fortune in time to bring him to the party. Brother Hallberg stayed about fifteen minutes and then started fumbling with explanations about other engagements, so we excused him without too many questions but much kidding.

Gamma Beta really celebrated Founders' Day in a big way. In Washington on the twelfth of October over half of the Brothers attended a lecture and smoker arranged by the National Capital Alumni Association. Then over the following week-end some fifteen or more of the Brothers went down to Pi Chapter in Charlottesville, Va. This was a most momentous occasion for us all and the happening there I expect will be well covered elsewhere in *THE GEAR*. But for myself, let me say that as never before I am proud to be a member of a fraternity in which so much

spirit, energy, good will, and good fellowship exists as displayed at the regional conference in Charlottesville. Further, I appreciate and wonder at the great hospitality of the fellows at Pi Chapter.

The officers for the coming year are: Charles J. Mikuszewski, Regent; Ira K. Jones, Vice-Regent; Lawrence Froyd, Treasurer; Tom Johnston, Corresponding Secretary; Allan Hallberg, Scribe; Bert Randall, Marshal; August Millard, Inner Guard; and Neff Frye, Outer Guard. Brother Mikuszewski expresses the hope that Gamma Beta may go forward as well and as far under him as it has with preceding Regents. The activities of the coming year will include more and bigger rush functions, longer pledge periods, and more informal initiations, together with the inauguration of many ideas gained at the regional conference.

Brother Ed Thomas was awarded the coveted Theta Tau activities plaque last spring. This plaque is awarded each year to the graduating senior who has contributed most to the extra-curricular activities of the Engineering School and the University at large. Brother Warren Crump now serves as President of Sigma Tau, with Brother Mikuszewski as Vice-President and Bert Randall as Corresponding Secretary. Many other Brothers are Sigma Taus as well. Brother Lawrence Froyd is President of the Engineers' Council, with Brothers Randall and Hallberg as Vice-President and Secretary, respectively. Brothers Simmers, Crump and Millard round out the six Theta Taus on the ten man council. Last spring Brother Johnston was elected Forum Director of the Student Council of the University. Brother Ira Jones is President of the local chapter of the A. I. E. E. Thus Gamma Betas still lead in student activities.

"We have tried to do and do well: to do better still."

TOM JOHNSTON, Corresponding Secretary
October 29, 1938

Chicago Alumni Association Plans to Help New Graduates

The Chicago Alumni Association of Theta Tau held a Founders' Day Dinner and general meeting on October 14th to start the new season off with a bang.

One of the decisions reached at the meeting was the setting of a definite date for our meetings, in order that with a definite date to look forward to, more brothers can arrange to come to the meetings and also it will give out-of-town brothers who are in Chicago on business or pleasure an opportunity to come to our meetings if they are in town on those dates.

The dates set are the 1st Friday of October, December, February, April, and June.

No definite place has been set, but notices will be sent out as usual and out-of-town guests can find out the place of meeting by getting in touch with Brother H. H. Hopkins or Brother J. B. Finch.

The Chicago alumni are also continuing work on an employment directory for the Chicago area which was started last spring. The work has just started and so we cannot be of much help at present, but hope to develop this project to aid the graduating classes

in obtaining good contacts and also help our present members improve their positions.

We hope to have more to report on this project in the next GEAR.

A luncheon is also planned during Christmas week, at which we hope to entertain any of the present active members of Theta Tau who are in Chicago over the holidays. An-

nouncements of this meeting will be sent to each chapter. Brothers may get in touch with H. H. Hopkins, 1724 W. Fulton St., Chicago, for further particulars.

JAMES B. FINCH, Secretary-Treasurer
Chicago Alumni Association

October 31, 1938

Kansas City Alumni Petition for Association

The Kansas City Alumni Club, at its first fall meeting, elected the following officers: R. W. Nusser, Zeta '28, President, and Paul Dwyer, Zeta '34, Secretary. At the same meeting, it was voted that the association be known as THE KANSAS CITY THETA TAU ALUMNI ASSOCIATION and that we petition the Executive Council for a charter as an



association. After the meeting was adjourned the boys played bridge and poker and light refreshments were served.

At the annual Theta Tau Founders' Day Banquet given by Zeta, in Lawrence, Kansas, Sunday, October 23, the Kansas City alumni present were: Ralph Nusser, Robert Russell and Paul Dwyer. The food was excellent only by the fine speeches on the merits of Theta Tau. The only gloominess which prevailed was due to the low standing of the Kansas football team in the Big Six, as they have not thus far won a conference game.

A chicken dinner will be held on Thursday, November 3. All of the heaviest eaters are expected to be present as it is promised everyone can have all the chicken he can eat with the stipulation that he bring his own Alka-Seltzer.

PAUL DWYER, Zeta '34

October 26, 1938

National Capital A. A. Considers Horace Greeley's Advice

On October 12, 1938, The National Capital Alumni Association and Gamma Beta Chapter celebrated Founders' Day. Our celebration was held on Wednesday rather than Saturday as a number of the members of Gamma Beta Chapter and several alumni wished to attend the Regional Meeting held at Pi Chapter.

The principal business of the evening was the election of officers for the National Capital Alumni Association for the ensuing two-year period. The new officers are: President, Francis M. Hoffheins, Gamma Beta; Vice-President, Parker D. Trask, Epsilon; Secretary-Treasurer, Alan M. Staubly, Gamma Beta; Members of the Executive Committee, George O. Sanford, Gamma Beta Hon., and Henry J. Matchett, Alpha.

The entertainment of the evening was a lecture by Mr. Earl A. Trager, Chief of the Naturalists Division, National Park Service, entitled "Wilderness Wonderlands," illustrated by natural color slides and motion pictures. The speaker took us, in effect, on a tour through the western National Parks showing us the scenic wonders and pointing out the

geologic formations, the flora and fauna, and the engineering features of the roads and trails. The slides made from Kodachrome film vividly portray the wide variety of colors found in the parks. Mr. Trager demonstrated that he is not only a good speaker but an excellent photographer as well. From the questions asked at the close of his talk, I would not be surprised if some of us "go west" some day.

Through the courtesy of the George Washington Chapter of Acacia Fraternity, their house was placed at our disposal for our Founders' Day Meeting. At the close of the lecture a buffet supper was served and a social hour was thoroughly enjoyed by all.

The following information regarding the newly elected officers of the National Capital Alumni Association will be of interest to Theta Taus. Francis M. Hoffheins, the newly elected President, received his B. S. in Chem. Eng. from George Washington University in 1933. He was formerly employed in the Fire Resistance Section of the National Bureau of Standards but recently transferred to the U.

S. Bureau of the Census where he is doing work on the census of chemical industries. Parker D. Trask, our new Vice-President, is one of several Theta Taus in the U. S. Geological Survey. He is a graduate of the University of California. Alan M. Staubly, Secretary-Treasurer, is a graduate of George Washington University and is now employed in the District of Columbia Surveyor's Office. George O. Sanford and Henry J. Matchett are the two elected members of the Executive Committee. "Uncle" George, who had the misfortune of graduating from Worcester

Polytechnic Institute which has no Theta Tau Chapter, became an honorary member of Gamma Beta Chapter this year. He is General Supervisor of Operations and Maintenance for the Bureau of Reclamation, U. S. Department of the Interior. Brother Matchett, Alpha Ex '13, Major, Infantry, U. S. A., is connected with the Office of the Chief of Infantry here in the War Department.

WILLIAM J. ELLENBERGER
Secretary-Treasurer

October 29, 1938

Central Alumni Association Forms Ladies Club

There has been a variety of activities within the Central Alumni Association during the year 1938. The usual monthly luncheons have been continued in Columbus. Time: first Tuesday of each month. Place: State Restaurant. The Spring Formal Dance, sponsored by the active chapter, was held at the Columbus Country Club. It was a ritzy affair, but was slightly dampened by inclement weather with a resultant loss in attendance.

With the able assistance of a newly formed Ladies Club, the Association had the chapter house cleaned and did some refurnishing. The result was a pleasant surprise for the actives when they returned to school this fall. To inspect the results of their efforts, the ladies have planned a pot-luck supper to be served at the chapter house on a Sunday evening in the near future.

Two more major activities will conclude this year. First is the Regional Meeting to be held at Sigma within the next few weeks. We are much in favor of these meetings and intend to lend our hearty support. The other event is the Ohio State Homecoming on November 19. There will be a buffet luncheon at the house following the football game. This will be followed by the semi-annual meeting. This is the main meeting of the year and includes the election of officers. At the conclusion of the meeting we will all move down to a dance at the Chittenden Hotel.

In closing we again extend a hearty welcome to all Theta Taus in Ohio and cordially invite you to join our association.

EMMETT E. KNORR, President

October 27, 1938

Intermountain Alumni Association Elects Officers

The newly elected officers of the Intermountain Alumni Association of Theta Tau are as follows:

Max F. Schick, President

Otto Herres, Vice-President

C. Milton Anderson, Secretary-Treasurer

J. E. Trinnaman, Committee Member

Leland K. Irvine, Committee Member



Schick



Anderson



Trinnaman



Irvine

Alumni News

ALPHA

JACK KENNEDY, '08, is seen about Washington, D. C. almost daily going in and out of government buildings peddling his wares for the Ingersoll-Rand Company. Jack has just completed his term of office as a member of the Executive Committee of the National Capital Alumni Association.

HOWARD N. EIDEMILLER, '14, works for the Eng. Calumet & Hecla Cons. Copper Co., at Ishpeming, Michigan.

MAJOR WALTER D. LUPLOW, '17, was recently transferred from his post as engineer in charge of the U. S. Engineer Office, Washington, D. C., to the Military Intelligence Division of the Army.

LARCUM RANDALL, ex '18, who graduated from M. I. T. in 1921, is with the T. O. Metcalf Printing Co., of Boston, Mass.

ALVA J. HALEY, '25, gets all mail at Mercer Island, Washington.

LYDD V. BERKNER, '27, works for the Carnegie Institution of Washington, in the Department of Terrestrial Magnetism, Washington, D. C. At last report he was on another of his globe-trotting trips.

REX S. ANDERSON, '30, is with the U. S. Department of Agriculture, Bureau of Public Roads. Rex is still receiving congratulations for that second addition to the family. Now he's two up on a lot of the boys.

CHARLES BRITZIUS, '33, is the proud proprietor of the Twin City Testing and Engineering Laboratory. He now "tests concrete and and steels for a living."

EARL M. BENNETSEN, '36, JOHN P. SWENSON, '37, and RAYMOND BASS, '37, have returned to the fold and are now engaged in construction work under their respective sires.

ORVILLE G. LUNDSTROM, '38, is now employed by the Atlantic Oil Co., Shreveport, La.

LYDD A. LEWIS, '38, is receiving advance training in geophysics through the medium of a scholarship at the California Institute of Technology.

ROBERT F. HODGMAN, '38, is taking graduate work at Texas A & M, College Station, Texas, in addition to working as a laboratory assistant in the Mineralogy Department.

BETA

ROBERT B. PHILLIPS, '05, is resident engineer for the Sinaloa Mining Co., at Cosala, Sinaloa, Mexico. The company operates in Mexico as the Cia. Minera de Sinaloa, S. A. Its headquarters in this country are in Bellingham, Washington.

ERNEST KLEPETKO, '11, is with the Combined Metals Reduction Co. at Bauer, Utah.

K. K. HOOD, '12, gets his mail at Box 430, Deming, New Mexico. He is in charge of the operations at the Peru Mine for the Callahan-Zinc Lead Co., of Wallace, Idaho.

R. A. CASE, '12, is living at 967 South 11th East St., Salt Lake City, Utah.

J. GARDNER EDWARDS, '13, who was in charge of the work in Goldfield, Nevada, for the Eastern Exploration Co., has returned to his home in Houghton, Michigan.

HAROLD F. MILLS, '14, formerly manager of the Mutual Coal Co. is now manager of the Iron King Mining Co., Humboldt, Arizona.

RALPH MOON, '18, is a sales representative for the Ingersoll-Rand Company, whose Kansas City office is in the Dierks Building. Brother Moon, to use his words, is apparently the only Theta Tau Foreigner in Kansas City. We hope there will be sufficient response to his, and also the Kansas City Alumni Association's plea for Theta Taus of the entire twenty-five chapters.

Congratulations are in order for JOHN U. ALLEN, '35, who writes from Fort William McKinley, Philippines, that he was married on October 22.

R. D. HOLZ, '38, is a Looie in the army and is now stationed at Fort DuPont, Del.

J. P. MANGER, '38, strung along with Holz, but was sent to Fort Logan, Colorado.

R. FERGUSON, '38, is working for the Sullivan Machine Co. in his home town of Michigan City, Indiana.

GAMMA

R. R. BRYAN, '08, makes a living as a consulting engineer, Box 3009, Manila, P. I.

SAMUEL J. BURRIS, JR., '15, recently moved to 114 North Byers Ave., Joplin, Mo.

BEN C. ESSIG, '15, manager of rock drill sales for Gardner-Denver Co., has been transferred to Denver where his mail address is Box 1020.

- FLETCHER WOOD, '15, is now with the Engineering Equipment & Supply Co., Manila, P. I.
- T. H. ANDREWS, '17, is district superintendent for the Stanolind Oil & Gas Co., Gulf Building, Houston, Texas.
- THOMAS H. ALLEN, '18, geologist, has moved his offices to 717 Union National Bank Building, Wichita, Kansas.
- DONALD C. GREGG, '22, has offices in the Regina Building, Manila, P. I. His job is that of an engineer for the Development & Mining Co., of the Philippines.
- H. HART PRATLEY, '22, is vice-president of the United Geophysical Co. of Pasadena, California. His home is at 1331 North Pacific Street, Glendale, California.
- HUGH M. CONNERS, '22, now works on the staff of the Balatoc Mining Co., Baguio, Mountain Province, P. I.
- RONALD F. CRAWFORD, '23, represents Ingersoll-Rand in Nicaragua, Central America. His mail goes to Apartado 7-A Managua, Nicaragua.
- JOSPH A. RYAN, '23, who is with the Allied Chemical & Dye Corp. has changed his address to 4 East 9th Street, N. Y. C.
- JOHN C. HERRON, '23, has changed his address to 202 Mira Mar Avenue, Long Beach, California.
- E. B. BLICKENSTAFF, '25, makes a living as a consulting engineer in Mojave, California.
- GEORGE H. ADAMS, '26, engineer for the Riverside Portland Cement Co. has changed his address to 3872 10th St., Riverside, California.
- MARVIN B. MARSH, '29, works for the American Rolling Mill Co., 7100 Roberts St., Kansas City, Mo., as manager. Brother Marsh's home is at 15 East Winthrop Road.
- P. W. SIMMONS, '29, 710 14th Street, Golden, Colorado, recently joined the E. L. Sweeney organization of Denver which is a well known firm of metallurgical plant builders. At present he is engaged in building the Cameron Mill in Cripple Creek, Colorado.
- JAMES H. HOOK, '29, lives at 3908 Lennox Drive, Fort Worth, Texas.
- THEODORE F. ADAMS, '29, is now general superintendent of the Surigao Consolidated Mining Co., Surigao, Mindanao, P. I.
- DONALD FALLER, '30, has changed his residence to 727 Waybridge Road, Toledo, Ohio, and works as a commercial engineer for the Toledo Edison Company.
- DANIEL J. LYONS, '30, is now living at 134 Green St., Martinez, California.
- C. L. BARKER, '31, makes his home at 1608 Dahlia St., Denver, Colorado, and works for the E. I. DuPont de Nemours Co. as a sales representative.
- ARTHUR B. AUSTIN, '32, 445 South River Street, Wilkes-Barre, Pa., announces the arrival of a "bundle from Heaven," Linda Jean, born on September 14, 1938.
- LOUIS BARTHOLOMEES, '32, is with the Black Mammoth Mining Co., Silver Peak, Nevada.
- M. E. VOLIN, '33, is with the Mechanical Eng. Dept. of the Morse Brothers Machinery Co., 2900 Broadway, Denver, Colorado.
- T. E. GIGGEY, '34, who is with Ingersoll-Rand Co., has been transferred to the Phoenix, Arizona, Office.
- LEROY HALL, '35, of Chama, New Mexico, up and got married May 21, 1938, to Miss Betty Lee Hilding of Denver, Colorado. Betty and LeRoy were hitched on board ship in South American waters. They are now at Viloco, Bolivia, where he is engineer for the Patino Mines and Enterprises Consolidated.
- CHAUNCEY L. SHARPE, '37, is no longer with Ingersoll-Rand. He now works for the Western Machinery Co., 1649 Blake Street, Denver, Colorado.
- STEPHEN J. BROWN, '37, design engineer for the Bethlehem Steel Co., lives at 84 West Market St., Bethlehem, Pa.
- GEORGE F. JENKIN, '38, is with the Iron King Mining Co., Humboldt, Arizona.
- C. M. DYE, '40, left the ranks of the single September 3, 1938, and wedded himself to Miss Alma Vickers of Lebanon, Mo.

EPSILON

- FRANK B. CHAMPION, JR., '21, is General Sales Manager for the Byron Jackson Company, Box 1507 Arcade Station, Los Angeles, California.
- KILLOGG KREBS, '23, California field engineer for the American Cyanamid & Chemical Co., Azusa, California, is living at 1688 La Loma Ave., Berkeley, California.
- EDGAR A. BROADWAY, '25, is working at the Murwood Gold Mines, Senneterre, Quebec, Canada.
- WILLIAM L. DECARBONEL, '28, is consulting engineer for Masbate Goldfields, and has offices in the Insular Life Building, Manila, P. I.
- ROBERT N. WILLIAMS, '30, is with the State Division of Oil & Gas, Taft, California.
- JOHN E. ALLEN, '31, is a geologist in the State Department of Geology and Mineral Industries, 2102 Court St., Baker, Oregon.
- A. A. FITCH, '32, is now with the United British Oilfields of Trinidad, Ltd., 15 Abercrombie St., Port of Spain, Trinidad, British West Indies.

- WESTON BOURRET, '35, has left the Philippines and is now at 3006 Clay Street, San Francisco, California.
- DAVE NELSON, '35, was severely injured in a mine accident in the Philippines and one of his legs was amputated. For a number of days he was not expected to live, but he pulled through and is now at home at 1036 Ridgeley Drive, Los Angeles, California.
- PAUL M. PRICE, '36, now with Pacific Minerals Co., Barstow, California, was formerly with

- Nevada Cons. Copper Co. at Ray, Arizona.
- CORDELL DURRELL, '36, is on the geological faculty of the University of California in Los Angeles, Westwood, California.
- ROBERT B. GRANT, '38, has a research fellowship in metallurgy at the Utah Engineering Experiment Station, University of Utah, Salt Lake City.
- IVAN F. WILSON, '38, and Miss Ruth Battelle have been Mr. and Mrs. since July 31. The event took place in San Gabriel, California.

ZETA

- E. L. WHITE, '22, gives his address as 209 N. Hite Ave., Louisville, Ky.
- L. H. BROTHERRSON, '24, is Superintendent of Buildings and Grounds for the Kansas City, Kansas Board of Education. Brother Brotherrson has just completed construction on the two-million-dollar Wyandotte High School and is beginning an additional one and a half million dollar program of new school buildings.
- ALEX KENNEDY, '25, is the Kansas City representative for Chain Belt Company, Shafer Bearing Corp., and W. A. Jones Foundry and Machine Co. with offices in the B. M. A. Building.
- KARL ENGLUND, '26, is back in the Engineering Department at the Kansas City Southern Railway Company after spending two years in the Traffic Department of the same railroad, and two years with Lowe and Campbell Athletic Goods Company of Kansas City.
- WALT RISING, '26, is a production engineer for The Marley Company, Kansas City, Mo., manufacturers of atmospheric water cooling equipment.
- TED GRANT, '29, and MARVIN HETER, '34, are doing power plant engineering with the United Light & Power Engineering & Construction Company.
- MARVIN S. HENSLEY, '30, and the Mrs. announce the arrival of a daughter on August 20th who will hereafter be known as Denna Louise. Brother Hensley is now an industrial engineer for Sears, Roebuck and Co. in Kansas City.
- EUGENE MANNING, '33, who, with his wife, has been in Honolulu on business for nearly two years, returned last August to the United States for a few days before sailing for New Zealand where he is now employed. While here he visited old friends in Kansas City.
- EDWIN ELLIOTT, '33, and Mrs. Elliott announce the arrival of Carolyn Sue Elliott, September 25. Ed is with Burns and McDonnell, Consulting Engineers, Kansas City, Mo.
- MARCUS JOHNSON, '33, of Wichita, Kansas, attended the first fall meeting of the Kansas City Alumni Association and was a very welcome guest. His efforts to contact the Kansas City Alumni Association were appreciated and it is hoped his interest will be duplicated by the many Theta Tau alumni who are living in greater Kansas City and are not on the files. Brother Johnson, who inspired these sentiments, is a resident engineer for Employers Mutuals Liability.
- E. M. BRUZELIUS, JR., '34, is working in the engineering department of the Standard Oil Company refinery at Sugar Creek, Missouri.
- GLENN HANDS, '34, is now in Kansas City, still working for Burns and McDonnell Engineering Company.
- LEWIS W. BENZ, '36, is working for the Phillips Petroleum Co. and can be reached at Box 1390, Midland, Texas.
- ROBERT A. RUSSELL, '36, has left General Electric and is now working for Black and Veatch in Kansas City, Mo. He can be reached at 4541 Main, Apt. 4, Kansas City, Mo.
- JOHN GRIST, '37, has been transferred to Kansas City, Mo., and can be reached at 317 West 46th Terrace, Kansas City, Mo.
- GUY GUTHRIE, '37, is working for the State Highway Department in Topeka, Kansas.
- BOB RUSSELL, '37, and PAUL BOREL, '34, are working in Kansas City for Black & Veatch, Consulting Engineers. Brother Russell is quite a candid camera enthusiast and the Kansas City Alumni Association are usually on their best behavior when he is around. Brother Borel has just completed work on a Master's Degree in Business at Harvard.
- W. FLEMING SCOTFIELD, '38, is working for Black and Veatch of Kansas City. "Sco" was married shortly after graduation to Miss Ruth Olmsted of Lawrence. Their address is 724 Spring, Memphis, Tenn.
- GEORGE M. RUSSELL, '38, is working for the Vaught Aircraft Co. His address is 62 Brewer St., E. Hartford, Conn.
- FRED THUDIUM, '38, is studying Aeronautical Engineering at the Ryan School of Aeronautics in San Diego, California.

ETA

JAMES REBER, '14, is Vice-President of the Columbian Rope Company at Auburn, N. Y.
 DAVID SHEPARD, '17, is with the Standard Oil Development Co., London, England.
 MARSHALL N. WATERMAN, '18, has moved to 141 College Ave., Poughkeepsie, N. Y.

WENDELL KAYSER, '18, is now living in Elmhurst, L. I., N. Y.
 JAMES E. JAGGER, '24, is with the Alabama Water Service Co., 1300 Watts Building, Birmingham, Alabama.

THETA

EDWIN A. SLOVER, '23, has the job of General Smelter Foreman, Nevada Cons. Copper Co., Box 412, McGill, Nevada.
 DARWIN J. POPE, '23, formerly with the Cia. Minera Asarco, Charcas, S. L. P., is now with the Cia. Minera Kildun y Anexas, Matehuala, San Luis Potosi, Mexico.
 DOUGLASS R. JUDD, '26, is with the Nordberg Mfg. Co. While he is connected with the

Los Angeles office of the company at 806 Subway Terminal Bldg., his headquarters are for the present at 8207 Outlook Ave., Oakland, California.

KURT MASSFELLER, '37, says his mailing address is 737 Nicholas Place, Rahway, N. J., and his job is with Grasselli Chemicals Division, E. I. Du Pont de Nemours Co., Wilmington, Delaware.

IOTA

ALBERT A. PHILLIPS, '37, sends his address in as 1412 S. Indianapolis Ave., Tulsa, Okla.
 W. P. RUEMMER, '38, has a Fellowship in Metallurgy at the Montana School of Mines this year. He is quite active in Psi Chapter there.
 ROY CORNETT, '38, is residing at 516 Mabel St., Chattanooga, Tenn., where he is working with the Highway Design Section of

the TVA. The "southern gals" seem to be keeping Roy busy.

PAST REGENT E. B. LANIER, '38, can be found at 702 N. Seminole, Okmulgee, Okla. Bert is dewaxing oils.

The sympathy of Iota Chapter goes to JAMES D. EVANS, '38, who was seriously injured in a gold mine shaft. He is now recuperating in the Fairplay, Colorado, hospital.

LAMBDA

WILLIAM B. MAUGHN, '15, lives at 2013 8th St., Salt Lake City, Utah.
 J. DONALD FORRESTER, '28, is a geologist with the International Smelting & Refining Co., Kearns Building, Salt Lake City. He was

recently transferred from Butte where he was geologist for A. C. M. Co. for some years.

ROY WALKER, '34, is with the Link-Belt Co., San Francisco, California.

NU

DORSEY A. LYONS, Hon. '98, lives at 530 Howard Ave., Palo Alto, California. His business address is Mining Exhibits, Inc., San Francisco, California.
 W. WALLACE DARTNELL, '22, is assistant manager of Sullivan Machinery Company at Claremont, N. H.
 T. F. LOUGHRY, '24, 420 Lexington Ave., New York City, is district sales manager of the Surface Combustion Corp., New York City.
 RALPH E. KRAMER, '24, is in the Executive Offices of H. Channon Co., Chicago, Ill. His home is 627 Clinton Place, Evanston, Illinois.
 E. A. BAUGH, '25, calls 1919 West Magnolia, San Antonio, Texas, his home.

C. P. PROCTOR, '26, makes his home on Route No. 1, Imperial, Pa.

VINCENT B. SMITH, '26, works for the McGraw-Hill Publishing Co., New York City.
 THOMAS F. BRASLOW, '27, gets his mail at 793 South Main St., Lewistown, Pa.

HAROLD N. GEMMILL, '29, lives at 3712 Chatham Rd., Baltimore, Md.

H. R. LOXTERMAN, '30, sends in 217 Lexington Ave., Aspinwall, Pa., as his address.

L. M. BAUGH, '31, says his mail goes to the Kyle Hotel Building, Temple, Texas.

WENDELL W. JONES, '32, gives his address as 1673 Jancey St., Pittsburgh, Pa.

THOMAS W. HUNTER, '32, works for the Irwin Works of Carnegie-Illinois Steel Corp., and gets all mail at 162 Marietta St., Muncie, Pa.

- W. J. HAGENLOCKER, '32, works for the Daugherty Company, Inc., Youngstown, Ohio.
- ARCH MATTESON, '33, who was voted the most promising engineer by Nu Chapter when he was a senior, is now assistant supervisor of tracks at the Pennsylvania R. R. in Philadelphia.
- ROBERT FISH, '33, is in the Industrial and Central Station Sales Department of the Westinghouse Electric and Manufacturing Company. Robert's mail goes to 243 W. 11th Ave., Huntington, W. Va.
- BUCK KRIDER, '33, since graduation, has worked three years in Gimble Brothers Credit Department and has had four trips to England. Buck's mail goes to 1135 N. Negley Ave., Pittsburgh, Pa.
- HAROLD F. NEFF, '33, middle-aided it August 7, 1937. Harold is a Junior Power Engineer with the Ohio Power Co. at Bellaire, Ohio.
- ROBERT R. SMITH, '33, is connected with the Connecticut General Life Insurance Co., 1701 Koppers Building, Pittsburgh, Pa.
- H. T. HARROD, '34, handles coal mining companies in the Wilkes-Barre district for the Westinghouse Electric and Mfg. Co. Brother Harrod's address is 267 N. Pennsylvania Ave., Wilkes-Barre, Pa.
- JOHN E. BORN, '35, completed a two-year training course in the factory of the Harnischfeger Corp., manufacturers of heavy machinery. John is now an assistant in the Personnel Department there, and his mail goes to 3117 W. Highland Blvd., Milwaukee, Wis.
- EARLE R. COLE, '35, gets his mail at 357 W. Malacca St., Akron, Ohio.
- E. W. CHEESMAN, '36, 2200 Prospect St., Cleveland, Ohio. Is that all?
- HENRY RYSHANIK, '37, lives at 424 Flowers Ave., Pittsburgh, Pa.

OMICRON

- MAURICE TANNER, '31, assumed a ball and chain this summer. Congratulations, Brother Tanner!
- CARL E. ("SOX") RANTZOW, '31, is entirely domesticated now. A baby boy has arrived and the family has moved into a house at 911 E. Central Park, Davenport, Iowa. Congratulations, "Sox."
- JOHN L. ROHWEDDER, ex '32, wrote an article on "Improving Lock and Dam Concrete" that was printed in the *Engineering News Record*, February 17, 1938. Keep up the good work, Brother John.
- ADOLPH C. TOPINKA, '34, left the state of single blessedness June 18, 1938. Mrs. Topinka is the former Lenore Stark, of Cedar Rapids, Iowa.
- W. P. "BILL" JONES, '34, has transferred his talent to the sales department of the Farrell-Birmingham Co., New York City.
- It's been rumored on good authority that REX SAYRE, '37, is contemplating wedded bliss in the very near future. Congratulations Rex, and our very best wishes to the future Mrs. Sayre.

PI

- W. W. PARKINSON, '23, is living in Blackstone, Va. W. W. has been among the "Lost Alumni" until recently.
- NEWTON J. PAINTER, '23, works with power lines, substations, and air conditioning as an engineer for Richardson Wayland Electric Corp. of Roanoke, Va.
- E. W. RICHARDS, '29, is still with the Virginia Department of Highways in Norfolk, Va.
- IVY D. CARTER, ex '29, has a new address he wants made known. It is Apt. 1, 2421 Rosewood Ave., Richmond, Va.
- D. ALEX MAYERS, '30, located in Clearwater, Florida, recently became the father of a baby girl. What, no future Theta Taus?
- OLIVER G. FLIPPEN, ex '30, is in the sales department of the Standard Oil Co. of New York.
- JOHN E. BLANN, '31, is working hard—not at engineering—for the U. S. Civil Service Commission. Johnny just completed his term of office as a member of the Executive Committee of the National Capital Alumni Association.
- NELSON W. ROBINSON, '33, is the proud father of a baby girl born September 21, 1938. Nelson can be reached c/o Bureau of Public Roads, Shen. Life Bldg., Roanoke, Va.
- W. SCOTT CARTER, '35, wedded Miss Dana Camper of Ashland, Ky., August, 1938. Mr. and Mrs. Carter are now living in Charleston, W. Va., where W. Scott is manager of the Chamberlain Weather Strip Co. office there.
- CHARLES C. BAILEY, '35, was married to Miss Isabell Allegre of Charlottesville in July, 1938. Brother Bailey is still interning at Memorial Hospital in Richmond, Va.
- BOB COPPER, '36, writes that he is "Putting in time with the Shenandoah Valley Elec-

tric Co-op., and R. E. A. project. Doing lots of drafting—remind Hesse to laugh loud." Don't quite know why Hesse should laugh particularly loud, but perhaps he can explain it. Bob's office is 10 Crowle Bldg., Staunton, Va.

HOWARD B. EDWARDS, '36, is now in the gear engineering department of the Gleason Works in Rochester, N. Y.

JURY Y. BROWN, '37, is now located in Charlottesville, Va., working with the Virginia Public Service Co.

J. T. RUCKER, '37, is still plugging away in the graduate school of the University of Cincinnati.

ARCHER L. JONES, '37, has been promoted to chief plan stamper of the mechanical division of the Newport News Shipbuilding and

Drydock Co. Brother Jones attended the regional conference here at Pi—we were mighty glad to see him.

PETER FERRER, '38, is now working as Junior C. E. for the city of Charlottesville, Va.

LLOYD T. OLSEN, '38, now in the Harvard Graduate School, taking Highway Traffic Engineering, lives at 53 Oxford St., Cambridge, Mass. Had a long letter from him recently.

HARRY COWGILL, '38, just obtained a position as Junior Mechanical Engineer in the Philadelphia Navy Yard.

HERBERT LANDIS, '38, has a position somewhere in South America. We don't know just where, but he can be reached through his home in East Orange, N. J.

PHI

FELIX BURNS, ex '32, tripped lightly to the altar November 1 of this year.

KENNETH TIMMINS, '38, has recently accepted a position with the Read-Kennedy Co., Anderson, Ind., where he works in the stock room.

JACK VANDERFORD, '38, works for the Perfect Circle Piston Ring Co., and his mail goes to the company at Hagerstown, Indiana.

G. L. HERMAN, '38, is an engineer on W. P. A., and is helping to move Shawneetown,

Ill., back on high ground. Send all G. L.'s mail to Shawneetown.

HARMON STECH, '38, last year's Regent, is now working for the Hoosier Stamp Co. in Evansville, Indiana.

W. K. MILNE's '38, present address is 209 N. Riverside St., Elkhart, Indiana.

HAROLD "FLEECY" CLOUD, ex '38, has resigned his position at the Link Belt Co., and is now an industrial engineer for the Aladdin Industries. Send all mail to the Aladdin Industries, Alexandria, Indiana.

CHI

ROBERT E. S. HEINEMAN, '26, El Encanto Estates, Tucson, Arizona, is still mineralogist for the Arizona State Bureau of Mines.

DAVID C. MINTON, '30, sailed in September for the Philippines with his wife and son to become professor of metallurgy in the College of Engineering of the University of The Philippines. During the past year he was on the staff of the University of Arizona.

JOHN ANDERSON, '30, is still purchasing agent for the University of Arizona and lives at 816 E. 2nd St., Tucson, Arizona. John announces the addition of a daughter to his family October 24.

LEO LAINE, '31, is with the Water Resources Branch of the U. S. Geological Survey at Memphis, Tenn. He visited Tucson, his old home town, this September.

LEON MAGEE, '32, and PETE KIERNAN, '32, two of our bachelor alumni are with the U. S. Reclamation Service at Bartlett Dam, Cave Creek, Arizona. Take note of the marriages of some of the other Chi men at Bartlett, boys.

WALDO HUBER, '32, is reported living in Mesa, Arizona.

FRANK LOSEE, '32, is selling life insurance in Phoenix, Arizona, and keeps an eagle eye open for jobs for our new men.

LARRY BOOHER, '33, and BILL KILLIP, '34, are living in Safford, Arizona, and are with the U. S. Soil Conservation Service.

JOHN McNARY, '34, is with the Tucson Gas, Electric Light, and Power Company.

FRANK KELLER, '34, is still with the U. S. Soil Conservation Service in Safford, Arizona, and is working on CCC projects.

GEORGE HOUSTON, '36, holds forth in the City Engineer's office in Tucson, Arizona, and is working on the paving design of the big paving program now in progress. The recent arrival of a second daughter makes George the first Chi man to have two children.

FRANK CLINTON, '37, was wedded to Miss Mary Foudy of Phoenix on August 23 at Vail, Arizona. He is with the U. S. Reclamation Service at Bartlett Dam, Cave Creek, Arizona. May all your troubles be "little ones," Frank.

HOWARD FINK, '37, is at Bartlett Dam with the U. S. Reclamation Service. Howard took the fatal step and got himself hitched October 24.

ALTON CANNON, '38, is working at the Lynx Creek Placer Mine, Prescott, Arizona.

KENNETH HAMMES, '38, works with the U. S. Geological Survey in Los Angeles, California.

HAROLD SPIRES, '38, has just announced his engagement. At present Harold is with the Maricopa County Water Conservation District in Phoenix, Arizona.

GEORGE PIERCE, '38, is holding down a job with the Arizona State Highway Department in Phoenix, Arizona.

ART DIXON, '38, holds down a position in the U. S. Engineers Office in Los Angeles, California.

SAM TUCKER, '38, has been working since his graduation with the U. S. Geological Survey as Hydrographer in the Los Angeles, California, area.

ED YOUNG, '38, puts his Civil knowledge to work for the U. S. Bureau of Reclamation, Redding, California, laying out the construction city previous to the construction of Shasta Dam.

DICK LYNN, '38, has just accepted a junior engineering position with the U. S. Geological Survey as Resident Hydrographer at Roosevelt Dam, Arizona.

JACK C. PIERCE, '38, is with the U. S. Potash Co., Carlsbad, New Mexico.

Among those alumni present at the Founders' Day banquet were FRANK LOSEE, '32; HAROLD SPIRES, '38; JOHN McNARY, '34; and GEORGE HOUSTON, '33. Come back often, boys.

PSI

DAVE PIPER, '36, hands his weekly pay check over to the better half at 1732 Adams St., Butte, Montana. Dave is employed in the Engineering Department of the Anaconda Copper Mining Company.

ROLLIN WELLS, '36, is doing his bit for the copper industry at Anaconda, Montana. Pillows support his weary head every night at 613 West Fifth St., in the above town.

MEL WILLIAMS, '36, employed by the South American Development Company, will inform you what "casilla" means if you write to Casilla 272, Latacunga, Ecuador, S. A.

FRANK TRASK, '36, is now a junior engineer with the Cotopaxi Exploration Co. He lives in Latin langour at Latacunga, Ecuador, S. A. And—oh yes, Casilla 272 in front of all that will help find him.

AL RAMBOSK, '37, can be found at Tendoy, Idaho. The Copper Queen Mine is the place of Al's employment.

ALBERT SCHLECTEN, '37, has taken his sombrero and chaps to 404 Marlborough St., Boston, Mass. When not instructing at M. I. T., he—well, we know Scoop.

ELTON A. YOUNGBERG, '37, writes that letters addressed to him at McMinnville, Oregon, will be read with interest. Mrs. Youngberg will see that her hubby answers pronto.

LEO GALLAGHER, '37, is on the engineering staff of the Marietta Mining and Milling Co., Alder, Montana.

BERNARD TARRANT, '37, is employed by the Ingersoll-Rand Company. Bernie can be

found at Pottsville, Pa., and where you find him there will be the better half.

ROBERT LAWSON, '37, now married and in the pipe, slippers, and fire-place stage, draws checks from the Ingersoll-Rand Co. The domestic time clock is punched daily at 88 W. 197th St., Apt. 1-C, New York City.

KALERVO HYYPPIA, '38, is night foreman at the Sunlight mine near Whitehall, Montana. Speaking of unusual jobs—!

KALERVO HYYPPIA, '38, is now burrowing in the Pre-Cambrian schists—object: gold. All letters addressed to him at Jefferson Island, Montana, will be answered. No samples sent upon request.

Editor's Note: Is he twins, Dr. Jekyll and Mr. Hyde, or is somebody wrong?

JOHN T. HOLLERAN, '38, has gone to Fort Peck, Montana, to repair the damage done by the recent rock slide.

GEORGE T. HANSON, '38, is now making small ones out of big ones in a metallurgical plant in Glendale, Oregon.

WOLTER DUYKERS, '38, our promising young pedagogue, is now holding the torch of learning in Libby, Montana.

The address of WALTER DEZELL, '38, is 728 W. Quartz St., Butte, Montana.

VIRGIL R. CHAMBERLAIN, '38, is now employed by the U. S. G. S., and may be reached at Ashland, Montana.

CLARENCE J. MITCHELL, '38, may be found among the tables and crushers at Chapman Camp, Kimberly, B. C. He is greeted at the door every night by the Mrs. and David, age one year.

OMEGA

FRANK BOHAC, '35, does not report what he is doing but gives his address at Orel, Nebraska, Box 266.

DON MUCKLER, '36, receives his mail at 101 4th St., E., Morris, Minn.

RAY VERSAW, '36, gives his address as Olney, Texas.

JAMES SCOTT, '37, is employed by the Bureau of Public Health and gets his mail at Box 817, Aberdeen, S. D.

BILL BURLISON, '37, may be contacted at San Juanito, Honduras, South America, c/o The Rosario Club.

JOHN TRANTINA, '38, has accepted a fellow-

ship in the Geology Department of the Missouri School of Mines, Rolla, Mo.

PAUL DONALDSON, '38, is working as a draftsman for the Soil Conservation program in Rapid City, S. D.

SYLVESTER B. DICKEY, JR., '38, has gone to Oroya, Peru, as junior metallurgist for the Cerro de Pasco Copper Corp.

MORTON SMITH, '38, is taking graduate work at Lehigh University, Bethlehem, Pa. Brother Smith is doing work in the Department of Metallurgy.

HAROLD BUUS, '38, receives his mail c/o The American Museum at Gordon, Nebraska. Harold is busy gathering badland fossils.

GAMMA BETA

JAMES A. KELLEY, '28, ROBERT W. MOORE, '32, and WARREN L. LAWTON, '34, are with the U. S. Department of Agriculture,

Bureau of Public Roads, Washington, D. C.

R. DONALD KINNEY, '29, who has been associated with the building construction industry for some years is now an inspector in the office of the Inspector of Buildings,

Washington, D. C. H. WARREN STEWART, '28, is located in the same office.

FIRMAN P. LYLE, '32, formerly with the U. S. Patent Office is now with the Patent Department of the Westinghouse Electric and Manufacturing Company in Pittsburgh,

Pa.

G. CHESTER THOM, '32, recently transferred from the Naval Gun Factory, Washington Navy Yard, to the Bureau of Construction and Repair, Navy Department, Washington,

D. C.

H. VELPEAU DARLING, '33, has just returned from a month's inspection trip in the Mississippi River Valley. He is a civilian en-

gineer with the Board of Engineers for Rivers and Harbors, U. S. Army.

Our sympathy is extended to Brother ELLSWORTH J. HAND, '33, and family in the recent death of Mrs. Hand.

FRANK E. BAILEY, '35, FRANK H. BRONAUGH, '31, JAMES L. JOHNSON, '34, and probably some others are examiners in the U. S. Patent Office, Washington, D. C.

PAUL MOATS, '36, and KENNETH L. SHIRMAN, '31, work for the Carnegie Institution of Washington. All three are in the Department of Terrestrial Magnetism.

C. ARMISTEAD MOTZ, '36, is now with the International General Electric Company, Schenectady, N. Y., having "graduated" from the Test Course.

T. RITCHIE EDMONSTON, '36, has recently joined the firm of R. H. H. Spidel, Concrete Contractor and Engineer, of Washington, D. C.

KARI O. VARTIA, '37, has forsaken us for a job in Denver, Colorado, with the Bureau of Reclamation.

INVOICE

Apparently performed in the days when low prices prevailed, the following items of labor (some of which sound more like miracles) seem very reasonable.

They appear in the records of a church at Derbyshire, England.

TO WORK DONE

To Soldering and repaying	
St. Joseph	:-:8
Screwing a nose on Ye Devil,	
putting a horne on hys hede,	
and glying a byt on hys tayle	1:1:-
Repayring Ye Virgin Mary be-	
fore and behynde, and making	
a new Chylde	:-:4:6

£1:6:2

LOST ALUMNI

The following members are "lost" to the GEAR files. Will each reader look over the list, particularly of his own chapter, and send in the addresses of any of the men he knows. The inclusion of these men's addresses will make the new directory much more complete.

ALPHA

McRae, Randolph J., '07
Warren, Alvah H., Jr., '08
Miner, Robert L., '10
Dallimore, Arthur N., '08
Hartman, Leon R., '14
Lutz, Richard E., '16
Geib, George A., '15
Stickney, Robert A., '18
Ek, G. Alban, '16
Calhoun, Robert A., '23
Russell, John A., '18
Siekkinen, Charles A., '18
Zanger, Eugene, '21
Elliott, Harry C., '19
Webster, William H., Jr., ex '22
Morse, Albert W., Jr., '29
Kroll, Arthur J., '25
Malmgren, Richard V., '25
Mears, Leon A., '29
Lockhart, Harold A., '29
Fenton, Ransford W., '30
Dowd, James E., '32
Jolly, Leo J., '30

BETA

Kingston, Carl J., '06
Wing, Homer W., '08
Alsip, Albert A., '08
Kratz, Arthur M., '05
Bartlett, Hiram L., '04
Riker, Eugene A., '10
Evans, Carl W., '11
Scott, James R., '11
Elliott, Gordon D., '12
Shields, Chester P., '16
McLean, J. B., ex '16
Woodlief, Harold E., ex '19
Whately, William J., ex '20
Abrahamson, Carl W., '21
Richards, Alvin B., '22
Smale, Laurence A., '22
Travers, John H., '22
Fay, William M., ex '22
Tessmer, Max A., '23
Nilsen, Nels E., '24
Moore, Charles F., '27
Robb, Cyril B., '26
Cooper, Paul, '31
Fiedler, Harry L., '31
Putnam, Gilbert E., '32
Wilson, Harold E., '35
Smith, Lyle W., '24

GAMMA

Kilgour, Martin H., '08
Jones, E. F., '10
Fritch, George M., ex '11
Robinson, H. A., '17
Ziegler, Victor, Hon.
Gibson, Robert W., '18
Oliveros, Reginald P., '17
Young, Guy K., '18
Bailey, Donald L., '21
Graham, David J., '21
Linderholm, Carl T., '23
Houselle, J. Kell, '22
Price, Bailey E., '23
Crawford, George W., '23
Brown, Firman H., '24
Auman, Egbert E., '24
Woods, Rolland H., '24
Davis, Thomas, '25
Christopher, John, '25
Stott, Charles E., '25
Weimar, William D., '25
Stewart, Charles H., '26
Denning, Wayne H., '26
Amsden, Burton F., '25
Sheahan, John A., '26
Cline, William W., '30
Eads, Harold E., '30
Woodburn, James E., '31
Carruthers, Francis J., '31
Snow, Gaylord R., '32
Kingman, Edward F., '34
Tilzey, Mervin S., '35

DELTA

Haeberle, Carl F., '11
Strong, M. Roy, '12
Scott, John C., ex '14
Lavan, Thomas J., '14
Moses, John E., ex '15
Rose, Howard L., '16
Sprowl, Norman E., '17
Main, Walter C., '17
Thornton, Peter J., '19
Jenks, Karl E., '19
Helwick, Theo. W., '21
Seager, Arthur F., '22
Walton, George M., '22
Clancy, Walter F., '21
Wherry, Harry B., '23
Fitzgerald, Horace D., '24
Myers, Robert E., '24

Billingsley, William F., '24
Moseley, Edgar T., '24
Byal, Fred R., '26
Goll, Frank D., '24
Kaufmann, Vincent A., '24
Hammond, Charles J., '25
Bailey, Harold L., '25
Yost, Paul F., '26
Kemble, Edw. D., '28
Parr, John B., '28
Volmar, Elwin B., '30
Herzegg, Frank, '30
Perkins, John C., '16

EPSILON

Schroeder, Walter H., '11
Stanton, Wolcott P., '12
Davis, Sherwin B., '12
Wilson, Frank L., '12
Feeley, John C., '13
Hendricks, John A., '14
Douglas, James M., '15
Brett, Austin H., '15
Adair, Samuel E., Jr., '16
Starbird, Roy, '17
Schilling, Carl H., '17
Barkis, Henry B., '17
Kohle, Lester F., '18
Wall, E. Raymond, '18
Grinsfelder, Samuel, '20
Salisbury, Ralph T., '21
Metz, John, '22
Chapman, Leslie H., '22
Given, Paul A., '23
Bramming, Victor E., '22
Lee, Huyler W., '22
Lloyd, Harold B., '23
McDonald, Orlando G., '24
Bailey, James P., '20
Chisholm, Edmund H., '25
Letchworth, Pierre E., Jr., '24
Simpson, Edw. C., '21
Christensen, Ranson N., '32
Smith, Leslie A., '31
Welles, Samuel P., '29
Fox, Cyril, '34

ZETA

Brown, Nathan W., '15
Harris, Alfred, '16
Hunt, James L., '16
Groft, Andrew J., '15
Madden, Frank A., '16

Buckhannan, Joseph P., '16
Madden, J. Edgar, '18
La Mer, Joseph S., '19
Ferguson, Robert E., '20
Bown, William F., '21
Smith, Eldon B., '23
Nichols, Ralph W., '25
Peirce, Herbert K., '27
Flatt, James A., '30
McMurray, W. Kenneth, '30
Cole, Preston A., '35
Fultz, Allen R., '37

ETA

Nelson, Louis M., '23
Smith, Roscoe H., '23
Spiker, Samuel R., '25

THETA

Bird, Henry E., '14
Thomas, James A., Jr., '15
Kenvin, Thomas B., '17
Gibson, A. Wallace, '17
Dixon, Max M., '17
Somerville, William B., Jr., '17
Aboucher, Sylvain S., '17
Kreutzer, Louis G., '21
Benedict, George B., '23
Crawford, John, '22
Dehls, Frederick, '22
Conover, Alonzo E., '24
Guinness, William F., '25
Harnett, Daniel E., '25
Booss, George F. C., Jr., '26
Ferreira, Edgard, '27
Boeker, Gilbert F., '27
Olstad, Martin H., '27
Buddine, Norman T., '28
Devereux, Richard A., '28
Theobald, John J., '27
Kearney, James A., '30
Duhig, Maurice M., '29
Knox, John J., '29
French, John L.,
Ludeman, Richard H., '33
Wilson, William A., '35
Hyde, Arthur D., '25

IOTA

Cunningham, Lorain H., '18
Maness, Orie N., '18
Williams, Anvil C., '21
Werner, Walter A., '23
Campbell, Jack P., '24
Rathbone, Stuart M., '25
McKee, Edward J., '27
Fleming, John W., '25
Cushing, Edward R., '27
Temples, William S., '28
Richardson, Ralph L., '30
Thoroughman, Frank M., '32
Schmitt, Fred J., '32

KAPPA

Rogers, Harry T., '16
Derby, Sylvester R., '15
Dutton, Herbert B., '17
Davis, John W., Hon. '10
Machovec, Edw. P., '18
McCormack, Thomas H., '20
Foster, Frank W., '18
Johnson, Ralph B., '20
Bowersock, William, '19
Buchheit, George C., '21
Wright, Clarence S., '21
McClelland, Ralph L., '22
Cameron, William R., '20
Leeming, Mason S., '22
Macdonald, James W., '22
Wharton, Russell F., '22
Zeek, L. Donnell, '22
Chamberlain, H. C., '22
Murphy, C. J., '23
Sortor, Ralph F., '23
Ryan, W. Emmet, '23
Happenny, John C., '25
Cope, Allison J., Jr., '26
Mason, Clarence E., '26
Brennan, James E., '25
Patterson, Harold L., '25
Rich, Francis M., '25
Seepe, Richard A., '26
Borgeson, Carl A., '25
Peterson, Rudolph E., '25
Pierce, William K., '25
Anderson, Corliss D., '26
Tucker, Morrell L., '26
Rueb, Fred Jr., '26
DeMent, George L., '27
Linguist, Lester L., '26
Peterson, Donald E., '28
Morrison, R. F., '29
Masterson, C. T., '28
Smith, Sydney D., '28
Smith, Harold F., '29
Jenkins, Walter D., '29
Luckman, Charles I., '30
Kay, Fred D., '30
Biondi, Reno J., '30
Reeder, Edwin T., '30
Ridgeway, William F., '31
Wittbold, Richard H., '31
Logan, Arthur L., '31
Loomis, Albert E., Jr., '32
Purl, Raymond C., '37

LAMBDA

Holdaway, Vaughn L., '20
Bonner, James T., '20
Gillis, Raymond A., ex '19
Marthakis, Peter S., '15
Maughn, William B., '15
Varley, Thomas, '17
Spriggs, Herbert, ex '17
Christensen, Lawrence A., '11
Pack, Frederick J., '04
Nelson, Heber S., '19
Besley, Stephen H., '12
Perry, Robert A., '19
Margetts, Sumner G., '17
Jacobsen, Lewis K., '24
Smith, William A., '22
Maw, Glen J., '22
Rumph, Lee M., '21
Stephens, Leone R., ex '21
Kimerer, Keith C., ex '21
Ford, Wesley H., '22
Davis, Franklin L., '26
Goldsbrough, Shirley L., '21
Whitney, Gary M., '18
Love, Henry L., '14
Riter, Samuel W., '21
Webb, Spencer E., '22
Browning, Thomas C., ex '23
Gilmer, Charles W., ex '22
Pett, Lorenzo F., '22
Callahan, Martin E., Jr., '22
Lee, Karl C., '23
Oddie, Henry W., '22
Farnsworth, Wayne H., '24
Kerr, Stephen L., '23
Grey, John S., '23
Shelley, Wayne L., '25
Harlan, Stephen C., '24
Weiler, Malin R., ex '24
Smith, Niel F., ex '24
Winn, John R., '23
Richards, Leland S., ex '25
Jensen, Theodore C., '24
Whitney, Hardin A., ex '25
Fryberger, Delbert O., '24
Haylor, Herbert C., '24
Ellerbeck, Thomas R., '25
Traver, Clarence H., ex '25
Trinnaman, James E., '25
Heyman, William F., '25
Deck, Arthur C., '28
Olsen, Arthur K., '29
Wadsworth, Darrell B., '26
Coombs, Clyde F., ex '25
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