

THE GEAR

OF THETA TAU



Grand Regent Daniels

Volume XXVII *Number 2*

SPRING, 1958

The GEAR *of*
THETA TAU



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VOLUME XXVII

NUMBER 2

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

FOUNDERS

ERICH J. SCHRADER
W. MURRAY LEWIS

ISAAC B. HANKS
ELVIN L. VINAL

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- ERICH J. SCHRADER, Alpha '03 *Grand Scribe*
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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 23, 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 3323, 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.
- CII, *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.



Front row: Mercer, Daniels, Glass, Schradler, Hopkins, Vvayzer, Nimmz, Curtis, Howe, Brittain
Second row: Joubert, Bjick, Blane, Evans, Young, Johnson, Laruns, Adams, Scanton
Third row: Wyatt, Dickey, Adams, Snow, Chackovitch, Vandorfud, Edwards, Boyle, Bulkeley, Taylorway
Fourth row: Dierwaldie, Morgath, Schowen, Ross, Smith, Oberbock, McCredie, Weber, Russell

The H. H. Hopkins Biennial Convention

After an interval of four years, Theta Tau returned to Chicago for its 13th Biennial Convention, with headquarters at the LaSalle Hotel. Delegates arriving on the evening of December 28th were pleased to find that the Chicago Alumni Association had arranged for a much milder variety of weather than that which prevailed during the 11th Convention.

An even warmer reception awaited those able to attend the smoker held in the parlors on the mezzanine floor of the hotel. Here a goodly number of Chicago alumni greeted the national officers and delegates. Grand Treasurer Vawter, alternating between heavy black cigars and a pipe, whose strength can only be estimated, was perhaps the ringleader in seeing that the event was not a smoker in name only. Others, following his example, soon spread a friendly haze over the meeting and friendships blossomed rapidly.

Examination of delegates by the Credentials Committee occupied a part of the evening, but as the bright lights of Chicago's famous Loop continued to beckon, it was noticeable that by twos and threes and even larger groups, the boys gradually drifted out of the hotel.

Came the dawn, and, with a freshness on their faces which belied the night's activities, the delegates assembled for the first formal meeting

of the Convention. The following Theta Taus were in attendance:

OFFICERS

- H. H. HOPKINS, Beta '09, Grand Regent
J. M. DANIELS, Hon. Nu '22, Grand Vice-Regent
FRANK J. SCHRAIDER, Alpha '01, Grand Scribe
JAMISON VAWTER, Zeta '16, Grand Treasurer
DONALD D. CURTIS, Omicron '19, Grand Marshal
RUSSELL G. GLASS, Sigma '24, Grand Inner Guard
R. W. NEWBER, Zeta '28, Grand Outer Guard
P. L. MERCER, Omicron '21, and J. W. HOWE, Omicron '24, Editors of THE GEAR.

DELEGATES

- Alpha—HARRY A. LARSON
Beta—KARL BJORK
Gamma—RICHARD J. SCANLON
Delta—DONALD L. SNOW
Epsilon—JAMES L. JONSBRY
Zeta—GEORGE W. RUSSELL
Theta—ANDREW CHICLOTICH
Iota—W. F. OBERBECK
Kappa—STEWART E. FRENIE
Lambda—WILLIAM E. BUCKLEY
Mu—CARL ADAMS, JR.
Nu—DAVID G. EDWARDS
Omicron—PAUL E. WERER
Pi—BUCK DENWIDDIE
Rho—H. B. SMITH
Sigma—NORMAN E. SCHIGWE
Tau—WILLIAM F. BOYLE, JR.
Upsilon—JACK WYATT
Phi—JACK VANDERKOPF
Chi—EDWARD L. YOUNG, JR.
Psi—WM. D. TRUTHWAY
Omega—HAROLD W. BOUS
Gamma Beta—GEORGE E. REINE

ALTERNATES

- Alpha—DONALD R. JOHNSON
Beta—HENRIK KRÖHN
Lambda—RAY MORGAN
Omega—SYLVESTER B. DUFFY, JR.

ALUMNI ASSOCIATIONS

- Chicago Alumni Association
DONALD B. FRENCH, Delta '11
Twiss City Alumni Association
CHARLES BRITZINA, Alpha '33
International Alumni Association
E. J. SCHRAIDER, Alpha '01

Brother Aleson, acting as temporary chairman, called the meeting to order and the national officers were received in due form, Grand Regent Hopkins taking the chair. As the first order of business, the major committee assignments were read by the Grand Scribe. Grand Regent Hopkins then gave his biennial report and drew attention to the success of the regional meetings as the outstanding development of the biennium. He also discussed briefly the preparation of plans for a chapter activity contest.

An important recommendation of the Grand Regent was that the date and place of the biennial convention be determined and announced at least ninety days in advance of the meetings so that all concerned might have ample time to plan for attendance.

The memorial service for the departed brothers was put on in a most impressive fashion by the Executive Council.

Following this the national officers continued with their reports. Grand Vice-Regent Daniels gave a thoughtful discussion of fraternity spirit and unity and explained in some length the growth of plans for a chapter activity contest. Grand Scribe Erich Schrader reported that chapter response had been good during the biennium and that he had therefore been relieved of nearly half of the normal correspondence burden of his office. He called attention to the recent accrediting of engineering schools by the E. C. P. D. as affording some assistance in passing on the desirability of accepting petitions from local groups in various technical colleges. Speaking in behalf of the alumni, with whom no member of the fraternity enjoys wider acquaintance, he urged that this Con-

vention give serious consideration to the publishing of a new directory.

Grand Treasurer Vawter gave a resumé of the financial transactions of the Fraternity during the biennium and stated that the business of the past two years showed a modest profit. Grand Marshal Curtis, like the Grand Scribe, reported good co-operation from the chapters. He stated that the total number of shingles issued to Theta Taus was now 6611. He reported on three chapter visitations during the biennium and made certain recommendations on ways in which the chapters could further help him in his work.

Grand Inner Guard Glass and Grand Outer Guard Nusser reported on chapter visitations and on their favorable reactions to the first Regional Meetings, Brother Glass having attended the meeting at Sigma Chapter and Brother Nusser the one at Omicron.

The Alumni Association reports were next, and for the most part indicated continuation of the normal activities and interest. The work of the Kansas City Alumni Association with high school students interested in engineering suggested an activity worthy of the attention of other alumni groups.

The active chapter reports were the next order of business and these afforded an opportunity for each delegate to compare his chapter's condition with that of the others. The reports in the main revealed a rather healthy condition throughout the Fraternity. Included with the report of Brother Vanderford of Phi Chapter was an extemporaneous account of the unusual record of their recently initiated honorary member, Ralph R.

Tector, a biographical sketch of whom appears on page 22.

The second day was spent largely on committee reports. The Auditing Committee reported the Grand Treasurer and THE GEAR books to be in order. The Extension Committee did not recommend favorable action on two groups considered. The Discipline Committee made a recommendation for expulsion of one member, and the recommendation was accepted (see page 19). Minor changes in the wording of the constitution were suggested by the Constitution Committee and these were adopted. The Credentials Committee found the delegates quite proficient in ritualistic matters.

The Committee on Chapter Award proposed a plan of chapter competition and comparison which would enable the Awards Committee to rate the chapters upon their conduct and efficiency. The first contest is to close in June 1939 and the award will be made at the 14th Biennial Convention. The award was named the "Erich J. Schrader Award."

The Publications Committee, in response to the many requests of the national officers and the alumni, reported favorably on the proposal to issue a new directory of members. The plan submitted by the committee and approved by the Convention, contained an estimate of cost and a scheme for chapter aid in soliciting alumni addresses. By this plan each chapter is to reach its own alumni and secure the data required from them for the directory, but the printing and mailing expenses involved are to be borne by the Fraternity at large and the chapters are to be compensated for their work on a sliding scale basis designed to encourage complete returns.

On the evening of the 30th the Convention Banquet, sponsored by the Chicago Alumni Association, was held in the Medical and Dental Arts Building. Following the ample repast Brother Jackson, Phi '26, took charge and gave an able demonstration of the fine art of toastmastering. The welcome address was given by Brother Don B. Frisbie, Delta '11, newly elected president of the Chicago group. Responses were given by all of the national officers and some of the delegates, but the honors of the evening were divided between Past Grand Regents R. J. Russell and Erich J. Schrader, who reached inspirational levels in their addresses.

The last morning saw the report of the Resolutions Committee, the discontinuance of voluntary alumni dues, the approval of a non-engineering honorary member, and the election of officers for the coming biennium. The following brothers were elected to serve:

Grand Regent—J. M. Daniels of Nu Chapter
 Grand Vice-Regent—Russell Glass of Sigma Chapter
 Grand Scribe—Erich J. Schrader of Alpha Chapter
 Grand Treasurer—Jamison Vawter of Zeta Chapter
 Grand Marshal—Donald D. Curtis of Omicron Chapter
 Grand Inner Guard—R. W. Nusser of Zeta Chapter
 Grand Outer Guard—Norman B. Ames of Gamma Beta Chapter

The new officers present were properly installed and the 13th Biennial Convention adjourned. By resolution, the Convention was designated as the Herman H. Hopkins Convention in appreciation of the splendid service record of the Past Grand Regent.

Growth of the Fraternity

The following data, taken from the Grand Scribe's report, shows the growth of Theta Tau from year to year since 1925 as well as during the past biennium.

The past biennium saw the third largest increase in the last twelve years, indicating that the depression is probably being left behind.

The second part of the table shows the increase in individual chapters. It will be seen that Gamma Chapter has initiated the greatest number of men.

DATE	BIENNIUM		INCREASE
	BEGINNING	END	
1925-27	2945	3182	237
1927-29	3182	4183	1001
1929-31	4183	4824	641
1931-33	4824	5411	587
1933-35	5411	6011	600
1935-37	6011	6641	630

CHAPTER	PAST BIENNIUM		INCREASE
	1935	1937	
Alpha	402	420	18
Beta	398	427	29
Gamma	457	509	52
Delta	348	399	51
Epsilon	406	413	7
Zeta	317	393	76
*Eta	301	301	0
Theta	223	247	24
Iota	329	363	34
Kappa	444	472	28
Lambda	341	378	37
Mu	201	236	35
Nu	263	304	41
*Xi	10	10	0
Omicron	209	228	19
Pi	183	216	33
Rho	188	210	22
Sigma	186	204	18
Tau	174	193	19
Upsilon	108	118	10
Phi	132	164	32
Chi	114	142	28
Psi	33	64	31
Omega	90	113	23
Gamma Beta	49	68	19
Totals	6012	6641	629

*Charter suspended.

Convention Patter

Due possibly to hardening of the arteries or decreasing stamina the editors did less nocturnal scouting at the 13th convention than they have in the past. However, some observations were made and some news trickled in through conversations. Accordingly, the lid is to be lifted slightly so as to give a rough idea of what goes on at these affairs.

At each convention there is always some delegate who impresses himself upon the convention. This time we'd say it was the quiet, bashful representative of Zeta down in Kansas. This brother it was who while reporting on the importance of Zeta men in the engineering college, admitted

modestly, "In fact, we run the damn thing." The crack, "Despite the borrowed tuks they still looked like engineers" was also brought to light by the Kansan. Rumor has it that this brother, accompanied by an Omicron man or two, stayed out the program at the Edgewater Beach, then adjourned to the Club Silhouette where Nyra Lou was in full swing with her "dance of desire". So enthusiastic did our man become, and so vaciferously did he beat the table with a bottle that—well, the boys left the Club Silhouette. There were other and similar experiences, but since we can't ride this subject much longer without buying a saddle we will stop with the Zeta delegate's in-

ability to catch a train out of Chicago. An afternoon train and an evening train got away somehow, but we believe that the one the next morning stood in one place long enough to enable our delegate to board it.

Then there was the Rho delegate who set forth on an errand of gallantry about 9:30 and headed east (he thought) toward the I. C. Station. An hour later he was picked up well toward Cicero by a band of cruising delegates and delivered safely to the South Side. By that time it was after eleven but we understood she was still up.

wouldn't dare mention the number THIRTEEN. So far as the Editors are concerned, the wishing off of the Directory labors on us is ample evidence that THIRTEEN is still a dangerous number.

We missed the balladists who so graciously entertained us four years ago at the banquet with that soul-touching melody "Down on the Farm". This omission was all but forgotten, though, as the after dinner speaking swung into action with each taking his turn trying to outdo his predecessor in relating incidents of a humorous nature.



Khine, Bulkeley
Khine swears it was water

Tierhewey, Joubert, Dickey
None left for them?

A chemical engineer swears that the doughty football player from Theta has a formula for deodorizing beer. At least there was no sensory evidence of the load he carried.

What happened to the Jacqueminot roses supposed to bloom on the dais each day of the Convention? This seemed to us a pretty grand old custom so we were sorry to see the rite skipped this time.

The fact that this was the THIRTEENTH Biennial Convention was scarcely mentioned at any of the sessions. We are now wondering whether Theta Taus as a group are not superstitious or whether all are so far gone that way that they

Some of the interesting statistics derived from the personal questionnaire filled out by each delegate to the Convention were as follows: Out of the 23 delegates to the Convention one was a graduate student, 14 were seniors, and the remainder juniors. Ten of them were serving their chapters as Regent while six more held some other chapter office. Six were taking chemical engineering, five mining, five mechanical, four electrical, and only three civil engineering. At least fifteen of them are affiliated with other fraternities either general or honorary. Seven professed to playing musical instruments, while five could qualify as singers. In the hobby field a wide range of interests was

noted. Five men listed various athletic sports as their hobbies, four liked to fish and hunt, four were candid camera addicts, four turn to stamp collecting for diversion, while two—and this is really surprising—indulge in art, painting and sketching.

It will never be known who did it, for those concerned are a bit hazy on the matter, but it seems that just as Earl Hines was to go on the air at the Terrace Gardens some Theta Tau brought forth a mighty "FATHER HINES" which was heard from coast to coast, and which momentarily flustered the experienced announcer who was just about to say the same thing. Yes, the boys left.

Not many were interested in the amount of day light that filtered into the Loop and we of the open spaces completely underestimated the viscosity of the substance Chicagoans innocently believe to be air. After coaxing numerous delegates out onto a fire escape made out of delicate looking steel bars and admonishing each newcomer to take hold of something before looking down some twenty stories, we shot several pictures. Despite the fact that it was noon, a two-second exposure with the old camera wide open gave results which left much to the imagination. Here's the best shot.



..... Schewe and Joubert (we hope)

Other amateur photo fans did some better, but light seemed to be a scarce commodity. An interesting shot of the Mu delegate putting some night

club chorines through the Big Apple *A la Bamma*, we're sorry to say, is too dim to reproduce. It looks *interesting* and we understand that our brother got a big hand at the College Inn.



Johnson, Morgan and friend

Some of the boys did right well by a slot machine at sophisticated "Kitty's". There was a little misunderstanding as to whether the winnings paid for beers worth 10c or 25c, but it's hard to beat a Theta Tau.

Everyone seemed a bit hazy on the dance put on in the LaSalle lobby one morning, but some of the participants came into quite a hoard of pennies. The spectators seemed well supplied.

One delegate lost his grip on the train, but more lost theirs in night clubs.

The southern men drew the admiration of all for their ability to carry on without sleep. Returning to their rooms shortly before the time when the sun would have risen, had there been a sun, they encountered heavy traffic through their rooms and finally abandoned the effort to sleep altogether.

Chicago had to be put to bed by someone and apparently some of the delegates did their good deed for the day by taking care of this chore. We understand the dispenser at the Blue Fountain Room was entitled to some overtime because of the feeling of the delegates in this respect.

Couldn't help philosophizing about human nature. On the 30th one could lounge in the Blue Fountain Room by spending only what seemed necessary for refreshments. Twenty-four hours later, New Year's Eve, there was a cover charge of \$11.00 per couple for the same spot. You guess which night was crowded!

gate, on the banquet program—the first time for such an occurrence.

We feel the Publications Committee should be mentioned. After listening to former and present GEAR editors from 2 a.m. to 3 a.m. they went into a huddle and sat up with the plan for a new directory, until it was finished. The time was about 4:30 a.m. we heard.



Wyatt and Adams came up for air



Truthewey and Scanlon
Union Station

Many were impressed with the banquet speeches. After the important ones had been made it was truly amazing how each succeeding speaker had a little bit stronger yarn than the last one. It looked prearranged, but we know that it wasn't,—indicated a large repertoire with possibilities for selection, we presume.

In the serious vein, we must note the appearance of Don Frisbie, President of the Chicago Alumni Association, and his son, Stewart, Kappa dele-

This action was typical. Although, as the more astute readers have guessed by now, the delegates had something of a time, it must be said that each did his allotted committee work and did it well. As a business meeting, as a social event, as an inspiration, and as a foundation for lasting friendships, the convention was a decided success.

An engineer looking through a transit muttered, "Gawd!"

"G'wan!" said his friend. "It ain't that powerful."

Judge: "Who was driving when you collided with that car?"

Drunk (triumphantly): "None of us."

Impressions of the Delegates

DONALD L. SNOW, Delta

As events of the 13th Biennial Convention are recalled, I remember some long and interesting talks that I had with Brothers Howe and Mercer. I want you both to know how much these little *tete-a-tetes* meant to me, for I shall remember them for a long time. It seemed that I found out more about the real Theta Tau from you two—I must also include Russell Glass, our new Grand Vice-Regent—than from anyone else.

You pointed out the importance of the alumni to our fraternity and conversely, the importance of the fraternity to the alumni. Theta Tau, I found, really increases in helpfulness after graduation rather than stopping abruptly as so many other fraternity groups do. Brother Schrader stressed this very same idea at the convention in a story of Theta Taus who were working in the Arabian Desert—I have forgotten the name of the place. The comparison was excellent, so much so that I have recounted that same anecdote several times myself. In mentioning Brother Schrader I cannot help but think of him as the guiding spirit of Theta Tau rather than as a founder. Every important consideration or step that is taken is always tempered with "Erich's" suggestions.

One thing that several of the delegates, among them being Brother Adams of Mu and Brother Oberbeck of Iota, told me was the celebration of St. Pat's Day in their schools. I had heard of St. Pat being the patron saint of engineers, but I never knew that engineers had a fiesta on that

saint's day. The news was brought back to Case School and, although Delta Chapter was not able to begin things on a school-wide scale, some of our members are sponsoring a St. Pat's banquet in the local A. S. C. E. group. The fiesta is a spaghetti dinner—of all things. Brother Edwards of Nu told of a project that his chapter had sponsored, namely: a freshman book list. This particular idea seems a typical Theta Tau function in the school. There were literally dozens of activities that the different chapters have entered into and all of them, you may be sure, were noted by this delegate.

My night life in Chicago after hours was limited, but what there was certainly was up to par. The first night in the Windy City (it rightly deserves its name) Bill Boyle of Tau, Bill Oberbeck, and myself went to one of the local shows. The main feature escapes me, but I do recall a dandy "Popeye" cartoon. The next night was probably the best of all although its order was somewhat reversed. Up to midnight we three and Norm Schoewe of Sigma made the rounds. Kitty Davis' on Wabash Avenue was one of the "hot-spots" that night. Everything seemed so unorthodox there—the band went around in circles and the dancer tapped on a counter. Oh well—that's Kitty Davis' for you. The night life after midnight was the best part, for that was when the Publications Committee met. The session didn't break up until 4:30 a.m.

The elevators in the LaSalle Hotel probably provided my biggest thrill and I never did get used to them.

You probably can remember certain

experiences in your life quite vividly, so you will understand it when I say that the convention was one of my rare experiences that I will remember for a lifetime. Theta Tau is meaning more to me every day.

JAMES L. JOUBERT, Epsilon

It was quite thrilling to leave for Chicago to attend the Theta Tau convention even though it was Christmas Day. It was the beginning of what I expected to be a very educational as well as joyful ten days, and upon my return home I realized it was all true.

I was greatly impressed by the high calibre of men who were delegates to our convention. To have men from many parts of the country with different accents, ideas, and characteristics, was indeed very interesting. I only wish that every member of Theta Tau could attend a convention and learn of the value of the fraternity. Not until meeting the Executive Council, the alumni, the alumni delegates, and the chapter delegates did I fully realize the importance of the organization.

I greatly appreciated the Chicago Alumni Association's hospitality in honoring us with a banquet and the opportunity of visiting the Museum of Science and Industry.

As for the "after office hours" of the convention, I made very good use of them along with some of the brethren. We attended such glorious night spots as the Palmer House where we had dinner accompanied by the rippling rhythm of Shap Fields' Orchestra with coffee at thirty-five cents a cup, the College Inn where Buddy Rogers was swaying forth, Kay Kyser at the Black Hawk and last, but not least, my good friend from Sacramento, Dick Jurgens and his orchestra at the Aragon.

WILLIAM L. BULKLEY and
RAY MORGAN, Lambda

Memories of the Thirteenth Biennial Convention:

1. Brother Vawter's able performance in the role of parliamentarian.
2. Brother Adams' demonstration of the Big Apple with the chorus girls at the College Inn. This perhaps explains the great difficulty he had in getting to the morning sessions.
3. The banquet the Chicago Alumni Association arranged—excellent from start to finish with speeches that were the high point of the convention.
4. The olives the delegate from Arkansas had for dessert one evening.
5. The enthusiasm and interest shown by the alumni; an outstanding demonstration of the true meaning and value of Theta Tau.
6. The mass migration through our room the one night we went to bed almost the same day we got up.
7. The untiring energy and constant interest of Brother Schrader.
8. The skill of the Brother from Phi in managing the hasty exit from Kitty Davis' second floor.
9. The spirit of help, co-operation, and interest which was shown by all the Executive Council.

CARL ADAMS, JR., Mu

Some of the most pleasant memories I have concerning the 13th Biennial Convention are my nocturnal comradeships with Brothers Jack Wyatt, Upsilon Chapter, and Buck Dinwiddie, Pi Chapter. The three of us being sons of the old south, and consequently having a lot in common, we were together on most of our escapades.

One of those rare happenings that lingers in my mind is the 2:00 a. m. wandering about the Chicago Loop of one Arkansas Wyatt. After he had

walked all around, he decided he might as well go home, and hailing a taxi, he directed the driver, "LaSalle Hotel." To his surprise and embarrassment the reply was, "You're right in front of it."

Needless to mention also is Brother Wyatt's thirty-mile street car ride while he was asleep. (In and back).

I guess Buck knows now that it really doesn't pay to get ideas on a brother's girl.

Greetings to both of you "Hot Buddies."

I want to say how much I enjoyed the whole convention. I'm sure some of the friendships I formed will start again on some unforeseen occasion. I am prouder than ever that I am a Theta Tau; proud because I have seen what a fine group of men our national officers are, and what a fine bunch my brothers of other chapters are.

I count those four days in Chicago four of the happiest and most profitable days of my life. May all other conventions be as enjoyable and as full of goodness as the last one.

I want to take the opportunity to send greetings to the delegates and to extend best wishes from Mu Chapter to all our brother chapters.

DAVID EDWARDS, NU

A national convention is a unique experience for the Theta Tau, who, at home in his own chapter, feels rather distant from the national organization, which looks to him like an appendix necessary for the clearing of information and the receiving of money. True, Brother Schrader is working hard out in Nevada, and Brother Curtis on this side of the country, and a dozen other executive officers likewise, but by the time their effort diffuses back to the

individual members it is considerably diluted.

Here at the convention where all this energy is concentrated in one room, the delegate feels the punch that activates the fraternity and waxes enthusiastic himself. The efficiency with which the affairs of the fraternity are transacted makes him proud to be able to share in its work.

The concentrated activity of business did not become monotonous however, since lost time in other activities was made up at night. The hearty banquet and the interesting incidents in the life of the Indians were most enjoyable. Enjoyable to the fraternity at large would probably be candid camera shots of several delegates taken at the College Inn. The fun of the convention did not depend on the places that were frequented the most. The same places might have been colorless without the warm friendships which were so easily made and will never be forgotten.

PAUL WEBER, Omicron

From the time I was initiated into Theta Tau the national group was always more or less a puzzle, inasmuch as I never really appreciated the true meaning of a national fraternity. The convention in Chicago explained all of this to me, and it really was an inspiration. All of the fellows there were swell and it sure was fine to know that the delegates coming from all parts of the country had so much in common and were so friendly. It almost seemed as if I had known them for a long time when I met them.

Meeting the national officers was likewise very gratifying. The meeting left no doubt in my mind that the national offices are in very competent hands.

The resignation of Brother Hopkins from the position of Grand Regent was regretted exceedingly by Omicron Chapter, since Brother Hopkins has visited our chapter several times in the past and was well liked by every man that met him. However, everyone was glad to hear that Brother Daniels succeeded him in office.

The thought crossed my mind several times at the banquet given by the Chicago Alumni chapter that Brother Schrader could not help but feel a great deal of satisfaction when he looked over that group of delegates from all over the country, with the realization that he was the father of the organization. He has watched that family of his grow from one chapter in 1904 to 23 chapters in 1937. He could see the direct results of his thirty-four years of effort before him and I don't believe that there was a single man present who didn't realize it.

I would like to say hello to Brother Checkovich of Theta. He was a swell roommate. Perhaps Brothers Perry and Russell will remember the evening we spent at the Marine Room of the Edgewater Beach Hotel listening to Orrin Tucker, and the follow-up at the Club Silhouette. Brother Smith evidently didn't like our "Yankee" system of street layouts or could he have been lost the night we found him wandering around in the wrong direction looking for the Illinois Central?

The committee meeting with Brothers Adams, Dinwiddie, Joubert, and Edwards was probably the noisiest I was ever in, but it got results.

A complete resume of the nocturnal habits of Theta Taus will be available in another part of THE GEAR I am sure, and I don't want to go down

on record as being the one to accuse anyone of anything.

Everyone here at Omicron wishes to say hello, and extends an invitation to anyone of you to visit us whenever possible. We are looking forward to another regional convention. The last one was a pip.

BUCK DINWIDDIE, Pi

In regard to the convention, I feel that it was more than a success; for myself, it is a meeting that will never be forgotten. However, as I look back on those three days I find a few questions that I am unable to answer. I wonder if you can help me?

First, I do not see why our Brother from Arkansas preferred Street Car No. 120 to the beds in the LaSalle as a place to catch his sleep! Secondly, it seems that many things were missed New Year's Eve; for instance our Brother from Kansas missed his bus, our Brother from Rho missed his bag, and I missed the party!

WILLIAM E. BOYLE, JR., Tau

It was great while it lasted, but it was over all too soon. I shall never forget a single moment of the H. H. Hopkins Convention, and I know this goes for everyone who was lucky enough to attend.

Strong and lasting friendships were formed at Chicago's LaSalle Hotel in those three days, and I'm sure every delegate returned to his chapter with a report which told of the always-present spirit of fraternal fellowship, of the bond of friendship which unites us, of the strength of the alumni associations.

The Convention impressed upon me the fact that, no matter where he comes from, a Theta Tau is "one swell guy", a real friend. Our grand

officers are well chosen, and the future of Theta Tau is in strong hands.

Aside from the regular business meetings of the Convention, we delegates had little time, but we didn't miss much. I guess we hit every night spot and "joint" in the city, though this worthy pastime didn't take up all of our spare hours.

Don Snow, Delta Chapter, and I were guests of John Sanabria, a Chicago Alumni Association Theta Tau, at his television laboratory one afternoon, and I know that several of the other delegates had similar experiences.

The Chicago Alumni Association gave us a swell dinner, and those stories—WOW!!!

JACK VANDERFORD, Phi

In my mind the business end of the meeting was well conducted and the results obtained were quite in order. I am sure that several problems were solved that have weighed heavily on the heads of the officers of several chapters in the past.

It was my privilege to learn a great deal about the Fraternity that previously I had known very little about. It seems I learned this not only from the national officers and the sessions we attended, but also from informal discussions with the delegates of other chapters. This knowledge I have attempted to pass on the younger members of our group with the hope that some day they can tell some of the other chapters some of their own *better* customs.

There is one part of the convention that I shall always treasure as one of my proudest possessions. That is, I have a friend on nearly every engineering college campus in this country. I believe that the fellows who assembled in the convention hall on

December 29th are the most interesting and finest it has ever been my privilege to meet.

I only hope that the next convention will be as great a success and that I will be in a position to attend.

EDWARD L. YOUNG, Chi

I wonder if anyone else in the country has ever had the experience of sitting alone in a hotel room in a strange city and realizing that soon there would be some fellow come in who is going to share the room with him for three days and nights. I wonder what that other fellow would have felt like if he had seen the door open and four strange fellows troop in and look around as if they expected to stay a while. I wonder if his feelings of apprehension would turn, as mine did, to a feeling of wonder, when these 'strangers' turned out to be friends—just friends that he had never had the opportunity of meeting before. This was just my experience at the Chicago Convention of Theta Tau last December. These four men turned out to be grand guys and I'm glad that I was elected to be their roommate. So, to Alpha Chapter I would like to just say 'hello', and thanks for sending such swell fellows to the convention.

I don't think that I had ever appreciated just how large the fraternity is nor how strong the ties that bind the different chapters together until I heard the reports read by the delegates. As each delegate read his report, one could feel a common interest and bond and a will to promote a common purpose and goal. There must be something other than just fraternal feeling that binds the different chapters together in such a close bond. One has only to look at the members of the Executive Council to

realize from whence comes that extra something. It certainly was a pleasure to meet and talk to the executive officers. They are all regular fellows with an intense enthusiasm in guiding the destiny of the fraternity. I had a fine talk with Brother Schrader and only hope that he will keep his promise to come to Tucson sometime this spring—we'll sure make him feel at home.

W. D. TRETBEWEY, Psi

The 13th Biennial Convention of Theta Tau was by far the most excellently conducted and most successful fraternity convention that I have ever attended. The Chicago Alumni Association was a splendid host and deserved the thanks of every man who attended.

I was greatly pleased by the friendliness and capableness of our national officers, for it was the first time that I had met any of them. They were fine fellows and I was proud to know every one.

It was a great thrill meeting fellows from different parts of the country, giving your name and chapter, and giving the "old grip". I can still hear Carl Adams saying, "I'm Adams from Muuuuuuu—", in that delightful southern drawl of his. I was a bit hesitant at first in meeting so many strangers, and yet when I got to know them I found that every fellow was the same type that we have in our own chapter.

The trip has left a lasting impression upon me and I am sure that every man who attended will be a better Theta Tau for having been there.

About my night life. Buus, my roommate, Scanlon and Joubert, who occupied the next room, and myself attempted to see as many of the better

night clubs as possible. Dickey, a friend of Buus, always went along. We saw Kay Kyser at the Black Hawk, Buddy Rogers at the College Inn, and Shep Fields at the Palmer House. We even stopped in to see Kitty Davis and her girls for everyone said we should. We had one swell time together and I sure hope that I shall be able to see all those fellows again.

I couldn't figure out why they called Dickey "Spike". He was such a quiet and decent sort of chap. But when Buus told me his real name was Sylvester, I understood.

Conversation one afternoon after a meeting:

Brother Howe (or Mercer, I forgot which): "Say, fellows, I'd like to see a little of Chicago before we work on that Publications Committee. Wouldn't you?"

Fellows: "You bet. We can meet when we get back. What time shall we say?"

Howe: "Oh, any time after 2:30 a. m."

HAROLD W. BUUS, Omega

Attending the 13th Biennial Convention as delegate from Omega Chapter gave me the opportunity of seeing Chicago for the first time; however, the impressions I received from the convention were much stronger than those of seeing Chicago. I was most deeply impressed with the national strength of Theta Tau and the spirit the convention gives to every member able to attend.

My experiences while in Chicago were many and varied, such as the one had by Brother Tretbeway and me our first morning in Chicago while partaking of breakfast. Another was seeing the sights of the "Windy City" on a foggy morning at 5 o'clock after

finishing the committee work for the following day. Quite naturally some of the outstanding night spots were taken in, such as the Black Hawk; the College Inn at Hotel Sherman, which was a seemingly popular place with the Theta Tau convention delegates; and the Empire Room at the Palmer House, where Brothers Dickey, Trethewey, and Joubert felt financially fit to take on a dinner to the strains of Shep Fields and his orchestra.

I remained in Chicago until New Year's day for the express purpose of seeing how they ushered in the New Year. In company with Brothers Gilmore and McElwain, alumni of Omega Chapter, this was attempted. My only impression was seeing a lot of people and hearing more noise than I believed could be made by humans.

GEORGE E. RHINE, Gamma Beta

Many times during the past month and a half I have recalled the pleasant time I had at the 13th Biennial Convention. The writing of this letter then, becomes a pleasure and not a task, as is so much of one's correspondence.

I was rather disappointed to hear that your efforts at photography did not meet with much success. Especially so, after many of us risked life and limb on that fire escape twenty-

three stories above one of Chicago's busy alleys. However, I submit a "tin-type" of Bill Bulkley of Lambda and myself which was taken at a certain rendezvous in the Hotel Sherman. Don't let anybody tell you that there is anything in those glasses except water.

After a hard day's work, the evening of the banquet was a pleasant respite. The only trouble was that we had to get up the next morning and go to work again. There were some rumors afloat, however, that some of the boys didn't have to get up that morning—they had stayed up all night. Harry's New York Cabaret did a flourishing business that night—and morning.

One of the outstanding features of the Convention for me was the talk I had with Brother Erich J. Schrader about the early history of Theta Tau. It made me realize what a great debt the Fraternity owes to this man for his work.

The Convention brought home to me more than ever the national strength of Theta Tau. It is unfortunate that the conventions cannot be held more often and that more of the men cannot attend. However, I believe that the regional conferences will do much toward strengthening the tie between the various chapters.

In Memoriam

FLOYD J. BEEHLEY, Zeta '24

Floyd J. Beehley, resident engineer at Phoenix for the Arizona state highway department, died there January 26, 1934. Brother Beehley had been in the engineering division of the highway department since 1923; during the past few years he had been in charge of WPA work for the highway department in southern Arizona.

M. W. VICKERY, Delta '11

The death of M. W. Vickery, Delta '11, has been reported, but no further details are known.

Message From J. M. Daniels, Newly Elected Grand Regent

May I extend my personal greetings to all members of the fraternity with the sincere wish that 1938 will be one of the very best years of your life and be assured that I will do everything possible to place Theta Tau at the top of the list where it rightfully belongs.

We continually hear the statement from our active members that there is no alumni interest, and the alumni on the other hand in many cases are quick to find fault, sometimes justly, with the methods pursued by the undergraduates. In any event, may I say to the actives that you had a very kindly interest in and some enthusiasm for Theta Tau, otherwise you would not be wearing the badge. If the chapter has failed to interest you, concern yourself enough to see whether you or the chapter is at fault. Make an earnest effort to effect a successful and harmonious outcome. To the alumni, be assured that the fraternity is not marking time. I believe that you will readily agree that our organization has made rapid strides during the past few years.



Grand Regent Daniels

You can add a great deal of enthusiasm to your chapter by visits, letters, and constructive criticism. Let's all pull together for the best interests of Theta Tau.

TO ALL:

National Officers, Active Chapters, Alumni Associations
Fraternal Greeting:—

You are hereby given official notice that Mr. Earl W. Hannifurth, Phi '37, Initiate No. 106, is no longer a member of this Fraternity.

Yours in H & T,

E. J. SCHRAEDER,
Grand Scribe

Introducing Norman B. Ames, Grand Outer Guard

Norman B. Ames was born July 1, 1896, at Richmond, Virginia. He moved with his parents to a farm in Westmoreland County, Virginia, but later went to Mississippi at the age of ten. While there he attended the public schools and later graduated from the Mississippi A & M College



HARRIS & SHINE PHOTO

Dr. Norman B. Ames

in 1915 in Electrical Engineering. At the Massachusetts Institute of Technology he received the degrees of S. B. and S. M.; B. S. in E. E., LL. B. and E. E. at George Washington University, and S. B. from Harvard University.

In 1917 Brother Ames entered the war in the Infantry School at Ft. Leavenworth, Kansas, later becoming Squadron Radio Officer, Aviation Sec-

tion, Signal Corps, with the rank of a 2nd lieutenant. He served in France and with the Army of Occupation in Germany, later being honorably discharged August 27, 1919. He is now a Major in the Air Corps Reserve.

Among Brother Ames' various jobs are included draftsman and engineer with the War and Navy Departments, Stone and Webster, Inc., Bethlehem Shipbuilding Corporation, and the B. F. Goodrich Rubber Company. During two summers he worked with the Mississippi Power and Light Company and one summer with McCollum Geological Explorations, Inc., in Texas. At the present time he is a professor of Electrical Engineering at the George Washington University, having served as Assistant to the President and Alumni Secretary from January 1936 to January 1937. Among the organizations of which Brother Ames is a member are the American Institute of Electrical Engineers, Sigma Tau honorary engineering fraternity, the Masonic Order, and Delta Tau Delta general fraternity.

He was a member of Phi Theta Xi, forerunner of Gamma Beta Chapter of Theta Tau, and has been a member and chapter adviser of Gamma Beta since its installation in 1935.

Brother Ames is married and has two children. His home is at 8 Westwood Drive, Westmoreland Hills, Maryland, and he is president of the Westmoreland Hills Citizens Association. So far he hasn't had time for hobbies.

Regional Conference Held at Upsilon

The first Regional Conference of the new biennium must certainly be considered successful. Three chapters, Mu, Iota, and Zeta each sent delegations of H & T men, who found a

After the noon luncheon held at the University Cafeteria, the entire group adjourned to a small lecture room in the Engineering Building, where about two hours and a half



DELEGATES TO UPHILON REGIONAL MEETING

MU DELEGATION
Coleman Morgan Benham
Carson Mauser Burwell

ZETA DELEGATION
Back row: Elliot, Haug, Nasser, Willey
Second row: Rogers, Russell, Bloom
Front row: Magruder, May, Moreland,
Paxon

UPHILON DELEGATION
Front row: Mapes, Stelzer, Wyatt
Second row: Lewis, Kelly, Sladen, Muir
Back row: Fletcher, Wooten, Lane,
Mason, Neimstedt

most cordial welcome awaiting them at Fayetteville where Upsilon Chapter proved itself as a host.

By noon of Saturday, March 5, the following men had arrived: Warren Carson, Earl Maures, Charles Coleman, Patrick Morgan, Edwin Burwell, and Clifford Benham of Mu; W. F. Overbeck, John Post, Erle Rhodes, Harry Gerwin, and Robert Seibel of Iota; and Hugh Magruder, John Elliot, Lester Haug, Lyle Paxson, Stanley Bloom, Milton Russell, Gail May, Kenneth Willey, Ray Rogers, and Howard Moreland of Zeta.

were all too quickly consumed in an open forum discussion of pertinent chapter problems. The discussion was divided into three parts, covering pledging and rushing, a well rounded program of chapter activities, and contacts and interests.



IOTA DELEGATION
Oberbeck, Rhodes, Seibel, Gerwin, Post,
Waters



Engineering Building, University of Arkansas

Late in the afternoon Professor Stelzner, the Upsilon Chapter advisor, conducted a most interesting inspection trip through all of the University buildings.

At five o'clock Upsilon Chapter opened chapter in full form for the purpose of initiating six pledges. All parts of the ceremony were conducted most impressively, as the Upsilon officers proved themselves good ritualists.

Then came another full form affair, the conference banquet. Thirty-eight

men enjoyed an excellent Mountain Inn meal, the tap dancing of "Half Pint", a six-year-old colored lad, and finally a glimpse of the Zeta movies which had been previously shown at the Iowa City conference of last year.

Brother Ralph Nusser closed the meal and the meeting with a few remarks of the human interest in Theta Tau.

Upsilon did an excellent job in its roll of host and its efforts were accorded full appreciation by the visiting delegates.

Remarkable Career Achieved by Ralph Teetor

Ralph R. Teetor was born in Hagerstown, Indiana, August 17th, 1890, and received his early education in the Hagerstown High School. Eschewing tops, marbles, and other childish playthings at age seven, he turned instead to a study of the lives of successful men; at ten years of age he had constructed a miniature dy-

namo and other machinery; and at the ripe old age of twelve he had built an automobile. Such a record would normally indicate unusual talent in a boy. In the case of Brother Teetor, however, his early achievements and those which were to follow were nothing short of miraculous in that they were accomplished without the aid of

the most essential of the senses—sight.

After graduation from high school Ralph entered the Engineering School of the University of Pennsylvania and was graduated in 1912 with the degree of Bachelor of Science in Mechanical Engineering. Eighteen years later he returned to the Commencement of 1930 at which time he received his M. E. degree.

After graduation in 1912 Brother Tector returned to his home to engage in engineering with the Tector-Hartley Motor Company, a company which had been owned and operated by his family for many years. There he remained until 1918 at which time the Engine Division of the business was sold. The piston ring division of the company which had been developed along with the engine division was retained by the original owners of the company. At that time he took a leave of absence from his company and became engaged in war work. His assignment for the following year was general engineering work with the New York Ship Building Corporation in Camden. His principal efforts while there were applied to dynamic balancing of turbine rotors which were used in the torpedo boat destroyers. At the completion of this work in 1919 he returned to the Piston Ring Company, which later became the Perfect Circle Company. That company has from that time to the present exclusively developed, manufactured and sold piston rings, most of which have been used by the automobile industry.

Through his work of directing the engineering of his own company Brother Tector has had a very broad contact and association with the engineers in the automotive industry. Through such an extensive acquaintance he has for many years been active in the So-

ciety of Automotive Engineers. In 1926 he served as chairman of the Indiana Section of that Society and in 1930 was elected to serve as member for two years on the Council of the national organization. In 1933 he was appointed chairman of the Research Committee which position he held until 1936 when he was elected president



Ralph B. Tector
—unparalleled accomplishment

of the Society. He is also a member of the American Society of Mechanical Engineers, and the Engineering Society of Detroit.

Brother Tector, for many years, has been actively interested in the Boy Scout Movement. In 1928 he built and gave to the Boy Scouts a camp quite adequate for all the camping facilities needed by both boys and girls in his local area. The development of this camp included the making of an artificial lake which covers an area of more than ten acres and provides for the Scouts all forms of water sports. The camp is modern and is considered



Brother Tector, age 12,
in cat of own construction

one of the best in the region. He has served as president of the Council of his local area and is now a member of the Council of the national organization of the Boy Scouts of America.

In 1922 he was married to Miss

Nellie Van Antwerp of Huntington, Indiana. They have one child a daughter, Marjorie, six years old.

Ralph's social connections include membership in the University Club of Chicago, The Detroit Athletic Club, Detroit Yacht Club of Detroit, the Indianapolis Athletic Club and Columbia Club of Indianapolis, The Committee of One Hundred, Miami Beach, Florida, the Engineers Club of Dayton, Ohio. He was recently made an honorary member of Phi Chapter of Theta Tau at Purdue University.

Brother Tector attributes much of the success he has attained to the training he received during his engineering course in the University. He also has a very warm feeling for the friendships he established with the members of the faculty and students with whom he was associated while in school.

Albert Acheson Has Interesting Record

Professor Albert R. Acheson was born in Riverton, New Zealand on October 12, 1882. His life was uneventful up to the point where he entered high school, where he went in for athletics and excelled in putting the shot.

Upon graduation from high school, he enrolled in Canterbury College at Christchurch, New Zealand, and continued his participation in athletics: football, track, and tennis. He was Captain of the varsity football team in his senior year.

At Canterbury Brother Acheson received the degree of B. S. in M. E. and E. E., and went to work for the Wellington and Manawata Railroad of New Zealand. In 1906 he obtained

employment in the Westinghouse Electric Company and came to the United States to the company's plant at Pittsburgh, planning someday to go back home. However, the panic of 1907 shattered the hopes he had of any immediate return and, as yet, the Homecoming of the Prodigal Son has not taken place.

In 1908 he accepted a position at Syracuse University as a professor of mechanical engineering. In two years he was made head of the mechanical engineering department, which partially-unappreciated position he has held since that date.

On July 1, 1911, he married a girl from his native New Zealand in London, England. Four children were

born to the Achesons: Cedric, Mildred, Dorothy, and Douglas.

In business for himself since his arrival in Syracuse, "A.R.", as his business associates know him, has become one of the East's prominent consulting engineers in the fields of heating ventilating, air-conditioning, and power plant installation. For several years Professor Acheson was consulting engineer for the city of Syracuse, and has been president of Syracuse's Technology Club.

Brother Acheson is still actively engaged in athletics, and holds a position on the Bellevue Country Golf Club golf team. He has seen every national tennis championship tournament since 1914, and at one time was doubles champ and runner-up in singles in the city of Syracuse. Bowling is one of his pastimes and one of



A. R. Acheson
New Zealand lost him

his aims in life is to beat Professor Hart, bowling champion of the Applied Science faculty.

To the senior mechanicals, who practically live with him, he's affectionately known as "Achey". The best testimonials to his success in life can be given by his students, any one of whom will swear by him.

Opportunities in Engineering

F. C. Roberts, Jr., Chi '30
State Sanitary Engineer, Arizona

Theta Tau is an organization of the highest order. It combines the principles of an excellent fraternal order with the highest standard of ethics engendered in the engineering profession. With this dual background, the members of the fraternity should make a superior type of citizen, one to whom the community and state may look for leadership. The engineering profession as represented by the engineering graduate produces the highest and finest quality of man, through the unselfish desire for perfection that has been instilled into him.

In approaching the present day problem of opportunities in the field of engineering, the first question that is called to my attention is, "What is an engineer?" It is doubtful if there are many people, or for that matter, engineers, who can furnish a wholly satisfactory answer to this question. On the other hand, most educated people can define a Doctor of Medicine with a fair degree of accuracy. One of these definitions might be: A Doctor of Medicine is an individual trained in the sciences to the extent that he can interpret these sciences to the benefit of mankind.

The definition for an engineer is analogous up to a point. This might read something as follows: An Engineer is an individual trained in the physical sciences to the extent that he can interpret these sciences to the benefit of mankind, or we might say through his insight into the scientific conditions surrounding the solution of practical problems, can utilize the physical forces and materials to the benefit of man.

It is to be noted that this is such a broad definition that it covers a multitude of human endeavors. The above definition follows that of a Doctor of Medicine up to the point that after declaring the Doctor a man of science, he becomes specifically a man of science insofar as the human anatomy is concerned. The definition for an engineer cannot become specific. An engineer is a man of science insofar as human activity is concerned. If an attempt is made to more rigidly bound the field of endeavor, it is discovered that first one branch and then another branch of the profession is being severed from the list.

Engineering is as broad as the field of science. Wherever the scientist has made advancement, there is the place for an engineer to interpret these findings into a practical application that may benefit mankind. The scientist is the explorer, and the engineer is the interpreter. Often the two are combined. The engineer many times must assume the role of scientist in the solution of some practical problem. He must be able to fill in the voids that have been left unfilled up to the time that he "tackles" the problem.

To the men who make the most practical application of the findings of science in the fields of engineering go the largest rewards. These rewards

are of two kinds, professional recognition, and monetary gains. The larger the number of people served the greater the award.

This is of interest to you undergraduates, but perhaps it does not concern you as much as the question, "What has the future in store for me?" The picture that is presented is that of the writer. This may be a too pessimistic outlook, or some may consider it too optimistic. You may discover a completely different picture due to your own particular bent.

Our world should apologize for the professional condition that exists at the present time. After you have graduated you will find that men who have not graduated from school, who have spent neither time nor money in learning a profession, are in high places. They term themselves "practical" engineers. Often these men have learned what they know of their profession by coming up through the ranks first as chainman, then transitman, then chief of party, then inspector, and finally through the good offices of a friend they have secured an executive position. These men have learned the job from the outside. They know the value of contacts, the ways and means of bringing pressure, and when and where it is needed.

Due to the manner in which they have "come up", they often have little respect for the college graduate, whom they term "spoon fed." There should be some means by which the college graduate may learn the tricks of the trade without a number of years of "knocking about". This is particularly true of the men going into the civil works field. It is not merely applying for a job that counts in landing a job in this field, so much as who the applicant knows, who recommends

him, and how strongly he is recommended. This indicates that he must have friends. He cannot be unsocial. In other words, he must be able to "sell himself". After he gets the job, it is a question of "delivering the goods", which is no problem for a Theta Tau man.

There is another serious situation facing the young man entering the engineering field. The men who have "gone before" forget how "tough" it was for them, and consequently forget the men who come after them. After you are in an executive position, reward your subordinate engineers to the full extent that the payroll allows. Pay them to the full possibilities of the budget, and then increase the budget. By establishing your subordinates you can increase your own pay, rating, and prestige; provided you have chosen men that are graduates of a technical school that teaches a high standard of ethics, as well as furnishing them with a sound technical background. You may advance yourself after you have advanced your men, in the same manner a "measuring worm" works himself ahead.

We must remember that every engineer, worthy of the name, is worth twice as much as he is paid, regardless of the amount that he receives. The non-trained man is responsible, in no small part, for holding down the standards and the scale of pay in the engineering profession. This is the curse of raising the non-professional, sub-group to a professional rating. You may advance a transitman without training to a resident engineer at a lower scale of wage than you can procure a trained man for the same position.

Again, the medical profession is called to your mind. They have a

superior professional standard in comparison with the engineering standard. How do they do it? Do they advance a nurse to the job of surgeon? The answer to the second question is the answer to the first.

The presentation of these conditions probably fills you graduates with trepidation. If a man is to be shot at (from every ambush, what chance has he until he gets his feet under him)? There is one place that the university or higher technical school offers him an advantage that he can procure in no other place, unless he is of the very few. He can learn a specialized branch of a general field that will place him years ahead of his co-workers.

After procuring a general education in any of the broad fields of civil, electrical, mechanical, mining, or other fields of engineering, then is the time for him to sharpen the particular tools that he will most need. For example, if he is an electrical engineer he might consider accounting, and prepare himself for evaluations, cost accounting of electrical properties, or the myriad of other places where accounting and engineering go hand in hand. Before doing this it might be well to consult a number of electrical engineers who, from their broad knowledge of the field, can furnish him with information where the need of specialization exists. A mining engineer might specialize in many fields. If he chooses that branch of the field that shows the newest development, where competition is lowest, where a man can get a foot-hold, he will have the best opportunity to get away to a fast start. Mining, as most other forms of engineering, is in an infantile stage. It will proceed to depths that we now consider inaccessible. If the profession is not progressing, in common

with other forms of engineering, it will not take engineers to operate it. If the field is stagnant, mechanics can handle the job.

To the mechanical engineer, the fields of refrigeration and air-conditioning offer fields of endeavor that are as broad as one cares to make them. It is not out of the realm of possibility that some day air-conditioning systems will be as common as water and sewerage systems or other ordinary conveniences. It is interesting to note that in this respect the termite, that insect that makes itself most objectionable by destroying all types of furniture, wood walls, and other articles containing cellulose in an available form, depends for its existence on air conditioned surroundings. In its burrows, the temperature and humidity vary but little from a specific normal. It has been stated that this is one of our oldest forms of life, remnants of them having been found in old geologic strata. In part, it probably owes its existence to its innate knowledge of air-conditioning. If we wish to prolong our existence as a society, it might be well to put our present knowledge into effect.

In comparing the work of the termites to the engineering profession, it is interesting to note that there are few engineers or individuals that are revolutionizing any particular field. Each man is working in his own burrow, trying to carry his line of endeavor out to its ultimate. He may discover some new fact that may alter an entire process of reasoning, but he does not do this single-handed. He must rely on the work of his fellows. The day of Leonardo da Vinci is past. If a man spends his entire life proving that his work has been in vain, he has done an immeasurable good,

for the fellow who comes after him knows the pitfalls that have been his undoing, and will avoid them. We know and learn only by the errors that we or someone else have made.

There appears a vast field open to the civil engineers. The field is far too broad for any one man to thoroughly comprehend. However, to understand any one branch well, a general working knowledge of the whole is necessary. It becomes a necessity for a man to specialize if he enters this field. How well he does this will determine his ultimate success.

In the civil engineering field the day of the pioneer has not passed; he is as much with us as he was in the last century. The field of hydraulics is a fertile one. For example, there is a dearth of reliable material on the flow of water or sewage in concrete and clay tile pipes. When one considers that we have a large number of formulae such as Hazen-Williams, Kutter, Schroeder, King, and others, and realize that they do not agree, that they are but empirical approximations to the correct answer, one realizes the necessity for more engineering research. When you design a pipe line, a value of C or n is assumed, depending on the formula employed, and the conditions that you think might occur. You do this as carefully as possible with all of the information that you have at your command, and then your results may be 10% off of what actually occurs. The result is that you over-design. Our engineering research has not been carried far enough.

In our city streets there lie a myriad of pipes, carrying water to our people. The pipes are of varying size, composition, and construction. These pipes may be installed in either of two

ways. They may be placed after intensive computations, or they may be installed by a "rule of thumb" process. This latter process is carried out by the untrained water superintendent or construction foreman as follows:

He looks at the sky, he looks at the ditch, he remembers his telephone number and divides by 2, and then says, "Put in a 10-inch pipe. That should be big enough." Usually it is big enough, in fact so very big that the major portion of its area may never be used; or it may be so small that additions have to be made in a very few years.

What is the reason for this off-hand method of designing distribution systems? For one thing, not enough research has been done in this field, or the research has not been compiled. For another reason, it is far less laborious to put in a pipe that you know is too large, than it is to go to the strenuous, but economical, method of computing what the distribution system will carry and what it actually needs. The men in this country that can do this work proficiently may be counted on the fingers of two hands.

If you wish to become exclusive go into this field.

In the last decade values for stresses in concrete have changed markedly due to improved methods of manufacture and placement. Reinforced concrete values are higher. The designs that will be constructed 50 years from now we would not dare today.

The National Planning Board, in its comprehensive water supply program, attempts to plan for the utilization of every drop of water, every foot of top soil, to the everlasting benefit of mankind. The program is well conceived. It will insure our descendants national resources that we would de-

spoil without this planning. The only frailty in this program is that of engineering and political manpower. Do we have the engineers to effect such a program free from political or section politics?

In the field of sanitary engineering, one of the off-shoots of Civil Engineering, there are ever increasing possibilities in the service this branch may render our fellow men. The information that this profession can furnish any community group makes the service of one practically mandatory. This group of engineers administers to the community as the doctor to his patient, although not in exactly the same capacity. All a sanitary engineer can do is prevent; while the major portion of a doctor's activities is concerned with the cures of diseases.

In order to present one of the major problems of the sanitary engineering profession, attention is called to the Ohio River, where during times of minimum flow every gallon of water is composed of one quart of sewage or sewage plant effluent. Inasmuch as 2,500,000 people depend on this river for their drinking water, each one of these quarts of the gallon of flow must be treated before it is discharged into the river. Each one of these quarts and the balance of the gallon must be treated before it is introduced into the domestic water distribution systems of the towns and cities along the river.

In place of dumping the sewage into the river, why not combine the processes and put it back into the distribution system? This procedure will save pumping. The processes of nature will be speeded. Operation will be minimized. Now, our esthetic standards will not permit of this, but it will be done before many decades have passed. In support of this, at-

tention is called to the sewage reclamation plant at the Grand Canyon in Arizona. This plant has consistently produced a water that can meet drinking water standards. The plant effluent is used for industrial purposes in boilers, etc., at the present time. This type of process presents great possibilities.

Plumbing is no longer a game for the jack of all trades. It is a definite engineering problem. Because competent engineers were not employed in this work, we had the ansoebic dysentery epidemic in Chicago. We will continue to have these outbreaks until the engineer takes hold of this problem.

So it goes, for we may continue examining this field and then that one, till a book has been written. When anyone of us has reached the point that he can say with all sincerity, "I know the rest of the field but generally; however, there is no man in this section of the country that knows as much as I do about concrete structures, soil mechanics, hydraulics, electrical utilities accounting, oil geology, soil conservation, water distribution systems, or any of a vast number of others," as the case might be, and then can go out and sell himself to a waiting world on any one of these subjects or others of a like nature, he can write his own ticket.

In Memoriam

THEODORE C. THOR, Zeta '27

Theodore C. Thor was born in Kansas City, Missouri, March 25, 1903, where he attended the grades and high school. He attended the University of Kansas at Lawrence and graduated in 1927. He has been with the U. S.



Theodore C. Thor

Bureau of Public Roads since his graduation. For several years Brother Thor made his headquarters in Omaha, Nebraska, at which time he was in charge of the central section of the Division of Management of the U. S. Bureau of Public Roads. In 1935 he was transferred to the main office in Washington, D. C., and while there was promoted to Assistant Chief of the Bureau of Public Roads, and held that position at the time of his death, December 17, 1937.

Brother Thor was extremely active in the National Capital Alumni Club and was largely responsible for the enthusiasm and success of that group. That this loss was keenly felt by the club and the active chapter is indicated by a joint resolution by these organizations expressing "their appreciation of the life and service of our departed brother, Theodore C. Thor, and note his passing with deepest sorrow."

Brother Thor is survived by his wife, Maxine Thor, a four year old son, Theodore, his mother, a sister, and two brothers.

LEONARD E. LOSEY, Mu '36

Brother Leonard E. Losey was killed by a cave-in on October 28 in the Ogdenburg, N. J., mine of the New Jersey Zinc Co. Brother Losey was estimating the amount of fill necessary to close a deserted chamber when a large boulder fell from the roof, killing him instantly.

ARTHUR E. SEAMAN, Hon. Beta

Professor Emeritus Arthur Edmund Seaman of the University of Michigan died July 10, 1937, at the home of his daughter at Columbus, Ohio.

Born at Cassovia, Michigan, December 29, 1858, Brother Seaman entered the Michigan Mining School in 1883. At the same time he was connected with the State Geological Survey in Houghton. He was granted his B.S. from the College in 1891, after he had been teaching for four years.

From the position of assistant in mineralogy in 1890 he was made assistant instructor in 1891, while in 1893 his field was broadened to include mineralogy, geology, and petrography. Two years later he was made assistant professor of mineralogy and geology, and at the same time he was made curator of the mineralogy and geology museum.

In June, 1932, this museum was given the name "A. E. Seaman Museum" in recognition of the long and faithful service rendered to the college by Brother Seaman.

Brother Seaman was a member of the Geological Society of America, the American Academy of Arts and Sciences, the Lake Superior Mining Institute, the Michigan Academy of Science, and the Keweenaw Historical Society.

Brother Seaman is survived by a daughter, of Columbus, and a son, of Houghton, associate professor of mineralogy and geology of Michigan Tech.

MAX F. QUINN, Alpha '12

Max F. Quinn was found murdered in a mine near Guanajuato, on December 9, 1937. The facts in connection with his death are uncertain, but it is assumed that he found thieves stealing high grade ore and was killed by them.

Brother Quinn graduated from the University of Minnesota in 1912 with a degree of Engineer of Mines. Soon after graduation he went to work as an engineer for Stewart Campbell at Hailey, Idaho. In 1913 he went to Rockland, Nevada, as an assayer, but a year later accepted a better position as superintendent of the Cleveland Mining Company near Springdale, Washington.

He went to Mexico in 1920 and became assistant superintendent for the American Smelting and Refining Company at Sierra Mojada, and at the time of his death was manager of the Cuba Mining Company, Guanajuato, Mexico.

Brother Quinn is survived by his wife, who is still in Guanajuato.

The following tributes was paid Brother Quinn by Brother Erich J. Schrader, Grand Scribe:

"Max was a loyal friend, an excellent min-

ing engineer, and one of the highest character. He exemplified in his life all those fine qualities that we are taught should distinguish members of our Fraternity. His friends everywhere mourn his tragic death, but all of us who came into contact with him are proud to have known him and to have called him friend and brother."

WILLIAM ELTON DAIL, Chi '31

William E. Dail, son of Mr. and Mrs. Rufus F. Dail, was born in Enid, Oklahoma, on March 28, 1910, and died in Tucson, Arizona, on November 11, 1937, after an illness of two years.

Brother Dail attended Tucson High School and upon graduation in 1927 was awarded a scholarship to the University of Arizona on the basis of a state competition. Brother Dail enrolled in the Mines and Engineering College



William Elton Dail

in the fall of 1927 and followed a course in civil engineering while in school. He was initiated into Chi Chapter of Theta Tau and in addition was elected to membership of Tau Beta Pi, Phi Kappa Phi, and the student chapter of the A. S. C. E. Throughout his college career Brother Dail excelled in scholarship and was graduated with highest distinction in 1931, with the highest scholastic rating for graduates of the University. In addition he received the Civil Engineering Award of the Arizona Section of the A. S. C. E. presented each year to the outstanding member of the graduating class in the Department of Civil Engineering.

Upon graduation he became associated with the Tucson office of the Water Resources of the U. S. Geological Survey, where he served as Junior Engineer until his illness forced him into inactivity. His vocational record was in all respects up to the standard which he had set scholastically.

Brother Dail's brothers in Theta Tau unite in extending sincere sympathy to his wife, to his two small daughters, and to his parents.

The GEAR *of* THE TA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

F. L. MESSER, Omicron '21 and J. W. HOWE, Omicron '24
Editors

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THE NEW DIRECTORY COMES AROUND THE CORNER

For ten years the excellent 1928 directory has been becoming more and more obsolete and the demand for its revision stronger and stronger. During this decade nearly 3000 more men have become members of Theta Tau. The desire for revision culminated in legislation at Chicago, authorizing the publication of a new directory. About two-thirds of the estimated cost of the venture is to be borne by the national treasury and the remaining third is to come from sales.

In order to interest the fraternity generally and to reduce the work at the central office, each chapter is to solicit replies from its own alumni. The cost of chapter participation is to be met from the national treasury and in addition each chapter is to receive a bonus for each response from an alumnus, the amount of the bonus to depend upon the percentage return achieved by the chapter.

Securing correct addresses for more than 6600 widely scattered Theta Taus will be a tremendous task. It will require the best efforts of many men. The editors therefore appeal first to the chapters to do their utmost to secure all available addresses and secondly, to alumni everywhere to reply promptly when circularized. We urge alumni, as well, to send in the correct

addresses of other Theta Taus of their acquaintance. If all of us can work together on this difficult assignment we will have a reliable, up to the minute directory which will be deserving of a place alongside the 1928 issue so carefully prepared by Grand Marshal Curtis.

As we go to press the first 300 directory cards have come in and accompanying 40% of them were checks for advance orders. Practically all of the first cards were from members of Epsilon, indicating that our western chapter plunged into the project with a will.

APPRECIATION

THE GEAR wishes to speak for the fraternity in offering its appreciation of the splendid service rendered the fraternity by Past Grand Regent H. H. Hopkins. "Hop", as he is known to many Theta Taus, in addition to his term as Grand Regent, edited the first GEAR, served thirteen years as Grand Scribe, and three years as Grand Vice-Regent.

His unselfish service, his intense interest in the fraternity and its individual members, and his lovable personality mark him as one of our outstanding Theta Taus. It was eminently fitting that the delegates to the 13th Biennial Convention passed a resolution designating this meeting as the Herman H. Hopkins Convention.

Letters

March 14, 1933

Dear Brothers in Theta Tau:

Evidently the message concerning my marriage last year and my new address was misdirected as no news was carried on subsequent issues of THE GEAR. I am enclosing my present address on the prescribed form. Please publish it in the next GEAR issue.

The former Jeanne E. Little of Elyria, Ohio, and I were married here March 31, 1932. We are very pleased to announce the arrival of a baby boy March 3, 1933.

I was graduated in Metallurgical Engineering from Carnegie Institute of Technology in the class of 1931. Since then I have been associated with the National Tube Company (Lorain Ohio Works). My present position is Pipe Mill Metallurgist.

My special greetings to the fellows of Nu Chapter.

I hope to continue receiving THE GEAR regularly that I may enjoy its newsy sketches of chapter activities and of the successes of Theta Tau alumni.

Yours in H & T,
FRANK H. MENG, Nu '31

You're in this time, Brother Meng, but we hope there is a typographical error in one of those dates.

230 West Pleasant Avenue
SYRACUSE, NEW YORK

Dear Brothers Mercer and Howe:

You are to be congratulated for your work on the fall GEAR. It was everything it ought to be and I am awaiting the spring issue.

Heard about the change in executive office—a good man is lost, but another is gained. Best wishes to Brother Daniels.

Brother Florin has been in town recovering from an appendectomy which he had a couple of weeks ago, so we got together and went to chapter meeting the other night. It was the first time since we graduated last May that we had attended a meeting and it was good to see the fellows again.

We were very much impressed by the progress the chapter has made in the past year. For one thing, it sponsors the annual Engineers' Party, which has hitherto been planned by a faculty-student committee. Looks like a steady job from now on.

Several alumni who were in arrears have been contacted and a good percentage of their debts have been written off the books.

It was pleasing to see the way the committee chairman has systematically laid out

his plans for the annual Engineers' Banquet. From all indications the affair will be a greater success than last year, when, for the first time in its history, the final figures were not written in red. The date of the banquet is Thursday evening, March 31, at Dreamline's.

We saw the new slate of officers elected for next year. They're a swell bunch of fellows. We believe that this year's officers, with splendid co-operation from the members, have handled the chapter in a way of which they can be proud. We want to bestow as much recognition as we can to Tau Chapter for a highly successful year and say, "Nice work. May next year's gang do as well."

Yours in H & T,
E. W. ORTELT, Tau '37

You are starting out as an exemplary alumnus, Brother Orzelt.

Gamma Beta Chapter
February 28, 1934

Dear Brother Howe:

In your letter of February 11 you made an appeal far more interesting, more human chapter letters. I have an idea whereby this end may be furthered.

If in each issue of THE GEAR you will state the chapter letter which is the best in your opinion, with a brief explanation of the significance of the year, or perhaps the reasons for your selection, I believe that the quality of ensuing letters will much improve. The competitive urge is a powerful one, and when rightly employed, a beneficial one.

Unless you can think of some reason why the idea should not be given trial, I will enter the Gamma Beta letter in the competition.

Yours in H & T,
T. H. JOHNSON

We have previously tried special mention, Brother Johnston, but saw no great effect. In many cases a new scribe is in office, or an old one doesn't take time to look through the last GEAR for ideas. Consequently we make a new appeal for interesting material each time, hoping that the correspondents will try to improve on past efforts. You may be interested to know that we greatly enjoyed reading your letter and would rate it among the best were we giving stars.

The Mill Mutual
Wichita, Kansas
February 21, 1938

Dear Brothers:

While visiting Mr. and Mrs. Max Lamm in Wellington, Kansas, this past Sunday afternoon the writer had the pleasure of reading parts of THE GEAR.

Unfortunately the writer has not been receiving his copy, and as he desires to keep up on Theta Tau news the attached sheet gives the current address.

Wichita, Kansas, and vicinity is now digging out of a nine-inch (plus) snow storm. This is really something different for this territory.

It is possible that the name The Mill Mutual has you somewhat puzzled. It is a group of ten property insurance companies. Were you in the flour milling or grain handling business and were not familiar with the group it would be unusual. At any rate, the writer has been employed by them for the past four and one-half years as a fieldman. While not strictly engineering work it requires an engineering background.

C. Eugene Mansing is still in Honolulu, Hawaii, helping to make the island more pleasant by installing air conditioning equipment. Understand, they do not have as much a temperature problem as one of humidity.

Yours in H & T,
E. B. YOUNGSTROM, Zeta '33

You are now on the mailing list, Brother Youngstrom. Thanks for the news of yourself and others.

January 14, 1938

Dear Brothers Mercer and Howe:

Several members of Lambda Chapter have commented on the excellent GEAR that you published this quarter. It is a fine piece of work and certainly serves its purpose in keeping the members interested in the other chapters.

We wish to extend our best wishes for the coming year.

Yours in H & T,
ROBERT F. WEYHER, Scribe

Thank you, Brother Weyher. Let us know when you need a plug.

College of Applied Science
Syracuse University
February 1, 1938

Dear Brothers Mercer and Howe:

I am writing to convey to you my tardy but none the less sincere thanks for the pic-

ture of the all-wood suspension bridge which you sent to me a few weeks ago.

This bridge is truly an amazing structure. I am greatly indebted to Brother Paul A. Woodruff for his thoughtfulness in sending me the photograph. I am having a lantern slide prepared from the photograph, so that I may show the structure to some of my audiences.

If any of the other Brothers of Theta Tau know of any unusual bridges, I will be very grateful to them for any pertinent information which they may be able to send me.

Yours in H & T,
E. F. BERRY

Glad THE GEAR could serve as intermediary, Brother Berry, and hope we can stir up some more pictures for you. See Brother Burleson's letter.

Macachi, Ecuador
January 24, 1938

Dear Brothers:

There are now six Theta Taus that I know of here in Ecuador, four in Portovelo (the South American Development Company's camp in southern Ecuador) and Trank and I here in Macachi. Both camps are controlled by the same company but this property comes under the name of Cotopaxi Exploration Company.

It should not be long now before we can start an Ecuadorian alumni chapter—the only objection being that mules, auto, train, and launch would have to be utilized to bring all members together.

Yours in H & T,
MEL WILLIAMS, Psi '36

You have an idea, Brother Williams. Hope some day it can materialize.

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

Dear Brothers:

I am very sorry I neglected to answer your letter of some months ago.

I've been in Chile over ten months and I think it's a great country. The experience one gets in the mine here is invaluable, to say nothing of the occasional opportunities to travel and learn something of the people.

My professional title is "Junior Mining Engineer". However I work in the operations department as level boss, or shift boss, which would be the title in the States.

Later on I will be glad to send a few pictures that I believe will be of interest to you. You are no doubt aware of the fact that we have some eight or more members of Theta

Tau here in this camp. I will try to get a picture of all of us to send in to headquarters.

I certainly look forward to the arrival of each copy of *THE GEAR*. I intend to be here at least two more years so that this will be my address for a while yet. After that, Queen side?

Yours in H & T,

GLENN C. JOHNSON, Psi '34

P. S. I am interested in buying a guard for my pin, and would appreciate it very much if it were possible to send me correspondence referring to same.

We will be glad to have that picture. Grand Treasurer Vawter handles all fraternity jewelry orders. Our regards to all of you.

Box 276

Tecoma, N. Mexican

Brothers Mercer and Howe:

Through my own negligence I have failed to receive the Fall, 1937, issue of *THE GEAR*. Perhaps it was because I had hoped that the members of my chapter had continued what I thought I had somewhat established as a regular thing; sending a lot of the alumni and their known addresses to the 'home office'. Since I have all the copies of our publication that have been issued since I first became affiliated with Theta Tau, I am anxious to receive the latest copy to add to my file. I hope you can find an extra to send me.

Brother John Tard, ex '34 from Omega, has his copy here at the same address, so I did get to read it. Enjoyed it all very much.

Recalling mention of the hobby of Brother E. F. Berry: I noticed two pictures of bridges in the January, 1938, "Fortune" which might interest him.

Wonder if any of the older brothers have taken to collecting old books as a hobby, and if anyone would be interested in an old Latin Physics text, printed in 1716 in England? I am at a total loss as to its value in a collection but would certainly be glad to consider any or all offers.

Thanks a lot, and with best wishes for *THE GEAR* and its editors, I am

Yours in H & T,

WILL A. BURLESON, Omega '37

Maybe some possessor of an I. Q. around 200 would like a Physics book in Latin. Students seem to have a time with those in English.

April 2, 1938

Dear Brother Howe:

For many months I have intended writing you to tell you how much I enjoy reading

every issue of *THE GEAR*. It is a mighty attractive little magazine and I always find it full of interesting news.

Last week I finally mailed a change of address coupon to you. I should have done this years ago. I have been receiving my *Gears* though as they have always been forwarded.

The items I particularly enjoy in *THE GEAR* are the activities of the men who are working at the corners of the earth so to speak. Then too, I enjoy the chapter notes from Kappa (if and when they get around to sending them in in time for publication) and the alumni notes.

Are there any alumni groups in or near Buffalo? So far I haven't run across any brothers since I have been here. I ran across one in Boston last year while I was with the U. S. Gypsum Co. there. He was Andy Anderson, a Colorado School of Mines man. I'm not sure just what year he finished, but believe it was in the early 1920's. He's assistant district manager of the Boston office of the U. S. Gypsum Co.

I resigned from the Gypsum company where I had been junior district engineer (selling gypsum roofs, floors and fireproofing, and acoustical materials) to come to Buffalo to take charge of the Acoustical work for the Martin Fireproofing Corporation, who are district contractors for the gypsum company in western New York and northwestern Pennsylvania. In addition to acoustical work we are contractors for partition wall work, fireproofing and roof construction.

I'm still very much single but I have brought my mother East with me and we now make our home here at 177 Sanders Rd., Buffalo, N. Y.

Please give my regards to Professor Vawter of Illinois when you see him or write him. He was one of my favorite instructors while I was at Illinois.

The thought has just come to me that an interesting article for *THE GEAR* would be a resume of the many fields in which Theta Tau men are working. The majority of course follow engineering in some form, but even here there are dozens of different lines and then there are many who have gone into activities they probably never dreamed of when they were in school.

Wishing you and *THE GEAR* the best of success, I am

Yours in H & T,

JOHN R. WEBB, Kappa '32

We are glad you find *THE GEAR* interesting and feel that your suggestion has much merit. Perhaps enough material will be available from the directory cards to permit such an article to be worked up.

Letters to the Grand Scribe

Hubert G. Schenck, Epsilon '22, Zafidan, Iran

I am on a year's leave of absence from Stanford University to serve as paleontologist for the American Oil Company in Iran and for the Inland Exploration Company in Afghanistan. I sailed from New York on July 29th, stopping en route to Iran at Marseilles, Naples, Alexandria, Jaffa, Haifa, Beirut, and Baghdad. Most of the field work to date has been in the desert regions of eastern Iran and I expect to be about four months in Afghanistan before returning to California. The region is a mountainous one and in many ways like the desert regions of California and Nevada.

You may well believe that the work is very interesting and I have collected enough fossils to keep me busy for some time to come. So far I have covered by car a little more than 10,000 miles of Persian roads, some good, some bad, and some indifferent. My automotive equipment is a Chevrolet sedan and a Marmos-Herrington four wheel drive with a Ford V-8 motor. It's pretty chilly at this season but I warm my tent with a small Primus stove. The driver of our camel caravan said that I take care where a camel can't go.

Edward H. Witter, Epsilon '17, Consolidated Mines, Inc., Hinocock Bldg., Manila, P. I.

What you wrote in regard to Theta Tau in answer to my inquiry interests me very much. The only men I knew over here were George Scarfe (Epsilon '21) and Russell Bryan (Gamma '08) of my own outfit, and Bill Donaldson (Epsilon '24) also with us. Don Gregg of Gamma is also over here with another outfit. He worked for me two years in Mexico. I suspected many others were over here but did not know who they were.

I am constitutionally a lone wolf and the opposite of a joiner. But I look back with the greatest of pleasure on my active and later associations with Theta Tau, especially, perhaps, my returns to Berkeley, the occasional invitations I was able to attend, and the little talks I gave the boys at meetings. The relations between the younger men and the older always seemed to me to be one of the admirable things about our fraternity, also, the standards of admission, kept up so regularly over a long period of years. The motto of the Bohemian Club is "Eating Spiders Come Not Here," and I think we have had exceptional

success in keeping the spiders out. Conversely, the type we lean to has always been the kind I liked instinctively in my youth, a preference confirmed by experience.

With these thoughts in mind I am glad to get the list of men here and to do what I can to get them together. In this connection I wonder if you could send me a general directory of the fraternity. Just let them send me the bill for what it costs. All this makes me think of my old friend, dear Dick Russell, now sworn beyond my ken at Louisiana State University, in the shadow of Saint Huey Long. Uncle George Lunderback I saw last fall before coming here. Kindly as ever and as eternally busy about one thing or another.

A. L. Ferris, Beta '11, Mina Berlin, Yacoual, Colombia, S. A.

Possibly I mentioned in some previous letter that we are enlarging our mill here to 100 tons and I can assure you that in this location way out here in the mountains, this means a lot of work. It is a task getting machinery in here. On top of this I have made several examination trips, so do not hesitate to say that I have been busy.

Right now we are rushing work on an extension to the crushing plant which includes a three-foot Symons, screens, etc. While this does not sound like much, if you could see the ground on which we are installing this, you would understand. The new coarse ore bin is built on the side of a steep hill and on darn poor ground, so we have to be very careful. We are also hauling in a steel building, two 7 x 8 ballmills, six Dieter tables, two small Pachuca, pumps, motors, etc., and have just completed installing a fine Ingersoll-Rand compressor. Next month we will receive two Lima shovels. We are using three RDs Caterpillars to haul over a very mountainous road. In addition to this we are keeping our 100 ton mill going and doing a lot of additional development work in the mine.

I enjoyed very much reading the article in the last *GRAZ* by my old friend Charles Thielcke. I have been going to write to him for two years but have not gotten around to it. I hope to get back to the states in the fall of 1938, and if I do I want to get out west and return by Frisco. If I get to Frisco I want to get over to Reno for a day or two to see you. Please remember me to Hopkins.

Carlos F. Burt, Beta '12, Pachuca, Hidalgo, Mexico

John Reilly, Iota '17, is now general mine superintendent here. Besides Reilly, Vito Bransullo, Epulone '20, and Alan Probert, Epulone '21, are here. That makes four of us as far as we can find out. We discussed the situa-

tion the other night. If you know of any others let me know about them. Pachuca is only about an hour and a half's ride from Mexico City, which makes it much more interesting than many other Mexican mining interests in which I have been. I have a better job here and better prospects.

Additions to Membership

ALPHA

- 421 Richard F. Sturberg, Lawrence, Mass.
 422 Joseph Geraci, Bronx, New York City
 423 Lester L. Anderson, Halingford, Minn.
 424 Walter E. Linscheid, Minneapolis, Minn.
 425 Donald W. Scott, Hamel, Minn.
 426 John A. Erhart, Knoxville, Iowa
 427 Burton H. Boyum, Minneapolis, Minn.
 428 Vernon R. Peterson, Minneapolis, Minn.
 429 Ralph E. McMillen, Pipestone, Minn.

BETA

- 424 Harold J. Hupfer, Marquette, Michigan
 425 James E. Van Effen, Escanaba, Michigan
 426 William H. Carson, Camden, N. J.
 427 George H. Sander, Marquette, Mich.
 428 Robert C. Seemon, Jr., Duluth, Minn.
 429 Albert Raitzer, Lawrence, Mich.
 430 Phillip L. Johnson, Indianapolis, Ind.
 431 J. Kelly Paull, Ishpeming, Mich.

GAMMA

- 489 Harley J. McDonald, LaGrange, Ill.
 490 James O. Couch, Fort Ville, Ind.
 491 William Anderson, Jr., Goinson, Mont.
 492 William E. Strain, Santa Barbara, Calif.
 493 Paul Fells, St. Bryerut, Ohio
 494 Jounnie Mills, Riverside, Calif.
 495 Donald F. Salisbury, Glendale, Calif.
 496 Charles F. Redman, McAllen, Texas
 497 Louis Beerkamp, Brighton, Colo.
 498 Charles DeLong, Denver, Colo.
 499 Clarence Mac Dye, Tondoy, Idaho
 500 Robert J. Blair, Birmingham, Ala.
 501 Oscar W. Carlson, Rodeville, Wyoming
 502 Adalbert W. Warren, Golden, Colo.
 503 Schuyler A. Herros, Salt Lake City, Utah
 504 Jack D. Powers, Victor, Colo.
 505 Ralph G. Finlay, Walsenburg, Colo.
 506 Arthur O. Detmar, Stearns Island, N. Y.
 507 Lewis D. Anderson, Manhattan, Nevada
 508 Harburt E. Treichler, Jr., Newgulf, Tex.
 509 Donald H. Dowlin, West Chester, Pa.
 510 Walter Patten, Las Animas, Colo.
 511 John G. Craig, Plainfield, N. J.
 512 George H. Gilson, Valdez, Alaska
 513 Fred A. Karns, Denver, Colo.
 514 Allen S. Crowley, Long Beach, Calif.

DELTA

- 189 R. A. Vanderhoof, Toledo, Ohio
 190 Howard V. Reed, Cleveland, Ohio
 191 Carl Carlson, Cleveland, Ohio
 192
 193 Ralph E. Willson, Madison, Ohio
 194 Jack Lubahn, Cleveland Heights, Ohio
 195 Donald L. Snow, Cleveland, Ohio
 196 William G. Woolow, Cleveland Heights, Ohio
 197 J. C. Hildreth, Cleveland, Ohio
 198 Arnold W. Hayman, Cleveland, Ohio
 199 Eric T. Nord, Cleveland, Ohio
 400 William A. Crawford, Cleveland, Ohio

THETA

- 239 James Barton, Newark, N. J.
 240 Albert J. Bondler, New York City
 241 Ernest M. Card, Jr., Tacoma, Wash.
 242 Robert V. Closs, Frisquet, L. I., N. Y.
 243 William B. Coughlin, Cincinnati, Ohio
 244 William J. Hoffman, Plainfield, N. J.
 245 Joseph H. Walter, Jr., Rockaway Beach, N. Y.
 246 Vincent J. Marchon, West New York, N. J.
 247 Philip H. Fassett, Miami, Florida

IOTA

- 511 Harry L. Gerwin, Rush Hill, Mo.
 512 John R. McCloskey, Centralia, Ill.
 513 Harold S. Kidd, St. Louis, Mo.
 514 George E. Mathers, Macheson, Mo.
 515 Roy C. Corsett, Webb City, Mo.
 516 Donald B. Janneck, Louisiana, Mo.
 517 Wade D. Waters, Matthews, Mo.
 518 Almon E. Rhodes, New Bloomfield, Mo.
 519 Ray D. Dallmeyer, St. Charles, Mo.

LAMBDA

- 379 Vance H. McNolly, Owyhee, Nevada
 380 George B. Bradshaw, Salt Lake City, Utah
 381 James M. Hewes, Salt Lake City, Utah
 382 Francis M. Partridge, Salt Lake City, Utah
 383 Wayne E. McNolly, Owyhee, Nevada

MU

- 226 James P. Argo, Enley, Alabama
 227 Joe Worwamann, Jr., Birmingham, Ala.
 228 Richard Tracy, Bayonne, N. J.
 229 Earl D. Mauser, Williamsville, N. Y.
 230 S. Norman Crump, Montgomery, Ala.
 231 Clifford B. Bonham, St. Petersburg, Fla.
 232 Frank B. Stickney, Havana, Cuba
 233 Donald T. Bernick, Chautauque, N. Y.
 234 Patrick N. Morgan, Lackawanna, N. Y.
 235 D. H. McCandlish, Jacksonville, Fla.
 236 Ernest T. George, Jr., Macon, Miss.

NU

- 299 Frederick W. Fisch, Pittsburgh, Pa.
 300 James J. Hegez, Library, Pa.
 301 Charles D. Henderson, Pittsburgh, Pa.
 302 Melvin D. Henderson, McKeesport, Pa.
 303 Herman E. Muller, Pittsburgh, Pa.
 304 Ross W. Rutzler, New Brighton, Pa.

OMICRON

- 227 Verne F. Anthony, Iowa City, Iowa
 228 Alvin Gross, Coralville, Iowa
 229 Glenn T. Kellogg, Huntington, N. D.

PI

- 194 Charles E. Batchelder, Charlottesville, Va.
 195 Edmund N. Boswell, Fredonia, N. Y.
 196 Joseph S. Cragwell, Jr., Cartersville, Va.
 197 Hugh A. Criger, Jr., Brightwood, Va.
 198 Edwin B. Dunn, Halifax, Va.
 199 E. C. Edwards, Jr., Coloke, Va.
 200 James D. Hamon, Charlottesville, Va.
 201 E. Bruce Lauriault, Richmond, Va.
 202 Wendell E. Milhon, Norfolk, Va.
 203 Steward W. O'Keefe, Winchester, Va.
 204 John H. Sidebottom, Philadelphia, Pa.
 205 Monroe Warren, Jr., Chevy Chase, Md.
 206 Ogden Willie, Coalburgh, West Va.
 207 Jerry L. Thomas, Jr., Charlottesville, Va.
 208 William B. Shippen, Washington, D. C.
 209 Gerran Colvin, Jackson Heights, N. Y.
 210 Frank P. Nichols, Jr., Richmond, Va.
 211
 212 Arthur Tutbill, University, Va.
 213 Philip S. Ball, Annapolis, Md.
 214 Robert L. Gillispie, Jr., Ennsville, Va.
 215 Thomas C. Mose, Keywick, Va.
 216 John L. Patterson, Grotton, Va.
 217 William H. Bache, Atlanta, Ga.

SIGMA

- 203 William P. Matthews, Hamilton, Ohio
 204 Howard M. Dickason, Richmond, Ohio
 207 Jack E. Zimmerman, Lovendonville, Ohio
 208 Perry E. Borchers, Jr., Dayton, Ohio

TAU

- 182 Robert Guendon, Binghamton, N. Y.
 183 E. Frederick Wells, Syracuse, N. Y.
 184 Leo M. Burbridge, Syracuse, N. Y.
 185 Donald M. Bridgewater, Syracuse, N. Y.
 186 Robert Hall, Guildhall, Vermont
 187 Herbert C. McClure, Collierville, N. Y.
 188 John T. Horchhok, Johnson City, N. Y.
 189 Lee C. Castle, Williamstown, N. Y.
 190 Albert Travosino, Ridgefield, Conn.
 191 Donald D. Mason, Syracuse, N. Y.
 192 G. Clinton Getty, Congers, N. Y.
 193 Lewis V. Evans, Chittenago, N. Y.

PHI

- 141 Charles E. Kramer, Hamilton, Ohio
 142 Kenneth E. Gardner, Whiting, Indiana
 143 William R. Ott, Hamilton, Ohio
 144 Forrest N. Prater, Cheyenne, Wyoming

CHI

- 145 H. Willet Van Leo, Tucson, Ariz.
 144 Harry J. Garrett, Tucson, Ariz.
 145 George L. Haynes, Jr., Blue, Ariz.
 146 David D. Rabb, Globe, Ariz.
 147 Angus E. McVicar, Tucson, Ariz.
 148 Richard H. Lynn, Tucson, Ariz.
 149 Frank M. Clouton, Hereford, Ariz.

PSI

- 84 Charles Lyden, Joplin, Mo.
 85 Richard L. Kenney, Scott, Saskatchewan, Canada
 86 Cameron A. Rich, Buckley, Wash.
 87 Lawrence T. Eck, Anaconda, Montana
 88 Gordon S. Fay, Chicopee, Mass.

OMEGA

- 107 Clinton E. Harding, Sioux Falls, S. Dak.
 108 Raymond N. Spears, Fresno, S. Dak.
 109 Malford B. Gilbrough, Fadora, S. Dak.
 110 Robert J. Dault, Rapid City, S. Dak.
 111 William B. Lindley, Leda, S. Dak.
 112 James R. Scott, Central City, S. Dak.
 113 Harold C. Hocutt, Heppner, Oregon

GAMMA BETA

- 69 August B. Millard, Laurel, Maryland
 70 Bevi M. Randall, Washington, D. C.
 71 Warren C. Crump, Washington, D. C.
 72 Bruce W. Woodard, Washington, D. C.
 73 Thomas H. Johnston, Arlington, Va.
 74 Richard Smothers, Washington, D. C.
 75 William N. Frye, Washington, D. C.

Letters From the Chapters

Alpha Living in Military Atmosphere



This school year has been a very successful one for Alpha Chapter. Rushing smokers during the fall quarter increased the pledge enrollment to a total of fourteen men at the close of the quarter. Of these fourteen men, nine were initiated

on February 13; this increased Alpha's active membership to twenty-seven. New active members are: Lester L. Anderson, Joseph Geraci, Richard F. Stoberg, Burton H. Boyum, Donald W. Scott, John S. Ehart, Ralph E. McMullen, Vernon T. Peterson, and Walter E. Lishold.

The pledge class at present consists of Gordon D. Rood, Raymond Helgeson, Phillip E. Gustafson, Frank D. St. Vincent, G. Robert Drake, Lester N. Jugg, Roland C. Meyer, and Richard J. Stockdale.

The chapter has been active in intramural sports, engaging in volleyball, badminton, hockey, basketball, and bowling. The hockey team was runner-up in the professional fraternity league.

Pledge St. Vincent is one of the mainstays on the Minnesota varsity hockey team. Dick Stoberg hopes to help the varsity baseball squad win its games this year. Joseph Geraci has entered competition for a position on the varsity gym team. A member of the varsity rifle team is Brother Geraci.

Harry A. Larson was honored by election to the All-University Council as representative

from the School of Mines. Ray Bass was appointed a member of the Forum Board, an all-university organization promoting discussion of political affairs. Don Scott serves as the Mines representative on the board of the Minnesota Techno-log, student engineering magazine. Millard Trossell and Harry Larson are humorists (?) on the staff of the same magazine.

Alpha is well represented in honorary organizations on the campus. Dick Coulston was recently elected to Mortar and Ball, honorary military fraternity. Pledge Rood is a member of Pershing Rifles, crack drill squad of the R. O. T. C. Don Johnson belongs to Scabbard and Blade, honorary military fraternity. One can well imagine that a military atmosphere prevails around the chapter house! Theta Tau's two Tau Beta Pi members are Lloyd A. Lewis and Donald W. Scott.

About a dozen socialites from the chapter attended the Interprofessional Ball on January 29th. Don Johnson headed the committee for the Ball. The annual Tri-Tech formal dinner-dance will be held on March 1th. This social function brings together the three prominent engineering fraternities on the campus, Theta Tau, Triangle, and Kappa Eta Kappa.

The present officers of the chapter are: Robert B. Aslows, Regent; Daniel O'Keefe, Vice-Regent; Harry A. Larson, Treasurer; Robert F. Hodgman, Scribe; Clifford B. Ohlman, Marshal; Lloyd A. Lewis, Corresponding Secretary; Reims A. Ranta, Inner Guard; and Raymond J. Bass, Outer Guard.

ROBERT F. HODGMAN

March 1, 1938

Beta Hangs Up All Time Scholarship Record



Beta Chapter wishes to introduce to the readers of THE GEAR its new members, initiated since the fall issue. They are: Harry Carson, Philip Johnson, Kelly Paul, Albert Raitzer, George Saunders, and Robert

Sernson. At present we have thirty-three active members. Our five pledges are: William Jerow, Paul Martin, Harold Barnum, Thomas Bennett, and Richard Brotherton.

Mrs. Harrington, our house mother, is ill again after being with us for the first part of the winter term. "Mum" is recuperating at the present in Detroit, and we all wish her a speedy trip on the road back to good health.

Writing anonymously, one of our members has kept up the "history" of the Chapter in our files. The "history", a sketch written for many years, but discontinued in the past few years, made a great impression on the brothers when many of their shady deeds were brought to light.

In the army, our members have continued

to be active. With more than fifty percent of our members enrolled in E. O. T. C. work, we have leaders as student officers, members of Tau Nu Tau, the local chapter of the national solitary fraternity, and marksmen on the rifle team. Beta Chapter is represented in Tau Nu Tau by Brothers Hultz, Manger, Krohn, Martin, Klemmer, Baxter, Ambrosiani, Turner, and Olson. With the completion of our new rifle range, we again find Tech in intercollegiate rifle competition. Brothers Olson, Berry, and Krohn are firing on Tech's rifle team, which hopes to regain the national intercollegiate championship won by Tech when we last had a rifle team.

Hockey and basketball have found several Beta men on the courts. Johnny Hascall, playing wing, is our only hockey representative. In basketball, we are represented by Brothers Krohn, starting center until last week when he received a broken nose; Bjork, guard; and Kievit, substitute forward and center. Brother Ham Harrington is manager, with Brother Phil Johnson as his assistant. The basketball team got off to a slow start, but has really put on steam to win three of its last four games.

In intramural our teams have made only a fair showing, but plan to turn on the heat in the remaining sports, volleyball and tennis. The volleyball team has dropped only four games, while winning fourteen. George Turner, versatile skier (pronounced "Sheer") took first place in the cross country race held during the winter carnival.

Beta is represented in campus activities with members in honor fraternities, technical societies, band, glee club, and student publications. The Blue Key service fraternity has six H & T men as members, namely: Ambrosiani, Eklund, Ferguson, Manger, Martin, and Moberg. Brother Eklund was co-chairman of the annual Winter Carnival, put on by the Blue Key Fraternity. The carnival featured unique snow statues, races, hockey games, and a parade. Brother Bob Williams turned sculptor for the carnival, and the

ASME automobile which took second prize was due entirely to his efforts.

Our representative in the brain trust, Norman Moberg has the distinction of being the only fraternity man on the campus in Tau Beta Pi. Beta lost our coveted cup last year while winning permanent possession of the army trophy, but we hope to recapture this cup, the scholarship award, as seen by the fact that the fall average for the house was the highest attained by any group on the campus in the history of the college.

Musical members of Theta Tau include Al Raitzer and Ham Harrington who sing in the glee club along with Brother Clarke Olson who holds the position of vice-president of the organization. Norm Moberg, Bill Swank, and Bob Polderman play in the band.

In a journalistic tangent are Brothers Eklund, and Hascall, who are managing editor and business manager, respectively, on the Look, while Brothers Andrew, Berry, and Campbell are reporters and ad-getters. Brother Ambrosiani is business manager of the year book, the Keweenaw, and is helped by Brothers Campbell, Manger, Hascall, and Andrew. Through Brother Ambrosiani's efforts the publication has been made into a yearly event rather than every two years.

Brothers are also well represented in the honorary engineering fraternities and technical societies. Brothers Saunders, and Olson, are president, and vice-president, respectively, of the junior class, and Brother Andrew is president of the sophomore class.

According to our custom, a new treasurer is to be elected to succeed Brother Harrington who has done an excellent job on the books in the last twelve months. Brothers Moberg and Campbell have been nominated for this post.

Our steward, George Turner, has done a fine job this year in getting the boys interested in the house, and has everyone working to the best of his ability on Saturday afternoons, our work day.

DAVID ANDREW

February 21, 1934

Delta Brings Prominent Engineers to Campus



which he is best fitted, Delta has organized

Delta Chapter has recently completed plans for the spring semester and again taken an important position in the campus activities. In order to aid the graduating engineer in choosing the field of engineering for

a program which will bring eight prominent engineering men to Case to speak to undergraduates on the subjects of: sales engineering, consulting engineering, personal work, production, design, management, research, and development. With speakers representing such a wide variety of general engineering groups, it was thought that all students could benefit from these forums, and consequently they are open to all who are interested.



Front row: Carlson, Winslow, Willard, Neville, Nord, Snow
Second row: Loudon, Hazvill, Markley, Looney, Lubahn, Seaver, Graham, Homburg
Back row: Willison, Jepson, Hildreth, Harske, Crawford, Neely, Reed, Riemen-
 schneider

The first meeting met with genuine enthusiasm, and the interest that was shown indicated that it will be advisable for the chapter to consider the program as a permanent annual function of the organization. The faculty and administration are lending their hearty support, and Brother Looney is to be commended for his efforts in furthering the idea. It is believed that this series of engineering talks, designed primarily to aid seniors in the selection of particular work in their professional fields, is the first of its kind sponsored by any Theta Tau chapter.

Theta Tau is represented in almost every activity on the campus. Tau Beta Pi claims nine of our brothers, and Blue Key claims

quite a few. Several of the brothers are in the various variety teams, and many find interest in activities such as the publications, musical clubs, and departmental organizations. Some of the positions held by our members include: President of the Senate, editor and business manager of the *Differential*, business manager of the *Case Tech*, president of the senior class, president and vice-president of the Board of Managers, student editor of the *Case Alumnus*, and numerous other positions.

Spring elections and the pledging of new men will be held in the near future.

WILLIAM R. SEAYER

March 11, 1938

Epsilon Has All-American Honor Student



With 14 actives and 8 pledges, Epsilon is carrying on the work started last semester of making this its peak year on the University of California campus. Officers for the spring term are Regent, Richard Mielenz; Vice-

Regent, William Nelson; Scribe, Al Repecki; Treasurer, Marvin Sirbu; Corresponding Secretary, Ivan Wilson.

Open house was held on February 3, with Professor Ralph W. Chaney, chairman of the paleontology department, as the principal speaker of the evening. Dr. Chaney gave an interesting account of the causes and events leading up to the Sino-Japanese War, based on personal observations made on his several

field-collection expeditions into China.

The formal initiation of new members has been scheduled for March 3 in the Mining Building, to be followed by the semi-annual banquet in the Hotel Oakland. Professor Howel Williams of the geology department has been secured as Master of Ceremonies. Although this letter must be placed in the mail before the event, a lively and enjoyable evening seems in prospect.

At the first meeting of the semester, January 26, past-Regent James Joubert gave an interesting report of his experiences as delegate to the convention. Brother Joubert brought back several new ideas for the betterment of the chapter. A new policy instituted so far this year is the reading of a portion of the constitution of the fraternity at each meeting.

One of Epsilon's outstanding members is



Back row: Lawrence, Johnston, Merriam, Adkins, Repocka, Douma, Stockton, Turner, Hunkins, Hill, Grant, Siebu
 Second row: Phillips, I. Wilson, Brown, J. Wilson, Brinsman, Wheeler, Thompson, Hay, Mielenz, Joubert
 Front row: McClure, Olsen, Byerts, Gray, Cathcart, Huston, Nelson, Bryan, Rowe

All-American football lineman Vard Stockton, who justified our praise in the last issue of *THE GEAR* by playing a leading role in the Bear's first Rose Bowl victory since the Wonder Team days. Stockton's vicious blocking and consistent defensive work won him selections as first string guard on several important All-American teams, including those picked by the North American Newspaper Alliance, the International News Service, the Hearst papers, and the United Press. He won favorable mention on many others.

Stockton dispelled the myth that athletes can't also be students, by maintaining an honor student status in his course in mining engineering, and winning a scholarship in his senior year based entirely upon scholastic standing. In addition to being a Theta Tau, Stockton was president of his social fraternity, Psi Upsilon, last term; and is a member of Skull and Key and Scabbard and Blade.

Also active in athletics are Jack Hay, football letterman, who was kept out of action

most of the year by injuries; Pledge George Jung, basketball; Ted Olsen, boxing; and Charles Hunkins, rugby.

Epsilon is proud of its high quota of members in honor societies this year. In Phi Beta Kappa are John Adkins, Joe Gregory and Richard Mielenz. In Sigma Xi are John Adkins, Pledge Carlton Condit, Joe Gregory, Richard Mielenz, Ivan Wilson, and James Wilson. Tau Beta Pi men are Kenneth Hill, Charles Hunkins, Roy Turner, and Pledge Robert Raymondcraft.

As usual our members are prominent in school activities. Robert Knowles is junior class president; Ed Wheeler, chairman of the rally committee; and Daniel Johnston in Phi Phi. In Scabbard and Blade are Pledge George Barnett, Charles Hunkins, Ian Lawrence, and Vard Stockton. Men on the Engineers' Council include Ian Lawrence, William Nelson, and Marvin Siebu.

IVAN F. WILSON

February 28, 1938

Zeta Struggles Along With but 41 Actives

LAWRENCE
KANSAS

Zeta Chapter has enjoyed a very successful year to date and also a fairly large year. We now have 41 actives and 13 pledges, having lost 4 actives by graduation and gained 3 by the initiation of Raymond Naper, Neiland Thudum, and Alvin Lee Barnett.

Election of officers will be held on March 8. The officers elected at this time will serve until initiation of new members sometime next fall.

Fourteen Zeta actives will leave Saturday, March 4 for Fayetteville, Arkansas, where they will attend the regional conference.

Zeta is very active on the "hill" this year. We have 7 men on the engineering council whose total number is 14. We also have one man on the student council for the entire university. This fall Zeta carried off first prize in the annual Homecoming float contest parade.

Our two social events to date are the winter formal held last fall and a buffet supper held at the chapter house. On March 12 Zeta will

hold its spring party. This party will be a revival of Zeta's traditional "Red Dog Inn" party.

At the "Hob Nod Hop", the annual engineers' ball, Roberta Cook, sponsored by Zeta of Theta Tau, was elected queen of all engineers for this season.

Zeta members are quite active in planning

and preparing for the engineering exposition which will be held later this spring. The annual engineering banquet is being materially aided by the presence of several members of Zeta on the staff.

ALAN W. ANDERSON

February 23, 1938

Theta Has a Lively Program



Since Theta last reported to the nation much has transpired at the Columbia outpost of Theta Tau.

To begin, nine outstanding underclassmen were inducted into membership in late November. The initiation ceremony was attended by many faculty and alumni members headed by "Pop" Harrington, who, even though now retired, is still one of the most active Theta Taus. Following the initiation, the chapter adjourned to a banquet at Tony's, where the new members were regaled not only with Tony's famous Italian stands, but also with the unopposed humor of the veteran members.

The new members include: Ernest Mason Card, Jr., James Burton, Joseph H. Walter, Robert V. Chou, Vincent J. Marchese, Albert J. Bendler, William B. Conghlin, William J. Hoffman, William H. Fausti.

Theta Tau dances invariably prove huge successes at Columbia. The February affair was, in the words of one, "more fun than any other ten dances of the year with the exception of the last Theta Tau dance." Members, with their respective belles, at their best, showed a good time to a large number of guests, including Dean Joseph W. Barker and his daughter, Miss Betty Barker.

Other social activities, smokers, weekly luncheons, and weekly evening meetings fill the gaps between the more important affairs. At

all of these gatherings, Brother Beitz, also known as "Snoozy", is invariably the butt of every obvious joke. He has not only the shortest stature of any man in the School of Engineering, but also probably the best nature. He and Brother Marchese are widely acclaimed for their interpretations of the exotic dances. "Bucky" Kall, the "Flying Arab", also finds intoxication in music, and when he lets himself go, he burns up the dance floor. Regent Chaskovitch (Gulliver) likes to give speeches. A glass of beer is an unfailing forerunner to "It now seems appropriate . . ." No one would pay any attention to him, but since his speech from the Convention, his tales of wine, women and song, both Chicago and Virginia-wise, have elicited some interest from the rest of the members.

Other Theta Taus are burning up the extra curricular roads as usual. Brother Bejarano is giving birth to a yearbook. He is being attended by Brother Marchese (Duke), who as photographic editor has taken pictures of everything in sight. Brother Sheehan heads the Dandelions, honorary engineering society, and wears the dubious honor of being Major Dandelion. He is also president of the Columbia Chapter of the A. S. C. E. Brothers Chaskovitch, Bendler, and Osmek are serving on the Student Council, while Brothers Bejarano, Choudoba, Strobel, and Walter are Tau Beta Pi men.

JOSE RAFAEL BEJARANO

February 27, 1938

Iota Furnishes Much Honorary Material



Iota has a total of 27 members at the present time. The officers are: E. B. Lanier, Regent; H. L. Prange, Vice-Regent; W. P. Rosenmoler, Scribe; and Wade D. Waters, Treasurer. New men who were initiated last

fall are: H. S. Kidd, Ray D. Dallmeyer, Wade

D. Waters, Roy C. Connett, Harry L. Gerwin, Donald B. Jannicks, George E. Machers, J. R. McClusky, and A. Erle Rhodes.

A banquet was held on November 18th in honor of the newly initiated members, at which Professor S. H. Lloyd acted as toastmaster. Dr. H. A. Buchler, an honorary member, gave a welcoming address which was followed by a talk given by the speaker of the evening, Mr. Robert P. Lyons. Mr. Lyons is

superintendent of the Ready Mixed Concrete Co. of Kansas City. Brother McClosky gave a response for the new initiates.

Brother Oberbeck acted as delegate and Brother Evans as alternate representing Iota Chapter at the national convention held in Chicago last December. These men gave an account of the convention which was very interesting and instructive.

As usual, Theta Tau is very well represented in the honorary societies on the campus. Of the six men accepted by Phi Kappa Phi, four are Theta Taus. They are: Brothers Lanier, Stokes, Cornett, and Seibel. The chapter is also represented in Tau Beta Pi by Brothers Ruemmler, Seibel, Lanier, Stokes, Short, Cornett, Ellis, and Jasucka. Regent Lanier is Cadet Major of the R. O. T. C. unit at the Missouri School of Mines.

The pledge committee, headed by Brother Marchess, has been active in securing prospective men, approximately ten of whom will be pledged in the near future.

A banquet was held on February 18th

which was attended by the active members, some alumni members, and several guests who are being considered for honorary membership. Of the group, three are expected to be initiated this spring. The honor guest of the evening was Brother Alexander M. Gow of Alpha Chapter, '21. Brother Gow is now State Statistician for the State of Missouri in connection with the P. W. A. and is located at Jefferson City, Missouri. From 1930 to 1933 Brother Gow was located in Rolla, during which time he was faculty advisor for Iota Chapter. The banquet was followed by a mixer to which about forty men eligible for pledging to Theta Tau were invited. Brother Gow gave a talk pertaining to cultural engineering, which was of great interest to all present.

A regional conference is planned for March 15th at Fayetteville, Arkansas, with Zeta, Iota, Upsilon, and Mu participating. About ten members from Iota plan to attend.

A. EARL KINROSS

February 24, 1934

Kappa Plans Field Trips



Kappa Chapter has started the second semester with renewed vigor. We now have four pledges, and hope to have about ten more. The present officers are B. F. Batt, Regent; Robert Spelbrink, Vice-Regent;

S. E. Frisbie, Secretary; G. K. Johnson, Treasurer; and H. R. Whildin, Corresponding Secretary.

Kappa is planning to have a display in the Electrical Engineering Show which takes place

in April. We are also planning several field trips for the semester. A trip to the old fields of southern Illinois has been suggested.

At a recent meeting Brother H. F. Evans gave an interesting talk on "Why Engineers Should Write." His talk gave us a new viewpoint on engineering work. Brother Frisbie told us about the good time he had at the convention in Chicago.

Brother T. J. Dolan is giving us real cooperation as faculty advisor, and we are confident of a successful semester.

HARLOW WHILDIN

February 26, 1934

Lambda Makes Ham Park's Column



To quote from Ham Park's (Senator from Sandpit, local columnist for the Salt Lake Tribune) column, "After the game George M. Jones (Lambda, President of the Intermountain Alumni Association)

called for me and took me to the Founders' Day banquet of the Lambda Chapter of Theta Tau and the Intermountain Alumni Association at the Alta Club. The bitterness of de-

feat (Utah at the hands of the University of Colorado, R. M. C. champions) was greatly allayed by the conspicuousness of the fare, which included Blue Pointers on the half shell and roast young duck. Ed Snyder (Beta) was responsible for the dinner and Ed is a connoisseur of good food.

"The program consisted of some clever song numbers by Kenley Whitelock and an intensely interesting illustrated lecture on western flowers by Dr. W. P. Cottam of the University of Utah. I was lousy for some "irrelevant" remarks. I don't know whether that billing

was a typographical error for 'irreverent' remarks or not. Otto Herzes (Gamma) said he thought they just left out the other two words, 'incompetent' and 'immature'. Anyway, the party was voted a huge success, and that's what counts."

We thought that by inserting the above quotation we might lay more alumni to the spring installation banquet, and then, too, it is much easier to quote than to make up your own stuff.

Lambda was honored by having Brother Erich J. Schrader visit us on his return from the 13th Biennial Convention. It was a pleasant surprise to have him 'just walk in' on our initiation. It is the first time Erich has been with us for an initiation since the spring of 1931. Erich reviewed the events of the convention and gave us some pointers on how to arrange for the coming regional convention to be held in Salt Lake City. As your delegate her doubtless told you, Lambda

is to be host to Psi, Gamma, Chi, Epsilon, and Omega in the fall of 1934.

Richard Shilling, Vance McNeilly, Kenneth Cropper ('31) have been elected to Tau Beta Pi. This brings the total number of Lambda men in Tau Beta Pi active chapter to six. William L. Bulkeley, Regent, was elected to Phi Kappa Phi. Bill is also secretary of the local chapter of Tau Beta Pi and has, incidentally, the highest average in the engineering school.

Members initiated at the last initiation are: Vance McNeilly, Blair Bradshaw, James Hewes, Francis Partridge, and Wayne McNeilly. The pledges are: Richard Hansen, Lammot Wilson, Farrel Alsop, and Harry Peterson.

Thought I was finished, but Regent Bulkeley just dropped in and informed me that Merle G. Heitzman, Gamma '17, was elected to Tau Beta Pi by the local chapter.

ROBERT F. WEYHER

March 1, 1934

Nu's Reading List Enthusiastically Received

PITTSBURGH
PA

Nu Chapter started the second semester with 36 actives, seven of whom were admitted at the initiation last December. Following a long time precedent at Tech, Nu has been sponsoring cultural talks on subjects such as sculpturing, painting, music, etc., in order to aid in "spreading culture among the engineers." The talks have been very well received this year.

One of Nu's principle achievements during the past year was the publication of a reading list which was prepared at the expense of a great amount of time on the part of the committee in charge, headed by David Edwards, and considerable expense to the chapter. The book list is divided into the following sections: Science and Technology, Philosophy and Religion, Psychology, Economics and Sociology, Fine Arts, Literature, Fiction, Biography, History, and Travel. Under each section is a group of books which represent the "cream of the crop" in that subject. Also included with each book is a brief paragraph giving a short resume of the contents of the book. The books under each subject were included only on the recommendation of the professors in charge of that subject at Carnegie Tech, or on the advice of the Carnegie library authorities. The book

list was distributed throughout the school, and each of the Theta Tau alumni of this chapter received a copy. The approval of both groups was unanimous.

At the meeting held February 21, 1934, the following new officers were elected:

Regent—David G. Edwards

Vice-Regent—Clem Bauman

Scribe—Clarence H. Daniel

Corresponding Secretary—Keith R. Cunningham

Treasurer—Prof. J. M. Daniels

In the extra curricular field Nu Chapter is not to be outdone. David Edwards is a member of Carnegie Technical and A. I. Ch. E. Leonard Hardin belongs to A. S. M. E., Pi Tau Sigma, and Tartan. John G. Kura is the athlete of the Chapter and represents Nu on the swimming and soccer teams. Fred W. Shaffer goes out for track. Keith R. Cunningham, a Pi Tau Sigma man, also belongs to A. S. M. E. Arthur F. Tutbill, another Pi Tau Sigma, attends all meetings of Alpha Phi Omega. Frederick W. Fuch is a member of A. I. E. E., and Melvin D. Henderson is president of the junior engineering class, is on student council, and is a member of Pi Tau Sigma, A. S. M. E., Kiltie Band, and Scimitar.

KEITH R. CUNNINGHAM

February 28, 1934

Omicron Co-operates in Mecca Events



Omicron of Theta Tau has definitely recovered from the state of lethargy in which it has been the last few years. With 18 actives and 13 pledges Omicron is fast approaching her old standards.

Brothers Verne F. Anthony, Glenn T. Kellogg, Alvin Green, and John C. Postlewait have been initiated since the last issue of THE GEAR.

At a regular meeting of Omicron Chapter on January 18, 1938, the following brothers were elected to lead the Chapter:

Stephen E. Westoby, Regent; William Winkelholz, Vice-Regent; Frederic F. Kubias, Scribe; L. Gerard Simon, Steward and Treasurer; Roland F. Krebill, Corresponding Secretary; Verne F. Anthony, Marshal; Eldron C. Arendus, Inner Guard; and Richard E. Melson, Outer Guard.

Mecca Week is coming in the near future and several of Omicron's men hold important positions on the various committees. Mecca Week is the annual engineers' celebration which takes place the week of St. Patrick's birthday. It features a banquet, show, smoking, and dance, at which time the Mecca Queen is presented.

Brother Weber and Pledge Coffin are on the Dance Committee, while Brothers Westoby and Anthony and Pledge Hardaway are members of the Exhibition Committee. Brother Melson was appointed to the Banquet Committee and Brother Winkelholz was made chairman of the Finance Committee. Brother Dix was elected to be the chairman of the Publicity Committee. Brother Weber, by reason of his great control of the English language, was elected to the position of tust-

master to preside at the banquet and show.

Brother Winkelholz is also treasurer of the Associated Students of Engineering and Brother Stearns is secretary. Brother Kubias was elected secretary and treasurer of the recently organized State University of Iowa Post of the Society of American Military Engineers.

Among the notables of whom we boast, is a mayor as one of our active members. Brother Green is mayor of Coralville Heights, a suburb of Iowa City. Brother Winkelholz was honored by being chosen as the best Senior Civil. He received a Junior membership in A. S. C. E. from the Iowa section.

In the line of sports, Omicron has been among those at the top. Losing only one game in the entire basketball contest, we were runner-up for the intra-mural championships in our section. Our basketball team is patiently (or impatiently) waiting until weather permits playing the game. The hedge team has a perfect score so far, not having lost a single game. Brother Kubias and Pledge Kurr have joined the ranks of those who find pleasure in soaring high above ground. Pledge Kurr has several hours of solo flight to his credit, while Brother Kubias is still in the process of learning. The plane used is a Taylor "Cub" owned by the local airport.

Brother Paul Auchenbrenner, who has been working with his brother Leo, '32, at the Westvaco Chlorine Products Corporation at South Charleston, West Virginia, returned the second semester to continue his studies.

Omicron extends to each and every brother an earnest invitation to come and visit us. We have a large chapter house, ideally situated. The door is always open.

FREDERIC F. KUBIAS

February 28, 1938

Pi Has Top Notch Athletes



Pi Chapter's forty actives, headed by Regent Herbert Landis, Vice-Regent Royden Franks, Scribe Charles Bild, Treasurer Vernon Quarles, Corresponding Secretary Churchill Chalkley, and House Manager Stuart Bell, continue to have a most successful year.

Friday night, January 28, Theta Tau left their drawing boards and slide rules behind them and struggled into their formal clothes. The occasion was the annual Engineering

Dance sponsored jointly by Theta Tau Fraternity and Trigon Society. Lyn Bell and Orchestra were imported from Richmond, Virginia. The best of music was the result, and a gala time was had by all.

A new 1938 RCA Victor combination radio-victrola is the newest addition to our chapter house. It was purchased in February just before Mid-Winter Dance Week and has proved to be an invaluable asset at all parties.

Pi Chapter continues to lead the way in athletics. Two brothers are members of Virginia's undefeated boxing team, Johnny Simp-

son fighting in the 111-pound spot and Johnny Mallard at 163; and Lloyd (Swede) Olson is starting on the basketball court for the second successive year, holding down the center position on the team. Also we are expecting great things from Frank Nichols, Virginia's softball pitcher, and Curtis Hanson, Virginia's half-outlet, during the coming spring months. The rest of the brothers do their part by participating in the various intramural athletic tournaments.

Another of Psi Chapter's student-faculty smokers was held in February, and a close relationship between professor and student was

drawn even closer. The smoker also served as a means of becoming better acquainted with first-year men, as several of them were invited.

We expect a new honorary member to join the ranks of Theta Tau during the latter part of March. He is Mr. Frank Hartman, Superintendent of Buildings and Grounds of the University of Virginia.

Examinations are in the not very distant future (March 10) and an atmosphere of impending great knowledge now surrounds the Theta Tau Chapter House on Mountbelle Hill.

CHARLES BIRD

February 24, 1918

Sigma Enjoys Novel Radio Service



Sigma Chapter of Theta Tau continues this quarter with twenty-one active members. Activities lately have consisted of dinner meetings and house dances. Because of numerous campus activities and dances, we did not have as many dances at the beginning of this quarter as usual, but now by paying a small amount each year, our own station, WOSU, furnishes continuous music from 9 till 12 o'clock every Saturday night for the benefit of the fraternity radio dances. We believe it a good idea and as a result of the unusually good time had by all present at the last one, it has been decided to have another next Saturday night, February 26. Our last dinner meeting this month will be February 27.

We have eight pledges enrolled and at the present time we are enforcing an extensive drive toward outstanding freshmen and sophomores, the freshmen not being initiated until their second year, to replace those leaving at the end of the year.

Our newly initiated brothers are M. Paul Mathews, Perry E. Borchers, Jack E. Zimmerman, and Howard M. Dickson. Judging from their work thus far they should prove capable men to hold office in the near future.

Our newly elected officers this winter are Robert G. Derrenberger, Regent; Paul C. Hartman, Treasurer; and Howard E. Castiglioni, Corresponding Secretary.

Brother Derrenberger is replacing Brother Schoewe, who has been our Regent for the past two years. As a token of remembrance, we are presenting ex-Regent Schoewe with the gavel for his splendid work and co-operation shown toward continuing the fraternity on a successful path.

Other officers are Randle B. Hickman, Vice-Regent; Elbert J. Boshinger, Scribe; and Albert M. Ankrum, Steward.

Our men are very active in extra curricular activities on the campus. Albert M. Ankrum is president of the Quadrangle Jesters, an engineering dramatic organization, and Brother Mathews is also a member. Editor of the Ohio State Engineer is Richard E. Sloane, another Theta Tau, who is really showing fine work toward making it "the magazine" for our engineers. Supporting him on the staff are other Sigma boys; Elbert J. Boshinger, Robert G. Derrenberger, Albert M. Ankrum, and pledge Raymond G. Schmitz. James M. Robinson is serving on the advisory board.

Again on the Engineers' Council we have as president Carl D. Fischer; Albert M. Ankrum, secretary-treasurer; and Elbert J. Boshinger, Richard D. Sloane, and James M. Robinson are also members. Brother Robinson is also the engineering representative to the Student Senate.

Members of Tau Beta Pi from Sigma Chapter are Brothers Sloane, Robinson, and Fischer. In Technika, an honorary engineering fraternity for extra curricular activities, we have Brothers Boshinger, Robinson, and Fischer. Once more, we have Brother Robinson as a member of Eta Kappa Nu.

Theta Tau has been very active in intramural sports. Our bowling team started as high scorers but lost later on in the tournament.

Our basketball team won the cup for the professional fraternity league then continued onward, being finally defeated in a very close battle when not very far from the top of the University league. Members of the team are Brothers Schoewe, Boshinger, Fischer, Zimmerman, and Pledge Schmitz, Robertson, and Hughes. Our "lucky" quarter scored 123 points to 71 for the opponents.

Our social committee is getting started on plans for our spring formal, and if everything goes as well as our last one, I am sure it will be very successful.

Plans are being made for the regional conference to be held at Sigma some time next fall.

While enroute through Columbus, Grand Vice-Regent Russell G. Glau paid us a visit and we discussed mainly the engineering profession in industry.

HOWARD E. CASTIGLIONI

February 21, 1938

Tau Calls the Roll



It's been a great year for Theta Tau at Syracuse. The annual Engineers' Dance, just held last week, and sponsored by Tau Chapter, went over with a bang. It looks like next year we'll have to rent a larger floor, as the crowd this year was far over our estimate.

Now comes the time of preparation for the Engineers' Banquet, which always means a lot of work on our part. It's run by Tau Chapter, and is always a huge success.

Besides the time given to Theta Tau and its functions, the members of Tau Chapter do all right for themselves in other activities, and in scholarship, as witness the following:

Regent Fred Wise holds membership in Sigma Nu, Pi Mu Epsilon, Tau Beta Pi, Scabbard and Blade, A. S. M. E. He's past president of the student body, about 6000 strong, an R. O. T. C. Cadet Colonel, and a member of the varsity rifle team.

Vice-Regent Lloyd Cheney is secretary of the Senior Class in Applied Science, secretary of Tau Beta Pi, and chairman of A. S. C. E. Lloyd is a Sigma Pi Sigma and a Phi Kappa Phi.

Scribe Bill Boyle is vice-president of the Senior Class in Applied Science, chairman of A. S. M. E., and a member of Tau Beta Pi and the Technology Club. Bill was delegate to the National Convention at Chicago this year.

Treasurer Art Wadsworth is a member of A. S. M. E. and the Technology Club of Syracuse.

Ron Wiggins is Civil Service Officer in the Men's Student Government, holds membership in A. S. C. E., Tau Beta Pi and Sigma Nu, is president of the Honor Committee, and on the varsity swimming team.

Dick Taylor is secretary of A. S. M. E. Besides attending school, Dick goes in for flying to such an extent that he holds a pilot's license. Happy landings, Richard.

Ken Davenport was secretary-treasurer of his freshman class, and is now vice-chairman of A. S. M. E. "K.R." goes in for photography in a big way.

Mike Sanford is president of the junior class in applied science and used to be secretary-treasurer of the freshman class. He's on the varsity baseball team, the Intra-Mural Council, the Honor Committee, and is an associate Sigma Pi Sigma.

Don Mason belongs to A. S. M. E. and goes in for bowling. Up 22!!

Bob Gehring is vice-president of the junior class in applied science, a member of A. S. M. E., the Honor Committee, Pi Mu Epsilon, and the wrestling team. Bob is also an associate Sigma Pi Sigma.

Gordon King does the printing for the chapter. He has been on the Honor Committee three years, and is now vice-president. Only one year did Gordon miss election to the presidency of his class since he entered college. He must have been absent his sophomore year when they had elections. Gordon is a member of the A. S. M. E. and the Technology Club.

John Bogdanoff is vice-president of Tau Beta Pi, a member of A. S. M. E., Phi Kappa Phi, and Pi Mu Epsilon. "The Mad Russian's" interest lies with classical music and opera.

Ron Blair belongs to A. S. M. E. and the Technology Club. Ron has been leader of the Bowling League for the past three years, and has held the office of secretary and president of the League. Now he's on the varsity bowling team.

Fred Tuck is chairman of A. I. E. E. and a Sigma Phi Epsilon. Fred was on the freshman boxing team once, as well as the freshman crew. He was on the varsity football squad his junior year.

Bob Guendin is one of the new Theta Taus at Syracuse and is a member of A. S. M. E.

Gene Cummings, a Senior Administrative, worked in the Solvay Process Chemical Lab., though he doesn't know much about it, if you ask me. He's a member of A. S. C. E. and the Technology Club.

Ed Fassler tries to bowl like Ron Blair, but can't. Ed's in the Technology Club and A. S. M. E.

Don Schug plays tennis in George Hammond's swing hand—not bad either. Don was chairman of the dance committee and is a member of A. S. M. E.

Doug Burrell is a Beta Theta Pi and a member of A. S. M. E. He had a part in a recent production of the University Dramatic Club, as did

Leo Burbidge, who's also in E. O. T. C., Sigma Psi Sigma, and A. S. M. E. Leo is on the varsity track squad and the University's Radio Broadcasting cast.

Harold "Mumpsie" Goodson is a Phi Gamma Delta and belongs to A. S. M. E. He's on the varsity swimming team and the track squad.

Daguer Barnes kept in touch with Harold while Harold was in the hospital with mumps, poor boy.

Fred Walls is one of the new Theta Tau "on the hill." He's a Sigma Chi and a member of A. S. M. E.

Howard Weiner was on the football squad his freshman and sophomore years. He's now a Sigma Chi, a member of A. S. C. E., and the Honor Committee.

C. Elliott Davis is in Tau Beta Pi, Pi Mu Epsilon, Sigma Chi, and A. S. C. E. He was on the Omicron Staff his sophomore and junior years and the Hendricks Chapel Committee his first two years.

Herb McClure is a junior electrical and a member of A. I. E. E. Herb's a recent addition to our chapter.

Emerson Boston runs around in an Ainsie, which he takes to bed with him. Emerson knows something about photography, is a member of A. S. M. E. and the Technology Club.

Wayne Huntley is a senior civil, and active in A. S. C. E.

Al Traversino is active in dramatics and A. S. M. E., and is secretary-treasurer of the junior class.

Tommy Linsenbrink, a junior mechanical, is one of our new members. He's also in A. S. M. E., as is

Lee Castle, another new member, another junior mechanical.

Clinton Getzy is a junior civil and new to Theta Tau. "Clint" is in A. S. C. E.

Aldo Artiglia is secretary-treasurer of A. S. C. E. and vice-president of Scalp and Blade. Lewis Evans is vice-president of A. S. C. E., and a member of Sigma Psi Sigma, Pi Mu Epsilon, and the University band.

Jack Hatchkins holds membership in A. S. C. E. and the Outing Club, as well as a position on the varsity ski team.

Paul Lee is secretary of Tau Beta Pi, vice-president of Psi Kappa Alpha, and a member of A. I. E. E. Paul acts as engineer for the University radio station and is in the U. S. Naval Reserve.

Bob Hall is in charge of publicity for his chapter of Sigma Phi Epsilon and belongs to A. I. E. E. He's a new "Theta Tau of Tau" and a junior electrical.

Don Bridgewater came to Syracuse from E. P. I., where he spent one semester, and did some cross-country running. He's a Psi Kappa Phi and an Alpha Phi Omega, and a member of the Outing Club.

WILLIAM F. BOYLE, JR.

February 22, 1938

Phi to Celebrate Tenth Anniversary



If one were to walk into the chapter house here at Purdue, and were to hear the strumming of two Hawaiian guitars, the fluting of one ocarina, and the saxophone "take-offs" which frequent the place, one would probably think that Phi Chapter was a musical organization. Closer observation, however, would show that music is just a sideline with the boys, for they are really engineers at heart.

Of the nineteen activities of Phi Chapter nine are seniors expecting to graduate this June. The mechanical engineering school claims six of the seniors, the electrical, two; and the civil, one.

In the way of activities, we find Brothers Vanderford and Coers active in Scabbard and

Blade, Purdue Order of Zouaves, Purdue Order of Military Merit, and the Society of Automotive Engineers. Brother Coers is also a member of Alpha Phi Omega and Pi Tau Sigma honorary fraternities. Brothers Stech and Neidhardt are also Senior Cadet Officers in the E. O. T. C. Brother Stech is a member of Interfraternity Council, while Brother Neidhardt devotes most of his time to playing in a campus orchestra. Brother Ott works on the business staff of the Purdue Engineer, Brother Milos is business manager of Purdue Playshop, and Brother Barsha plays on Pigger Lambert's basketball squad. All in all, it seems that Phi Chapter has a good representation in most of the activities on the Purdue campus.

Brother Cloud returned to school this semester after working for some time in the Link Belt Company. He has been given the responsibility of being pledge master and has a

mighty fine group of eight pledges to work with. Our pledges are taking part in the football, swimming, track, and various other extra-curricular activities here at Purdue. Other than Brother Cloud's election as pledge master, our officers are the same as they appear in the fall issue of *THE GEAR*.

On April 23rd of this year, Phi Chapter is to celebrate its tenth anniversary. We are planning a big spring formal dance on the 23rd of April as a part of the celebration for this occasion. It is the hope that we can have all of our alumni living in this territory with us for this dance. In our recent edition

of a chapter letter to our alumni we included an alumni directory giving as much up-to-date information about our alumni as we could gather.

The members of Phi Chapter wish that they might have enjoyed the acquaintance of the delegates to the national convention as did our delegate, Brother Vanderford. Phi also wishes to extend a hearty invitation to all alumni and actives of Theta Tau who happen to be in this vicinity to pay us a visit.

WAYNE K. MELME

February 26, 1918

Chi Has Fine Meetings



The first semester's activities for Chi Chapter reached a peak at the autumn initiation banquet held on December 12th in the Varsity Room of the Pioneer Hotel. The new initiates were Harry J. Garrett,

Angus E. McVicar, George L. Haynes, Jr., Herman W. Van Loos, David D. Rabb, Richard H. Lynn, and Frank M. Cannon. The new initiates were initiated into the fraternity by Sam Tucker, Regent, and the response was given by initiate George Haynes. The principal speaker of the evening was William R. Turner, '16, who had just finished his aviation training at Pensacola, Florida. His subject, "Aviation as a Career", presented a colorful picture of his training and gave the fellows an idea of the thrills of naval aviation.

The last meeting of the first semester was held on January 18, 1918. Our honor guest and speaker for the evening was Brother Schau, Beta '14. Brother Schau told the boys of the experiences that he had while being snowed in for the winter at Spitzbergen, Norway. Working in a coal mine, having one bath all winter, and trying to survey the mine without proper equipment made the life of this engineer very romantic indeed. One of the lessons learned from this talk was that young engineers should be sure to understand the obligations of a contract and the conditions under which they will have to work before signing the contract.

Chi Chapter started the second semester off with a bang by having an open meeting the first evening, February 1st. This meeting was an open meeting to which all engineers were invited for the purpose of looking over the available material for spring initiation. Dr.



Back row: Prof. Thurnburg, Prof. Polk, Tucker, Dean Basler, Prof. Minton, Prof. Junction, Pierce, Prof. Borgquist, Sperry, Gardner, Thomas

Second row: Gohring, Lynn, Borgquist, Haynes, Van Loos, Cushing, McPherson

Third row: McVicar, Cannon

Front row: Hammons, Bejock, Rittenhouse, McLean, Young, Rabb, Dixon, Garrett

R. S. Butler, head of the geology department, gave a very interesting talk on geology as applied to engineering. The problems involved in the property rights caused by the Colorado River filling the Boulder Dam Reservoir with silt were discussed.

The famous Borgquist-Jimmerson annual stag bridge party was held in Professor Borgquist's home on the evening of February 4th. Neil Borgquist won a belt buckle—the high score prize, Arthur Dixon won a pipe—the consolation prize, and E. D. Gardner won some book ends—the alumni prize. John McPherson won a tie chain for being the first one to arrive. The award was made in order to encourage the boys to make Prof. Borgquist's 7:40 strength class on Tuesday, Thursday, and Saturday. (The Prof. has been making these classes six days a week for twelve years!). The door prize was rightfully won by Neil Borgquist, but the boys figured that this was a frame up. (Ouch!) A suit was made and the prize was awarded to David Rabb.

Plans for the annual St. Patrick's Day celebration were also discussed at the bridge party. Sam Tucker, our past Regent, was later elected as general chairman for activities of the day and Stanley Moss, also one of our Theta Taus, was elected editor for the Engineers' Edition

of our school paper—The Wildcat. The celebration is to consist of the annual ceremonies held in the Plaza of the Mines Building for the initiation of new engineering students into the Order of St. Patrick. Each freshman engineer must kiss the Blarney Stone from an inverted position while receiving the customary few swats to forever remind him of the occasion. Who will be given the honor of being St. Patrick has not yet been determined. St. Patrick will award certificates of the Order of St. Patrick to all graduating seniors after the initiation of the new men. Following these ceremonies will come the annual picnic and dance. This year Theta Tau is to award a silver loving cup to the engineering group which has the championship baseball team. The winning team will be decided upon during the picnic.

The new officers will be installed at a dinner meeting Tuesday March 1st, at the University Commons. The new officers are Elliot Cushing, Regent; John McPherson, Vice-Regent; Fred Clark, Scribe; Angus McVicar, Treasurer; and James Thomas, Corresponding Secretary.

WILLIAM J. THOMAS

February 26, 1938

Strong Minds and Weak Backs at Psi



BUTTE
MONT.

Psi's ratio of actives to pledges is being decreased. We now have 27 actives and 26 pledges. The officers of the chapter are the same as reported in

the Fall issue of THE GEAR.

On the second of December last, Psi Chapter was host to the alumni of Theta Tau in the surrounding district. The purpose of the meeting was to form a Montana Alumni Club which, it is hoped, will blossom into an Alumni Association at the proper time.

February 27th four men were initiated. These men were: Gordon Fay, Lawrence Eck, Richard Kenney, and Cameron Rich.

We didn't fare very well in the intramural competition this year. In fact, we couldn't have done much worse, as we landed at the bottom in the basketball tournament. However, scholastically we came out much better. The chapter was second in the list of organizations on the campus, being topped only by the student chapter of the A. I. M. E. Lutz Eck was high on the honor roll with a straight A average. Also all three seniors on the honor roll were members of Theta Tau.

Among the various members we find:

William Tuttleway is president of the Student Body.

George Himes is editor of the school magazine, *Gluck Auf*.



Rudin	McCurdy	Himes
front	AIME	Editor
Porto Rico	Scholarship	<i>Gluck Auf</i>

Virgil Chamberlain, besides being vice-president of the senior class, is a regular forward on the Mines basketball team.

Eddie Barnes, a pledge, regular fullback on the football team last year, is also on the basketball team.

Kal Hyyys has taken over Schlecten's ('37) job of Residence Hall preceptor.



Hulleran, Psi Regent, catches up

Roy McCready has won one of the A. I. M. E. scholarships for the year 1934-1935. Charles Beckstrom was holder of the scholarship for 1937-1938.

January 13th the chapter held another one of its Monte Carlo parties. This time the decorations were in wild west style. Charles Lyden acted as Houseman. He spent most of the evening replenishing the various members and their guests with "money". John Hulleran, the Regent, acted as auctioneer. He

managed to obtain \$90.25 for a cigarette lighter.

Clarence Schrader, nephew of the Grand Scribe, returned to school at the beginning of the second semester, as did Roy Smith ('37). Roy is starting to study for his master's degree.

Psi has just inaugurated a new method of handling the pledges. Each pledge is being put under the custody of a "big brother" who will be responsible for the pledge doing his required memory work, etc. Also, additional duties for the pledges have been drawn up. It is hoped that the new program will bring the pledges into closer contact with the fraternity.

The new furniture for the chapter room purchased last spring finally arrived and the chapter room is now completed. After the success met with in furnishing the chapter room, a group, headed by Ray Nelson, solicited funds and installed a pong-pong table in the basement of the house. As yet there has been no tournament to decide the chapter champion.

Grand Scribe Schrader has written that he expects to visit the chapter in the first part of March. We are all looking forward to his visit as it has been some time since a national officer has visited the chapter.

The spring party will take place during the first week in May. Where it will be held is yet to be decided.

R. A. BLAKE

February 25, 1938

Both Minds and Backs are Strong at Omega

RAPID CITY
S. D.

Omega Chapter is continuing its efforts to make this year one of the best in history at the School of Mines. The new house that we chose at the beginning of the school year has proved to be a real home and we believe that our choice was a good one. Mother Muckler has proved herself one hundred percent and her ability to prepare things "like mother used to make them" has really been demonstrated.

At the regular meeting at the end of the first semester Brother Trantina was relieved of his duties as House Manager and Brother Ira Stanley is now responsible for making both ends meet. Brother Trantina certainly proved that he will make an ideal wife for some young engineer and Brother Stanley seems to be well on the way toward a similar end.

Brother Gilbrough was selected to succeed Brother Woods as treasurer and Brother Seshbough was elected corresponding secretary.

The beginning of the school year found Omega Chapter with only sixteen actives. Seven new men joined at our fall initiation, and to date Omega has twenty-seven pledges. We were unfortunate in losing three of our pledges. Two were unable to remain in school and one transferred to the University of Minnesota.

Varsity athletics found Omega Chapter on hand to give their all for Theta Tau and the School of Mines. Brothers Lindley and Harding, and Pledges Egemo, Lee, Houghton and Curtiss helped make the football season one of the best in years, with five wins out of eight games and a second place in the conference. This was the highest placing that the School of Mines has had for ten years.

The varsity basketball team did not have quite as successful a season as the footballers did. Brothers Buss and Muckler and Pledges Binder, Krikrac, Egans, Kunze, and Atwater were right in there to make the game anything but easy for the opponents and at times the lineup was entirely made up of Theta Tau active and pledges. Varsity track has not yet started but it is expected that Theta Tau will be well represented again. At present Omega Chapter has a sizable point margin in the competition for the intramural cup which is awarded to the campus organization scoring the greatest number of points for the school year. Last year Theta Tau won this cup and

secured a position and here's hoping that this year's class will be equally fortunate.

As yet no definite plans have been made concerning the annual spring dance to be held by Omega, but the idea is being considered and it is our intention that one will be held.

Besides doing well in athletics, Omega Chapter has done equally well in scholastic activities. It is customary for the Mines Chapter of Sigma Tau to award a cup to the campus organization having the highest scholastic standing for the semester. The Chem. Society gained possession of the cup for four semesters but Omega Chapter came through and claimed the cup for the last semester of last year.



Omega Chapter

we hope to be able to keep it. School boxing found Brothers Dickey and Smith, and Pledge Cole and O'Hearn winning their respective divisions and in the intramural wrestling Brothers Dickey, Smith, and Stanley, and Pledge Cole were winners. Several seconds and thirds were also scored to bring the point total up. The volleyball team was runner-up in the school tournament and the basketball team is now in first place in the tournament that is drawing to a close. Track and swimming are yet to come and we hope to add to our point lead and retain the trophy.

Spring graduation will find Brothers Buss and Trautman leaving our rolls as geologists, Brother Muckler as a mining man, Brothers Scott and Donaldson as civil engineers, and Brothers Dickey and Smith will go out into the world to make names for themselves in the metallurgical field. Every Theta Tau in the graduating class of last year was able to

recently it was announced that Theta Tau had again won possession of the cup. The fall initiation of Sigma Tau found six active members of Theta Tau and one pledge eligible for membership in this honorary fraternity. The honor roll of the student body found Theta Tau men again listed, with Brother Smith topping the list with a straight A average in nineteen hours of metallurgy. Brother Smith is also president of Sigma Tau.

Brothers Buss and Dickey were delegated to attend the national Theta Tau convention at Chicago and they report a very interesting convention and a pleasant trip.

We of Omega feel quite proud of our success thus far and do hope that the other chapters of Theta Tau are having the best year ever.

L. J. SEIDOWER

February 27, 1938

Fun is Had at Gamma Beta



In a year of progressive activity and growth Gamma Beta feels that it has struck to the promise to have a better chapter of Theta Tau. In no small measure is this due to the superlative leadership of

Brother George Rhine, Regent. Assisting him are Brothers Charles J. Miluszewski, Vice-Regent; Bernard H. Benson, Secretary; Lawrence W. Floyd, Treasurer; and Thomas H. Johnston, Corresponding Secretary.

Gamma Betas have managed, together with their activities in Theta Tau, to take the lead in a number of other organizations, Brothers Rhine, Beane, Miluszewski, Garrau,

prospective pledges at a wienie roast, at which everyone had a whooping good time. Brother Rhine spent a fruitless five minutes trying to tag a tree, blindfolded. Brother Randall had even more difficulty. The game soon developed into an obstacle race, with benches, bags, and branches taking legs to block every avenue of progress. A creek near by increased both the distress of those blindfolded and the levity of the onlookers, who of course helped them to keep out of the water. Newly initiated Honorary Brother Sanford was also present, and demonstrated that he could roast a hot dog quite as well as he can direct the maintenance of the government's great power projects. The evening was rounded out in song, with much volume but less quality lent to fraternity songs and such American classics



Front row: Carr, Sommer, Jones, Prof. Ames, Rhine, Miluszewski, Downey, Matson
Second row: Floyd, Robertson, Crump, Garrau, Randall, Summers, Woolard
Back row: Frye, Johnston, Lobos, Baker, Beane, Link, Thomas, Evans

Floyd, Johnston, Crump, and Rhine comprise eight of the eleven members of the Engineer's Council, with Brothers Garrau, Floyd, Beane, and Crump serving as officers. Brothers Lobos, Floyd, and Crump are the chairmen of the local chapters of the A. I. E. E., A. S. M. E., and A. S. C. E., respectively, with Brother Millard serving as secretary of the latter. Sigma Tau has honored Brothers Rhine, Rhine, Johnston, Crump, Garrau, Miluszewski, Parsons, Link, Sommer, and Thomas with membership. Here, Brothers Link, Miluszewski, and Garrau all serve as officers. Further, Brother Evans is president of the senior class and is likewise a member of the staff of the University newspaper, the Hatchet. Brother Johnston represents the Engineering School on the Student Council. We have not tried it yet, but matters might be facilitated by holding a series of executive meetings after our Theta Tau meeting. Funny, I wonder why someone hasn't thought of that before?

Having called the roll, I can tell you of a very successful innovation introduced this winter. Brother Norman K. Ames played him in early December to the chapter and its

as Swan Adeline, Old Black Joe, The Man on the Flying Trapeze, and the like.

From the guests at the wienie roast six were pledged. The initiation and following banquet were held January 11 at the Hay-Adams Hotel. Those initiated were Thomas H. Johnston, Warren Crump, August Millard, Bruce Woolard, Bert Randall, and Neff Frye. The number of actives is thus raised to twenty-nine.

This month on the 19th we will hold our Third Anniversary Banquet, commemorating in a style we hope to be a portent of our future, Gamma Beta's installation date, March 19th. We will have as our guests Brother J. M. Daniels, Grand Regent; Brother Fred Coffman, Past Grand Regent; and our own Brother Norman B. Ames, Grand Outer Guard. These three, together with Brother Regent Rhine, will conduct the initiation of two current pledges in what we expect to be one of the most impressive initiations ever to be held. Brother Daniels will also conduct the installation ceremonies of Brother Norman B. Ames as Grand Outer Guard. The newly formed National Capital Alumni Association

will also be impressed with its charter. We sincerely hope that the occasion may be all that we have planned for it to be.

Brother Lehms is making arrangements to take motion pictures of our Anniversary Banquet, as well as highlights of the Nation's Capital, in order to give you, our Brothers,

a glimpse of the going-on here in Washington.

To wind up our school year we plan to hold a Spring Dance at one of the local hotels. To this the Brothers look forward for a roaring, though decorous, good time.

THOMAS H. JOSEYTON

February 25, 1938

Theta Tau Alumni Association of Chicago

At the December meeting of the Theta Tau Alumni Association of Chicago, the following officers were elected for 1938: Don B. Frisbie, President, Delta '31; H. R. Hilkey, Vice-President, Zeta '27; and J. B. Finch, Secretary-Treasurer, Alpha '36. The following directors were also elected: L. D. Parsons, Phi '31; Don Gillmore, Omega '36; and John Perry, Omicron '32.

The Chicago alumni of Theta Tau were glad to welcome to Chicago and to the Thirtieth Biennial Convocation of Theta Tau, all of the national officers and delegates on December 28, 30, and 31, and were proud of the outstanding group of delegates which is carrying on the active chapter life of Theta

Tau with the traditional high standards of our fraternity. We wish them every success for the years to come and hope if they are ever in Chicago again they will stop in and say hello.

We also wish to extend congratulations to the new national officers.

If any alumni are now living in or near Chicago and wish to get on our mailing list, write or call either James B. Finch, 27th and Madison St., Bellwood, Illinois, phone, Mansfield 7143, or Don B. Frisbie, 831 Plymouth Ct., Chicago, Illinois, c/o Photo Press Co.

JAMES B. FINCH

March 2, 1938

National Capital Alumni Association

The National Capital Alumni Association held its initial meeting as an association on Saturday, March 19th, joining with Gamma Beta Chapter in celebration of the third anniversary of the installation of the chapter at George Washington University.

In the afternoon at the Hay-Adams House the alumni met the Grand Regent, John M. Daniels, who came to Washington to install Professor Norman B. Ames as Grand Outer Guard. Past Grand Regent "Daddy" Fred Coffman came up from Raleigh to visit his adopted "children." Brothers Daniels, Coffman, Ames, and Rhine conducted an impressive initiation ceremony for three new members of Gamma Beta, followed by the installation of Brother Ames as Grand Outer Guard.

At the banquet in the evening, "Daddy" Coffman cut the birthday cake, posing for the candid cameraman. After the cigars were lighted, Brother Rex Anderson, newly elected president of the National Capital Alumni, welcomed the three score members of Theta Tau who were present, and turned the banquet over to "Deacon" Ames. The toastmaster introduced Dean John R. Lapham of the G. W. U. Engineering School; Past Grand Regent "Daddy" Coffman; "Uncle" George Sanford, Gamma Beta Hon.; John J. Kennedy, Alpha; Major W. D. Lupton, Alpha; Major Henry J. Matchett, Alpha; John C. Meikle, Nu; and other alumni who responded with short talks. Regent George Rhine gave a

short talk on the progress of Gamma Beta followed by the introduction of the Past Regents of Gamma Beta.

After songs by a quartet of members, the Grand Regent spoke to the group about the general condition of the Fraternity and presented the charter to the officers of the alumni association and a gear wheel from Nu Chapter to Gamma Beta Chapter.

A large illuminated replica of the badge of Theta Tau hung on the wall back of the speakers' table.

A silent tribute was paid to the memory of the late president Theodore C. Tho, Zeta, who died in December.

The quartet closed the banquet by singing the Alma Mater of G. W. U.

The following officers were elected at a special meeting of the executive committee of the alumni group in February to serve until November:

Rex S. Anderson, Alpha, president; Francis M. Huthbain, Gamma Beta, vice-president; and William J. Ellenberger, Gamma Beta, secretary-treasurer. The executive committee consists of Norman B. Ames, Gamma Beta; John E. Glass, Pi; and John J. Kennedy, Alpha.

All Theta Tau alumni in Washington are invited to join the association.

F. M. HORTON

March 21, 1938

Alumni News

ALPHA

- E. L. VINAL, '07, is general manager of the Muletown Consolidated Mines, Inc., in Shasta County and his address is Box 933, Redding, California. The home office address of the company is 1618 Northern Life Tower, Seattle, Washington.
- J. J. KENNEDY, '08, lives at 4000 Cathedral Ave., NW, Washington, D. C.
- J. CHARLES O'BRIEN, '12, is with the California State Mining Bureau, Ferry Bldg., San Francisco, Calif.
- J. WHITNEY LEWIS, '12, is an oil operator and his address is Apartado 744, Santo Domingo, Dominican Republic.
- FRED A. DAVIES, '16, has changed his address to California-Texas Oil Company, 130 East 43rd St., N. Y. C.
- HERMAN DAVIES, '21, has his office as petroleum geologist at 330 Camino Bldg., Denver, Colo.
- G. C. SEVERSON, '22, is with the Tidewater Oil Co., Pipeline Bldg., Tulsa, Okla.
- JOHN L. MIDDLETON, '23, is joint general manager of the Anglo Bulgarian Mines Ltd., Trin, Bulgaria.
- A. J. BAUERNSCHMIDT, '26, is with the Magalia Petroleum Co., Box 111, Houston, Texas.
- LLOYD V. BERKNER, '27, calls 201 Raymond St., Chevy Chase, Md., his home.
- STUART L. BAILEY, '27, receives all visitors at 4550 Connecticut Ave., Washington, D. C.
- NATHAN C. DAVIES, '28, is with the Empire Gas & Fuel Co., Wellsville, New York.
- MILLARD M. GARRISON, '28, lives at 542E Connecticut Ave., NW, Washington, D. C.
- PAUL A. SANDERS, '29, works with the Atlas Supply Co., 744 Broad St., Jersey City, N. J.
- REX S. ANDERSON, '30, gives his address as 1108 44th Place, S. E., Washington, D. C.
- J. HERBEN WILLIAMS, '32, lives at 801 20th St., NW, Washington, D. C.
- GEORGE B. BRUSHALL, '33, has left China and is now living at 1419 Grand St., Alameda, California.
- J. D. DANCHERTSIN, '33, informs us that he lives in Oklahoma City, Oklahoma, all mail going to Box 1232.
- JOHN P. SWENSON, '37, wrote us a nice letter giving his address as 796 Oscola Ave., St. Paul, Minn.

BETA

- F. W. VANCEY, '04, has been made general superintendent of the East Mindanao Mining Co., Surigao, Mindanao, P. I.
- JAMES TREMBATH, '08, gives his permanent address as c/o Mrs. Egan, 2124 South Bronson Street, Los Angeles, Calif.
- CURTIS F. BURT, '13, formerly mine superintendent for the A. S. & B. Co., at Angangueo, Mich., Mexico, is now with the Cia Real del Monte y Pachuca, at Pachuca, Hidalgo, Mexico.
- CLYDE W. NICKOLSON, '16, is now general superintendent of the Eagle-Picher Mining and Smelting Co., at Miami, Oklahoma.
- C. A. REMINGTON, '18, has resigned as manager of the Mogollon Cons. Mines Co., and is now addressed at Box 36, Mogollon, New Mexico.
- T. F. MYNERS, '21, has been appointed general superintendent of the Witherbee-Sherman Iron Mines at Mineville, N. Y.
- T. A. NILES, '27, now lives at 2141 C St., N. W., Washington, D. C.
- SHARON "TWINN" WALL, '33, has informed us, by circus poster, of the arrival of a smaller Walz, Jack Vernon. Probably from "the Walz you saved for me." Brother Walz resides at 2218 Peachtree Road, Atlanta, Georgia, and would enjoy hearing from any of his brothers.
- A short time ago we received a letter from BILL BATES, '34, which, using his own words, "will have to serve as a rather belated Founders' Day letter." Bill is still down in South America, and his letter proved to be a very interesting one.
- HERRERT L. KEINATH, '31, writes that his address is Route No. 1, Frankenmuth, Mich.
- A short note from HENRY L. RINGLE, '37, informs us that all mail for him is to go to 632 Highland Ave., Wyandotte, Mich.
- We regret to announce such a shortage of alumni news, but due to the silence of our alumni, we have had very little news. If the alumni of Beta Chapter would find time to drop us a short note, we would appreciate it very much and I am sure that many of our readers would be glad to have some news of them.

GAMMA

In the last issue of THE GEAR NORMAN FOLKETT is mentioned as a member of Gamma Chapter, class of 1936. We are informed by the Grand Scribe that this man was never initiated into Theta Tau. THE GEAR takes this occasion to call the facts to the attention of all members of Gamma Chapter.

S. POWELL WARREN, Hon. formerly with the Bryan Mining Co. at Simon, Nevada, is with the Black Mammoth Mining Co., Silver Peak, Nevada.

BYRON B. BOATRIGHT, Hon., has his office at 1209 Second National Bank Bldg., Houston, Texas.

W. VAL DeCAMP, '08, who has been consulting engineer for Mauricio Hochschild, S. A. M. L., in South America for the past year, has been appointed general manager of mines and will be in charge of the mining and metallurgical interests of that company in South America. His headquarters will be at Casilla 154, Oruro, Bolivia, S. A.

PHILIP M. McHUGH, '11, President of the Petree and Doer Engineering Co., Inc., has moved his office to 125 Wall St., N. Y. C.

CAPT. L. W. PRENTISS, '21, U. S. Corps of Engineers, is now instructor of the Nevada National Guard. His address is Room 19, Washoe County Library Building, Reno, Nevada.

PRENTICE F. BROWN, '22, manager of the Texas Division of the Honolulu Oil Corp., Ltd., changed his address to Box 1391, Midland, Texas.

DONALD C. GREGG, '22, works as a geologist for the Development and Mining Company, 407 Samaritan Bldg., Manila, P. I.

LOUIS C. RHODES, '22, is now living at 24 West Granite St., Butte, Mont.

RONALD E. CRANFORD, '23, represents Ingersoll Rand in Central America and gets his mail at Apartado 7-A Managua, Nicaragua, Central America.

FRANK H. STURMS, '24, is with Ingersoll Rand Co., Bogota, Columbia, S. A.

EARLE B. BLICKENSTAFF, '25, has changed his address to Mohave, Calif.

PAUL D. BIRD, '26, is with Lake Shore Mining Ltd., Kirkland Lake, Ontario, Canada.

CARL W. TUTTLE, '28, lives in Chicago at 6936 South Brandon.

ALDIN S. DONNELLY, '28, is geologist for the Honolulu Oil Corp., Ltd., and gets his mail at Box 1391, Midland, Texas.

EUGENE GALLAGHER, '28, is with the Continental Oil Co. at Houston, Texas, as assistant production manager.

D. I. LYONS, '30, a chemist at the plant of the Tidewater Associated Oil Company at

CLAYTON KERR, '30, district engineer for the Stanolind Oil & Gas Co., can be addressed at Box 123, Ellinwood, Kansas.

C. L. FLEISCHMAN, '30, who has been visiting in Boulder, Colorado, for several months, has gone to South America again and will be with the Cerro de Pasco Copper Corporation at Cerro de Pasco, Peru.

JACK COULBRAUGH, '31, research engineer for the American Cyanamid Co., has changed his address to Phoenix, Arizona, and resides at 2921 North Second Street.

HERBERT NYE, '31, has announced the birth of a son, Frederick Hamlin, born December 27, 1937. Herb is mining near Tehachapi, California, but his mail goes to No. 2, Mayview Lane, Pasadena, Calif.

J. GILBERT MARSHALL, '31, superintendent of Mid West Refineries at Alma, Michigan, has changed his mailing address to 114 East Center St.

ERNEST BOND, '32, represents A. Cases Company in Tulsa, Oklahoma.

JOHN E. DALEY, '32, who is with the WPA, has transferred to Fort Collins, Colo.

L. D. KNILL, '33, now works for the Utah Fuel Co. as safety engineer. His headquarters are at Castle Gate, Utah.

Wm. C. RUMP, '33, is petroleum engineer for The Texas Company and lives at 901 High St., Houston, La.

DANIEL GREENWOLD, '33, is with the U. S. Soil Conservation Service at Albuquerque, New Mexico, and lives at 1604 Campus Boulevard.

NEIL O. JOHNSON, '33, is with The Doer Company in Chicago, Ill. Neil's mail goes to 1802 W. Farwell Ave., Apt. 34, Rogers Park, Ill.

FRANK McCLURE, '34, can be addressed at 441 Josephine St., Denver, Colo.

ROBERT G. RIEGEL, '34, is in the metallurgical department of the Republic Steel Corporation, and lives at 203 East Judson St., Youngstown, Ohio.

JOSEPH KENNEDY, '33, lives at 418-L-Southwest, Ardmore, Oklahoma, and is a geologist for the Sinclair Prairie Oil Co.

JAMES COLASANTO, '33, has changed his address to 922 South Union St., Pueblo, Colo. James is employed by the Colorado Fuel and Iron Co.

CHAUNCEY L. SHARPE, ex '36, is with Ingersoll-Rand and gives his address as 346 Bates St., Phillipsburg, N. J. C. L. graduated as a mining engineer from the University of Nevada in 1937.

ROBERT OLUND, '36, is with the Ingersoll-Rand Co., Los Angeles, Calif.

FRANK D. THAYER, '36, was married to Miss Roberta Taylor of Denver, Colorado, on February 26, 1938. His job is with the

- AVON, lives at 114 Green St., Martinez, Calif.
Nevada Consolidated Copper Co., Hurley, New Mexico.
- HAROLD MITCHELL, '16, has migrated to Denver, Colorado, coming to rest at 2434 Bryant Street.
- JOHN E. HAYCOX, '26, is now being addressed at 1018 Parkview Ave., Youngstown, Ohio. He is in the testing laboratory of the Youngstown Sheet & Tube Co.
- R. M. WEST, '17, makes a living working for the Compania Consolidada de Petroles, Apartado No. 1706, Caracas, Venezuela, S. A.
- STEPHEN J. BROWN, '17, is designing engineer in the Mine Plant Division of the Bethlehem Steel Co., and lives at 1010 N. New St., Bethlehem, Pa.
- HUBERT E. RAYOR, '17, is engineer for the Alabama By-Products Corp., at their Bradford Mine. Hubert gets his mail at Box 17, DAVENIA, Ala.
- GENE MEYER, '17, works for the U. S. Gypsum Co., Southard, Oklahoma.
- ROBERT OLLUND, '17, is with Ingersoll-Rand Co., 1460 East 4th Ave., Los Angeles, Calif.
- JOSEPH E. HOPKINS, ex '23, is attending the University of Alaska. He can be reached c/o Fairbanks Exploration Co., Fairbanks, Alaska.

DELTA

- CARLENE H. STANB, '11, is with the U. S. Tariff Commission, Washington, D. C.
- R. D. MALM, '12, is with Clayton Marks Co., Civic Opera Bldg., Chicago, Illinois, and lives at 110 South Summit Ave., La Grange, Ill.
- C. S. ARMS, '12, who has been on the fraternity's "lose" list since 1928, attended a recent dinner of the Chicago Alumni Association. He informed us that he is with the Kesben H. Donnelly Corp., 310 East Cermack Road, Chicago, Ill. It's nice to have you back, Charles.
- OSCAR W. TURKINSON, '21, lives at 4114 Willow Lane, Chevy Chase, Md.
- GORDON N. GRAY, '21, writes that he lives at 3787 E. Antisdale Rd., Cleveland Heights, Ohio.
- HOWARD C. FELL, '52, sent us a note saying his mail is to go to 121 Riverside Dr., N. Y. C.
- CLARENCE F. ZEUNIG, '12, wants his mail to go to 1111 Trembridge Ave., Cleveland, Ohio.
- MAURIO BACKLUND, '13, has changed his address to 1987 Edgell Dr., Brooklyn Sta., Cleveland, Ohio.
- BEN ALLEN KORNHAEGER, '14, gives his address as 10021 Somerset Ave., Cleveland, Ohio.
- AUSTIN G. NAUGBY, '16, changes his address more often than the proverbial rolling stone. Right now it's 2090 Arthur Ave., Lakewood, Ohio.

EPSILON

- GEORGE B. DILLINGHAM, '11, has been appointed general manager of the I. X. L. Mining Company, Balta, Moshato, Philippine Islands, which is one of the large profitable gold mines in that country. He went to the Philippines last year for Developments, Inc., to be consulting engineer. After graduation he was with the San Vicente Mining Company in Mexico for three years, going from there to Bolivia in 1914 to be with the Bolivia Tin Corporation. Later he became chief engineer for Cerro de Pasco in Peru and in 1920 was put in charge of the Mosoncha division of the company. At a later date he was managing director of the mineral properties of Electric Bond and Share Company in South America.
- F. S. HUDSON, '11, sent a card informing us that after the first of the year 1938 his mail should be addressed c/o Shell Oil Co., 1008 West 6th St., Los Angeles, California.
- DON CARLOS BILICK, '13, is now general superintendent of the Rawhide Mine, Towle, Calif.
- DR. FRANK D. TRASK, '17, working for the U. S. Geol. Survey, lives in Washington, D. C.
- R. C. KERR, '17, returned to Arabia last year after spending a year in Alaska. He is doing geomorphic work for the Standard Oil Co.
- TRAVID P. LANG, '17, is now manager of the Tungsten Metals Corp., Ely, Nevada.
- BERT MILLER, '20, recently made a trip into ex-Ethiopia.

- Dr. PHILLIP J. SHENON, '22, lives in Washington, D. C., and works for the U. S. Geol. Survey.
- HUGH BORSCHVELT, '22, is in charge of the Shreveport office of the Standard Oil Co.
- HUBERT SCHEINCK, '22, is with the Amiranian Oil Co., No. 19 Khaban Nourat, Teheran, Iran.
- SCHUYLER B. HENRY, '23, who was in Dammam Camp, Arabia, last year, has been transferred to Cairo, Egypt. He is with the Standard Oil Co.
- TOM KUCH, '24, is in the Dutch East Indies.
- MASON L. HILL, '26, is a petroleum geologist located in Ventura, California.
- LAWRENCE TAYLOR, '26, is an oil geologist and located at Apartado Nacional No. 3, Ibaque, Colombia, S. A.
- ART BROWN, '26, is doing development work in South Texas with the Standard Oil Co.
- CLYDE W. JOHNSON, '27, is with the Richfield Oil Corporation in Los Angeles. He informs us that his residence address is 1811 S. Fourth St., Alhambra, Calif.
- W. DeCARROLL, '28, is now consulting engineer for the Mabate Goldfields, Inc., with office at 302 Co. Unjeng Bldg., Manila, P. I.
- DONALD KOCH, '29, works with the Superior Oil Co. at Bakersfield, Calif.
- W. M. WARREN, '30, who was recently in

- Oakland on a visit, is engaged on a tin placer in the Malay. His address is Anglo Oriental (Malays) Ltd., Kuala Lumpur, F. M. S.
- H. D. LEWIS, '31, gives his address as 840 S. Concord St., Los Angeles, Calif.
- A short note from WEMLEY HYATT, '32, tells us that his permanent and mailing addresses are the same, Somerset, Colorado.
- F. THOMSON JOHNSON, '34, writes that his mail goes to 1611 Thousand Oaks Blvd., Berkeley, Calif.
- JOHN E. ALLEN, '35, geologist for the Ruston Iron & Steel interests in California and Oregon, has moved from Grants Pass, Oregon, to Moro Bay, California, where his mail should be addressed to Box 837.
- GALIN STURGEON, '35, is with the Shell Oil Co. in Balikpapan, S. E. Borneo.
- CARL A. LEMBRICHT, '35, gives his business address as 1147 Broad Ave., Wilmington, Calif.
- JOE W. FLYNN, '37, now doing graduate work at the University of California, surprised us all by striding up to the altar last November. We wish him the best of luck.
- PINE CURRY, '37, is with the commissary office of the U. S. Navy, so we are informed.
- WILLIAM C. HAWK, '37, gives his address at 124 W. Santa Clara St., Santa Ana, Calif.

ZETA

- R. STEWART HENDERSON, '20, gives his address as 1400 N. H. Ave., NW, Washington, D. C.
- E. B. YOUNGSTROM, '33, wants his mail to

- go to 1904 East Elm St., Wichita, Kansas.
- LEWIS BENZ, '36, writes that his mail goes to Box 163, c/o Phillips Petroleum Co., Odessa, Texas.

ETA

- ARTHUR F. SEELY, '16, lives in Shreveport, La.
- FRANK S. KRUG, JR., '17, works as general manager of the Cincinnati Ice Manufacturing & Cold Storage Co., Cincinnati, Ohio.
- BRIAN CURTIS, '17, is research biologist for the California Division of Fish and Game, and is located at Stanford University, Palo Alto, Calif.
- K. S. M. DAVIDSON, '19, is an assistant professor of mechanical engineering at Stevens Institute of Technology, Hoboken, N. J.
- STUART NIXON, '21, now lives at 114 West Muskegon, Muskegon, Mich.
- DAN HAYLEY, '21, is with the Nash Engineering Co. of Norwalk, Conn.

- WILFRED THOMPSON, '21, makes his living with the Nash Engineering Co. of Norwalk, Conn.
- Wm. BAINBRIDGE, '22, is with the roofing department of the U. S. Gypsum Co., Chicago, Ill.
- KENNETH LOWN, '26, works with the Reliance Electric & Manufacturing Co., Greenville, South Carolina.
- MAURICE DAVIES, '27, is with John-Masville and lives in Plainfield, New Jersey.
- C. C. LADD, '30, is a patent lawyer with the firm of Blair, Curtis, Danson and Hayward, New York City. C. C. lives at Pomeroy Ridge, New Canaan, Conn.

THETA

T. H. BARRETT, '14, has joined the sales force of the Sawtooth Company, 719 Front St., Boise, Idaho. He was formerly with the Bucyrus Erie Company and will be in the mining and mill machinery department of the Sawtooth Co.

FRED S. WRIGHT, '15, is an oil operator and his address now is Box 24, Midland, Texas.

JOHN E. NEWTON, '21, makes his home at 1024 Conn. Ave., N.W., Washington, D. C.

DOUGLASS R. JUDS, '26, is with H. G. Ferguson Construction Co and makes his home at 8207 Outlook Ave., Oakland, Calif.

HEATON B. HEFFELINGER, '32, is associated with Symington-Gould Corp., Rochester, N. Y. His mail goes to 137 Harvard St., Rochester, N. Y.

CHARLES MASON, '32, is now connected with the Vapor Lamp Division of the General Electric Company.

M. N. SENACONI, '35, writes that his address is Box 456, Norris, Tenn.

DROUGHTY DAVIS, '36, wants it known that he is living at 617 West 113th St., N. Y. C.

RAFAL DE CARRERA, '36, who recently returned a married man from Havana, Cuba, is now living at 4618 Chester Ave., Philadelphia, Pa. Rafal is connected with the International General Electric Co.

IRVING F. GOULD, '36, will soon take the fatal step with Miss Elizabeth Daly of New York. Brother Gould is connected with Madigan and Hyland, consulting engineers, N. Y. C., and is engaged in the Bronx-Whitstone Bridge construction.

ANTHONY LOPICCOLO, '37, is employed by the Carrier Engineering Co., Long Island City, N. Y.

IOTA

PAUL HAYMAKER, '23, makes his home at 1718 T Street, N. W., Washington, D. C.

E. W. LOGAN, '34, works with the Emerson Electric Co., St. Louis, Mo.

The following is a list of the 1937 graduates and their present mailing addresses:

A. H. BARCLAY, JR., U. S. Gypsum Co., Fort Dodge, Iowa
 A. F. BOWENICK, Babcock and Wilcox Co., Lynn, Mass.
 W. F. BREWER, State Highway Dept., Jefferson City, Mo.
 G. W. DICKINSON, U. S. Gypsum Co., Lewistown, Mont.
 J. W. FRANK, 228 Wall St., Bethlehem, Pa.
 C. G. HEALEY, 324 S. Fannon St., Tyler, Texas
 W. L. HOLZ, Gulf Oil Co., Tulsa, Okla.
 W. E. LUDER, Aluminum Club, New Kensington, Pa.
 W. G. MALONEY, A. P. Green Fire Brick Co., Mexico, Mo.
 S. S. PORT, 1014 University Place, Schenectady, N. Y.

K. F. SHUCKLER, '34, makes a living at the A. P. Green Fire Brick Co., Mexico, Mo.

LAMBDA

GEORGE F. STOTT, '11, is with the Copper Range Co. at Prinesdale, Michigan.

A. L. DUNYAN, '22, is at Roosevelt, Uinta County, Utah.

WM. B. JACOBSEN, '28, lives in Ceude, Colorado.

GEORGE W. CARTER, '33, has moved from

Denver, Colorado, to Salt Lake City, Utah. Mail for George goes to 1804 Lincoln St.

HARRY W. RIBBIE, '37, writes that his mailing address is 101 East 1st North, Provo, Utah.

MU

CHARLES Z. MURRAY, '32, has changed his address to 111 Denver Ave., Bridgeport, Conn.

NU

- W. R. CUTHBERT, '22, is production engineer of the Pittsburgh Coal Co., Pittsburgh, Pa. W. R.'s mail goes to 3122 Pioneer Avenue, Brookline Br., Pittsburgh, Pa.
- WALTER F. MICHELSTREEK, '22, is superintendent of the Safety Mining Co., Benton, Ill.
- LEROY L. BYERLY, '23, is a mining engineer for the Harrison Walker Refractories Co., Pittsburgh, Pa. All visitors should go to 359 Fordham Ave., Brookline, Pittsburgh, Pa.
- RALPH E. KRAMER, '24, lives at 1748 Washington, Illinois, and is vice-president of the H. Channon Co., Chicago, Ill.
- A. W. BRYANT, '26, is a salesman for the American Rolling Mill Co., Detroit, Michigan. It seems that A. W. got hitched on Thanksgiving Day in 1936. Belated Greetings! Their home is at 600 Pingree Ave., Detroit, Michigan.
- HOWARD E. STRING, '26, works with the New England Mutual Life Insurance Co., 1909 Oliver Bldg., Pittsburgh, Pa.
- MAXWELL SCHEINGOUR, '26, is a partner in the firm of William Scringour, Engineer and Contractor, Washington, D. C. Most of the work is contracting with various U. S. Government departments.
- DOUG M. SHEPPARD, '28, works with the Northwestern Life Insurance Co., 1801 Clark Bldg., Pittsburgh, Pa.
- P. J. REUTER, '28, is out in California working as district manager of the industrial division of the Timken Roller Bearing Co., and gets his mail at 1800 Van Ness Ave., San Francisco, California.
- GEORGE M. WILK, '29, makes his home at 1433 Riverside Road, Lakewood, Ohio.
- HAROLD N. GEMMILL, '29, lives at 3721 Chatham Road, Baltimore, Md., earning his living with the Chesapeake Potomac Telephone Co. as an engineering assistant.
- O. S. WENIGER, '30, 219 Howard Ave., Clarkburg, W. Virginia, is a sales engineer with the Gulf Oil Corp.
- H. L. BUNKER, JR., '30, Tower Apartments, Greencastle, Indiana, works for the American Zinc Products Co., Greencastle.
- HARRY D. KOLB, '32, is Technical Editor in the Standard Oil Co. of N. J., and gets his mail at Room 1621, 26 Broadway, N. Y. C.
- ALBERT E. CASQU, '32, took unto himself a bride, Miss Margaret O'Donnell, in July, 1937. Their new home is 192 Summit Ave., Buffalo, N. Y.
- STEWART J. MEYER, '32, is treasurer of the Warren Lamp Co., Warren, Pa. Stewart lives at 106 Buchanan St., Warren.
- HAROLD F. NELZ, '33, is junior power engineer for the Ohio Power Co., Bellaire, Ohio.
- FREDERICK H. MENS, '33, informs us that his mailing address is 331 Harvard Ave., Elyria, Ohio.
- HENRY S. CASE, JR., '33, is an insurance representative. Henry's mail goes to 1718 Union Bank Bldg., Pittsburgh, Pa.
- HARRY E. KEINER, '33, wants it known that his new mailing address is 1133 N. Nigley Ave., Pittsburgh (63), Pa.
- E. L. WARRICK, '33, has a fellowship at the Mellon Institute, Pittsburgh, Pa., and lives at 309 Ridgewood Ave., West View, Pittsburgh, Pa.
- H. P. MILLER, JR., '33, 177 Struben St., Brooklyn, N. Y., is working in the engineering department of the W. Virginia Pulp and Paper Co.
- WILFRED R. UFFELMAN, '33, works for the Clark Controller Co. as a sales engineer. Wilf's home is at 1731 Page Ave., E. Cleveland, Ohio.
- H. C. WESTIN, '33, is in the patent department of the United Engineering & Foundry Co., Pittsburgh, Pa. H. C. is attending the Duquesne Law School in Pittsburgh, and lives at 114 Sixth St., Turtle Creek, Pa.
- J. W. BAKER, '34, 433 Chestnut St., Greensburg, Pa., works for the West Penn Power Co., Greensburg, Pa., as a solicitor.
- DONALD L. ASHBAUGH, '35, living at 1729 W. 1th Ave., Gary, Ind., works for the Carnegie-Illinois Steel Co.
- T. W. DANA, '35, is with the General Electric Co., Illuminating Engineering Laboratory, Schenectady, N. Y., doing work as an illuminating engineer for streets and highways.
- Wm. H. STAFFORD, '35, 1373 Lu St., Charleston, W. Va., works in the engineering department of the De Font de Nemours Co., Charleston, W. Va.
- EARLE R. COLE, '35, recently wedded Miss Joyce Romsberg of Sumner Co., Pa. The happy couple lives at 157 W. Malacca St., Akron, Ohio. Earle brings home the bacon from the B. F. Goodrich Co. He works with production problems and specifications.
- A. R. DENVALE, '36, Haskell Club, Washburn, Wis. That's all we know.
- LAWRENCE W. INGHEN, '36, lives at 1034 Perryville Ave., Pittsburgh, Pa.
- ROBERT KRAFT, '36, living at 348 Suckles St., Pittsburgh, Pa., is an assistant in economics, Brown University. Bob has been working in the Bureau of Business Research in the department of economics for two years, and hopes to get a master's degree in June.
- KARADKY FLOYD, '37, does engineering work with the Glenn L. Martin Co., Baltimore, Md., and lives at 192 Upper Rd., Baltimore.
- GLENN B. DAUGHTON, '37, is taking the engineering training course offered by the Union Switch & Signal Co., Swissvale, Pa. Glenn's mail goes to Box 222, Carnegie Institute of Technology, Pittsburgh, Pa.

XI

ROBERT GUY, '26, makes his home at 1 University Place, Greenwich Village, New York City.
 GEORGE L. SCHMIDT, '26, lives at 2124 Harrison, Davenport, Iowa.
 WEALEY MARTIN, '26, lives at 4014 North Kent Ave., Milwaukee, Wisc. He is a

chemical engineer for the A. O. Smith Co. WILLIS L. TRUESLER, '26, is at the University of Buffalo, Buffalo, N. Y.
 W. B. MURPHY, '28, is vice-president of A. C. Nelson Co., and lives in Larchmont, N. Y.

OMICRON

Word has been received that J. GARLAND GEARHART, ex '34, is the proud papa of a baby boy. Congratulations Brother Gearhart! We all hope the "little fellow" doesn't turn out to be a lawyer.
 PETER BACHKEK, ex '37, is heating and ventilating engineer for the Grand Rapids Light and Power Company, Grand Rapids, Michigan.

S. RUS SAYER, '37, accepted a position with the People's Power Co., Moline, Illinois.
 LOUIS BUTTERWORTH, '37, is employed by the Standard Oil Co. at their Whiting, Indiana, plant.
 FRANK JUNK, '37, and LEVY SANGER, '38, have returned to Iowa to take post-graduate work. Brother Sanger is also employed by the University Water Service.

PI

FRANCIS W. TAYLOR, '24, is manager of the Warren Fish Co., Pensacola, Fla. He and his family live at Bay Shore, Pensacola.
 HARRY F. BAUMANN, '24, is a civilian engineer in the U. S. Army Signal Corps and can be found at 1823 Monroe St., N.W., Washington, D. C.
 T. M. LINVILLE, '26, is a member of the Motor and Generator Engineering Department of the General Electric Company. His mail goes to 1810 Gillespie St., Schenectady, N. Y.
 LAMBERT K. MONTFORT, '26, works in the Bell Telephone Laboratories, 463 West St., N. Y. C.
 HAROLD S. HARWOOD, '29, is in the general contracting business. His mail goes to 3219 Tenney St., N.W., Washington, D. C.
 IVEY D. CARTER, '29, tells us that Miss Carter (aged 3 months) will be Miss America in 1933. We hope he is right.
 FRANK W. ROSE, JR., '30, receives all callers at 1746 Irving St., NW, Washington, D. C.
 JOHN E. BLANK, '31, can be reached at 1821 N. Chesapeake Rd., Arlington, Va.
 WILSON B. MICHIE, '31, is manager of the Charlottesville Hardware Co. He and the Mrs. live at 340 14th St., University, Va.
 D. STAFFORD KELLY, '31, makes his home at 102 S. Washington St., Alexandria, Va.
 C. M. HAWKINS, '31, lives at 439 Clifford Ave., Alexandria, Va.
 S. LEWIS LINDENBERG, '32, has recently become a married man. He works for the Virginia Bridge Company. His home is at 321 Blumont Ave., Roanoke, Va.

W. W. FURREITER, '32, operates an ammonia plant for the Solvay Process Company in Hopewell, Va. He lives at the Y. M. C. A. in Petersburg, Va.
 ALLAN Q. LATO, '31, gives his address as 3227 13th St., NW, Washington, D. C.
 J. W. BOWLES, '33, can be found at 373 Walnut St., Roanoke, Va. J. W. works for the Chesapeake and Potomac Telephone Co.
 JOSEPH Q. ADAMS, '34, married a lovely young lady not many months ago. He earns their bread as foreman for Becton Dickinson Company, and eats it at 161 Chestnut St., Rutherford, N. J.
 ROBERT H. BOYLAN, '34, married Dorothea Ahl in September. They live at 331 Park Ave., Nutley, N. J., and Bob works in the sales department of the Koppers Cake Co.
 GEORGE A. NEA, '36, can now be found at the Phi Kappa Tau House at William and Mary, Williamsburg, Va.
 M. F. BAILES, '36, is working in the Spruance plant of the DuPont Rayon Company. He lives at 2703 Grove Ave., Richmond, Va.
 GEORGE D. PREYTMAN, '37, is working with Standard Oil of N. J. He can be found at 116 Wilder St., Elizabeth, N. J.
 PAUL W. FITZPATRICK, '37, is working with a civil engineer in Richmond. When he is not behind a transit Paul can be found at 2522 Stuart Ave., Richmond, Va.
 J. G. BROWN, '38, is proprietor of the Hercules Manufacturing Company, Cambria, Va. His mail goes to Christiansburg, Va.

RHO

FREDERICK M. EDWARDS, '32, lives at 47 E. 3rd St., Frederick, Maryland.

SIGMA

RUSSELL G. GLASH, Grand Vice-Regent, '29, was made a very proud pop February 11th upon the arrival of a baby girl.
DON S. WILFORD, '34, informs us that he is at 2400 Elms Place, Middletown, Ohio.

J. EDWARD FINNERAN, JR., '36, wants his mail at 89 S. Dawson Ave., Columbus, Ohio.
ROBERT Y. TRAZIER, '37, writes that all his mail is to go to 213 East Main St., St. Clairsville, Ohio.

TAU

JOHN M. COURSEN, '36, wants it known that he lives at 266 Scott Ave., Wallsville, N. Y.
Last year's Vice-Regent, "BOB" FLAVIN, '37 works for the American Bridge Company in Elmira, if "Bob" Oertel's information is straight.
"BILL" ROBINSON, '37, Scribe last year, is working for a contractor in Auburn, New York, doing estimating and designing, we hear.
Boy, here's the scoop!! Hold tight!!! Last year's Regent "BOB" OERTEL, '37, plans to change Miss Jane Van Woerner's name to Mrs. "Bob" Oertel about next fall, we

think. "Bob" was at the dance "Chuck" Floring missed. He works for the Central New York Power Corporation.
What a break "Chuck" Floring, '37, had. He came from G. E. at Schenectady to Syracuse for the Theta Tau sponsored Engineers' Dance at the Onondaga Hotel. "Chuck" no sooner arrived in the city than that "ole debil appendicitis" hit him, and at this writing "Chuck" reclines in the University Hospital, recovering from his operation. Needless to say, he missed the dance. Better luck next time, "Chuck."

UPSILON

ROLFE ELDRIDGE, '37, works for the South Western Gas & Electric Co., Fort Smith, Arkansas, and wants all his mail to go there.

PHI

RAYMOND R. STOKES, '33, gets his mail at 126 Washington Blvd., Oak Park, Ill.

NICK TROVICH, '37, says his permanent and mailing addresses are the same, 3903 Dunder St., East Chicago, Ill.

CHI

ROBERT E. S. HEINEMAN, '28, wants his mail sent to El Encanto Estates, Tucson, Arizona.
WILLIAM A. STEINBERGEN, '29, is now employed in the Land Economics Department of the Bureau of Agricultural Economics. He is with the Water Utilities Division and is supposed to study water rights and utilities. He will spend a short period in Berkeley, California, and a longer period in

Washington, D. C., to receive instructions for the work.
D. C. (COOKY) MIXTON, '30, is signed up this year as instructor in mining and metallurgy at the University of Arizona. The boys say that he is "quite the Prof."
JOHN L. ANDERSON, '30, purchasing agent for the University of Arizona, was married to Miss Eleanor McCaddon, December 6, 1937.

- The newllyweds are making their home at 814 E. Second St., Tucson, Ariz.
- R. L. (DICKKEY) HOUSTON, '31, has given up his job with the National Park Service at Colossal Cave, Tucson, and is now designing engineer with the Gray Engineer's Office at Tucson.
- R. C. HARRING, '31, receives his mail at Route 3, Box 240, Tucson, Ariz.
- HENRY D. CLARK, JR., '32, is mine superintendent for the Philippine Amalgamated Mines, Baguio, Mt. Province, P. I.
- BILL NORTON, '32, is with the Concrete Engineering Co., 1410 Miraval St., Los Angeles, Calif.
- WALTER A. BROWN, '32, has been serving the West Slope Construction for the past five years. He is employed as engineer for the contractor on the construction of the San Gabriel Dam No. 1, Los Angeles, California.
- ARTHUR DAVIS, '34, is employed as a junior road engineer for the Indian Reclamation Service, White River, Arizona.
- JACK McNARY, '34, became a proud papa on November 8, 1937.
- C. E. RING, '35, is employed by the General Electric Co., and gets his mail at 1888 Hastings St., E. Cleveland, Ohio.
- WILLIAM R. DUNDENKER, '36, hangs his hat 1010 Cedar Ave., Miami, Arizona.
- WILLIAM F. SLOAN, '36, is with the Andes Copper Mining Co., Potosi, Chile, South America.
- BEN L. COVE, '36, is working for Allou-Chalmers constructing a cement plant. His mail goes c/o Juan Minetti y Hijos, Campo Santa, Salta, Argentina.
- TRUMAN HALL, '37, is employed with the Caterpillar Co., Peoria, Ill.
- CLYDE E. HOUSTON, '37, writes that his address is 3rd Floor, Court House, Tucson, Arizona.
- A. H. (HARRY) BUTSMAN, '37, is with the General Electric Co. Harry is getting a lot of varied experience and says that his company is the best in the world to its name.
- TIM CONROY, '37, has a fine job with the General Motors Co., and would be getting along fine if there weren't so much rain. His address is 118 Highland Drive, Seattle, Washington.
- JOHN L. DRACKER, '37, is with the Magna Copper Co., Superior, Ariz.
- JOHN D. HILLER, '37, has left the Tucson office of the U. S. Geological Survey and is now with the Arizona Equitable Rating Office as an engineer. Rumor has it that Johnny is engaged to be married to the young lady he first took out to our big Theta Tau dinner dance last spring. Romance in Chi! No?

PSI

- JOHN J. STEADMAN, '32, was elected president of the newly organized Montana Alumni Club of Theta Tau.
- JOHN BILLY, '32, is now with the Texaco Oil Company at Cut Bank, Montana.
- JOHN D. McAULIFFY, '33, is junior engineer for the Cerro de Pasco Copper Corp., Cerro De Pasco, Peru, South America.
- JOHN CONROY, '33, is now a consulting geologist at Tyrone, N. Mexico.
- EDWARD TRUENWORTHY, '33, is being kept busy building roads for the U. S. F. S. near Missoula, Montana.
- RAYWORTH HOWE, '34, was elected secretary of the Montana Alumni Club. Ray is now with the Christie Transfer Company in Butte.
- CLARENCE WENDIS, '34, was in a serious automobile accident recently near Auburn, California. He was in the hospital for some weeks, but is on the road to recovery. His address is Box 104, Carson City, Nevada.
- MERRILL SPRINGER, '35, is now at the Butte Highlands Mining Company, operating in the Highlands south of Butte.
- CHARLES TRUENWORTHY, '35, is engineering for the PWA in Butte.
- ALFRED A. BLOOM, '35, reports that his mail is to go to Oilmont, Mont.
- DAVID JONES, '35, is with the Dayton Consolidated Mines at Silver City, Nevada.
- FRANK TRASK, '36, is trying his luck in South America. He may be reached at Casilla 272, Lirioyunga, Ecuador.
- ROLLIN WELLS, '36, took the fatal step January 1, 1938. Rollin is a Gas Engineer with the ACM at Anaconda, Mont.
- GLENN C. JOHNSON, '36, wants his visitors and mail to go to Rancagua, Chile, S. A., c/o Braden Copper Co.
- MEL WILLIAMS, '36, may be reached at Casilla 411, Guayaquil, Ecuador, South America.
- ROBERT LAWSON, '37, is now working at the New York office of the Ingersoll-Rand Company.
- SEWARD PRATER, '37, requests that it be made known that his address is 1433 E. 67th Place, Chicago, Ill.
- ALBERT J. RAMBOLD, '37, formerly with the North Lily Mining Co. at Eureka, Utah, is now engineer for the Copper Queen Mining

Company, Tandy, Idaho. He reports it is forty miles from nowhere.

GEORGE A. DAYTON, '37, has left Jardine, Montana, and returned to Ecuador, South

America, where he is with the South American Development Company as mine superintendent. His address is Cañilla 411, Guayaquil, Ecuador, South America.

OMEGA

FRANK BOYAC, '35, is construction superintendent of the Industrial Construction and Engineering Department of the International Harvester Company, and is working in Mankato, Minn.

RALPH M. SHANE, '35, lives in Poplar, Montana.

RALPH ATWATER, '36, and STUART FERGUSON, '37, are still in the Black Hills and are working for the Empire Mining Co.

WILLIAM BURLESON, '37, is doing his part for the mining industry with the American Metal Co. at Terrell, New Mexico.

WILLIAM GREENMILL, '37, is now a computer for the South Dakota State Highway Department in Pierre, South Dakota.

MAX ALLEN, '37, is employed as analyst for the American Rolling Mills at Middletown, Ohio.

FRED DAVIS, '37, has gone native and is now employed by the United States Indian Service at Cheyenne Agency, South Dakota.

ROBERT FLINT, '37, and EARL ROSENOW, '36, are employed by the Carnegie Steel Co.

HOWARD HEALTH, '37, is instrument man for the City of Albuquerque, New Mexico.

WOODROW WHITHEAM, '37, is roadman for the Chicago, Milwaukee, St. Paul, and Pacific Railroad and is located at LaCross, Wisconsin.

JAMES F. BOKK, '37, informs us that his address is 615 Michigan Ave., S. Milwaukee, Wisconsin.

JOHN BISHAM, '37, has scored with the Bethlehem Steel Co. and is doing nicely as Mine Foreman for them at Cornwall, Pa.

GAMMA BETA

Following is a list of Gamma Beta alumni and their addresses:

ROBERT W. MOORE, '27, Betwyn, Maryland.

H. WARREN STEWART, '28, 711 Taylor St., N. W., Washington, D. C.

JAMES A. KELLY, '28, 1011 Main Ave., N. E., Washington, D. C.

R. DONALD KENNEY, '29, 1812 Becker St., N. W., Washington, D. C.

WENTWORTH B. CLAPHAM, '29, c/o Amer. M'ch & Fdry Co., Brooklyn, N. Y.

WM. J. ELLERBERGER, '30, 1319 Parkwood Pl., N. W., Washington, D. C.

FRANK H. BRUNAUER, '31, 152 S. Carolina Ave., S. E., Washington, D. C.

RICHARD G. RADUE, '31, 2087 O Street, N. W., Washington, D. C.

KENNETH L. SHERMAN, '31, 1134 Nebraska Ave., N. W., Washington, D. C.

TERRY McABRAM, '32, 1138 N. Frederick St., Arlington, Va.

G. CHESTER THOM, '32, 3726 Conn. Ave., N. W., Washington, D. C.

JOHN R. BRASIEL, '32, 3812 Garfield St., N. W., Washington, D. C.

FIRMAN F. LYLE, '32, 601A Worth Ave., Squared Hill, Pittsburgh, Pa.

HARRELL P. ROEHR, '32, 1927 G St., N. W., Washington, D. C.

ELLAWORTH J. HAND, '33, 601 Rosburn Pl., N. W., Washington, D. C.

R. F. LEATHERWOOD, '33, 2331 46th St., N. W., Washington, D. C.

H. VALPEAU DARLING, '33, No. 103-1721 Queens Lane, Arlington, Va.

FLOYD D. TRAYN, '33, 2137 G St., N. W., Washington, D. C.

FRANCIS M. HOFFMANN, '33, 2294 46th St., N. W., Washington, D. C.

GILBERT BRIGGS, '33, 1204 W. Ashby Pl., San Antonio, Texas.

WARREN L. LAWTON, '34, 1262 Tallury St., S. E., Washington, D. C.

LEE HUNTERBERGER, '34, 1115 12th St., N. W., Washington, D. C.

JAMES I. JOHNSON, '34, 4894 Chevy Chase Blvd., Chevy Chase, Md.

A. H. HELVESTINE, '35, 440 N. J. Ave., S. E., Washington, D. C.

ALAN M. STADLEY, '35, 730 Quebec Pl., N. W., Washington, D. C.

FRANK E. BAILEY, '35, 1143 P Street, N. W., Washington, D. C.

JOHN S. SHERRY, '36, 401 High St., Fr'ship Hts., Md.

PAGE L. MOXTL, '36, 2700 Q St., N. W., Washington, D. C.

- C. ARMISTEAD MOTZ, '36, c/o Personnel Dept. G. E. Co., Schenectady, N. Y.
- THOMAS A. BRADY, '36, 3333 Queada St., N. W., Washington, D. C.
- RICHIE EDMONSTON, '36, is with the Bethlehem Steel Co., Bethlehem, Pa. He resides at 12 E. Market St., Bethlehem, Pa.
- WALTER F. RINEY, '36, 3134 8th St., N. W., Washington, D. C.
- JOSEPH B. RAGAN, '36, 1702 Miss. Ave., S. E., Washington, D. C.
- JULIA L. PHILLIPS, '36, 41 Van Ruyven St., Jersey City, N. J.
- JACK C. DAVIS, '36, 2019 Eye St., N. W., Washington, D. C.
- HARRY C. CONNOR, '36, 3033 Vista St., N. E., Washington, D. C.
- FREDERICK J. FELLITZ, '37, 10 Matthews Ave., Wilmington, Delaware.
- CARL O. HOFFMAN, '37, 1321 A St., N. W., Washington, D. C.
- EDWARD M. TRIFLE, '37, c/o Personnel Dept. G. E. Co., Schenectady, N. Y.
- FRANZ W. RABET, '37, c/o Carter Oil Co., Seminole, Okla.
- KARL O. VARTIA, '37, 1326 17th St., N. W., Washington, D. C.

To All Life Subscribers

Fill out the form below and send it to THE GEAR. The magazine can be sent only to those alumni or inactive life subscribers whose addresses are in our files.

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A good many directory letters, now being sent out, are returned because of obsolete addresses. If all members of the fraternity will co-operate in securing correct addresses the new directory will be much more complete than it could be otherwise.

This is a small request but if enough alumni have the true Theta Tau spirit, it will be heeded and a complete directory will result.

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