The Gear
of Theta Tau

Grand Regent Glass

SPRING, 1942

Volume XXXI Number 2

The GEAR *of* THETA TAU

SPRING, 1942

VOLUME XXXI NUMBER 2

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

FOUNDERS

Erich J. Schrader — Isaac B. Hanks
W. Murray Lewis — Elwin L. Vinal

EXECUTIVE COUNCIL

Russell G. Glass, Sigma '24 . . . . . *Grand Regent*
23401 Chardon Road, Euclid, Ohio

R. W. Nusser, Zeta '28 . . . . . *Grand Vice-Regent*
1701 Ambassador Building, St. Louis, Mo.

Erich J. Schrader, Alpha '05 . . . . . *Grand Scribe*
Box 244, Reno, Nevada

Prof. Jamison Vawter, Zeta '16 . . . . . *Grand Treasurer*
307 Engineering Hall, University of Illinois, Urbana, Illinois

Prof. Donald D. Curtis, Omicron Hon. '19 . . . *Grand Marshal*
Clemson, South Carolina

Paul L. Mercer, Omicron '21 . . . . . *Grand Inner Guard*
704 Orleans Ave., Keokuk, Iowa

Prof. A. D. Hinckley . . . . . *Grand Outer Guard*
Columbia University, School of Engineering, New York City

DELEGATE AT LARGE

Prof. J. M. Daniels, Nu Hon. '22 . . . . . *Past Grand Regent*
Carnegie Institute of Technology, Pittsburgh, Pa.

ALUMNI ASSOCIATIONS

Central Ohio—R. J. Ebner, 1052 Parkway Drive, Columbus, Ohio
Chicago—J. B. Finch, 25th and Madison Street, Bellwood, Ill.
Cleveland—W. R. Uffelman, 1680 E. 117 St., Cleveland, Ohio
Intermountain—C. Milton Anderson, P. O. Box 403, Salt Lake City, Utah
Kansas City—R. S. Patterson, 4900 Wyoming St., Kansas City, Mo.
National Capital—William J. Ellenberger, 6524 Luzon Ave., N.W., Washington, D. C.
Southwestern—George B. Houston, City of Tucson, Tucson, Arizona.
St. Louis—H. R. Kilpatrick, 216 Elm Ave., Glendale, Mo. (c/o Kirkwood P.O.)
Twin City—Robt. B. Aslesen, 520 Second St. S.E., Minneapolis, Minn.
Louisville Alumni Club—c/o Theta Tau Fraternity, 2022 S. First St., Louisville, Ky.
Los Angeles Alumni Club—William S. Badt, 815 W. 5th St., Los Angeles, Calif.
Northwestern Alumni Club—Rayworth F. Howe, 937 S. Dakota St., Butte, Montana

MEMBERS OF THE PROFESSIONAL INTERFRATERNITY CONFERENCE

ARCHITECTURE, Alpha Rho Chi, Scarab. CHEMISTRY, Alpha Chi Sigma. COMMERCE, Alpha Kappa Psi, Delta Sigma Pi. DENTISTRY, Delta Sigma Delta, Psi Omega, Xi Psi Phi. EDUCATION, Kappa Phi Kappa, Phi Delta Kappa, Phi Epsilon Kappa, Phi Sigma Pi. ENGINEERING, Theta Tau, Sigma Phi Delta. LAW, Gamma Eta Gamma, Delta Theta Phi, Phi Beta Gamma, Sigma Nu Phi, Sigma Delta Kappa. MEDICINE, Alpha Kappa Kappa, Nu Sigma Nu, Phi Beta Pi, Phi Chi, Phi Delta Epsilon, Phi Rho Sigma, Theta Kappa Psi. PHARMACY, Kappa Psi.

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) 1401 College Avenue, 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) 1602 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.

LAMBDA, *Established January 3, 1922* - - - - - University of Utah
Theta Tau Fraternity, Union Bldg., University of Utah, Salt Lake City, Utah

MU, *Established January 3, 1922* - - - - - University of Alabama
P. O. Box 1276, 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) 1721 Jefferson Park Ave., Charlottesville, Virginia

RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.
P. O. Box 5325, State College Station, Raleigh, N. C.

SIGMA, *Established November 29, 1924* - - - - Ohio State University
(Chapter house) 1965 Indianola Ave., Columbus, Ohio

TAU, *Established December 12, 1925* - - - - - - Syracuse University
c/o Prof. E. F. Berry, College of Applied Science, Syracuse, New York

UPSILON, *Established April 7, 1928* - - - - - University of Arkansas
537 Leverett St., Fayetteville, Arkansas

PHI, *Established April 21, 1928* - - - - - - - - - Purdue University
(Chapter house) 416 N. Main St., West Lafayette, Ind.

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

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

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

GAMMA BETA, *Established March 16, 1935* - George Washington University
c/o Dean of School of Engineering, George Washington University,
Washington, D. C.

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

FIFTEENTH BIENNIAL CONVENTION

Back row: Bordon, Johnson, Meyers, Griffiths, Callister, Leskela, Stockmar, Potthoff, Williams, Jorgenson, Paulette, Walker
Third row: Helm, Lichty, Hotze, Stowell, Miller, Crittenden, Barrett, Jordan, Stevenson, Olsen, Boyum, Gamberg
Second row: Busch, Daniels, Curtis, Howe, Nusser, Schrader, Glass, Vawter, Ames, Skovholt, Hopkins, Mercer, Hoerschgen
Front row: Witten, Hanna, Sturkey, Kalv, Thomas, Whitsett

Fifteenth Biennial Convention

St. Louis, Missouri, December 29-31, 1941

As fateful 1941 drew to a close, the delegates to Theta Tau's Fifteenth Convention assembled in St. Louis. Pearl Harbor had leaped into the headlines only three weeks before and people everywhere still wondered why our navy had not found the Japanese fleet and destroyed it. Executive Council and delegates alike realized that war would bring difficulties and problems to the fraternity — might even prevent the assembling of delegates two years hence. An atmosphere of seriousness pervaded the convention's activities.

Headquarters for the 15th Biennial Convention in St. Louis, Missouri, were at the Coronado Hotel located in the 3700 block on Lindell Blvd. Accommodations were most satisfactory, and being out of the business district, there were not too many distractions to interfere with the affairs of the Convention.

On the afternoon of December 28 the Executive Council held its preliminary meeting. The effect of the war was fully discussed and plans were outlined for meeting possible emergencies. Apparent to all was the fact that the fraternity would enter the war period in a strong and healthy condition.

Specific organization of the convention business occupied the Council until evening when examination of the delegates was begun by Grand Marshal Curtis. When the convention opened on December 29 the following delegates and alternates were in attendance.

EXECUTIVE COUNCIL

Russell G. Glass, Sigma '24, Grand Regent
Ralph W. Nasser, Zeta '28, Grand Vice-Regent
E. J. Schrader, Alpha '01, Grand Scribe
Jamison Vawter, Zeta '16, Grand Treasurer
D. D. Curtis, Omicron '19, (Hon.) Grand Marshal
Norman B. Amos, Gamma Beta '19, Grand Inner Guard
Joseph Skovholt, Alpha '31, Grand Outer Guard

CHAPTER DELEGATES

Alpha: Argin N. Johnson, '43
Beta: Lawrence M. Barrett, '42
Gamma: Ted Stockmar, '43
Delta: John R. Thomas, '42
Epsilon: Max D. Crittenden, Jr., '39
Zeta: Franklin Lichty, '43
Theta: William T. Griffiths, Jr., '42
Iota: Robert L. Stowell, '42
Lambda: Rulon A. Callister, '42
Mu: William D. Jordan, '42
Nu: Max L. Williams, Jr., '43
Omicron: James Joergenson, '42
Pi: James P. Borden, Jr., '42
Rho: James M. Sturkey, '42
Sigma: James J. Whitnell, '42
Tau: Irving A. Hotze, '43
Upsilon: Floyd Parker Helms, '42
Phi: Warren G. Miller, '42
Chi: Robert Stevenson, '42
Psi: Willard Leskela, '43
Omega: Edward R. Gamberg, '42
Gamma Beta: George P. Kalv, '42
Delta Beta: Ernest Witten, '43

ALTERNATES

Alpha: Eberhard Hoetschgen, '43
Beta: Fred M. Walker, Jr., '42
Zeta: Charles H. Paulette, '44
Iota: William D. Busch, '42
Nu: William L. Hanna, '42
Omicron: Roman T. Potthoff, '42
Omega: Lawrence C. Olson, '43
Gamma Beta: Samuel B. Myers, '42

ALUMNI ASSOCIATIONS

Capitol City: Norman Amos, Gamma Beta '17
Twin City: Joseph Skovholt, Alpha '31
Chicago: H. H. Hopkins, Beta '08
Cleveland: Russell Glass, Sigma '24
Kansas City: R. W. Nasser, Zeta '28
Intermountain: W. O. Eldredge, Lambda '21, Delegate
E. J. Schrader, Alpha '01, Alternate

Visiting brothers swelled the Convention roll to a total of 67.

Following the formal opening of the Convention, Grand Marshal Curtis gave the report of the Credentials Committee. Delegates from Chi, Theta, Beta, Gamma Beta, and Iota received ratings of *excellent* and those from Epsilon, Mu, Rho, Omicron, Alpha, Psi, Omega, and Gamma were rated *good*. The remaining chapters were given other ratings.

Grand Regent Glass announced committee assignments, taking care to see that each delegate and alternate had work to do. Brother Glass, then proceeded with the Grand Regent's report which, as usual, had many concrete suggestions. Chief among them was the thought that chapters should prepare for the war period by enlarging their enrollments so that losses to the service would not leave them undermanned, by seeing that accounts were not allowed to become delinquent and that a good reserve is built up, and by planning a chapter program for the year's activity. During the biennium the Grand Regent visited 18 chapters and three alumni associations and assisted as well in conducting one of the four regional meetings held in this period. He reported a voluminous correspondence, rivalling that of the Grand Scribe, and stated that there had been more requests to permit chapter enrollments exceeding 40 men than ever before.

Founder Erich Schrader

Founder and Grand Scribe Erich Schrader next presented his report. His records showed a total enrollment of 8143 members, 804 being added during the biennium. He recalled that the increase in the preceding biennium had been 703. The Grand Scribe reported writing 2042 letters in the past two years — many of these being follow-ups necessitated by the neglect of chapter officers to comply with official requests. Brother Schrader visited six chapters and two alumni associations as well as assisting at the regional meetings at Lambda Chapter.

Grand Vice-Regent Nusser reported visits to four chapters, the formation of two alumni clubs, and the preparation of the pledge manual. The latter task resulted in a manuscript embodying ideas gleaned from the manuals of other fraternities, members of the Executive Council and from Theta Tau chapters who responded to a circular letter from Brother Nusser. The proposed manual was turned over to the Publications Committee for its consideration, thereby bringing to a head a matter which has been discussed at several conventions.

Grand Treasurer Vawter next took the floor and convinced the delegates that the fraternity's funds were in capable hands. His report showed little change in the general financial picture, the fraternity being in a sound condition. THE GEAR endowment for alumni subscriptions had again in-

creased. The Grand Treasurer strongly recommended returning to the former method of assessing active dues since experience with the present system has been unsatisfactory. At the conclusion of the formal report, Brother Vawter gave his customary advice to the delegates in regard to expenses. To the amusement of all, he made it crystal clear that the transactions in the "Jug" (hot sandwiches @ $1.25) and the "Coal Hole" (hotel bar) were not to be placed on an expense account.

The Monday afternoon session opened with the Grand Marshal's report. Brother Curtis reviewed the lines of cooperation between his office and the chapters and stressed the fact that these lines would require close attention in the times ahead in order that the membership record of the fraternity be kept accurately. Brother Curtis reported visits to two chapters, one of which was Gamma Beta, host to a regional conference.

Brother Thomas C. Adams, Lambda '22, making a hurried visit to the Convention on his way to Washington, D. C., was introduced and spoke briefly to those assembled regarding his work as Chairman of the Education Committee of the A.S.C.E. He urged all engineering students to complete their education before volunteering for any of the armed services; that the call is for trained technical men in the war industries and that the emphasis is now on where a man can serve his country best.

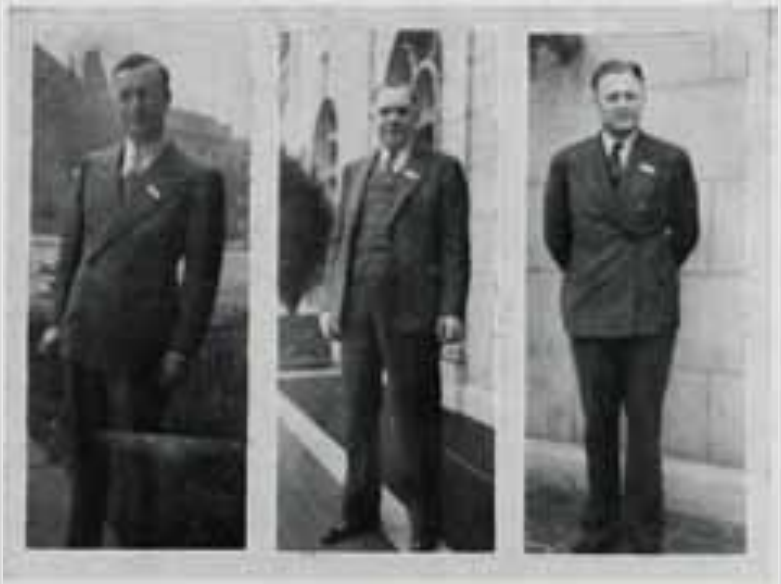
The impressive memorial ceremony honoring our members who passed away during the past biennium was given just before the noon recess.

Grand Inner Guard Ames in a brief report pointed out that during half of his term he was in the U. S. Army Air Corps and, during the other half, had been exceedingly busy. He therefore had little opportunity to do more than judge the chapters competing for the Schrader Award. Not long after he read his report he was notified to return immediately to Washington for active duty.

Top: Curtis, Mercer, Glass, Daniels
Center: Kalv, Daniels, Crittenden, Schrader, Hopkins, Skovholt
Bottom: Helm, Stockmar, Stevenson, Crittenden, Griffiths, Stutkey, Stowell

Grand Inner Guard Skovholt mentioned his part in conducting the regional conference at Omicron and his work with Alpha Chapter and the Twin City Alumni Association. He suggested the desirability of inviting chapter advisers to national conventions.

The report of THE GEAR Editors



Nusser, Vawter, Skovholt

showed that 61 percent of the alumni who were entitled to receive THE GEAR and 100 percent of the actives were actually on the mailing list, the average coverage of those eligible being 71 percent. GEAR costs were lower this biennium than last and within the income received from active dues and THE GEAR endowment fund.

Past Grand Regent Hopkins reported on the Professional Interfraternity Conference, describing its annual meeting held in October.

Chapter reports were next and many good comments were made by the delegates as to successful plans and projects in the home chapters.

Tuesday morning was given over to reports of committees who had worked industriously (among other things) Monday night. Before beginning, Grand Regent Glass reminded all that "previous commitments" should not interfere with attendance at the initiation that evening—absence without leave drawing a penalty of a 25 percent reduction in expense refunds from the national treasury.

The Audit Committee, having examined the accounts of the Grand Treasurer, and of THE GEAR Editors, reported them accurate and in good order.

The Chapter Awards Committee offered several amendments to the scoring system which were adopted. Experience during the last two bienniums offered a guide in revising the contest rules.

The Constitution Committee presented amendments covering the possibility of not having a convention biennially during the war period but after some discussion the convention agreed to handle the matter by resolution. The committee recommended the revocation of the amendment, enacted at the last convention relating to payment of dues following initiation and the recommendation carried.

Upon recommendation of the Insigna Committee the convention ad-

opted an alumni charm which could be worn on a watch chain and would serve as a means of recognition. The charm is not to be worn by undergraduates.

The Songs Committee rounded up a large collection of Theta Tau songs among the delegates and referred them to the Publications Committee for inclusion in the Pledge Manual.

The committee on Regional Meetings presented a proposal from the Grand Regent that Regional Directors be appointed in the districts set up for regional meetings. After hearing the many advantages of such a plan the proposal was adopted.

One of the important things to come from the convention was the decision to publish a pledge manual. The Publications Committee's recommendation that the manuscript prepared by Brother Nusser be checked by Brothers Hopkins and Daniels and sent to press was carried.

Upon a suggestion of Grand Inner Guard Ames, presented to the Convention by Brother Barrett (Beta) it was decided to elect, by secret ballot, the Outstanding Delegate of the Convention. Accordingly the ballot was taken, but results not announced at this time.

A mock meeting contrasting improper and proper conduct of such meetings was put on by several delegates at the close of the afternoon session. Many recognized characteristics of their home chapter meetings and saw the advantages of orderly and business-like conduct.

Tuesday evening 60 men sat down to the Convention banquet with D. L. Moody, Iota '24, acting as toastmaster. All were pleased to have Albert Mangelsdorf, '12, a charter member and first regent of Zeta Chapter at this gathering. Following the meal, Beta Chapter was presented with the Erich J. Schrader award for the best chapter during the biennium. Silver candlesticks were also presented to Iota Chapter, following which the Grand Regent announced that Max Crittenden of Epsilon had been selected by his fellow delegates as the outstanding delegate of the convention. Following the banquet the Executive Council put on an impressive initiation ceremony for Jack Boerres of Iota Chapter.

Crittenden, Lichty, Stowell, Busch, Whitsett

The Wednesday morning session saw final action on the Pledge Manual and the enactment of a resolution extending the powers of the Executive Council until the next convention, should it not be possible to hold it after the regular two-year period.

Delegate at Large, Past Grand Regent Daniels read his report, pointing out that perhaps the most effective procedure for an undergraduate in helping with the war effort is to remain in school and get his degree as quickly as possible. By so doing he can make available to industry another engineer at a time when the number available is entirely inadequate.

The last business of the convention was the nomination and election of the following national officers:

Grand Regent: Russell G. Glass, Sigma, Cleveland, Ohio

Grand Vice-Regent: Ralph W. Nusser, Zeta, St. Louis, Mo.

Grand Scribe: Erich J. Schrader, Alpha, Reno, Nev.

Grand Treasurer: Jamison Vawter, Zeta, Urbana, Ill.

Grand Marshal: Donald D. Curtis, Omicron, Clemson, S. C.

Grand Inner Guard: Paul L. Mercer, Omicron, Keokuk, Iowa

Grand Outer Guard: A. Dexter Hinckley, Theta, New York City

Brother Paul Mercer was duly installed and the delegates turned back the reins to the Executive Council until the next convention.

Impressions of the Convention

University of Arkansas
Fayetteville, Arkansas
February 14, 1942

Dear Brother Howe:

My impressions of the convention were those that I have never before experienced. I never thought that the Fraternity affairs could be transacted in such an orderly manner. Half of the credit should go to the national officers whose genuine interest in Theta Tau made the convention a huge success; the remainder, in my opinion, goes to the delegates and alternates.

During my too brief stay in St. Louis with the Fraternity, I met what I considered to be the finest fellows in the country, representing an excellent cross-section of all the chapters. I have attempted to convey to Upsilon chapter some of my impressions of the convention. If the other delegates have done the same, we have a great Fraternity.

On the other hand, I recall the "Cocoanut Grove" and that place where you fellows made me ride the hobby horses. The latter still makes me feel embarrassed. Remember that black one which told us to turn left and shake the knob on the second door. We never did locate that place, did we? I'll bet no one remembers the "Little White House" which we tried to get in. Or did we?

Again, it was a privilege to be with such a swell lot of fellows. I only hope that I will run into some of you in the near future.

From the standpoint of the Chapter and myself, the convention was sucessful in every detail. We are looking forward to the pledge manual.

Yours in H & T,
PARKER HELMS, Upsilon '42
Delegate from 'Arkansaw'

---

416 N. Chauncey St.
West Lafayette, Indiana
February 12, 1942

Dear Brother Howe:

Sorry, I guess I'm not on the ball. Our (including Hannah, Teskela, Sturkey, Witten, Stevenson, Jorgensen and Potthoff) most degrading experience was our trip to the "Casa Loma" dance hall on Monday night. Boy, we thought this would be great, especially after visiting "Tune Town" on Sunday night and liking it so well. We travelled some great distance, in what

direction I know not, only to find it was closed unless we could produce some sort of a union card. It was not all in vain though for we found the "Circle Bar;" need we say more?

Even with all the fun etc. there was an ever tightening fraternal bond all through the meetings. This to me was the greatest impression left by the convention.

If anyone wishes to learn how to drink Scotch call on Brother Helms of Upsilon, he knows how.

The banquet was the best that I have ever attended and the jokes weren't bad either.

Ernie Witten only lost two pipes while at St. Louis. His slogan should be "a pipe a day" or rather a nickname "Pipe a day Witten." Of course we aren't always leaning over a stool when we pull our pants up, but that is his excuse for losing one of his pipes so I guess we'll have to believe him.

These are my impressions Brother Howe. Arrange them as you will or change them if you will. I just sat down and rambled them off in the order in which they came to me.

Yours in H & T,

WARREN G. MILLER, Phi '42

Lawrence, Kansas
February 23, 1942

Dear Brother Howe:

I am sorry I delayed answering your notice and delaying my bird's-eye view of the 15th Biennial Convention. I know full well what you are undergoing for at this very moment I am trying to get out the March issue of the *Kansas Engineer*. I have but one consolation, your letter was hectographed which shows I am not the only offender.

Now for my impressions of the Convention. I arrived in the middle of the night with my eyes barely open but I could plainly see that the Coronado Hotel was no place for a poverty stricken lad like myself except in the company of an expense account.

When I arrived at the first session, I was barely alive after my frigid trip on the train the preceding evening but soon got into the swing of things. After attending an E.C.M.A. convention at the University of Illinois a few weeks before, I was almost overjoyed at the amount of constructive work that was done by the delegates and national officers.

To those whom it may concern, I succeeded in rounding up many of the fraternity songs and relayed them to Brother Daniels to be included in the pledge manual.

Now on a lighter vein. Seems as though I always got caught in the rush to the "Coal Hole" at the end of the day. And following a luscious dinner in Coffee Shop, the party which included Brothers Helms "Arky" of Upsilon, Griffiths of Theta, Olsen of Omega and numerous others adjourned to the "Cocoanut Grove."

And never will I forget Borden of Pi, and his southern, southern accent.

Thanks to Brother Stowell and Iota Chapter for being most gracious and thoughtful hosts.

To me the most lasting impression of the whole convention was meeting and talking to Brother Erich Schrader. If every member of Theta Tau could meet Brother Schrader he would be inspired and bound to Theta Tau for life as I was. A fraternity could not keep from flourishing with a founder like Brother Schrader and national officers such as we have.

Yours in H & T,

FRANKLIN LICHTY, Zeta Chapter

The minutes of the convention will carry the business transacted and the brothers will cover some of the extraneous details, but none knew of the presence of one "Sandy the Snoop." Never fear brothers, he was not able to pass the stalwart guards at the meetings, but he was ever present at the extra-curricular activities of the brothers. It took two pieces of licorice and an all-day sucker to secure the low-down from him, but he came through with this authentic abstract which I will pass on to the many chapters that they may bring chagrin to their brothers with the tales they told about the convention. Quote Sandy the Snoop: "The boys were really well-behaved and I noticed very little hilariousness. In fact, I was a trifle disappointed that the Devil and I couldn't stir up more.

Sunday night, the fellows didn't stir a bit. Too tired I guess. I heard a lot of talk about credentials and examinations and saw a lot of fellows chewing their finger nails. Some of the boys did slip down to Tune Town to dance with some of the St. Louis Belles.

I met them after the meeting in the Crystal Room on Monday afternoon and they looked as though they had been given the works. All night long they met with one committee and then another. Every time I'd try to snatch one of the fellows to go out for a short one—here'd come the Big-Shot Glass with more work to do. I did manage to talk Johnson, Hoerschgen and Boyum, Alpha, Stevenson, Chi, and Busch, Iota, into a trip to the Zodiac and the Barrel.

Tuesday was memorable indeed. About ten of the fellows met a beautiful group of women and the two best looking brothers captured dates for the evening. Crittenden, Epsilon, was a leader of a hoax chapter meeting in the afternoon. Later he was honored at the banquet by being selected the most active delegate at the convention. The banquet was quite lively due to a flow of scotch and sodas that afternoon. Griffiths, Theta, was preferential to martinis. Crittenden was satisfied with egg-nog. Imagine seeing our Editor at the Jug also. He was priming for a column of jokes he had ready for the banquet. I fixed that by having the toastmaster introduce him and setting him right down. Brother Hopkins came forward with some jokes of the first order.

Wednesday, I followed fourteen of the boys out to the Annheuser-Busch brewery. They hastened over the production and bottling end and settled down to enjoy the distributing end. That evening I found Borden, Pi, and Stockmar, Gamma, at a New Year's Eve party. Borden had a cute date, 'cause those gals go for southern accents, and he had one.

So much for everything. I'm sorry I couldn't find more, but really, they were hard working boys."

R. Stowell
Regent, Iota Chapter

February 23, 1942

Dear Brother Howe:

The convention was everything that a Theta Tau convention should be. I was very much pleased to find the similarity in good-fellowship throughout the fraternity. All the delegates and alternates certainly were a nice bunch of fellows, and I enjoyed meeting them and talking to them during our three days together. Too much can't be said for our executive council; they not only handled the details and

arrangement without a hitch, but proved themselves to be "good Joes."

Prior to this convention I thought that no where could there be such finesse in the modern art of "wolfing" as there is at Michigan Tech, but gladly do I relinquish any such claims to Colorado School of Mines' Gamma Chapter and in particular one Ted Stockmar—how that man did move in on that little luncheon gathering!

Then again there is the little matter of the "terrific" fire that occurred during our stay. Our good Brother Walker, of course, lost his head and ran like mad through the elaborate halls of the Coronado looking for beautiful damsels to rescue (any damsel would have done); however, the five alarm fire turned out to be somewhat of a false alarm in the building next door—Oh well!

All in all the convention was very much a success and I hope that the fraternity will be better because of it. We have carried back ideas derived at the convention to our chapter and I know we shall benefit by them.

I sincerely wish that every member of Theta Tau could at some time or other attend one of our Biennial Conventions, for it certainly makes one realize what a fine organization we have. I know that I shall never forget the 15th Biennial.

Yours in H & T,
LAWRENCE M. BARRETT, Beta '42

Carnegie Tech
Pittsburgh, Pa.
January 31, 1942

Dear Brothers:

I hope you all staggered home safely and in good condition.

We have had our first gathering and as a result of the convention, and especially due to the mock meeting procedure put on by Crittenden et al, we have sincerely decided to improve our meetings and carry out some of the ideas suggested. By the next one we hope to have all the necessary committees appointed and functioning.

A bunch of roses to Brother Helms of Upsilon for his contribution to hilarity. The boys have forgotten their staid selves and actually broke down in tears over "Hiram Johnson's Congressional Oration."

Believing that girls are not the only things best "short and sweet," I shall close this epistle by wishing you the best of luck, etc., etc.

In H & T,
MAX L. WILLIAMS, JR.
Nu Chapter

P.S. Prof. Daniels would be glad to receive any additional suggestions to be incorporated into the proposed Pledge Manual. Simply send them care of C. I. T.

---

148 Worden Avenue
Syracuse, New York
January 9, 1942

Fraternal Greetings:

Sorry that this letter comes to you late. As it happens, I had it written, except for minor corrections, but failed to get it off.

The past 15th Biennial Convention in St. Louis was my first convention as a member of Theta Tau. I had heard great reports about the regional conventions from my Brothers at Tau chapter, and therefore expected the national to be great. Certainly my expectations were fulfilled. The convention was complete in every detail from the accommodations right down through the business sessions and banquet. Brother Ralph Nusser deserves

a vote of thanks for his outstanding work in making all necessary arrangements for our convenience. It was a great pleasure to meet the members of the Executive Council, the past grand officers, and the delegates and alternates from the various chapters. The Executive Council certainly deserved reelection—those who were able to accept—and along with the past grand officers, should receive praise from every member of Theta Tau for their undying interest in the fraternity.

Among the delegates and alternates, I made friends who I shall not soon forget. Not only were they good representatives, but also good "rounders." Enough said. Brother Crittenden undoubtedly was the outstanding delegate, but I do not think that we can overlook the fine work of Brother Stowell of Iota, in helping Brother Nusser with the arrangements for the convention. I hope that I have conveyed to Tau chapter, or will be able to convey in the future, the fine fraternal feeling, the information and ideas that I received by going to St. Louis.

Yours in H & T,

IRVING A. HOTZE, Tau '43

---

13 North Oklahoma
Butte, Montana
January 9, 1942

Dear Brother Howe:

This is my attempt at providing you with my views on the convention.

Stepping into a maze of thousands of people in the big city cast a shadow of doubt in my mind, a feeling of being in the wrong place, but upon my arrival at the hotel and making my first acquaintances I felt entirely at ease, a feeling of being at home and knowing that I had been received with kindness and hospitality. To meet such a fine group of men, to know them as my brothers, to work beside them, and to share the greater meanings of Theta Tau, all have left me proud to be a brother in this fraternity.

Needless to say, a true fraternal spirit was evident throughout the convention, and as a result it was completely bound in fraternal fellowship greater than any of its kind. This essential factor plays a vital role in keeping a common interest in Theta Tau at heart, and believe me when I say that it impressed me more than words can express.

I wish to commend the Executive Council for their untiring efforts in giving advice and in officiating at the conventinn in such a thorough manner. Brother Schrader's part in the initiation created an everlasting impression in my mind as being straight from the heart, and you all will agree that he is a prince of a fellow.

This convention proved to be a momentous occasion in my life and I will always remember it as such. Furthermore, I look forward to renewing my friendships with many of you, someday, somewhere.

Yours in H & T,

WILLARD LESKELA, Psi '43

2417 Haste Street
Berkeley, California
February 19, 1942

Dear Brother Howe:

A Theta Tau Convention is a thing of which merely the shell can be described in words. The real heart, as indeed of Theta Tau itself, is something that has to be experienced. A part is meeting and living with swell fellows from all over the country, a part is sharing in the guidance of the fraternity with the members of the

Executive Council, and a still greater part is getting to know these men who are not just our national officers, but guiding spirits of Theta Tau. All this combines in three short days into so concentrated a feeling of unity and enthusiasm, that there is no doubt that this is the real thing and that it should be shared by more of the brothers, and should be carried to each chapter.

Now I am still worried about one brother whom we left in St. Louis about 9 A.M. New Year's Day. The last I remember he was asleep on the floor in 708 hoping he would wake up before train time. Also, I seemed to sense all the time we were looking at the stuff in that brewery that the engineering was just a side issue, or else just to work up a thirst. Anyway, thanks again Brother Nusser and our hosts of Iota for hospitality unexcelled.

On the way home I stopped off with a brother in Santa Fe, New Mexico, to do some skiing. What snow, what weather, WHAT A COUNTRY! A few days later spent a day mushing around the south rim of the Grand Canyon kodachroming with Brother Anderson, Epsilon's advisor who was returning from G. S. A. meetings in Boston. All in all this was a trip that will not be soon forgotten.

California is a long way from St. Louis and in fact from the center of many of Theta Tau's activities, yet through such contacts as this convention and others to come, Epsilon can keep in touch with the vital spirit that is Theta Tau.

Yours in H & T,

MAX D. CRITTENDEN., JR.
Epsilon '39

P.S. Remember—Singapore is on the other side of the Pacific. They haven't got us yet.

January 28, 1942

Dear Brother Howe:

The 15th Biennial Convention was, in my opinion, an enormous success in every way. Brother Nusser deserves highest praise for his very complete and efficient management of the whole affair. I think he even had that hotel-workers' strike postponed a couple of days for our convenience. (By the way, I heard it rumored that said strike resulted from Ted Stockmar's leaving a phony Colorado tax token for a tip in the Coffee Grill.)

Brother Glass certainly did an A-1 job of handling the serious business of the convention. (These Theta Tau brothers seem plenty capable of handling their own monkey business, from the way some of them covered the St. Louis night spots.) Rumor has it that almost the entire Executive Council was seen drinking water in the Coal Hole—for chasers. Anyway, the Executive Council apparently had a great craving for water every morning when we would all wander down to meeting about the crack of noon. Maybe they just *like* water. I don't know.

Seriously, though, the meetings were well conducted, and much important business was carried out during each session. Delegates and alternates worked very efficiently under the skillful guidance of the older members. Outstanding among the delegates were Max Crittenden, Epsilon, and Bob Stowell, Iota, who was Regent of the host chapter. Never have I had the opportunity of meeting a finer group of men than were assembled at the convention. They were all men you would be proud to have as friends and brothers.

Personally, I gained a great deal from attending the convention (and I don't mean that I sneaked an over-

coat in on my expense account). It has increased my already high respect for and interest in Theta Tau. It has emphasized in my mind the desirability of working hard in striving to be truly qualified to wear our badge, for the rewards are great. I am extremely grateful for the opportunity that was given me.

Yours in H & T,

ROBERT STEVENSON
Chi Chapter

11116 Magnolia Drive
Cleveland, Ohio
February 13, 1942

Dear Brother Howe:

Your letter of the 11th arrived today and I am indeed sorry that I haven't written to you sooner. First, I want to thank you for helping so much in getting Brother Nusser's draft of the Pledge Manual accepted by the convention.

Personally, I consider that the most important work of the convention, and I sincerely hope that its success will be as large as the reception it received at the convention. It justly deserves any praise which might be heaped upon it, and Ralph Nusser should get due credit in the book itself for the fine work.

From my personal standpoint, the convention was an entire success. Isolated in Cleveland, away from the greater number of the chapters, we do not have the opportunity of meeting many alumni. It was truly a great experience for me to meet all of them.

We of Delta had often been told of Erich Schrader and his work by Grand Regent Glass, but to meet him, to observe his keen interest, and to watch him in action was truly an experience in itself. His part in the initiation left an impression in my mind which will not be forgotten.

There's much about the delegates to remember: the avid interest of Max Crittenden; the preparations of Bob Stowell; Max Williams always worrying about Aeronautics; "Arkansaw" Helms trying to ride the hobby horse in the local nitery; George Kalv always worrying; and last but not least that beautiful "skunk" coat of Ted Stockmar's.

I hope I have answered your questions. I was deeply impressed with the entire proceedings, and I only hope that I have been able to impart to my chapter some of these impressions.

Yours in H & T,

JOHN R. THOMAN, Delta '42

---

606 Lyons Avenue
Charlottesville, Virginia
March 4, 1942

Dear Brother Mercer:

The main thing that impressed me at the Biennial Convention, was the congeniality of the whole group. I didn't know what things would be like when I arrived in St. Louis for I really felt lost, but when I started meeting some of the brothers, it was like meeting some of my relatives that I had never known.

Next, it was the helpful attitude of the Executive Council. We are fortunate to have such a fine group of gentlemen leading us.

Third, the way the convention was carried out. Brother Nusser and the whole Executive Council should be congratulated.

The convention reminded me of a story I heard not long ago. While reading the paper, a man was being constantly annoyed by his young son, so the father tore a map of the world

into small pieces and told his boy to put them together. To the father's amazement, the son had the parts together perfectly in several minutes so the father asked how it was done. The boy said, "There was a man's picture on the back. I put him together and had the world." The Convention convinced me that this is actually what Theta Tau is doing. It is putting the men together so that they will understand the world.

Yours in H & T,
JAMES P. BORDEN, JR., Pi '43

---

107 Kansas City Street
Rapid City, S. D.
March 6, 1942

Brother Olsen and I spent one of the most enjoyable weeks of our lives when we attended the convention at St. Louis. We had a lot of time to discuss the convention on the long, cold, snowy ride back home. The most outstanding comment was "Why those fellows are just like the fellows at our own chapter." This statement perhaps covers one of the most striking of Theta Tau characteristics. Every man at the convention seemed like an old friend in a surprisingly short time.

Of all of the outside interests, after convention hours (or should I say before?) the "Petty" girl in the burlesque was Olsen's favorite. After we got back to Rapid, he gave the fellows the whole show, omitting only some of the tease. Of course, the tour of the night spots will long be remembered. Still can't figure out how the fellow they called "Elmer" could walk at forty-five degrees with the sidewalk, or how some of the boys got so well acquainted with Marcella at the Cocoanut Grove. By the way, anytime any one wants lessons on riding a horse, just ask "Arkansaw" for a demonstration such as he gave at the Circle Bar.

Our trip down to the convention (we went by car) was rather uneventful, but the trip back was far different. One morning we made the amazing distance of twenty-two miles in four hours (and we had twelve hours of sleep the night before) following a rotary snow plow. Neither of us had ever seen that much snow at one time before; and still we didn't get stuck until we reached Sioux Falls and then there was only six inches of snow and the road was familiar from high school days.

We, personally, gained much from the convention and have tried to pass our gains on to our chapter; and we hope that we will be able to attend more conventions, both regional and national. On behalf of all of the members of Omega Chapter, we wish to extend thanks to the Executive Council for their efforts in making the convention a success and also for the success of the past biennium.

Yours in H & T,
ED GAMBERG, Omega '42

Dear Editor:

I am submitting my letter to THE GEAR about the St. Louis trip.

No one can realize how large Theta Tau is until he has seen each chapter represented and gathered in one group. This group was there to do business and the sincerity of the representatives impressed me very much.

We, from our chapter, wanted to find out as much as we could about Theta Tau and therefore tried to get as many men to go as possible. Three of us went.

We left from Minneapolis in a power

job, 1937 V-8, in some fairly cold weather. The wind seemed to blow through the car about 60 m.p.h. although we could only go about 50 m.p.h. We traveled to Iowa City the first day, but found the city rather dull. *(Sorry you boys didn't know where to look.*—Editor). After having a poor night's sleep, continued our journey to St. Louis. I had good intentions of getting into a sunny climate but as it was, the air was colder than in Minneapolis.

The meetings were highly inspirational and instructive. The high place that Theta Tau enjoys in the list of professional fraternities is more easily appreciated after attending its national convention and meetings its grand officers who are aptly named.

To return to Monday evening. That was one night for us to remember because we met the boys as they are normally. One statement still stands out in our minds, which was when some courteous St. Louis policemen stopped us for being too much on the wrong side of the street at an intersection and gave us a duty bawling out. Stevenson replied, "Oh! but we're from a convention."

I have always wanted to meet Erich Schrader and got my wish at the convention. He certainly lived up to all of my expectations. It was a pleasure to meet the rest of the officers also, especially Ralph Nusser with whom I had a conversation until 2 o'clock in the morning.

With our memories we left St. Louis and without any dinner on account of the strike.

We bought 3 gallons of some nice heavy oil for our power job at 79 cents per gallon. Indeed our cash was getting low. Now for the rest of the trip home. We had a slight accident in Mt. Stirling, Illinois, which was not our fault but try and talk a small town cop against his own kin. We drove all New Year's eve and hit only a small portion of the big snow storm which later hit Iowa.

We will never forget the convention, and will try to impress on the rest of our brothers the true meaning of "fraternal friendship" which we have acquired.

Yours in H & T,
AGRAN JOHNSON, Alpha '43
BUD HOERSCHGEN, Alpha '43

Theta Tau Fraternity
Mu Chapter
P. O. Box 1276
University, Ala.

How could anyone who attended the Fifteenth Biennial Convention forget —"Arkansaw" Helms' ride on the hobby horse at the Cocoanut Grove—Whitsett and Sigma's eternal struggle to keep the kitchen "out of the hole" —Lambda's Callister who brought his wife along—Thoman and Delta's lectures on "Marriage and Divorce"—Leskela from Psi and his amazing capacity for martinis—Witten and Delta Beta's house parties for each sorority —the beam of Barrett's eyes when he accepted the Erich J. Schrader award for Beta Chapter—Borden's plaque of congratulations to Iota from Pi—the eternal frown on Sturkey's face when he wanted to go to one night club and everyone else wanted to go to another —Epsilon's Crittenden and his ability to get things done — Stowell's and Iota's hospitality — Brother Nusser's infinite detail of preparations for the entire convention—Brother Schrader's memory of the entire ritual (word for word!)—Brother Vawter's close hold on the purse strings ("You may eat

in the Jug if you want to, but it won't be counted on your expense account") —two to one Brother Vawter was a drink-mixer before he became a professor—Brother Ames' hope that engineers will prove helpful in the present emergency—Brother Curtis' appeals to send the pledge forms in on time—last but certainly not least, Brother Glass and his amazing ability as a Grand Regent.

The business meetings of the Convention certainly were well planned and executed. An unbelievable amount of work was done in a remarkably short period of time.

The banquet, too, was really enjoyed by all. We never could tell, though, whether Brother Howe was passing out or taking up the tickets. He made several trips around taking them up and passing them out, alternately. (We think this is a case of mistaken identity.—Editor)

All in all, I think that a Theta Tau Convention is one of the pleasantest occasions in which anyone could ever hope to have a part.

BILL JORDAN, Mu

March 17, 1942

Dear Brother Howe:

I enjoyed very much the opportunity of being a delegate to the 15th Biennial Convention. While at the convention I was very much impressed by the friendliness and co-operation there. These get-togethers of Theta Taus should do much to bring about better understanding between the chapters.

The most humorous incident that happened when I was around was when William Hannah, alternate of Nu Chapter, lead several of the Theta Tau explorers on a wild chase. Bill said he knew of a good place to dance; so thinking he knew what he was talking about, we put our trust in him. After getting on a street car and riding for what seemed long enough to ride clear across St. Louis we arrived at the Casaloma Dance Hall. Up the stairs we ran only to be confronted by a bouncer who asked us for our passes. They were having a Policeman's Ball. About that time we put the "Red One" on Bill. The evening ended better than it started for we wound up in the Circle Bar, which turned out to be one of the Theta Taus' favorite haunts. Ask Roman Potthoff; he'll tell you more about the Circle Bar.

Omicron Chapter commends Iota Chapter and Grand Officers on the splendid way they carried on the convention.

Yours in H & T,
JAMES JORGENSON, Omicron '42

Off the Record

A number of things always happen at Theta Tau conventions which may or may not promote fraternity business but which are interesting in themselves. Since the Editors were forced to succumb to three or four hours of sleep nightly, they were not able to keep up with the delegates and consequently missed out on a good many things which would undoubtedly make good reading.

For instance there are recurrent rumors concerning the inability of Brother Helms, Upsilon, to ride a horse. The circumstances seem a bit vague to us because we were apparently peacefully sleeping—perhaps they

were also vague to the eye witnesses. But this incident shows the handicap under which your middle aged editors must operate when covering the nocturnal activities of the delegates who, except around 8 a.m., always seem to be in the bloom of youth.

Only good reports came from "Tunetown," a dance spot which the delegates found in a matter of minutes after reaching St. Louis. Conveniently located with respect to the hotel, it afforded the boys a chance to work out train stiffness in the company of some fair local belles.

There was also the Circle Bar, another spot located some distance from the hotel. There the delegates saw a fairly good floor show and had an opportunity to do solo bits when the community singing was in progress. Everything at the Circle Bar was under control so nothing very exciting happened.

The Chinese Dragon sounded exciting but didn't get much of a play by the delegates. Word got around that the girls pictured out in front were not those who appeared inside.

Personalities began to emerge at the convention as the delegates read their chapter reports. Several remarks brought smiles to the faces of all. There was Stockmar's reference to Gamma's "Flunk and Forget Dance" — Thoman's admission that Delta Chapter puts on talks on marriage and divorce—Lichty's reference to a brother's "Rube Goldberg automatic waker upper" at Zeta — Jordan's statement that the "Little All American" football player claimed by Gamma was surpassed by Mu's "Big All American," Holt Rast of the Crimson Tide—Whitsett's revelation that "tightened supervision" of the cook reduced the table loss from $250 to $11 per quarter at Sigma—Helm's report that Upsilon has to hold two Christmas parties, one with and the other without dates—Miller's reference to Phi's new "bum room"—Stephenson's wish that the strength of Chi Chapter not be judged by the length of his report—Gamberg's modest admission that Omega had officers in every organization on the campus but Triangle fraternity.

We never did learn just what kind of activity prevailed at Cocoanut Grove but suspected that several slips of the tongue which showed up on the convention floor might have had their origin in the Grove. There was reference, for example, to the National *Objections* (objectives) Committee and a motion to "leave it to the *discrepancy* of the Executive Committee."

Grand Treasurer Vautier observed that when a man adds his expense account in a hurry he always adds in his own favor.

Grand Inner Guard Ames said something when he remarked that the jaw and abdominal muscles were the two strongest and most important muscles in the body and should be used by all American men today.

The delegates were astonished to find their dining room closed on the last morning of the convention. Many just thought they had overslept and decided that they could wait until noon. It developed, however, that the waiters' union was in disagreement with the hotel (or some other union) and had called a strike. The hotel marshalled some loyal employees to set up a temporary dining room where bacon and eggs were soon coming up in record time. We were again reminded of the sharp contrast between many members of the labor unions and the $21 per month men on Batan Peninsula.

The penchant of fraternity men for pendants must be great. After years of effort, the Committee on Jewelry and Insignia finally triumphed over Grand Treasurer Vawter and his cohorts in persuading the Fraternity to adopt a standard charm or key. The triumph was tempered a bit by the restrictive adjective "alumni," or "alumnus" as corrected by Brother Ames, but still it must be considered as a distinct victory for this long suffering committee. It appears that Brother Vawter is slipping, for his principal speech on the subject, though he admitted he wished to make no extended opposition to the motion, covers slightly less than three pages of the Official Minutes.

The versatality which Brother Crittenden displayed in presiding over widely different types of fraternity business meetings unquestionably was a determining factor in his election to the honor of "Outstanding Delegate to the Convention." However, it was his poise and his oratory, shall we say, in accepting the honor which added definite proof that his brothers had chosen wisely. We still feel a glow of pride in the responses made at the banquet by Delegates Crittenden, Barrett and Stowell.

At least one chapter is definitely out for the next Erich J. Schrader Award. Why else would the Colorado boys be so insistent that the plaque be prominent enough to look well against a background like Pikes Peak? With dimensions of twenty-four by fifty inches, we venture the opinion that the plaque will not be lost even if Epsilon Chapter carries it back for use with the Golden Gate as a back drop.

What national officer scored a direct hit on a balloon on the ceiling of a St. Louis restaurant, using a bent pin and a rubber band?

An innovation this time was Brother Callister's importation of a charming wife. Not before, in our contact with conventions, has a delegate arrived in a completely married condition. No one questioned the Lambda delegate's action, however, for reasons which the accompanying photograph will make clear.

Callister and family Starkey, Leskela, Thoman, Jordan Barrett

Chapter reports brought out many an interesting sidelight on campus affairs. The socially minded Delta Beta boys chose a good way to look over the field by giving a separate party for each sorority at Louisville. Certainly fair in more ways than one.

A new (to us) racket at the hotel was the appearance at 2 a.m. of a dapper and very courteous young man at the door of our room with the information that he had the pint we had ordered but that his presence was very much outside the pale of the law and we must all speak softly. He was extremely puzzled to learn that the occupants of room 536 had not placed an order and ruefully admitted that he would have to return to headquarters to await a phone call from the thirsty party. To give the story an authentic touch he left the floor by way of the fire escape presumably to avoid possible encounter with the house detective. At breakfast we learned that there had been other "mistakes" at other doors during the night. The elaborate build-up undoubtedly had an inflationary influence upon the regular price of the commodity.

Excitement ran high in the Coffee Shop the day a local sorority was discovered calmly having lunch when the delegates came in to eat. Needless to say the menu took second place with the boys and finally two of the brothers moved in on the girls to start the ball rolling. As we watched the proceedings there was never any doubt that contact would be made—it was merely a matter of how long it would take!

One of the last remarks we heard as we checked out of the Coronado was, "I'd like to have about a week more"—to which all delegates would undoubtedly agree.

NOTICE TO ALL CHAPTERS

THE GEAR is sent to all alumni initiated since 1930 whose addresses are sent to THE GEAR and whose accounts with their chapters are clear at the time of graduation. It is, therefore, necessary that the chapter treasurer provide THE GEAR office with a list of all graduating members who have satisfied their obligations to the chapter.

Seniors are also reminded that THE GEAR will be mailed to them next year if they will tell us where to mail it. In the case of those going into military service, a home address should be given and the parents reminded that THE GEAR must be remailed, since it is not forwardable.

Washington's Housing Situation

by William J. Ellenberger, Gamma Beta '30

When George Washington with the aid of L'Enfant, the city planner, laid out the Federal City as the Headquarters for our government it was on a grand plan with wide avenues, spacious parks and magnificent distances between the Capitol, the President's House, and the few buildings anticipated by the most sanguine as being necessary to house the offices for our government. At the turn of this century our nation had completed its physical expansion, but as a result of the changing concept of the function of the Federal Government, new departments and agencies had come into existence. These were housed in part in permanent office buildings located in keeping with the L'Enfant plan.

World War I caused a disarrangement of the plan to the extent that temporary office buildings were built in the Mall and in the areas west of 17th St., N.W. along Constitution and Virginia Avenues. These buildings, for the most part, wood frame structures, have with few exceptions been razed. Temporary Building No. 2, Building "E", and the Navy and Munitions Buildings are still in use.

Under the administration of President Hoover the construction of the permanent buildings in the Federal Triangle bounded by Constitution Ave., Pennsylvania Ave. and 15th St., N.W. was inaugurated. This construction, as well as other work of a similar nature, was carried on during the depression through the Public Works Administration.

The ever-widening scope of government activity associated with the political philosophy of the "New Deal" dictated a further building program which culminated in the extension of the Southwest Rectangle to include the Social Security Building, Railroad Retirement Board Building, and General Federal Office Building No. 1.

Before the growth of government office space attendant to the present national defense effort is described, reference should be made to the organization operating the vast aggregation of buildings in Washington, D. C. Under the Federal Works Agency, Public Buildings Administration as now constituted, building operation is carried out by the Office of the Buildings Manager. Generally speaking the only Federal buildings not under the supervision of the Building Manager are the Legislative Group, under the Architect of the Capitol, and buildings on military or naval reservations.

The Buildings Manager has as his chief operating assistants "Group Superintendents" each supervising a group of buildings. Reporting to each "Group Superintendent" are the several foremen heading such groups as carpenters, painters, electricians, plumbers, steam fitters, general labor and char force, while the Captain of the Guard heads the guard force. The Buildings Manager also has a staff of engineers who prepare plans and specifications for building alterations, make safety inspections, and carry on similar activities.

Utility requirements of Federally owned or operated buildings in Washington are almost universally purchased with the exception of steam

heat and water. In planning the Federal Triangle it was decided to construct a central heating plant and steam distribution system to serve these and other government buildings. A West Central Heating Plant is now under construction to relieve part of the heavy load on the existing plant.

Water is distributed to all Federal Buildings by the District of Columbia without charge—the functions of bulk supply and filtration being carried out by the U. S. Engineer Office.

The electrical requirements of the buildings are purchased from the Potomac Electric Power Company. The commercial wholesale rate is in effect for large high tension customers supplied by two to four 13.2 kv feeders in which case the government owns and maintains its transformers, switchgear, and other protective equipment within the buildings. Smaller buildings are supplied by a single service connection from the company's distribution mains in the street and the commercial retail rate applies for this service delivered to the customer at utilization voltage, usually 120/208 volts, three phase, 60 cycle, four wire. Maximum demands (30 minute period) for government buildings vary from several hundred to over 10,000 kw, the highest demands occurring during the air conditioning season.

The Public Buildings Administration has standardized the electrical design of these buildings to the extent that the low voltage network, fed by network transformers located in the attic or the basement depending on the size and architectural treatment of the building, is the source from which all panel feeders originate. From the panels are run the circuits to supply lighting, appliances, cafeteria cooking equipment, and mechanical equipment such as fans, pumps, elevators, etc. In buildings having unusually large air conditioning machinery where economics dictates a higher motor voltage than 208 volts, 13.2/2.3kv transformers are installed to supply 2300 volts, three phase, 60 cycle, three wire power service for air conditioning compressors and their larger auxiliaries.

Gas is used to a limited extent in some government cafeterias and for laboratory and special purposes but the very low incremental cost of electricity (about $.005 per kwhr) has resulted in most cafeterias being "all electric."

Since it first became evident that whether we participated in World War II or not, we would be very close to it, defense activities have been growing at an unprecedented rate. The newspaper stories of crowded living conditions are not exaggerated and government requirements for additional offices have exhausted available space even after converting a number of leased apartment buildings into offices, thus aggravating the situation with respect to living quarters. Two remedies are now in progress: one, the transfer to other cities of certain government offices not intimately associated with national defense, and the other, a program of construction of temporary office buildings. Temporary buildings No. 2 and "E", already mentioned as veterans of World War I, have been rehabilitated. The Navy Building has been enlarged by the addition of a wing, construction of a fourth floor, and filling in space between several wings. In the rear of the Navy and Munitions Buildings on what was formerly automobile parking space there have been erected temporary buildings "N" and "W," while south of these across the Lincoln

LOCATION OF CHAPTER
OFFICE BUILDINGS
RIVER

Memorial Reflecting Pool are "I," "J," "K," and "L." In the West Potomac Park area are also buildings "M" and "Q." Just west of the first unit of the permanent War Department Office Building located at 21st St. and Virginia Ave., N.W. (this building was intended to replace the Munitions Building) on land reserved for future additions to this building are "F," "G," and "H." Work on "T-3," "T-4," and "T-5" to be located on the Washington Monument Grounds has just started. Across broad Constitution Ave. from the Interstate Commerce Commission and Department of Labor stand buildings "T" and "U."

Near the Social Security and Railroad Retirement Board Buildings, in the area bounded by 3rd St., 4th St., Independence Ave. and "D" St., S.W. (which these agencies never had a chance to occupy), a group known as "D," "E" (the veteran), "R," "S," and a cafeteria and shop building are located. The cafeteria will relieve crowding of present facilities and the shop will be the headquarters of the Public Buildings Administration maintenance staff in this area. Buildings "A," "B," and "C" located in southwest Washington next to the Army War College and "X" and "Y" located just across East Capitol Streets from the new District of Columbia National Guard Armory, although decentralized, are of the standard temporary construction. Not long ago the government acquired the site for the proposed permanent home for the General Accounting Office which agency has long since outgrown its original quarters in the Old Pension Office Building. The plans for the new building were shelved "for the duration" and consideration was given to building two temporary office buildings on the site; however, the ultimate decision was reached to build the first three floors of the General Accounting Office Building omitting all "frills" so as to keep costs to a minimum and avoid unnecessary use of critical materials. Last, but perhaps best known, is the controversial "V" Building under construction in the park north of the Commerce Building. This project evoked a storm on Capitol Hill when Congress learned it is intended to be a sort of super-information center.

Having exhausted most of the sites within the city the Public Buildings Administration has gone afield to the Washington National Airport for a site for "T-7," and to the National Institute of Health, Bethesda, Maryland, for "T-6." This building when completed will house the administrative staff of the Public Health Service who were forced out of their permanent building to make room for the United Nations' new G.H.Q.

Architecturally, the temporary buildings are all similar, two stories high, consisting of wings connected at one end to a head house; the number of wings and consequently the floor area is limited by the site, consideration being given to access roads, automobile parking space, etc. The wings are three bays wide (approximately 15 feet per bay) and are seldom partitioned into individual offices except near the head end because this results in the loss of natural light in the center bay or corridor. Customarily there are two file or storage rooms on each floor at the end of the wings, next to the head house. Inside-type fire exit stairways are located at the end of each wing away from the head house and at intervals in the head house. The head house is subdivided into office space next to the exposed side of the

building, corridors on each floor running the full length of the building, and stair wells, wash rooms, slop sink closets, etc. on the side toward the wings.

Structurally the buildings are built, without extensive excavations for foundations, on concrete piers and concrete foundation walls so that the first floor is approximately four feet above the ground. The superstructure is entirely of frame construction (excepting the exit stairways) with timber columns and beams. The exterior walls of the building are sheated in "transite" or similar fireproof and verminproof material. Flat composition roofs (tar and gravel over roofing felt) are universal. Factory type steel sash windows used in the first of the temporary buildings have given way to ordinary millwork and double hung sash windows to conserve steel.

Little mechanical equipment is required inasmuch as the buildings in the area served by the Central Heating Plant are connected to the existing steam distribution lines or to short extensions therefrom. Outside this area each building or group of buildings has its own heating plant. All space heating is by direct radiation—the radiators being located below the windows. Domestic hot water is furnished by the usual type of steam hot-water generator. The only ventilating equipment installed consists of motor driven exhaust fans each connected to an individual duct system exhausting air through grills in the second floor ceiling. This provision will be appreciated by those familiar with Washington summer weather. Plumbing is, of course, kept to a minimum by locating the wash rooms on the second floor over those on the first floor.

For fire protection all temporary buildings are equipped throughout with a sprinkler system connected to the city water mains. An electrical supervisory system indicates in the office of the Captain of the Guard the position of the various sprinkler valves. The inside fire alarm and watchman's report system supervisory equipment are located in the same office. The fire alarm system is not connected to the city fire alarm telegraph, but in each building in the guard office there is a city alarm box so that an alarm can be turned in without going outside the building.

The electrical requirements of each group of buildings are supplied from the Power Company's high tension feeders. A high tension service entrance vault, and as many additional transformer vaults as are economically necessary are centrally located in the courts between certain wings. These are masonry vaults built above ground. The standardized switchgear arrangement developed by the Public Buildings Administration calls for two 13.2 kv incoming line service entrance cubicles, each containing an oil circuit breaker, disconnects, relays, and provision for the Power Company's metering current and potential transformers. A bus-tie oil circuit breaker cubicle is provided so that in the event of failure of a feeder the transformers normally associated with that feeder may be connected to the other feeder. The transformers used are of the network type 300 kva or 100 kva capacity rated 13,200/208/120 volts, three phase, 60 cycle, four wire. Inability to secure delivery of network protectors in the short period of time allowed by the construction program forced a modification of the low voltage network originally planned as the back-

bone of the electric distribution system. Instead of tying the secondaries of the several transformers together and connecting panel risers to the mains in true network fashion the three phase, four wire panel feeders are run radially from their respective transformers. Feeder protection is obtained by insertion of a "fuse limiter" in each phase of each feeder.

General lighting in the buildings is by 1000 watt lamps in total indirect lighting fixtures spaced one per bay. Hall and wash room fixtures using 100 watt lamps are of the enclosing globe or glass shade type. In addition to the usual red exit lights which burn continuously there are night lighting circuits controlled from the office of the Captain of the Guard used at night to furnish sufficient illumination for the guards patrolling the buildings. Flood lights in each court between the wings furnish protective lighting and aid the guards in patrolling the exterior of the buildings. An adequate number of "convenience outlets" is provided for office machines and fans.

Since the number of telephones required in any building may vary widely, the Public Buildings Administration made provision for this by including in the plans and specifications a conduit system and terminal boxes. The multiple pair cables and wire from the terminal blocks to the instruments are furnished and installed by the Telephone Company. The shortage of iron pipe electrical conduit has dictated the use of wooden raceways for telephone cables in the buildings most recently constructed.

It has been the purpose of this article to call attention to certain engineering features of our government office buildings in Washington, particularly the temporary buildings which have been or are now under construction. Perhaps one of the most striking conclusions to be derived from a birdseye view of Washington today is that spending billions of dollars in the defense effort entails a tremendous expansion of "general overhead" personnel. While the general overhead expense may be but a few percent of the total cost of the defense effort, the physical problem of housing the expanded agencies is one of serious proportions involving millions of square feet of office space. This is being solved by the application of technical skill and ingenuity in the same way that we are solving the technical problems more directly associated with modern mechanized warfare.

Growth of the Fraternity

The past biennium saw the greatest gain in membership which has occurred in any two year period. Nearly one hundred more men were initiated than in the preceding biennium. The following tabulation presented by Grand Scribe Erich J. Schrader, at the 15th Convention shows the growth of the fraternity for several bienniums as well as the chapter enrollments in the last two periods.

BIENNIAL GROWTH

Date	*Beginning*	*End*	*Increase*
1925-27	2943	3502	559
1927-29	3502	4185	683
1929-31	4185	4824	639
1931-33	4824	5451	627
1933-35	5451	6011	560
1935-37	6011	6641	629
1937-39	6641	7344	703
1939-41	7344	8148	804

GROWTH OF THE FRATERNITY IN THE LAST TWO BIENNIUMS

Chapter	*1939*	*1941*	*Increase*
Alpha	442	455	13
Beta	468	514	46
Gamma	545	572	27
Delta	426	473	47
Epsilon	478	516	38
Zeta	420	446	26
Eta	301	301	....
Theta	276	334	58
Iota	404	447	43
Kappa	455	455	....
Lambda	410	443	33
Mu	257	316	59
Nu	333	366	33
Xi	50	50	....
Omicron	243	270	27
Pi	248	277	29
Rho	235	270	35
Sigma	231	258	27
Tau	228	264	36
Upsilon	147	181	34
Phi	162	177	15
Chi	188	239	51
Psi	128	160	32
Omega	146	174	28
Gamma Beta	91	125	34
Delta Beta	32	65	33
Total	7344	8148	804

ENROLLMENT OF UNDERGRADUATE ENGINEERING STUDENTS 1941-42

The size of the engineering schools at which Theta Tau has chapters is given in the tabulation below. The data are taken from the comprehensive list given in the December, 1941, issue of the S. P. E. E. *Journal of Engineering Education.*

Chapters	*Institutions*	*Totals*	*Rank According to Size of School*
Alpha	Minnesota	2,552	2
Beta	Michigan State College	708	11
Gamma	Colorado Mines	740	10
Delta	Case	1,665	6
Epsilon	California, University of	1,859	4
Zeta	Kansas, University of	642	12
Theta	Columbia	528	13
Iota	Missouri Mines	810	9
Lambda	Utah, University of	528	14
Mu	Alabama, University of	971	8
Nu	Carnegie	2,062	3
Omicron	Iowa University	480*	17
Pi	Virginia, University of	226	23
Rho	North Carolina State College	1,352	7
Sigma	Ohio State University	1,760	5
Tau	Syracuse	486	16
Upsilon	Arkansas	332*	21
Phi	Purdue	3,444	1
Chi	Arizona	407	18
Psi	Montana Mines	251	22
Omega	South Dakota Mines	366	20
Gamma Beta	George Washington University	498*	15
Delta Beta	Louisville	368	19

*1940 total—1941 not listed.

Iron and Steel Division of Mining and Metallurgical Institute Rewards Theta Taus

At the annual banquet of the Institute the award of the Robert W. Hunt Prize and Certificate was made to Harold K. Work, Theta '21, manager of research and development, Jones & Laughlin Steel Corp., Pittsburgh. Also at the annual banquet the J. E. Johnson, Jr., Award was made to Louis F. Sattele, Nu '23, superintendent of pipe mills, National Tube Co., McKeesport. Both of the award winners were not more than forty years of age when their work was done that earned the award.

Dr. Work was born at Hartford, Conn., and received his Bachelor's degree from Columbia. His graduate work leading to a Ph.D. was done at the University of Pittsburgh. After four years' work at the Mellon Institute he spent seven years with the research laboratory of the Aluminum Co. of America, leaving there in 1936 to become head of Jones & Laughlin's research and development department. The Hunt Prize was awarded to Dr. Work for his paper presented to the Iron and Steel Division and entitled "Photocell Control for Bessemer Steelmaking." This paper, and the other contributions on Bessemer steelmaking to the "Transactions" of the Iron and Steel Division from Jones & Laughlin's research and development department, record the most important developments in the Bessemer process in many years.

The J. E. Johnson, Jr. Award recipient, Louis F. Sattele, Nu '23, was born in Pittsburgh and received a degree in metallurgy from Carnegie Institute of Technology. Immediately after graduation he entered the employ of the National Tube Co. as practice man and blower on the blast furnaces, and in 1930 he was made assistant superintendent of blast furnaces at the National Tube Company's National Works. After spending some time on raw materials for the same company, he was made blast-furnace superintendent in 1937, which position

(Mining and Metallurgy)

Steel makers—Work and Sattele

he held until July, 1941, when he was appointed superintendent of pipe mills at the National Works. The award was made for Sattele's work in applying fundamental slag data to practical blast-furnace operation resulting in the economical use of low-alumina ores and in the production of low-silicon iron.

—*Mining and Metallurgy*

Simon Ramo, Lambda '33

Born at Salt Lake City, Utah, May 7, 1913, Simon Ramo attended the local grade and high schools there and from these early days he has always been keenly interested in music. He started violin studies at the age of seven and became so proficient that during his high school period he was concert master of the school orchestra; participating in radio and other concerts, he played violin solos in several churches of the city and for various charity benefits and became first president of the first Junior Music Club in Utah.

At the same time his early science studies in high school created an interest in engineering and, while there was a time when he debated in his mind whether to make music or engineering his chosen profession, he finally decided in favor of engineering and emphasized science courses in his high school work. In addition to receiving high school awards for excellent scholarship he won state and intermountain high school contests for violin solo work and received a medal for the most outstanding individual performance as well as a part-tuition scholarship at the University of Utah.

He entered the University of Utah in the fall of 1929 and completed a four-year course in 1933 with a degree of B.S. in E.E. ranking first in scholarship in the Engineering School. In his senior year he had a laboratory assistantship. He was also active in

(*Telegraph Press*)
Simon Ramo—music and engineering

the student section of A.I.E.E., Tau Beta Pi, Theta Tau, and Phi Kappa Phi and worked on committees for college engineers' events. He further displayed his versatility by attaining the runner-up position in the annual intra-mural debating contests.

Again in his college life, music had a prominent part and he served as concert master and violin soloist in the University of Utah Symphony Orchestra, playing the Mendelsohn Violin Concerto with orchestral accompaniment in the annual symphony concert.

Having an interest in engineering research and development, Ramo entered the California Institute of Tech-

nology in the fall of 1933 to seek an advanced degree. He took courses in engineering and mathematics, did research in high voltages and received a Ph.D. magna cum laude, in 1936. He was a joint author with Dr. R. W. Sorenson of papers on "The Sparkless Sphere Gap Voltmeter" presented at the A.I.E.E. summer conventions of 1935 and 1936. Interest in music continued. He became concert-master of the California Tech Orchestra and other concerts. He also played before the A.I.E.E. summer convention at Pasadena in 1936.

That great training field and proving ground for engineering talent, the General Electric Test Course at Schenectady, N. Y., captured Dr. Ramo in the fall of 1936. His early work there was with H. P. Kuehni on oscillograph design, resulting in an A.I.E.E. paper in 1937. He then became interested in the theory of velocity modulation and worked out several new phases not previously covered, publishing his results in the Physical Review and the Proceedings of the I.R.E. in 1939. A "popular" presentation was also published in "Communications" of March and November, 1940. He and Dr. John Blewett began to collaborate on magnetron theory and experiment in 1939, publishing a paper on this subject in the Physical Review in 1940.

Despite his relatively short period of experience in industry, Dr. Ramo's abilities as a teacher and a development engineer in the high-frequency field are recognized as outstanding.

As a teacher, he first studied in General Electric's Advanced Course in Engineering and then went on to organize their Advanced Course in High-Frequency Engineering. A review of this very important work was presented to the A.I.E.E. in 1940 with Dr. A. R. Stevenson, Jr., the paper being entitled "A New Post-graduate Course in Industry in High-Frequency Engineering." Dr. Ramo has since given up active direction of this course but is a frequent lecturer.

As a development engineer, Dr. Ramo has recently been engaged in the construction of an improved electrostatic electron microscope and in work on electronic amplification and ultra high-frequency generation, modulation and reception. Much of this work is secret because of its connection with National Defense and the results may not as yet be reported other than to state that he has been granted two patents in his own name and two jointly with Dr. John Blewett, and also has several pending in these fields.

In the realm of music, Dr. Ramo has for several years, played first violin and acted as assistant concertmaster of the Schenectady Civic Symphony Orchestra, an organization of about 40 professional and 20 non-professional musicians. He has also organized a string quartet and plays frequently for music clubs, YMCA and others, both in the quartet and as a soloist.

In the spirit of good citizenship he has also taken an interest in civic affairs. He is a member of the Schenectady Bureau of Municipal Research and of its committees to study traffic conditions in Schenectady and state legislation affecting the city's welfare.

In his spare time Dr. Ramo is now writing a textbook on "Electromagnetics of Modern Radio" and is carrying on the Radio Communications Course at Union College, following the retirement last spring of the late Dr. E. J. Berg as Professor of Electrical Engineering.

—*Bridge of Eta Kappa Nu*

George Abbot Sidesteps German Army

Reunited in Cleveland after a family separation which began at a French railway station when Hitler's armies were marching on Paris, are Brother George Abbott, Delta '25, and his little daughter Sidsel-Ann. Mrs. Abbott and the baby fled Marseilles a year ago last June, two days before the German occupation of Paris. Brother Abbott had been forbidden by the State Department to discuss conditions in France with newspaper men, or to reveal any of his experiences with the German army. This left little to talk about—except Sidsel Ann.

—*Case Alumnus*

(*Case Alumnus*)

George Abbot can talk about Sidsel-Ann

George Frederic Leydorf, Sigma '27, Becomes Radio Expert

Some mathematicians keep their heads high in the clouds on purpose, but Brother Leydorf—radio mathematician extraordinary—keeps his head in the stratosphere, with a purpose. Among his many responsibilities with the Crosley Corp., he works with such an intangible thing as the "sky wave" of a broadcast station. To most of us a "sky wave" may bear an alarming resemblance to the well known "sky hook," but to Brother Leydorf it is a very real thing and he knows how to make it work.

It seems that radio station WLW was getting along quite nicely with its

new 500-kw transmitter until a radio station in Toronto, Canada—on an adjacent channel—protested that it was being drowned out by WLW in its own territory. It became brother Leydorf's job to devise a method of signal suppression which would reduce WLW's signal intensity in Toronto only.

To solve the problem, he designed a novel broadcast antenna which he said would reduce WLW's 500-kw to about 50-kw in and around Toronto

(Telegraph Press)
Radio expert Leydorf

only. He helped install his antenna—the first directive antenna utilizing sky-wave control. Amazing as it may sound, when signal intensities were checked in Toronto and elsewhere, they were found to tally exactly with Brother Leydorf's calculations. From this—recognized as an outstanding contribution to radio-wave propagantion-control—Brother Leydorf has developed formulae and charts from which proposed new types of antennae may be produced.

Brother Leydorf has made contributions of similar caliber to the measurement of field intensity of radio transmitters—a measurement of prime importance in determining the commercial value of a broadcast station; his method is now used by the U. S. Bureau of Standards and the Federal Communications Commission.

He is also responsible for methods used today in tracing down and eliminating "ghost signals" in city areas, that is, the elimination of "external cross modulation." Masses of metal often pick up radio waves from several radio stations. These waves are scrambled and the result is that a listener often may get signals from two stations on the same dial setting and nothing he can do will eliminate one. Brother Leydorf's contribution is a method which detects the source of these scrambled waves and a method to correct the condition.

Another "first" for Brother Leydorf is the development of a "pump back" system of delivering power to a rhombic antenna. It matches the return power to the input power in voltage and phase, allowing recovery of power which formerly was dissipated in resistors. This saves about 15,000 watts in a 10,000-watt station.

He also has designed revolutionary circuits in the new station WLWO, a highly directive international station aimed at South America, said to be superior to any other. Among his numerous contributions are such things as a new tuning circuit permitting tuning of individual banks of 100,000-watt vacuum tubes without upsetting tuning in other banks in the final stage of the 100,000 watt WLW transmitter—a feat which was considered impossible by the manufacturer of the equipment.

Brother Leydorf was born on a farm near Perrysburg, Ohio, April 24, 1908.

His pre-school recollections include his first black-eye, his first scientific exploit—the "re-invention of the siphon," the great flood in 1913 which almost caught up with him on a Ft. Wayne street, Halley's comet, a runaway ride in a buggy which ended in a ditch.

He easily kept ahead of his classes through the grades and high school. In the latter, the extra-curricular load grew until in the senior year he played the trumpet and clarinet in an orchestra, took part in football and track activities, was captain of the basketball team, built and sold radio sets to his teachers and friends, became business manager of the class annual and associate editor of the school paper, "made" all kinds of honor groups, won a scholarship, and finally capped it all with a salutatory address so good that his grandfather decided he should become a minister or a lawyer.

But Brother Leydorf entered Ohio State University in 1926 to study engineering. As a college freshman he took an intense interest in Mathematics and feels indebted to Prof. Rasor, who "worked in a lot of philosophy with the course."

In his junior year he joined Eta Kappa Nu, Tau Beta Pi, and Pi Tau Sigma. As usual, he loaded up on his extra-curricular activities, but this time his work suffered, and he was advised to drop his studies for a while. This decided him to join the army. Army life soon lost its charm for him, and he got out. He went to work for a traction company.

In the summer of 1929, he was married to Helen Louise Hulbert whom he had met in his freshman year. Came the crash and, of course, he lost his job. He took to selling radio receivers and doing radio service work. In January 1930 he returned to his studies at Ohio State. That spring he received the Lamme scholarship award and was elected chairman of the A.I.E.E. student branch. He maintained a class average of above 90 percent, was elected to Sigma Xi and Theta Tau and was graduated at the top of his class in 1931. He then served two years as a graduate assistant, receiving his M.S. degree in 1933.

A son, George Frederic Jr., was born in 1931, a daughter Jo Ann, in 1935. Brother George is active in the Methodist-Episcopal church, is interested in boy scout work, and frequently addresses widely varied groups on all phases of radio.

His hobbies are astronomy, amateur radio and rifle and pistol marksmanship. He has a six-inch telescope and is working on an eight-incher with which he hopes to do photographic and spectroscopic work on the stars. He owns and operates amateur radio station W8FAR. He belongs to the National Rifle Association and has an expert rating with the .45 caliber pistol. He also has contributed to experiments on a new type of jacketed bullet, the results of which have been published in an article "Jacketed Bullet Substitutes" (see September, 1941, "The American Rifleman").

Because of his varied accomplishments, Brother Leydorf is a refutation of the popular conception of the unsociable engineer and is equally at home in any social group. He has taken leading parts as technical expert in engineering conferences with the FCC and in 1937 represented his company at the International Radio Conference held at Havana, Cuba.

He is an active member of the Institute of Radio Engineers. He belongs to the American Relay League and helps boys get their operator

licenses. With his amateur station he helped keep contact with the Schooner Yankee when she was in the antipodes, and helped out in emergency communications during the Ohio Valley floods of 1937.

He helps collect Red Cross contributions; one of his ambitions is to improve the lot of rural radio; he swims in the YMCA pool for exercise; he has held a commission in the U. S. Army Signal Corps Reserve; he is a fair boxer (years ago, he says); he likes to dance, hunt, fish, camp, play tennis, sail boats, play softball, take candid camera pictures.

Here's a sample of what they say about Brother Leydorf: " . . . as a technical expert he shows a rare combination of brilliant scholarship, indefatigable industry and imagination, combined with common sense."

—*Bridge of Eta Kappa Nu*

All American, Holt Rast, Graduates this Spring

All American Rast

Holt Rast, Mu '42, probably received more national publicity during the past year than any other Theta Tau, active or alumnus, due to his great football ability, which was recognized by almost all of the All-America pickers. Holt called signals for the Crimson Tide from his end position last season, and Bama's successful football year, climaxed by a Cotton Bowl win over the Texas Aggies, was due to a large extent to his skillful handling of the team. While he is known best for his football activities, Brother Rast has also taken part in many other campus organizations, being a past president of the "A" club, and a member of Jasons, honorary senior society, and Omicron Delta Kappa. Holt was initiated into Theta Tau in the spring of 1940, and will graduate this spring as a Bachelor of Science in Civil Engineering.

Wayne Lynch Heads G. E. Department

Wayne E. Lynch, Kappa '26, was recently appointed head of the newly formed railroad rolling stock section of the transportation department of General Electric Co. at its Erie (Pa.) works and will be responsible for locomotive applications and sales to railroads, including electrics, diesel-electrics, complete electrifications and electric equipment for railroad locomotives.

A native of Illinois, Brother Lynch

attended Bradley Polytechnic Institute at Peoria for two years and graduated from University of Illinois in 1926. In July of that year he entered the G-E test course, taking the G-E advanced engineering course in 1927 and 1928. In the latter year he transferred to the transportation department at Schenectady, moving to Erie in 1929. In 1931, after three years on urban-transit and gas-electric cars, he was assigned to heavy-traction equipment and did considerable work on the Pennsylvania electrification. In 1939 he became interested in the application of diesel-electric locomotives for switching and mainline service and followed this work until his recent promotion.

—*Bridge of Eta Kappa Nu*

(Telegraph Press)
G. E. Executive Lynch

Flight to Middle East Wins Cross for Curtis E. LeMay, Sigma '28

Co-piloting a huge bomber on a long distance flight which mapped the route now used to ferry American planes to the Middle East was the action for which Lt. Col. Curtis E. LeMay, Columbus army flier, received the Distinguished Flying Cross, it was recently revealed by the Associated Press in Washington.

Col. LeMay was one of a crew of six aboard the plane, a B-24 four-engine bomber, which began its flight from Bolling Field, Washington, D. C., last fall and traveled across the south Atlantic to Africa, to Asia Minor and back, covering in all a route of 26,000 miles.

The three officers and three enlisted men comprising the crew were cited for outstanding initiative, resourcefulness, and a high degree of skill under trying conditions, according to the Associated Press.

Army spokesmen said the flight involved the use of a large number of strange airports and requiring expert handling of the plane, because most of the fields were smaller than is considered safe for the operation of a plane as large as the B-24.

The decoration, highest army award for noncombat flight achievement, was conferred on them at President Roosevelt's direction.

Col. LeMay, who is 35, a native of Columbus and a graduate of Ohio State University, has been an air corps flier for 13 years.

—*Ohio State Journal*

(Case Alumnus)
Air Corp flyer Eichler

Jack Eichler, Delta '41, Completes Flight Training

At Kelly Field, Texas, Jack Eichler, Delta '41, is completing his final ten months of advanced flight training required to earn the wings of a flying reserve officer in the recently re-expanded United States Army Air Corps.

Brother Jack originally haled from Cleveland Heights, Ohio, and quite logically entered Case School of Applied Science in Cleveland. While at Case he affiliated with Delta Chapter and, upon graduation, entered the Air Corps. Many Brothers will remember Jack Eichler as a delegate at the 14th Biennial Convention.

Volunteer Richards

Albert Richards, Lambda '36, on Midway Island

In a letter sent to Lambda Chapter and dated February 19, 1942, Albert Richards, Jr., Lambda '36, who is now located on Midway Island says: "It won't be very long before my contract is finished, but I volunteered to stay and finish up some important work. I've been plenty busy in charge of a good part of the engineering work here, and feel as safe here as in Honolulu. Commander Keim is my boss, as I work directly under him, and he is a good guy. He thinks a lot of Dr. Richard R. Lyman, Hon. Lambda member."

Regional Directors Appointed

The Fifteenth Biennial Convention inaugurated a plan for regional directors to have jurisdiction over the areas set up as regions for conferences.

To date, the following appointments as regional directors have been made by Grand Regent Glass:

Norman B. Ames—Region 1 (Gamma Beta, Theta, Tau, Pi, Rho)
C. H. Wall—Region 2 (Delta Beta, Nu, Delta, Sigma, Phi, Mu)
Joe W. Skovholt—Region 3 (Omicron, Alpha, Beta, Zeta, Iota, Upsilon)

In Memoriam

Francis A. Johnson, Epsilon '27, died in Los Angeles on February 4, 1942, following a severe attack of influenza. He is survived by his widow, Miriam Johnson, and a six year old son, Eric Stead Johnson. Brother Johnson was born January 2, 1903, in Sioux Falls, S. D. He graduated from Los Angeles High School in 1922 and then entered the Southern Branch of the University of California in Los Angeles, later transferring to Berkeley where he received an A.B. in geology in 1927, his M.A. in 1930, and his Ph.D. in 1934. He was with the Soil Conservation Service from 1933 to 1937 and then joined the staff of the Shell Oil Co. in Houston, Texas, where he remained until 1940. He returned to Los Angeles in October 1940 and rejoined government service with the Army Engineers in work on dam sites and had volunteered for aerial photographic studies at Bolling Field, Washington, D. C., just before his death. He was much interested in Theta Tau and during his undergraduate and graduate years remained an active member of Epsilon chapter for six and one-half years.

On August 1, 1941, Samuel W. Riter, Lambda '21, 1147 S. Lewis Place, Tulsa, Oklahoma, died instantly as a result of a heart ailment. Death occurred near Rangely, Colorado, as he was assisting in a core analysis, part of an extensive geological field trip.

S. W. Riter was born at Logan, Utah, June 27, 1896. He attended the University of California in 1919 and 1920; the University of Utah in 1920 and 1921, receiving his B.S. degree in geology from that institution. He was a graduate student in geology and an instructor at the University of Chicago in 1921 and 1922 and at Stanford University in 1924.

After his formal education, Mr. Riter worked as a subsurface and reconnaissance geologist. He served in Mexico in 1922-1924, for the Mexican Gulf Oil Company; in Colombia, 1924-1925, for the Richmond Petroleum Company; and he was employed by the Venezuela Gulf Oil Company in Venezuela in 1925. Since that time he has served as geologist with the Gulf Oil Corporation with headquarters at Tulsa, Oklahoma.

He was a member of the Tulsa Geological Society, Theta Tau, American Association for the Advancement of Science, Sigma Xi, Pi Kappa Alpha, Gamma Alpha and the Masonic Order.

—*(Bulletin of the American Association of Petroleum Geologists)*

THE GEAR has been informed of the death of the following men but as yet has received no further information:

Frederick Earle Caine, Delta '12

Francis A. Johnson, Epsilon '27, died suddenly February 4, 1942, in Los Angeles.

Letters to Editors

1411 Eastwood Ave.
Columbus, Ohio
December 26, 1941

Dear Brother Howe:

When Christmas time rolls around each year, one stops and thinks of the old gang and friends—wondering where and how they are. What could be more appropriate than a Christmas gift to one's self—a subscription to THE GEAR. Please find enclosed check for two years' subscription to THE GEAR. I am using your 1940 price list—if this is incorrect, let me know and I shall send on any balance due.

I don't have much in the line of news, but what I have will be of interest to some of the former "Miners" and those of Gamma Chapter. This first item is quite late and most everyone knows about it as it appeared in the Denver, Colorado, papers last summer—that Brother Joe McNeill, '28, was decorated for bravery by the British Government during the battle in Libya last spring. Joe was working with Abosso Mines Ltd., West Gold Coast, South Africa, when the war broke. He enlisted as a private and soon rose to rank of Lieutenant in the British forces from South Africa. Knowing Joe as I did in school—I can well understand—six feet two inches and solid 242 pounds of finest fighting Scotchman, capable of licking a light tank single handed.

The little woman and I have received Christmas greetings from Brother Ira O. (Huck) Thorley, Jr., Gamma '29, and his family. According to the last edition of the H & T Directory he was numbered amongst the "lost." Huck is still with the War Dept. for Uncle Sammy in the Engineers, carrying around on his massive shoulders the rank of Senior Engineer. He is now in Washington, D. C., having been transferred there recently. He is at home at 6601 14th Street N.W., Apt. 101.

Brother Walt Lofgren, Gamma '28, after many moons has come through with a grand big letter and much to my surprise has taken unto himself a charming bride. The main event took place in Las Vegas, Nevada, last April 19th with his opponent none other than the lovely Grace Wilder of Los Angeles. Walt is still with Ingersoll-Rand at Los Angeles.

That's all the news for now—not very recent in our fast moving world but still might

be of interest to some. Good luck and best wishes to you and all in H & T.

Yours in H & T,

FRANK CARRUTHERS, Gamma '41

P.S. Brother Russ Tilton, Beta '32, and myself are still hob-knobbing together at the Coated Fabrics.

Thanks for an interesting letter, Brother Carruthers. We hope your Christmas present, though not a surprise, will nevertheless be enjoyable.

Alhambra, California

Gentlemen:

Would you please change my address on your records to 2124 Wenburn Avenue, Alhambra, California. I was married last year and my wife and I are now settled at the above address.

I am employed as a sales engineer for the Minneapolis-Honeywell Regulator Company, Brown Instrument Division, and have been working in the Los Angeles area for the past year and a half. We have been doing considerable business with air-craft, ship building, and other defense projects, so consequently find myself quite busy these days.

I have encountered Brothers Kenny Hill, Epsilon '38, and Ralph Fowler, Epsilon '36, in the last few months. Both are employed as engineers in the Los Angeles area. Kenny is expecting to join the armed forces shortly.

With best regards,

Yours in H & T,

ROBERT B. GRANT, Epsilon '38

Keep up the good work, Brother Grant. Thanks for the news.

---

814 Overbrook Road
Richmond, Virginia

Dear Editor Howe:

It seems that I enjoy the issues of THE GEAR more every year for the national and local fraternity news that I find therein. I am sorry to relate that so far it is the only way I have of keeping in touch with happenings at my chapter house and with a very few brothers whose names and doings sometimes appear on its pages.

Every time I read THE GEAR, a desire to hear from some of my distantly located brothers surges within me. About a year and a half or two years ago a chapter brother of mine took steps to remedy the contact question. He instigated a circular letter among the brothers in his class and mine. The idea was for each boy to write a personal news letter, then pass his along with the ones he had received from another brother. This letter was to circulate among the "old gang" so that each one could keep up with what the others were doing. I thought it was a grand idea, and as far as I know, we had one going that reached about 120 brothers, but it must have gotten lost because it never has come back to me.

I seem to be one of a few Theta Tau members who have landed in Highway work. At present I have a rating of Junior Highway Engineer with the Virginia Department of Highways, and located in Richmond. I have had experience during the last three and a half years in highway road and bridge construction, asphalt paving work, drafting and now some maintenance work. No telling what this war will do to highway work when automobile traffic is curtailed because of lack of rubber, gasoline, etc., which will in turn cause a decrease in funds for road building and maintenance.

I want to let you know that I enjoyed your 1941 Fall issue of THE GEAR very much. See if you can't get some of those Pi Chapter Alumni to write more news. Pi had mighty little of that compared to some of your other contributors.

Yours in H & T,

P. W. FITZPATRICK, Pi '37

Maybe your S. O. S. will bring to life some good ol' Pi men, Brother Fitzpatrick. Here's luck!

R. D. No. 1, Box No. 181
S. Akron, Ohio

Dear Brother Howe:

I received my GEAR and was glad to hear that some of the Omicron boys are still alive and that they are still carrying on at 804 North Dubuque. I have seen several boys of Theta Tau around this part of the country, but the boys of last year's class seem pretty well scattered.

Things here are pretty much in the hands of the government. At present the Columbia Chemicals are turning out about all they can with the government handling most of the shipping. Many new plants are going up out here and have made an apartment a thing often dreamed of but never found. Attics and basements alike are being converted into living quarters.

I'll be looking forward to the next issue of THE GEAR.

Yours in H & T,

BOB MILLER, Omicron '41

Glad to hear from you, Bob. Glad you settled into a productive activity.

The GEAR *of* THETA TAU
OFFICIAL PUBLICATION OF THE FRATERNITY

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

218 ENGINEERING HALL IOWA CITY, IOWA

Subscription $1.00 a Year *Life Subscription $15.00*

VOLUME XXXI SPRING, 1942 NUMBER 2

ACCELERATION

Many engineering schools will soon begin an accelerated program which will shorten the time for graduation of all engineers now in school, except for the graduating seniors. Those schools operating on the semester basis are planning a "summer semester" and those on the quarter system are offering a summer quarter. Either plan results in an increase in rate of progress through engineering—or, reversely, requires less time to obtain a degree. Beginning freshmen can graduate in two years and eight months while present juniors can accept employment as graduate engineers next January.

Many students now in school are wondering whether or not to enter into the accelerated program. To do so will, in many cases, involve borrowing money in the summer rather than earning it. To some, this seems to present an insuperable obstacle. So far, the government has taken no action which would facilitate student credit arrangements. Others feel that experience in the summer is more desirable than formal education. Some, no doubt, believe that their brains need a vacation, if they are to avoid going "stale."

There are also good reasons for going to school the year round. Obviously, the need for engineers is great. Were this not true no school would have gone to the trouble and expense of presenting a regular summer term. The engineering student can not serve his country more effectively than to make himself available for technical service in the war effort as soon as possible. The recent ruling of the Selective Service authorities removing the protection of deferment from those engineering students who are on vacation is no doubt a practical effort to encourage the student to speed up his training. Government authorities are agreed that they would rather have an engineer in six months or a year than a raw recruit for the infantry now, and this viewpoint is undoubtedly shared by most students.

The necessity of borrowing money should not deter an engineering student. Starting salaries today are enough higher than they were a year ago to enable the average single man to repay a school debt in a year or two. By the time present students graduate, compensation may be even higher due to the unparalled demand for engineering service.

Probably little importance should be attached to summer employment at this time. Better, now, to get experience in a place where development into a useful engineer can follow as quickly as possible. The loss of a vacation will probably not prove as detrimental to a good grasp of engineering fundamentals as might be supposed. The average practicing engineer works 50 weeks

of the year without noticeable loss of efficiency. True, he may not have to burn as much midnight oil as a student but his responsibilities are much greater. The failure of a structure or machine is much worse to contemplate than is the possibility of getting a D grade in 5 hours of work.

It thus seems desirable to enter into accelerated programs immediately. Students should also buckle down to work for as complete a mastery of their courses as time will permit. We are at war and our opponents don't take vacations.

THE IMPACT OF WAR

War will bring problems to the fraternity. The possibility of serious disruption of chapter functions will be ever present. The call to service may deplete chapter rolls. Lack of attention may cause chapter finances to deteriorate.

To be forewarned is to be forearmed. The Grand Regent in his report to the Convention made several good suggestions which chapter officers should look up in the convention minutes and study. Chapters should make an immediate effort to reach a strong condition. Members should be recruited from all eligible classes to prevent loss of the bulk of the chapter by graduation. Strict control of member accounts should be exercised in order to keep the chapter solvent. Unnecessary expenditures should be postponed. Transactions with members of the Executive Council should be carried out promptly and efficiently in order that all concerned may save time — time which, in many cases, may have a direct bearing upon our war effort.

In short, war conditions demand that chapters be on their toes, alert to the dangers, and prepared to meet all contingencies. The time to drift aimlessly along the path of least resistance is past.

Present Chapter Advisers

The most recent list of chapter advisers appears below. Chapters are reminded that their recommendations for advisers should be submitted to the Grand Regent. If he concurs in their choice, he will appoint the brother recommended, thus making the adviser, in effect, a representative of the Grand Regent.

Alpha—Albert Schlechten, Psi '37
Beta—Leo F. Duggan, Beta Hon. '12
Gamma—M. I. Signer, Iota '22
Delta—Milo S. Ketchum, Kappa '31
Epsilon—Charles A. Anderson, E '24
Zeta—Wendell Wyatt, Zeta '39
Theta—A.D. Hinckley, Theta '27
Iota—Clair V. Mann, Hon. Iota '14
Lambda—George W. Carter, Lambda '33
Mu—James M. Faircloth, Rho '28
Nu—Leo T. Lawler, Hon. Nu
Omicron—J. W. Howe, Omicron '24
Pi—
Rho—
Sigma—Claude H. Wall, Sigma '20
Tau—Edward F. Perry, Tau '13
Upsilon—William B. Stelzner, Upsilon Hon. '07
Phi—George P. Springer, Phi '11
Chi—E. S. Borgquist, Lambda '11
Psi—G. L. Shue, Psi Hon. '26
Omega—C. Merle Rowe, Omega '21
Gamma Beta—Norman B. Ames, Gamma Beta '17
Delta Beta—H. H. Fenwick, Delta Beta '23;
W. R. Barnes, Delta Beta '37

Additions to Membership

ALPHA

413 _____
414 Irwin L. Mattson, Orients, Cuba
415 Bill Boyum, Minneapolis, Minn.
416 Winston E. Bergsman, Benson, Minn.
417 Warran Henry Underwood, Minneapolis, Minn.
418 Richard Vern DeLeo, St. Paul, Minn.

BETA

111 Jack Bruce Bowker, Ontario, Canada
112 Raymond M. Dick, Ironwood, Mich.
113 Norman Samuel Eddy, Lake Linden, Mich.
114 Wallace Norman Thomas, Ironwood, Mich.
115 Roger Mark Atkins, Gary, Ind.
116 Raymond Earl Christensen, Lakeview, Mich.
117 Robert Joseph Robillard, Houghton, Mich.
118 Bernard William Timmer, Twin Lake, Mich.
119 Lawrence Patrick Kelly, Birmingham, Mich.
120 Robert Earl Willard, Detroit, Mich.

GAMMA

173 Wallace Joseph Chapla, Lorain, Ohio
174 Eugene H. Smith, Pagina Springs, Colo.
175 Ted Paul Stockmar, Jr., Denver, Colo.
176 Charles E. Muller, Pueblo, Colo.
177 Robert Douglas McPhee, Denver, Colo.
178 Thomas Russel Fredriksen, Santa Monica, Calif.
179 James Donald Eden, Glendale, Calif.
180 Frank Ernest Kendrick, III, Leadville, Colo.
181 William Fletcher Shelton, Great Bend, Kan.
182 Ralph Lawrence Blair, Inglewood, Calif.
183 Bill Harris, Burgdorf, Idaho
184 Joel Merriman Moss, Storrs, Conn.

DELTA

474 Edwin Emerson Cockrell, Cleveland Heights, Ohio
475 Bert Alfred Grow, Cleveland, Ohio
476 Harold Daniel Kessler, Cleveland, Ohio
477 Charles Louis Mlakar, Cleveland, Ohio
478 John Robert Nielson, Cleveland Heights, Ohio
479 Richard Emil Panel, Cleveland, Ohio
480 James Cameron Puffenberger, Cleveland Heights, Ohio
481 Lester Howard Symes, Cleveland Heights, Ohio
482 William Jorgensen Wischmeyer, Cleveland, Ohio

ZETA

447 470
471 Charles Vernon Foster, Parsons, Kan.
472 Robert Lee Brothers, Chanyvale, Kan.
473 John Frederick Williams, Troy, N. Y.
474 Robert Arthur Meredith, Lincoln, Kan.
475 Bernley Miles Asel, Lawrence, Kan.
476 Gernard Daniel Dean, Glen Elder, Kan.
477 David Evans Shaad, Lawrence, Kan.

THETA

324 Joseph Francis Anderofsky, Wilkesbarre, Pa.
325 Samuel Logan Higginbottom, Hollis, L. I., N. Y.
326 Alexander Saenz Leon, Firthcliffe, N. Y.
327 John Callanan Madigan, Jr., New York City
328 Joseph Harry Leuner, Bronx, N. Y.
329 Lawrence Henry O'Neill, Glendale, N. Y.
330 Thomas Francis Maher, Bronx, N. Y.
331 John Leslie Helm, New York City
332 Menachem Feridoun Kischif, Flushing, N. Y.
333 Donald Duane Snively, Massilon, Ohio
334 Richard Steinschneider, Jr., Rockville Center, N. Y.
335 Manuel Antonio Pietrantoni, Puerta de Tierra, Puerto Rico

IOTA

434 George Alvin Allison, Chester, Ill.
435 Thomas Leonard Brannick, Bridgeport, Conn.
436 John Hermann Doerres, Jr., St. Louis, Mo.
437 Joseph William Eisman, Benld, Ill.
438 Vernon Adolph Gehrer, St. Louis, Mo.
439 Charles Kenneth Mitchell, St. Louis, Mo.
440 Nicholas Muchovic, Greenfield, Mass.
441 James Arthur Neustaedter, St. Louis, Mo.
442 John Allen Reed, Jr., Springfield, Mo.
443 Ralph Walter Ruwwe, St. Louis, Mo.
444 Richard Hilton Schaum, North Tonawanda, N. Y.
445 Leo Gradon Spinner, Palestine, Ill.
446 Donald Jay Studebaker, Humansville, Mo.
447 George Harding Thomas, St. Joseph, Mo.

LAMBDA

444 Charles G. Parker, Jr., Burley, Idaho
445 Don Alvin Olson, Salt Lake City, Utah
446 Charles George Manning, Ogden, Utah
447 Clarence Rind Lesser, Hayward, Calif.
448 John Joseph Knight, Salt Lake City, Utah
449 Michael Devich, Murray, Utah
450 Mark Leland Bryner, Salt Lake City, Utah
451 Wallace M. Brown, Kaysley, Utah
452 Axel West Berrier, Spokane, Wash.

MU

101 Walter Scott Wilson, III, Birmingham, Ala.
106 William Edward Lear, Middlesboro, Ky.
107 Afton Bradford Jowers, Dikons Mills, Ala.
108 Jack Barret Edmonds, Middlesboro, Ky.
109 Thomas Bentley Schilling, Las Cruces, New Mexico
110 Roy Gordon Heaton, Sheffield, Ala.
111 Alfred Holston, Akron, Ala.
112 Joseph Michael Giangregorio, Bronx, N. Y.
113 Sherwood Heywood Lawrence, Birmingham, Ala.
114 Jay Taylor Fish, Niagara Falls, N. Y.
115 William Ellsworth Miller, Wading River, N. Y.
116 Stanley Banyra, Queens Village, N. Y.

NU

118 Donald Ray Brunstetter, Bloomsburg, Pa.
119 William James Happel, Belfast, Ireland
160 Charles Benoit Le Bon, Jr., Library, Pa.
161 Ben George Marcin, Brooklyn, N. Y.
162 James Eugene O'Neill, Pittsburgh, Pa.
163 William James Purcell, Pittsburgh, Pa.
164 Joseph Rubin, New York City
165 Jack Edwin Rupp, Pittsburgh, Pa.
166 Donald Landerson Van Orman, Canton, Ohio

OMICRON

269 Edward Allen Slinder, Lawler, Iowa
270 Clair Elmer Thomas, Lorimor, Iowa

RHO

271 Robert Paul Auman, Phoenix, N. Y.
272 William Lloyd Corbin, Jr., Otto, N. C.
273 Robertson Eppes, Jr., Louisburg, N. C.
274 Edwin Harold Glenn Farthing, Valle Crucis, N. C.
275 Stephen Scott Ferebee, Jr., Shawboro, N. C.
276 William Jackson Goodrum, Greenville, N. C.
277 William Griffin Graves, Mebane, N. C.
278 William John Hecht, Jr., Norlina, N. C.
279 Irvine Johnston Hetherington, Jr., Baltimore, Md.
280 Thomas Mitchell Hughes, Jr., Wilson, N. C.
281 James F. Kelly, Alma, N. C.
282 Raymond Smith Kelly, Laurel Hill, N. C.
283 Robert Everett Nicks, Elkin, N. C.
284 Henry Jerome Stockard, Jr., Raleigh, N. C.

TAU

265 Robert Daniel Baxter, Bronx, N. Y.
266 Paul Wesley Berthold, Aurora, Ohio
267 John Bernard Peck, Syracuse, N. Y.
268 Roy O. Malmgren, Brockton, Mass.
269 Richard Austin Baumgartner, Syracuse, N. Y.
270 Robert Howard Foster, Syracuse, N. Y.
271 James Edward Sullivan, Syracuse, N. Y.
272 Thomas Melville, Syracuse, N. Y.
273 William Frederick Dalheim, Syracuse, N. Y.
274 Frederick Edward Cammerrell, Jr., Trenton, N. J.
275 Robert Douglas Lancey, South Orange, N. J.
276 Francis Richard Bonhurst, Jr., Syracuse, N. Y.
277 Jack Arthur Kuhlman, Buffalo, N. Y.
278 Eugene Daniel Britt, Jr., Syracuse, N. Y.
279 William Francis Hilary McCarthy, Syracuse, N. Y.
280 Schuyler Wolcott Jackson, Syracuse, N. Y.

UPSILON

177 John Lewis Adams, Cotter, Ark.
178 Cyrus Humington Bond, Jr., Marion, Ark.
179 Carlos Cleveland Hendrickson, Greenbrier, Ark.
180 George Hilton Hufsmith, Little Rock, Ark.
181 Ray Walter Toler, Jr., Searcy, Ark.
182 James Raymond, Dierks, Ark.
183 Gerald R. Carter, Blytheville, Ark.
184 Robert Price Duncan, Cameron, Mo.
185 John A. Forsyth, Mena, Ark.
186 Robert L. Hester, Evening Shade, Ark.
187 George S. Johnson, Beacon, N. Y.
188 Harold G. LaDue, Beacon, N. Y.
189 Thomas R. Logan, Prescott, Ark.

PHI

178 Robert Nelson Isacki, Brooklyn, N. Y.

CHI

231 William Adams, Scottsdale, Ariz.
232 James Anthony Frazier, Nogales, Ariz.
233 James A. Garrett, Jr., Superior, Ariz.
234 A. Maxwell Jones, Jr., Buffalo, N. Y.
235 William Lewis Kinney, Scottsdale, Ariz.
236 Tom Clarence King, Chile, Mexico
237 Carter Eugene Nelms, Globe, Ariz.
238 George Edwin Shelley, Kingman, Ariz.
239 James Morrison Taylor, Hillside, Ariz.

PSI

161 Judson Harold Whitman, Peoria, Ill.
162 Edward A. Zerula, Whitehall, Mont.
163 John Bartlett Calkins, Spokane, Wash.
164 Charles Virgil Campbell, Bonner, Mont.
165 William Harold Lehfeldt, Lavina, Mont.
166 Henry Jerome Seim, Granite Falls, Minn.
167 Thomas Kevin Shea, Butte, Mont.
168 Francis Marion Smith, Billings, Mont.

Letters from the Chapters

Alpha Planning Annual Canoe Trip

Once again it is time to write about our chapter. The chapter wants to extend its greetings to all of our alumni in the armed forces and to wish them the best of luck.

During the winter quarter we had a very outstanding professional meeting at which Dr. Sutton, physics instructor at the University of Minnesota, was the speaker. His talk was on "Gadgeteering in Physics." The interest shown in the lecture is displayed in the accompanying photograph. Dr. Sutton's demonstrations were very clever and he, himself, was in rare humor.

Other activities during the winter quarter were the usual Inter-Professional Ball and the Tri Tech formal. The Tri Tech was held at the University Club in St. Paul. Most of our recent alumni have had the pleasure of attending the "Miners Shin Dig," and I might add that Theta Tau has once again taken over the dance as far as quantity goes.

We are already planning our annual canoe trip. This is one of the affairs that all Alpha men hold in memory. More than once the affair has been talked over when Alpha men get together. It will be the usual jaunt from Taylor's Falls to Stillwater. The plans for the spring party are also underway, but no date, time, or place has been set as yet.

I have enclosed a picture of some of the fellows that make up our small but hearty group. Any alumnus can "plainly see" that Joe Geraci, Walt Miller, and "Tippi" Tyler are mixed in with the more recent fellows.

Now to tell you about the chapter personnel. We have fourteen actives, three newly initiated this winter—Dick DeLeo, Winston Bergoman and Warren Underwood—and five pledges. The new officers are as follows: Bill Beyum, Regent; Argan Johnson, Vice-Regent; Winston Bergoman, Treasurer; Warren Underwood, Scribe; Bud Hoerschgen, Corresponding Secretary; and Dick DeLeo, Inter Pro representative. The last named is not an officer but holds a very important position at Alpha. Our chapter advisor is Al Schlechten, Assistant Professor of Non-ferrous Metallurgy.

Yours in H & T,

ARGAN JOHNSON, Vice-Regent

Gadgeteering in physics by Dr. Sutton
First row: Joe Geraci, Bill Beyum, Dick DeLeo, Warren Underwood
Second row: Dick Mick, Argan Johnson, Harley Thorson, Walt Miller, Irving Matteson
Third row: George Bernard, Ed Tyley, Jack Moanes, Warren Anderson

Beta Makes Contribution to War Effort

Everyone will remember that eventful day, December 7, 1941, when the "Rising Sun" initiated her cowardly attack on the Territory of Hawaii. For us at Beta, it also symbolized our farewell to a favorite Brother, Brian Boru O'Neill. Brother O'Neill, an advanced army student slated for a commission in June, enlisted in the regular army and was stationed at Fort Leonard Wood, Missouri. In addition, Brothers Larry Barrett, J. DeBoer, and Colie Campbell graduated in March so that they might take positions in industry, and Brother MacArthur left for Rochester, Minn., to take advanced flying in-

struction. Beta, like many other chapters, will send a sizeable number of brand new 2nd Lts. into the ranks after June graduation.

To replace these men we have pursued an aggressive pledging schedule this spring. To date, our pledge list, not yet complete, numbers about twenty-five men. Since the fall Gear, Brothers Jack Bowker, Ray Dick, Wally Thomas, Norm Eddy, Roger Atkins, Ray Christensen, Bobby Robillard, Barney Timmer, Pat Kelly, and Bob Willard have been initiated. This brings our active membership to thirty-seven men.

Recent elections have placed Beta's leadership with the following men: Henry Haskell, Regent; Dale Wood, Vice-Regent; Bob Thomson, Scribe; Jack Wertzler, Treasurer; Jack Ruhl, Marshal; Bob Eddy, Inner Guard; Wendell Davis, Outer Guard; and Hal Borden, Steward. Brother L. F. Duggan still lends his kindly words of advice as faculty advisor.

Our new regent, Haskell, was deservedly honored this past year by election to Tau Beta Pi and Blue Key. Other Beta men initiated into Blue Key were Les Wahl and Bob Dorr. Tau Nu Tau, honorary military fraternity, pledged Brother Hugh McPhail, Bob Eddy, Henry Haskell, and Butch Davis. One of the other honoraries, Alpha Sigma Nu (Met.), selected Brothers Kubilius, Dorr, and Bob Eddy for membership.

As usual, we have had our share of good times this past year. In support of the Tech Winter Carnival, Brothers Wahl, McKeughan, Coffey, Thomas, Jahnke, Clements, and Donovan portrayed life with "Heetler" and "Mussolini" with the aid of some very clever rubber masks. The boys really brought down the old movie house with their act for which they won first prize in the "dramatic" competition. Work and the carnival went hand in hand for the many H & T's in the house and we don't mean school work. To make matters worse, we took time out to entertain sixty ski enthusiasts visiting the Copper Country from Rockford College. No use saying anything, things were just like you are imagining them. The boys came out of this double dose of extra-curriculars just in time to boost the old averages before the end of the term.

Any discussion of this year's very successful winter carnival would be incomplete if no mention was made of the very fine work done by Colie Campbell as general chairman. He inspired the members of Blue Key to get out and round up some $421 for the Red Cross War Fund. Oh yes, Brother Campbell is a most remarkable person. He has also found time to play bridge and just "talk" with a certain "hardware heiress" who lives a few doors away. We could also comment on this busy lad's achievements as a barber. Townspeople feared that a new Indian tribe had been turned loose in town but it was really nothing more than a few of "Joe Barber's" victims who had been forced out of hiding.

All reports from Brothers Barrett and Walker seemed to indicate that an H & T convention is truly something to attend. Complete amazement of the bigness of St. Louis and Chicago kept our small town delegates awed throughout their journey. The convention itself brought out some very useful suggestions and changes which the chapter has endeavored to put into effect. We are particularly interested in the proposed pledge manual. Neither Barrett nor Walker could seem to say enough about the fine bunch of fellows H & T men represented at the convention. The highlights of the journey included the journey through the Budweiser plant (brewery)—yes, there were samples.

We aren't quite sure but there seem to be some untold details of New Year's eve which our two brothers spent in St. Louis. It seems that Brother Barrett had "family" connections which led to an involvement in a party, the only trouble was that only one date was available for both men—we wonder what Brother Barrett did for a date.

The southern accent, and its "you-all" complex is just beginning to be dropped from

Intramural champs, 1942

Rockford comes to Houghton

conversations. We all envied them, but we're glad that the chapter was able to derive so much value from the convention.

The climax of the whole trip was, of course, the presentation of the Erich J. Schrader award to Brother Barrett, who accepted it on behalf of the chapter. We are proud of the award and hope to be able to live up to its significance. We realize that it isn't so much the present active men, but the alumni of the past two years, whose efforts and zeal built the chapter up to its present position.

Yours in H & T,
J. C. DeBoer
Corresponding Secretary

March 10, 1942

Gamma Impatient to Try Out "Kissing Machine"

GOLDEN
COLORADO

Greetings from Gamma Chapter. Only two more months till twenty-five seniors from Gamma Chapter will receive traditional silver diplomas. Due to the war the Colorado School of Mines is graduating its seniors one month ahead of schedule, eliminating the Annual Senior Trip which usually took place in May. On May 1, Brothers Seeman, Talbott, Bouman, Lathrop, Moe, Kiersch, Keil, Evans and Bowie will receive commissions in the United States Army Engineer Corps.

The officers for the current semester are: Regent, Lee Talbott; Vice-Regent, Richard Moe; Scribe, Bill Bouman; Treasurer, John Seeman; Corresponding Secretary, Robert Evans; Marshal, John Petty; Outer Guard, Kenny Ward; Inner Guard, Richard Leonard; Adviser, Prof. M. I. Signer.

There are thirty active members and thirteen pledges in Gamma Chapter at the present time.

On December 12, 1941, Gamma Chapter initiated Brothers Frank Kendrick, Eugene Smith, Don Eden, Ralph Blair, Bob McPhee, Charles Muller, Joel Moss, Ted Stockmar, Bill Shelton, Bill Harris, Wallace Chapla, and Ross Fredrickson. The initiation was held at the Albany Hotel in Denver and was followed by a dinner and dance. Outstanding honors conferred upon members of Gamma Chapter this year are as follows: Brother Dick Moe was selected for the second consecutive year on the Little All-American Football Team. This big 220 pound boy from California was considered one of the outstanding players in the Rocky Mountain Region for the last three years. Brother John Seeman was chosen as the Cadet Colonel of the R. O. T. C. Regiment and is living up to his selection by showing outstanding military qualities. Brother George Kiersch heads the second battalion as Cadet Major and Brothers Dick Moe and Walt Keil are Cadet Captains. Regent Lee Talbott was unanimously selected for the second consecutive year on the Rocky Mountain All-Conference Basketball Team and Brother Bill Bouman was put on the second team. Brother Dean Thompson also completed his third year on the varsity basketball team and his team play will be sorely missed next year.

Last week Gamma Chapter pledged 13 prominent men who have been active on the campus. They are as follows: Del Redding, Tom Phipps, Gene Volpi, Bob Keil, Mike Hunt, Howard Smith, Fred Aldrich, Bob Everett, Robin Anderson, Bob Kenny, Chuck Trimble, Bill McNammar, and Jack Penn.

On March 21, Gamma Chapter is holding

Gamma Galaxy

Bouman — Talbot
Moe
Leeman — Kiersch

its annual dance at Guggenheim Hall. The dance promises to be outstanding for three reasons. First, because it will be a Bowery Dance; second, because a $1.00 defense bond will be given for the best costume; and third, because Prof. Paynter's Electrical Kissing Machine will be in operation. One cent will be taken off the admission charge for every point scored on this unique machine.

Yours in H. & T.,

W. H. Boeyseman, Scribe

March 10, 1941

Delta Sells Defense Stamps

At the time of this writing, I was afraid that there would be little news from Delta Chapter that might be sent to you, but upon investigating the matter, I came to realize that our Delta brothers have not been sitting around resting on their laurels, but have been glorifying themselves and the chapter by their efforts.

Elections for most of the honorary and important campus positions are in the near future, and the outlook is promising. Last Wednesday junior class nominations were held, and the following Theta Tau men were nominated: President: Art Tatman, Orris Morgan, Dick Panek, Bob Leachman, Chuck Mlakar; Vice-President: Dick Smail; Senator: Ed Cockrell, Jack Niederhauser, Bill Wuchmeyer, Johnny Nielson, Bert Crow, Chuck Mlakar, George Sowers, Les Symes, and Dave Heppert; Secretary-Treasurer: Cammy Poffenberger, Les Symes, George Sowers, Bob Roth and Walt Mlynko.

Tau Beta Pi elections are next week, and several of the Theta Tau juniors will undoubtedly be chosen. Leachman, Symes, Mlynko and Nielson will soon appear before the Board of Publications, which is made up of five faculty members and six students, four of whom are Theta Taus, in an effort to attain the important publications positions.

At the Honor Day assembly April 11 Ed Rapp, Ed Wright, Ivan Greenwood, Bob Schulke, Chuck Mlakar, and George Sowers will receive honor keys. Art Dana and Dave Nusbaum received their keys last year. Sowers, a junior, has 41% more points than are required for a key. Very few men receive even the necessary number of points by the end of their senior year, and fewer still in the junior year.

Eta Kappa Nu, electrical honorary, recently initiated Carl Schunemann, Bob Leachman, Art Tatman and Johnny Nielson. Rodney Miller, Dave Heppert, and Orris Morgan were recently elected president of their respective social fraternities.

The school has formed a War Activities Committee, consisting of three students and several faculty members. Art Dana and Ed Wright are two of the student members. The committee is controlling and unifying all activities on the campus pertaining to civilian defense, and Theta Tau has been given the job of selling Defense Stamps and Bonds.

Delta Chapter men are also prominent in sports. On the wrestling team at the Interstate Meet are Art Tatman, Dave Heppert, Ken Killian, and Art Klingel. Our swimmers are Bob Kamper, Walt Mlynko and Cammy Poffenberger. Merv Rowley is captain of the fencing team. Bert Crow, Irv Copland, and Don Taylor are on the basketball team.

The employment prospects are almost unlimited this year, so most of the seniors have jobs or have joined the Naval Reserves.

There have been many excellent speakers at recent meetings. Dr. Summerfield of Cleveland's University Hospital talked on marriage from the outlook of a medical man and shortly after this Judge Silbert of the Common Pleas Court presented the legal aspects of marriage and divorce. John Shea of the Newspaper Enterprise Association spoke on "News Pictures in Wartime." Swimming coach Harry Kyr showed the movies of Case's successful football season.

Delta Chapter had a barn dance and hay ride early last winter and all the members are looking forward to another of our successful social events. Soon the election of our sophomore pledges will take place. At their initiation a large illuminated replica of the pin will be used. This was designed by Ed Hudec and constructed by George Sowers.

We have not had election of next year's officers as yet, but here is the list of those presently in office: Regent, Arthur W. Dana; Vice-Regent, Frederick Thompson; Scribe, Edward G. Rapp; Corresponding Secretary, John B. Thoman; Marshal, Robert I. Strough; Treasurer, Lawrence E. Greene; Inner Guard, Ivan A. Greenwood; Outer Guard, L. Burton Hitchcock. The chapter adviser is Professor Milo S. Ketchum. There are 46 actives and no pledges.

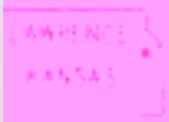
Yours in H. & T.,

Edward G. Rapp

March 4, 1942

Epsilon Starts Semester with Steaks and Steins

The spring semester has been an auspicious one for Epsilon thus far and events on the agenda indicate that it will be even more successful from here on. We started off with the well known bang the war strategy now being pursued there. As is our custom, elections were held following the Open House. At this meeting we chose twelve men to carry on H & T with and after us. The new members are: Bob Hongola, Frank Chaney, Pete Gonter, Bill Somerton, Geo[illegible] Larry Egiston.



Caplan, Chaney, VandrHoef, Geiser
Uren, Hamilton, Isbell, Russell, Anderson, Dunn
Leith, Treve, Newman, Spaan, Larson, Haney (hiding), Heller, Hongola, Bogard
Nackowski, Burtchsell, Cox, Thomas, Greenlee, Benson
Dean McLaughlin, Cathcart, Carlton
Crittenden, Halsey, Scobey, McGrath, Gey

Left to right: Crook with Hub Nail Hop Queen, and Harrod and Lichty with their dates

nessed the crowning of our candidate, Delta Gamma Jean Bassett, as queen. We are sending invitations to all engineer underclassmen for our annual smoker. Since the engineering school plans to operate on a all-year-round basis, we plan to keep the house open and operate actively during the summer.

Yours in H & T,

FRANCIS DUMBWOOD, Scribe

March 9, 1942

Theta Pleased to Acquire National Officer

Again it's time to report to THE GEAR on the status of the activities of Theta Chapter. It seems like such a short time since our last report and yet there is quite a bit to write about.

Well, we carried out our winter initiation and twelve new members were inducted into our ranks. The formal part of the ceremony was held in the Harrington Room of the Engineering Building following the customary short quiz. We then retreated to the Zum Brauhaus for some fancy eating and drinking. The above place was chosen because of the proximity of the "stuff" and to see if the new members possessed that peculiar quality that distinguishes the older men—and they proved themselves. The spirit of Theta Tau was quickly accepted by the following men who within a short time became an inseparable part of our Chapter—Joe Anderofsky, John Helm, Sam Higginbottom, "Min" Kiachif, Joe Lesner, Alex Leon, John Madigan, Tommy Maher, Larry O'Neill, Pete Pietranroni, Don Snavely, and Dick Steinchneider.

Since our last report there have been no additions in Tau Beta Pi; only Griffiths and Plosl share this honor at present. Joe Anderofsky is the Major of nine other Dumbells, six of whom—Amoroso, Brown, Feierabend, Griffiths, Lesner and Plosl—are Theta Taus. This honorary senior society is limited to twelve members and as a result of some inside information I can say that at least eight will be recruited from our ranks this spring. Don Snavely was Columbia's only bid for All-America football honors since Sid Luckman, but a knee injury forced him to retire from the game before this could materialize. He has also been President of the First Year Class and member of the Student Council. Alex Leon is President of the Second Year group. Gabe Amoroso and Russ Van Metre are Presidents of the Student Chapters of the Am. Soc. Civil Engineers, and the Am. Soc. Mech. Engineers, respectively.

Theta now has the distinctive honor of representation on the Grand Council by virtue of Brother Hinckley's recent election to the office of Grand Outer Guard at the St. Louis Convention. Grand Regent Glass visited Columbia especially to conduct the installation ceremony of our Assistant Dean. The ceremony followed a dinner in John Jay Hall. A luncheon was held on the next day in honor of Brother Glass.

The Chapter has had two informal dances (broom dances were ruled out by unanimous

vote) so far to which prospective members were invited with a view toward developing new acquaintances. We recently had a smoker for the same purpose, and it looks as though we'll harvest a good crop this spring. We also had a bowling party a short time ago, but that's all I will say about it, for most of us are in the lower score brackets.

I suppose that some predictions as to the status of the chapter in the accelerated program would not be out of order, but I won't commit myself on this matter. I will say that at least twenty-five members will start the new school year in June, and the future is by far more certain than when only thirteen actives took over last fall.

Yours in H & T,
GABRIEL AMOROSO
Corresponding Secretary

March 18, 1942

Iota Convenes With the St. Louis Alumni Assn.

Iota Chapter, on January 23, met with the St. Louis Alumni Association in an attempt to foster closer contact with the alumni in our district. As it was between semesters, it was well attended by the actives from Rolla and quite a few of the alumni. Grand Vice-Regent Nunner expressed his pleasure at the good turnout, and it really was a nice affair. Let's go all out on this proposition fellows—it's really good to know the old boys!

The Fifteenth Biennial Convention in St. Louis on December 29-30 was not only well attended, but things really moved along. Regent Bob Stowell and Bill Busch were our delegates, and Stowell was awarded the honor of the second most active delegate in attendance. Pi Chapter presented us with a plaque in recognition as the host chapter. Jack Thorrez was initiated into the chapter at the convention, our regular initiation having been held on December 11.

We think we have something here fellows! Iota has begun the practice of buying a defense bond per month for the duration. We hope that other chapters, if not already doing so, will follow suit.

The present officers of the Chapter are: Regent, Robert Stowell; Vice-Regent, Clarence Stevens; Scribe, George Bradshaw; Treasurer, Otho Self; Marshal, Gordon Engle; Inner Guard, Kent Comann; Outer Guard, Robert Eck; Corresponding Secretary, Ralph Ruwwe; Dr. C. V. Mann is our chapter advisor. However, we will hold election of officers on March 12, as most of the present officers will graduate this spring. Our chapter now consists of 45 active members, with some 20 seniors leaving this spring. About half of these are to join the Army as Commissioned Officers through their connections with the R.O.T.C. Due to the date of graduation being moved forward to May 1, we are holding our Smoker on March 8, and will pledge about 15 men at this time.

Our Founder's Day meeting was held on February 5 followed by a small informal banquet. We are having our spring dance April 17 at the Grotto Club a few miles outside of Rolla, the site of several of our former dances.

Iota sends their regards and best wishes to all chapters.

In H & T,
RALPH RUWWE, Corresponding Secretary
February 28, 1942

Lambda to Operate 12 Months of the Year

Greetings from Lambda! This has been a banner year for Lambda, at least so far. Due to the Army, we had a very weak start, but with such officers as Rulon Callister as Regent, Wilbur Matthews as Vice-Regent, Fred Bagby for Scribe and Bill Spencer for Treasurer, it did not take Lambda long to hit the old road to success. Our faculty advisor, George Carter has also been a great help to us this year with his continual advice and interest.

Lambda now has thirty-seven actives. It is about the largest that the chapter has been in recent years. With such a large membership, the actives of the chapter have been broadened. This year Lambda has inaugurated a bi-monthly luncheon in the student Union Building. This has proved to be very entertaining and is a great success.

Another innovation has been the speakers which the Intermountain Alumni Association of Theta Tau has been sending to our meet-

ings. These speakers, all alumni of Theta Tau, have added much interest to our meetings.

This year the alumni association has given its first scholarship. It was won by Carl Bergman. The presentation was given at the Association Banquet held two weeks ago.

With the speeding up of graduation this year, the election of officers will be held in two weeks and then comes the big night of the year for all Lambdas, our BIG FORMAL! Incidentally, it will be the same night that the seniors will finish their schooling, so it will be a real blow-out. Howard Grundfor is chairman of the committee and he and his group are really spending lots of time to give us all a good time.

Now that school will continue the year around for engineers, Lambda has decided to keep running for twelve months, so this summer will see this chapter running as usual.

Yours in H & T,

FRED M. HAMMAN

March 11, 1942

Mu Stronger Than Paul Bunyan

Greetings from Mu Chapter, at the moment recuperating from one of the best St. Pat's Day celebrations in years. It might be just a coincidence—not to admit the possibility would be bragging—but of the fourteen members of the St. Pat's Committee responsible for the success of the celebration, ten, including all officers, are Mu boys.

As a matter of fact, St. Pat's Day turned out to be pretty much of a Theta Tau Day, with Mu men in the front in each of the phases of the day's activities. Ruling over the celebration was Holt Rast, one of our most illustrious brothers, as St. Pat, and keeping the crowd laughing was John O'Leary as the Jester. Our boys made a clean-sweep of the prizes: Regent Bill Jordan received the Theta Tau cup for the most outstanding graduating senior, Julian McKinnon received the A.I.Ch.E. award for the outstanding chemical engineering senior, Pledge Bill Sanders received the Tau Beta Pi award for the sophomore with the highest scholastic standing, and Jim Dwyer received the Edgar Boyd Kay prize for the junior with the highest scholastic average.

As part of the morning's activities, Theta Tau held public tapping exercises, at which time the following men were tapped—but well—: Jim Cumming, Carl Farlow, George Finkbeiner, Russ LeRoy, Art Lukens, Fred McFarland, Ted McKinky, Felix Moss, Murphy Owen, J. V. Rives, Bill Sanders, Roy Sanders, Bill Sawyer, John Slovar, Robert Whitehurst, and Ed Lyle.

Our new pledges, along with several other prospective candidates, were entertained by the chapter recently at a smoker, which was refreshingly novel in that there was no formal speaker of the evening. Instead, committee chairman Elon Ellis had arranged a most entertaining program, featuring a campus magician and an inter-departmental quiz contest.

As usual, Mu men are ruling the roost in almost all of the organizations of the engineering campus. Brother McKinnon is president of the A.I.Ch.E. student chapter, Louis Austin is president of the A.I.M.E., Jack Edmonds heads the A.I.E.E., Bill Miller presides over the A.S.C.E., Jim Dwyer is chairman of the Engineers' Council, and Ed Lear wields the Tau Beta Pi gavel. Brother Bill Long is president of the Student Association of the University, the first engineer ever to hold this coveted office.

In the other organizations, Theta Taus are:

Holt Rast, St. Pat; Bettye Williams, Queen; John O'Leary, Jester

Crow, McCollum, Chudy

Kirkis, Johnson, Rast, Pickens

also playing a major part. Twelve of the eighteen Tau Beta Pi actives, and all officers, wear our badge, and two others were recently tapped and are awaiting initiation. Twelve of the twenty members of the Engineers' Council are Theta Taus, and here too our men hold all offices. Three of our men wear the key of Gamma Sigma Epsilon, and Jim Dwyer is Grand Alchemist-elect.

With the founding of the "Rams Beam" our new College of Engineering publication, Mu men are displaying previously latent journalistic abilities. A large percentage of the magazine, both technical and non-technical articles, have been written by our members, and trying to see that they make the deadline is Jim Dwyer as Copy Editor of the magazine.

And that's about all that Mu has been able to do since our last letter, but there are still two months left in the school year, and we have quite a few activities planned so as to finish up on a high note.

Best wishes to all.

In H & T,

Jim Dwyer
Corresponding Secretary

March 11, 1942

Nu Men Hold Top Spots

PITTSBURGH
PA.

Greetings from Nu Chapter. Nu Chapter has attained unusual prominence on the Carnegie campus this year. Tau Beta Pi numbers no less than nine Theta Tau undergraduates among its members, and the brothers have practically monopolized the staff of the Carnegie Technical, the school's monthly technical publication. In the A.S.C.E., Theta Tau men have for the second consecutive year swept three of the four offices. In many other activities and sports on the campus the members of Nu Chapter have been active.

The chapter at present is made up of 31 actives and seven pledges. The officers are: William Hanna, Regent; Matt Reynolds, Vice-Regent; Wallace Beckstrom, Scribe; and John O'Brien, Corresponding Secretary. Brother Leo T. Lawler is Advisor, assisted by Past Grand Regent John Daniels, who also acts as Treasurer of the chapter.

The tutoring program for worthy freshmen is proceeding according to schedule. The selection of a senior to receive the Theta Tau Award for the Most Promising Senior Engineer is now underway after extensive revision in the method of selection. This year a full page of the "Thistle," the Carnegie Yearbook, is being devoted to explaining and publicizing the award.

Three Nu men, Brothers Daniels, Hanna and Williams, attended the National Convention at St. Louis last December. Judging from Brother Hanna's report, they were shown an excellent time there, but it did not compare in any respect with Brother Levy's report on the Chicago Convention of two years ago, which was really a whipperdoo. This report is now a legend in the history of Nu Chapter.

One of the most amusing incidents of the year occurred when Brother Webb Jones, the younger part of Nu's father and son combination, decided that a ski rack on the top of his car would come in handy on his frequent skiing trips. Since the addition of the rack to the family car, the Jones' household has been swamped with calls for paperhanging jobs. Webb has been awarded the unofficial title of "Wallpaper Engineer" by the rest of the boys.

A very welcome face at a recent Nu Smoker was that of Al Minetti, Nu '41. Al is still a very familiar figure around the campus, despite the fact that the date of his graduation

might seem like ancient history to many of the brothers now. At every game, when the cry, "We want Al" goes up, he is always there to lead a cheer for Dear Old Tech. He says that he missed a game once, but nobody seems to remember when. Al finally got his reward this year, when at the Pitt basketball game he was awarded a letter for his outstanding contributions to school spirit. It is too bad that more alumni cannot show some of the spirit that Al Minetti has been displaying for years.

Yours in H & T,
JOHN T. O'BRIEN
Corresponding Secretary

March 9, 1942

Omicron Men Work on Iowa Transit

Omicron has practically filled the house but the drive for new pledges still continues. We now have thirteen actives and seven pledges, with Gene Hogan as the pledge captain. We don't know how long Mr. Hogan will be with us as he and the local draft board are having quite a feud. One active, Verne Anthony, graduated on February 1.

Alfred N. Holmberg is now the Regent; George C. Fewson, Vice-Regent; Roman T. Potthoff, Scribe; George Lutz, Steward; and James F. Petrik, Corresponding Secretary. Professor J. W. Howe is our faculty adviser.

Last fall we had three successful radio parties and the house was really decorated to perfection for our semi-formal fall party of December 6. The spring radio parties started February 28 with a bang, the popping of balloons causing said bang.

On the 23rd of February, Omicron had a welcome visit from Brother Jens Norgaard, Omicron '41, who is in the Army Air Corps. Brother Norgaard received his wings January 9 and has been stationed at Reno, Nevada, taking special training in the piloting of twin-engined planes. He is now stationed at Jackson, Mississippi. Last year, Brother Norgaard was the efficient and capable slave-driver to, look out, Japs!

Omicron has four Advanced Military Students at the present time: Brother Potthoff, who is a senior, and Brothers Holmberg, Kinkade, and Lutz, who are juniors.

George Lutz seems to be quite the busy fellow. Besides being Steward, George is Secretary of the A. S. of E., Associate Editor of the *Transit*, Secretary and Treasurer of the Hawkeye Flying Club and a member of the Pontoniers. Among others interested in outside work are Ed Slinder, who is on the *Transit* staff; Al Holmberg, who is Associate Editor of the *Transit*; Bert Blakely, who is the Assistant Business Manager of the *Transit*; and Roman Potthoff, who is President of the Senior Class and Business Manager of the *Transit*. Potthoff and Lutz are also on the *Transit* Board.

Our golf star, Ed Larsen, had the misfortune of needing an appendectomy a few weeks ago, but is now up and around as though nothing happened.

Instructor C. J. Kippenhan was married last December and hasn't been seen around the chapter house very much, since. Nobody blames him too much, however.

Yours in H & T,
JAMES F. PETRIK
Corresponding Secretary

March 8, 1942

Pi Still Working for Furniture

During the past term, the majority of Pi Chapter has been hitting the books pretty hard, but there were always a few who managed to whirl off over the weekends to nearby colleges to see their OAOs. Among the highlights of this drab winter term were four boxing matches, Virginia being the victor in three of these, one of the famed Engineers' Brawls (which incidentally was one of our best), and the Mid-Winter Dance weekend. Brother Ken Rathbun, in his last year of varsity boxing, captained his team to a most successful season, marred only by a loss to Wisconsin's powerful team.

We were very pleased to find that Brothers Roland and Sgroi of Tau Chapter were fighting here when the Syracuse team visited this university. Some of the members brought Brother Roland around to the house after the match, and he attended our rival fraternity's rush party with us. We all enjoyed having

him with us, and look forward to seeing both of the boys here March 6 and 7 when the Eastern Inter-collegiate Boxing Tournament is held in our gymnasium.

With the rushing season opening next term and school elections coming up, we are planning a large-scale campaign. We hope to be able to do as well as we have in the past. We are still trying to squeeze money from every possible source to complete the refurnishing of the chapter house. Now that Trigon, our rival fraternity, has a house, Pi will have to do some fancy rushing to get the cream of the freshman crop, but we are confident of our ability.

After hearing the report given by Brother Borden on the National Convention, we feel that it was a huge success. This chapter will endeavor to follow the advice of the Executive Council given us through our representative. Congratulations to Beta for winning the Schrader Award.

At this point, we wish to invite all brothers in this vicinity the weekend of March 27th to attend the second of our Engineering Dances. We will do our best to show you a good time.

In H & T,

JAMES E. MAY, Scribe

March 10, 1942

Rho Knows What the Governor of North Carolina Said

Greetings to all active and alumni members of Theta Tau from Rho Chapter. Rho is steadily pressing forward in what looks to be a most successful and active year.

On Thursday, January 22, fourteen of the outstanding engineering students at State were formally initiated into Rho Chapter of Theta Tau. This was followed by a get-together at the Town House. The following men were initiated: R. P. Ausman, W. L. Corbin, R. Eppes, E. H. G. Farthing, S. S. Ferebee, W. J. Goodrum, W. G. Graves, W. J. Hecht, K. J. Hetherington, Tommie Hughes, J. F. Kelly, R. S. Kelly, R. E. Nicks, Jerry Stockard.

The high light for the year was the annual banquet held at the Virginia Dare Ballroom of the Hotel Sir Walter, Wednesday evening, March 4. This was in honor of the new men taken into Rho Chapter this year. The Honorable J. Melville Broughton, Governor of North Carolina, was the principal speaker. Singing, tap-dancing, and music were furnished by students from Meredith and State College. Brother Bryant was an excellent Master of Ceremonies. The tables were arranged in V-formation—the sign for victory. About sixty people were present, half of this number being very attractive young ladies. The Governor's address was followed by dancing and serving punch.

Plans are underway for making a large model of the Theta Tau Pin. Some of our Brothers are working on the alumni files, getting them up to date.

A smoker was given last week, at which time several of the outstanding professors on the campus were present. We are to take in two advisers in the very near future. Different professors have given talks at several of our meetings this term. At present we have thirty members in the fraternity. The whole

Top and center: Rho party
Lower: Governor Broughton, Regent Starkey

Front row: Hughes, Gray, Williams, Sturkey, Spencer, Luke, Johnson, Ferebee.
Second row: Ankers, Stout, Kendall, Brown, Light, Sibert, Humphreys
Standing: Farthing, Eppes, Hecht, Kelly (Ray), Kelly (Jim), Goodrum, Graves, Corbin, Nicks, Autman, Hetherington, Stockard

chapter is co-operating to the fullest extent in attempting to pledge several more men before the end of the present school year.

The officers leading us this year are: Regent, J. M. Sturkey; Vice-Regent, B. F. Spencer; Scribe, P. E. Stout; Treasurer, W. E. Bryant; Corresponding Secretary, W. A. Brown; Inner Guard, L. C. Williams, Jr.; Outer Guard, T. W. Lambe and Marshal, E. L. Light.

Primary campus elections were held this past Wednesday and the final elections will come off March 26. Theta Tau men are well represented in the elections, and have an excellent possibility of coming out on top. Several of our brothers will be president of their prospective engineering societies and honor fraternities for the next year.

At the present time we have four brothers in Tau Beta Pi, twelve brothers on the Engineers' Council, three brothers in Pine Burr, two brothers in Eta Kappa Nu, three brothers in Sigma Pi Alpha, one brother in Phi Eta Sigma, two brothers in Gamma Sigma Epsilon, one brother in Scabbard and Blade, and two brothers in Mu Beta Psi. Members of Theta Tau are represented in several other organizations on the campus.

Several of our brothers will be active in spring athletics—track, baseball and tennis.

Early graduation will take a heavy toll in May. Most of the seniors of Theta Tau will go into service for our country in the Army or Navy.

We plan to have an election of new officers soon, and we hope we can pick as good men for next year as we did for this year.

Yours in H & T,
PAUL E. STOUT, Scribe

March 7, 1942

Sigma "Wolves" Don't Work Alone

As I take account of the events since the last publication of THE GEAR, I would say that Sigma really has some news to report not only to the national chapters, but also the alumni members.

To start off, I might say that our Homecoming Dance was enjoyed by all; however, we had hoped to see more of our graduate members. Everything went along very smoothly, even Will Maron's music; of course, Brother Given, our social chairman, had to forget the dance programs.

Following the Homecoming Dance, we had numerous house dances and finally climaxed the autumn quarter with our annual Christmas dinner with all the trimmings.

The men leaving Sigma at the end of the autumn quarter were Paul Rhoads, M.E., now working for G.M.C. in Detroit; Charles Sackett, M.E., with Goodyear Aircraft in Akron, and Ivan Spreitzer, I.E., who is in the artillery production control department in Washington, D. C. Word has been received from each that he enjoys his work very much.

At the beginning of the winter quarter, I found that most of the fellows were "swamped" with calculations for their steam engine designs

problem in Professor Norman's M.E. 728. Many of you alumni members probably have a very clear recollection of this course.

By the way, we had another house dance with a sorority. This time it was with the Phi Mu's on Duke Ave. The "wolves" not only worked alone, but also in pairs. The result was a monopoly. Everyone agreed that this was the best dance that we have had for some time; even Brother Given's punch was thirst quenching.

Last quarter each chapter was asked to make a fraternity plaque for a wall display at Henick's, the student "hangout." Although ours was not the first one to be finished we consider it to be the most attractive. It is essentially an enlarged badge of black walnut, similar to the large badge in our living room. For the pearls, the fellows used costume jewelry and a license plate reflector for the gem. The finished product showed very good workmanship and that many hours were required for its completion. The chapter expressed their appreciation to the following men who gave their time and effort toward this project: Ray Baker, James Whitsett, Dick Hall and Bill McCleery.

The newest addition to our living room is the rebuilt davenport. As many know this piece of furniture was in need of repair. Well, it has finally been repaired and is now in first class condition. The color of the piece is red. Some of these house fines may now actually be enforced if it is used for sleeping purposes. The credit for this improvement goes to the Wives' Club for they financed the entire job. The chapter says, "Thanks a million."

Last week our close friend and Brother, Jack Dumbauld, showed the chapter several reels of colored movies. The subject matter was "Bridges — testing and construction." Having taken the picture he should receive many compliments for they are the "tops."

Our newly elected regent is another M.E. fellow, Robert Reed, and is a Columbus boy. Long live the M.E.'s. Nominations for the other offices have not been made as yet.

Our newly initiated members are David Masson, Lorain; Thomas Shimrock, Cleveland; and William Kearney, Bay Village. At present we do not have any pledges but have twenty-five actives. Professor C. H. Wall is still our faculty advisor.

Alumni members, is this question running through your mind? Is the chapter planning for a spring formal? Yes, we are, and it is to be May 16th at the Scioto Country Club. More information about the dance will appear in the next issue of the Sigma News.

I hope that this letter has given you a fair idea what has been happening around the chapter which is still located at 1961 Indianola Avenue.

Yours in H & T,

William J. Walker
Corresponding Secretary

March 8, 1942

Tau Tells All

The highlight of the current year at Syracuse was the Annual Engineers' Dance sponsored by Tau Chapter. Defying superstition the dance was held at the Hotel Syracuse on Friday, February 13. Notable among the alumni present were Jack Cottrell, Bill Cowles and Ken Brown, all of the class of '41. Former Regent Brown, incidentally, will soon be married.

Grand Regent Glass paid Tau Chapter a visit on February 12, but could not be persuaded to stay over for the dance. Really, Brother Glass, the girls at Syracuse aren't bad. Regent Glass led an open discussion concerning possible plans for a house. A group of about 25 were on hand to participate in the forum.

At the Semi-Annual Initiation Banquet held in December at Tubbers Restaurant the following men were admitted to membership: Robert Boster, C.E. '43; Paul Berthold, E.E. '43; Richard Bornhurst, C.E. '42; John B. Dick, M.E. '42; Roy O. Malmgren, E.E. '42; Richard A. Baumgartner, Ch.E. '43; Robert H. Foster, Ch.E. '42; James E. Sullivan, A.E. '42; William F. Dalhiem, M.E. '43; Frederick Cammerzell, M.E. '43; Robert Lancey, Geology '42; Jack Kuhlman, A.E. '43; Wm. F. H. McCarthy, A.E. '42; Schuyler Jackson, M.E. '43; Eugene D. Britz, A.E. '43; Thomas Melville, M.E. '42.

Many of the seniors in Tau Chapter have already been placed in employment. As this letter is being written the following members and their prospective employers have been made public: Robert Dollard, A.E.; Charles Simon, E.E.; Paul Howells, E.E., Ray Barclay, E.E.; and Ellis Brown, E.E.; will be connected with the General Electric Co. The American Bridge Co. will employ Floyd White, C.E.; John J. Roland, C.E.; Robert Detor, C.E.; John C. Schantz, C.E.; Russell Brush, Ch.E.; and Thomas Melville, M.E., have accepted

positions with the American Steel and Wire Co. After graduation John B. Peck will be affiliated with the Wright Aeronautical Co. while James E. Sullivan will join the army as a Second Lieutenant. Richard Beerk, E.E., and Richard Landers, E.E., have left school to join the U. S. Signal Corps. They will return in June, however, to receive their diplomas.

Regent Floyd White was recently initiated into Sigma Xi, research honorary. Gene Brill, A.E., has taken over Dick Breed's E.E. job of treasurer. Dick Bornhurst, C.E., has been appointed General Chairman of the 6th Annual Regional Conference of the American Society of Civil Engineers to be held some time in April at Syracuse. Ed Dean, C.E.; Jim Carpenter, C.E.; Jim McFarland, C.E.; and Bob Detor, C.E., will aid him. Jack Roland, C.E., and Benny Sgroi, M.E., are holding down the 127 lb and 131 lb positions on Syracuse's Boxing Team. On the varsity wrestling team, Bob Boster, C.E., handles the 161 lb slot. Forsaking his football togs for a position on the varsity swimming team is Paul Berthold, E.E. Bob Dollard, weather permitting, will soon rejoin the baseball squad. Heading the newly formed Chapter of the Society for Advancement of Management is Jim Sullivan. Jack Ruhlman was elected vice-president. Fred Commerzell has been appointed to the position of air raid warden by the campus civilian defense commission. Active in the College of Applied Science Bowling Committee is Bob Foster, Ch.E. "Whitey" Hotze, E.E., has been helping out as a laboratory instructor in the electricity lab. Bill Terry A.E. will join the army in June. Tom Conley, Ch.E., has recently been admitted to Tau Beta Pi as have Bob Detor, C.E., and Jack Roland, C.E.

Preliminary plans for the 41st Annual Engineers' Banquet have already been made. Charlie Simon, E.E., is General Chairman and has set the date for April 18. The banquet has been sponsored by Tau Chapter for the past 11 years. We are looking forward to a good turnout of alumni at this year's affair.

The Annual Farewell Picnic, probably held in May, will close the current year's activities.

At present Tau Chapter has 41 members and no pledges. Officers include: Regent, Floyd E. White, C.E.; Vice-Regent, Charles Simon, E.E.; Scribe, John C. Schantz, C.E.; Treasurer, Eugene D. Britz, A.E.; Corresponding Secretary, Raymond Curtin, C.E.; Marshal, Russell Brush, Ch.E.; Inner Guard, Ray Barclay, E.E.; Outer Guard, Ross Gilmour, A.E.

Professor E. F. Berry is the chapter adviser. On behalf of Tau Chapter, I wish to extend best wishes to all chapters of Theta Tau.

Yours in H & T,

J. Raymond Curtin, Jr.
Corresponding Secretary

March 7, 1942

Upsilon Gives Up Its Fireworks

Upsilon chapter is looking forward to March 20 when all engineers on the University of Arkansas campus will celebrate Engineers' Day. Our annual fireworks exhibition will not be possible under the present war situation, for there will be plenty of excitement at the bonfire, breakfast, banquet, and dance.

Our officers are: Regent, Parker Helms; Vice-Regent, Stanley Gilbert; Treasurer, Harry Ragland; Scribe, Wally Oliver; Inner Guard, Charles Wayman; Outer Guard, Jack Seely; Marshal, Wally Hunton; Social Chairman, Wilbur Adcock; Corresponding Secretary, William Patterson; and House Manager, Wally Hunton.

On December 7, 1941 (Remember?) we held an initiation. New members are George Huffsmith, Cyrus Bond, Carlos Hendrickson, Raymond James, and Ray Toler. That evening we had a banquet in honor of the new members. Professor W. B. Stelzner, our adviser, and his wife were special guests.

At the present time we have twenty-three members and nine pledges. One of our pledges, Tom Logan, was recently elected Editor of the *Arkansas Engineer* for next year. Joe Weisiger, an active member, ran unopposed for Business Manager. We plan to hold another initiation in the very near future.

Our Christmas party was a "howling" success. The only members of the fair sex present were Mrs. Kent, our house mother and Mrs. Stelzner. We exchanged gifts and were served refreshments. Everyone soon forgot his troubles and had a big time.

February 18, Upsilon chapter in conjunction with Tau Beta Pi, opened the season with its annual formal dance. There is no need in saying that everyone had a wonderful time, because the Theta Tau formal is one of the biggest dances of the year on the campus.

Peyton Randolph, President of Tau Beta Pi and reserve officer, has been called to the armed forces and plans to leave soon. Peyton has

been a good member, and we surely hate to see him leave.

Other Upsilon members in Tau Beta Pi are Stanley Gilbert, Lang Wonley, and Dick Hall.

We are doomed to lose several good members this spring through the progress of graduation. Those leaving to seek their fortunes are: Parker Helm, Harry Ragland, Peyton Randolph, Stanley Gilbert, Charles Wayman, Dick Hall, Jack Seely, Earl Garner, William Patterson, Wallace Oliver, Wilbur Adcock and Burley Wilson.

Upsilon sends best regards to our Executive Officers, Founders, and all other members of Theta Tau.

Yours in H & T,

RAY TOLER

March 1, 1942

Phi Seniors Enter Armed Forces

Since war has been declared, Phi Chapter has had a few difficult problems. In order to have enough engineers and army officers for the service of our country, Purdue University has adopted a schedule in which there are three semesters a year. Our advisor, Professor Springer of the Civil Engineering School, has helped immensely in devising a plan whereby we can keep the chapter house open the year round. We do have another problem confronting us. In May the present semester ends, and another semester begins. We will need to get a large number of pledges to fill the vacancies left by our seniors. Nine seniors will graduate in May. Brothers Chrisman, Good, Glassman, and Miller will be officers in the Field Artillery upon graduation. Brothers Robinson, Schmidt, Stafne, and Swander will be Ensigns in the U.S.N.R. Brother Beckert is going to work for a company doing defense work. Our navy men belittle the army and the army men belittle the navy, all in a friendly spirit. It is apparent that Phi Chapter is doing things for the United States.

As to our scholastic rating, I am proud to say that our chapter ranked fifth among the thirty-five fraternities on the campus. We have advanced to a much higher position in this respect. Brother Charles Good and Don Chrisman had the highest indices of the preceding semester.

See postscript for details

On March 14, our annual spring dance is to be held. Everyone is planning to make it a success by having a date. In preparation for the dance, we are painting our chapter room and lounge and are giving the house a general cleaning. We'll have the Phi Chapter House in A-1 condition.

Two new members have been initiated into our ranks, and more will be initiated soon. This will swell the number of active members to twenty-two.

Brother Miller had his Model T, (or was it Z?) Ford at school this autumn. It is a super-deluxe model with a retractable landing gear and a variable pitch propeller. It has actually been timed doing thirty miles per hour. The car was in tip-top condition until one evening a group of pledges had an accident with it. They claimed that it didn't run properly. On a trip of 120 miles Brother Miller claimed it took him only five hours to reach his destination. It's hard to believe, isn't it?

The officers for the current year are: Regent, J. Vanderford; Vice-Regent, R. Casey; Treasurer, J. A. Logan; Secretary, H. L. Knotts; House Manager, R. D. Hanenkratt; Rush Chairman, R. J. Winner; Marshal, R. N. Isacks; Inner Guard, J. G. Ostlund; Corresponding Secretary, J. C. Kotarski.

With best wishes to all Theta Tau Chapters and men, I close this letter.

Yours in H & T,

JOSEPH C. KOTARSKI
Corresponding Secretary

P.S. I am enclosing this picture which shows Brother Miller's Model T and our dog "Blondie." In the driver's seat is Brother Miller. "Blondie" is sitting next to him. Brother Stafne is sitting on the rear platform. Brothers Good and Robinson, from left to right, are watching.

March 9, 1942

Chi Graduates 24 Seniors

This year of 1941-42 has been a very eventful year for Chi Chapter. Last fall we initiated the following new men on November 28, 1941: William Adams, James Frazier, Jim Garrott, William Kinney, Tom King, Carter Nelms, George Shelley, and Jim Taylor. In the Chapter we now have forty-two actives, from which the following twenty-four seniors will graduate this spring: Bob Agnton, Floyd Bluhm, Ted Brooks, Leonard Brown, Dave Currie, Al Diehl, Robert Epley, Jim Frazier, Jim Garrott, Leonard Hedgcock, Tom Holmes, John Johnson, William Johnson, Alex Knight, Oscar Lyon, Jack Lyons, Morton Pratt, Ed Rabogliatti, Merl Rich, Bob Stephens, Bob Stevenson, Jim Taylor, Bill Tizard and Horace West. This is the greatest loss of actives that Chi Chapter has ever had. A great number of these seniors are in the advanced R.O.T.C. course and automatically receive their commissions and are inducted into the army upon the completion of their fourth year. Merl Rich, a senior in Electrical Engineering, has been ordered to active military service immediately as he already has his commission in the Cavalry.

On Friday, January 16, 1942, our annual Stag Bridge Party was held at Prof. Borquist's house. Professor H. A. Jimerson, who is now with the Coast Artillery in the Philippine Islands has been host in the past and was missed this time keenly. The party was quite an affair as the average engineer's bridge game was very poor. Table prizes, consisting of defense stamp albums, were given to Bill Johnson, Tom Holmes, Dick Brittain, Leonard Brown, Floyd Bluhm, and Jack Lyons. A very enjoyable evening was had by all.

On February 24, 1942, we elected these new officers for the coming year: Ben Sullivan, Regent; Fred Sherman, Vice-Regent; Carter Nelms, Treasurer; Bill Stearns, Secretary; and Dick Brittain, Corresponding Secretary; Adviser, Prof. Borquist. These new officers took office on March 1, 1942, looking forward for another great year for Theta Tau and will try their best to do as fine a job as our retiring officers have done.

On March 3, 1942, we had an open meeting at which we invited prospective Theta Tau as guests. Dr. Hubbard, Head of the History Department, was the speaker of the evening and gave a very appropriate talk on "The Evolution of Democracy." At the close of the evening we had refreshments and a chance to get acquainted with the invited guests.

At the present time, a number of our men are working on the preparations for Engineers' Day which is held on St. Patrick's Day each year. The Engineering Council is ahead of the preparation and we are well represented on it with Eddie Rabogliatti, President; Dick Brittain, Treasurer; and Nelms, Rich, Brooks, Frazier, West, Agnton, Johnson, Tizard, Adams, as members. Bob Agnton is Editor-in-Chief of the Engineers' Day Wildcat; Dick Brittain is in charge of the picnic; and Ted Brooks is head of the ticket sales for the day. Theta Tau presents a cup to the winning baseball team from the various engineering departments. The engineers are all looking forward to a great deal of fun on Engineers' Day.

Chi Chapter's members have taken a very active part in the organizations of the various engineering departments and many have received honors. In the American Institute of Mining Engineers we have a good number of men with Ted Brooks as President and Bob Agnton as Secretary of the group. John Johnson is President and Bill Tizard is Vice-President in the American Society of Civil Engineers. In the American Institute of Electrical Engineers we have Ed Rabogliatti as President and Merl Rich as Vice-President. Horace West is President and Carter Nelms is Vice-President of the American Institute of Mechanical Engineers. In Tau Beta Pi we have Tizard, Brown, Frazier, Stephenson, Rich, Shelley, Brooks, Stearns, Myers, and King. Of these men, Frazier is President, Tizard is Vice-President and Brown is Recording Secretary. John Johnson is the Vice-President of the Student Body and a member of Blue Key. Merl Rich and Ted Brooks are also members of Blue Key, Senior Men's Service Honorary, and Dick Brittain is in the Chain Gang, Junior Service Honorary. Bill Kinney and Dick Brittain were recently made members of Scabbard and Blade, National Military Society.

This brings us up to the present, but we have many things planned for the last few weeks of this semester. We are to initiate our new men on April 18, followed by our annual dinner-dance at the Old Pueblo Club. The annual banquet honoring the graduating seniors will be held at the Pioneer Hotel a week before school is out.

Yours in H & T,

R. L. Brittain
Corresponding Secretary

March 10, 1942

Psi Coming to Life After Hard Winter

Greetings to all brothers of Theta Tau.

Psi is finally pulling through a tough winter, and we can vouch for the splendid opportunities we had to stay in close by the fire most of the winter. Since the temperature is up around the melting point of ice and the snow is only a foot deep in the hallways, we figure that maybe the cold snap is breaking up. That's Butte for you.

Among our visitors for the year we had some of our alumni serving in Uncle Sam's forces back to give us the lowdown. Ensign Thor Johnson was in to see us. He left here in the spring of 1941 to go into training as an Ensign in the U. S. Naval Reserve, and from what he told us, it is a nice set-up. We hope the rest of the boys are doing as well in their respective places. Tom Greene, '40, of the Army Engineers dropped in on us the early part of December. He chewed the fat with us for a while and then beat it back to Whitehall and got married before he went back. The lucky guy!! A few weeks ago, he dropped in again on his way East to an officer's training school there. Fred Pope, '39, of the Army Engineers also gave us a visit that will long be remembered by some of the boys.

Several house parties, held throughout the year, resulted in an enjoyable time for all, with pretty girls running hither and yon and such. Two of the parties were sponsored by the fraternity and were put on by the pledges. They took an active interest in the affairs and showed us all a good time. At the present, plans are in progress for our spring formal to be held next month, April 11. This event is to be held early this year because of an early graduation date set for the senior class. Graduation ceremonies are scheduled for May 9, which won't allow us to hold the party closer to our Founders' Day, May 7.

We were quite relieved to hear that two of our boys in the war zone were safe after the Jap attack on Pearl Harbor, December 7. Both Ensign Charles Lyden, U. S. Navy and Kenneth Stoddon, '41, construction engineer, were down in there pitching and are still doing so. If a copy of THE GEAR reaches them, we will take this opportunity to tell them to hold tight till the rest of the boys from here get down there and help kick the props out from under the so-called "rising sun."

Several of our boys are leaving this spring after graduation to join the forces of Uncle Sam. Those entering the Navy as commissioned Ensigns are Donald Berg, Daniel Winans, Millard Reyner, and Paul Ripley, all active men and graduating this spring.

Charles Beckstrom, '38, left in November to join up as an Ensign with the Naval Reserve. Of course, we are extending our heartiest well-wishes to them all and wishing that we were in there with them.

A few more of the boys went over the matrimonial barb-wire lately. They are, in order — Charles Beckstrom, Millard Reyner, and Tom Greene. Also a rumor floated in that Brother Dee Loughridge and wife are now the proud parents of a baby girl. Cigars are due from all these aforementioned persons. We're waiting boys!

James McMahon, our chapter Inner Guard, topped the school honor roll last semester. Jim raked down a 2.80 grade index on his senior curriculum and that's climbing towards the top in any school. Quite a few of the boys were hovering right around the top with him, too. Millard Reyner, our Vice-Regent, came out with a 2.68 index. Oh yes, we're a bunch of brainstrusters at this blizzard rendevous!

Because of the early graduation, the boys are really being pushed around. If the seniors hold up on their legs until it's over, they are better men than they give themselves credit for being.

Despite these bewildering hazards aforementioned, the chapter has been very active. Two initiations have been held since the fall issue of THE GEAR. The following men become active: Judson Whitman, Peoria, Ill.; Edward Zerula, Whitehall, Mont.; Francis Smith, Billings, Mont.; William Lehfeldt, Lavina, Mont.; Jerome Scim, (graduate student from St. Olaf College) Granite Falls, Minn.; Charles Campbell, Bonner, Mont.; Tom Shea, Helmville, Mont.; and John B. Calkins, Spokane, Wash.

The chapter now consists of 28 actives and 17 pledges.

The officers that have guided us the past year are: Regent, Carull Ward; Vice-Regent,

Millard Reyner, Edward Zerula, Bill Sulloway, Paul Ripley

Millard Rayner; Treasurer, Don Berg; Scribe, Ray Kujawa; Marshal, Jim King; Inner Guard, Jim McMahon; Outer Guard, Clifford Barkell; Corresponding Secretary, William Slosson. Our chapter advisor is Dr. G. L. Shue of the Mathematics and Physics Department.

Election of new officers for the coming year is set for March 17, 1942. We have a splendid group of men to choose from, and we know that it will be no chore at all to get a bunch of leaders to uphold the standards set up by their predecessors.

New pledges added to our roll are as follows: Clinton L. Miller, Coeur d'Alene, Idaho; Clarence Wells, Jr., Anaconda, Mont.; Charles J. Lindstrom, Stratford, Conn.; Stanley Olsen, Glendive, Mont.; Clarence Swanson, Bonner, Mont. We are very glad to have them with us.

Two of our men left us at the semester end. Clarence Schrader, an active, is now mining at the Tramway Mine in Butte, and Ed Settle, Secretary-Treasurer of the sophomore class, joined the U. S. Parachute Troops. We told him to be sure to drop in on some of the boys wherever he might find them, so don't be surprised to find Ed roosting on your chimney some morning. At least you can't say we didn't warn you. Ed was one of our outstanding pledges, and we hated to see him leave.

Well, fellows, I'm running out of patience with this typewriter so I'll quit and gather up the boys to go out and drill a few rounds in some Japs. You had better run like hell because we are spitting a short fuse! Keep the steel hot and we'll be seeing you.

Yours in H & T,

WILLIAM L. SLOSSON,
Corresponding Secretary

March 16, 1942

Omega Is In High Gear For the Duration

RAPID CITY
S.D.

Omega Chapter sends greetings to all Theta Tau men.

Glen Miller reigned as the 'Juke Box King' at our first mid-semester dance. Omega has hopes of making this an annual affair. Some of the fellows unofficially dubbed it the 'flunk and forget dance.'

During the Christmas holidays brothers Gamberg and Olsen attended the National Convention of Theta Tau at St. Louis, Missouri. At a recent meeting Brother Olsen gave a very interesting report covering both

First row: Van Auken, McGarvie, Manuel, Gamberg, Winburn, Schmirer, Lloyd-Davies
Second row: Dickey, Bean, Hoehn, Benson, Melgren, Schmidt, Sundvig, Lang, Neal, Jewett, Hause, Masyczek
Third row: Lyman, Matson, Dezarn, Riemcke, Redman, Kulpaca, Soderberg, Chauncey, Nehrenberg, Ross, Scown, Vobejda, Morse
Fourth row: Bender, Alaniva, Haire, Binder, Norman, Nelson, Wilcox, Morcom, Graverson
Fifth row: Mickle, Trankle, Ingvalson, Haverberg, Garlick, Simpson, Wendelken, Eickelman
Sixth row: Baker, Olson, Burrill, Veronda, Erickson, Norman, Ingwerson
Seventh row: DeLand, Brady, Shield, Schmidt, Jones, Taylor, Hannan

the business and social sides of the convention. His talk created a desire in many men to attend such a function of this fraternity.

Two Theta Tau men, Brothers Hill and Hubbard, graduated at the end of the first semester; and a third, Brother Rehwaldt, discontinued school to go to work for General Electric at Schenectady, New York. Hill is taking graduate work in Chemical Engineering at the Illinois Institute of Technology in Chicago, while Hubbard is working for the Hammond Piston Ring Company at Baltimore, Maryland.

Prospective pledges were entertained at a banquet given at the chapter house on January 21. Brother Dake and Regent Gamber gave short talks on the principles governing Theta Tau. At the pledging party held a week later, Omega Chapter pledged twenty-nine men. At present there are twenty-four active members. Spring initiation is tentatively scheduled for the second week in April. We are expecting a large group of initiates.

Brothers Jukkola and Olson and pledge Brevik were initiated into Sigma Tau honorary fraternity. Brother Gamberg is president of Sigma Tau. Brother Griffith, a sophomore in metallurgical engineering was awarded the National W.A.I.M.M.E. Scholarship.

Campus affairs are spurred by many Theta Tau men. Brothers Gamberg and Manuel are vice-president and treasurer of the Drill and Crucible respectively. Gamberg is also president of the band; while pledge Brady is student director, and pledge Hannan is secretary-treasurer. Brother Griffith is vice-president of the sophomore class. Brother Shedd is secretary-treasurer of the General Engineering Society. Pledge Brevik is president of the Chemical Engineering Society, and pledge Nehrenberg is a member of the Board of Control. Brother Vobedja represents the A.S.C.E. as publicity manager.

Varsity athletes include several Theta Tau men. Brother Haire and pledges Alaniva, Swanson, Veranda and Ingvalson are members of the football team; while Brother Winburn and pledges Lyman and Nehrenberg are on the basketball squad.

Brother Simpson is intramural manager. Intramural sports are receiving a large share of Omega's attention under the leadership of Brother Soderberg as house athletic manager. The volleyball tournament was won by a Theta Tau team. A team of Theta Tau men placed second in the basketball tournament. The number of black eyes around the house testify to the number of Theta Tau men competing in the boxing and wrestling matches. Omega hopes to enter strong teams in the swimming meet and kittenball tournament during the remainder of the semester.

Shortly after Thanksgiving vacation, faculty adviser, Brother Rowe, entertained Theta Tau men at a dinner at his home. A grand time was had by all the fellows.

Ten actives will be lost by Theta Tau this spring by graduation. They are: Gamberg, Hill, Hubbard, Haire, McGarvie, Schmierer, Schmidt, Shedd, Vobedja and Woodle.

Officers for the coming year include: L. Olson, Regent; C. Graverson, Vice-Regent; D. Winburn, Scribe; W. Griffith, Treasurer; R. Simpson, House Manager; and A. Wilcox, Corresponding Secretary.

Those of us that are not graduating this spring will be going to school this summer. In an effort to turn out engineers in a shorter time for the defense industries, South Dakota State School of Mines is going to operate on a full schedule the year round. We are going to keep things ticking here at Omega Chapter.

Yours in H & T,

Arnold Wilcox
Corresponding Secretary

March 6, 1942

Gamma Beta Sticks on the Merry-Go-Round

Greetings from Gamma Beta, down by the Potomac, in Washington, D. C. (darn crowded). We are right busy here in Washington, but we still manage to get in some good times, in spite of this increase in working hours we all must undergo. This year is proving to be a very successful one. We pledged some mighty fine men, February 21. They are Boyd Horn, Eddy Shyrls, Al Syfler, Cliff Williamson, and David Carlson. They were initiated March 14, during our Birthday Banquet and Dance, which was held, as it was last year, at the Hay Adams house across Lafayette Square from the White House. We were honored to have Grand Regent and Mrs. Russell G. Glass, another alumnus from Sigma, and two brothers from Pi present. It was a capital affair.

It was mentioned in the last letter that we were going to have a stag party on November 11 for prospective pledges, and we did, and boy what a party! With picture taking, tug-of-ropes, and general scrambles it was rather informal. On January 30th we had another

affair at the same little cabin in Virginia, only this time it was drag, and we had a public address system (run by the E.E.'s) contests, practice black outs, and of course those famous Paul Jones.

Beyond these two parties and one thrown by the alumni at George Lohmeyer, a profitable affair for some of us, Gamma Beta has not had any other events of their own, but the Engineering School, here at George Washington, has had some mighty swell things happen in which Gamma Beta, as always, had a very integral part. There was the Engineers' Ball on February 20, at which the whole school had a wonderful time, the Winter Mixer Meeting of the three societies at which great fun was had by the E.E.'s blowing motors, dropping ammeters on the floor; the C.E.'s giving a show in which everything went wrong, according to schedule; and the M.E.'s giving us the low down on the Income Tax reports filed by the professors (a little away from the truth, but revealing). And then there was the Third Annual Christmas Tree donated by the engineers to the rest of the school. We chopped it down on Professor Hitchcock's farm and towed it in behind a poor Chevrolet, on a boat trailer sticking out some thirty feet behind over Virginia mud roads (and if you haven't driven over Virginia mud roads in the rain you don't know what mud roads can be like).

February 21th we elected two new officers, Stan Machen to succeed Micky Shultz as treasurer and Fred Holcomb (that's me, folks) to succeed Dick Fenton as corresponding secretary. The other officers are as before: George Kale, E. J. Ballou, Bob Weston, Raphael Cahn, Dominic Tuffolo — Regent, Vice-Regent, Secretary, Inner Guard, and Outer Guard respectively.

We have 26 active members and two pledges; Brothers Carlson, Shytle, and Williamson were initiated on March 14. Brother, Professor, Deacon, Major Norman Bruce Ames is our faculty advisor.

Recently several of our brothers were initiated into Sigma Tau; Jimmy Pantorira, Stan Machen and Micky Shultz are the fortunate ones and already they are officers in that fraternity.

A brother from Sigma, Ivan Spratzer, has joined us at many of our meetings and functions and it made me for one, wonder if there aren't any other brothers here in Washington on defense work who have failed to look us up. If so, why?

There have been quite a few of cupid's arrows flying around here lately. Brother Ritter "jumped up and got wed" during the Christmas vacation, and Brother Fenton last fall, Brother Machen last summer, and Brother Brown last spring. Do we congratulate the lucky guys or the lucky gals? Anyway "congrats."

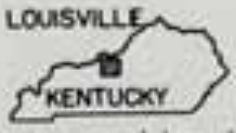
That about winds up the doings in the humming hub of the world. Best wishes to all the chapters.

Yours in H & T,

FREDERICK M. HOCCOMB, JR.,
Corresponding Secretary

March 16, 1942

Delta Beta Men Interested in Women and War



This is the belated report of Delta Beta chapter of Theta Tau.

We have had a very successful pledging, twenty-two pledges. I believe it is the largest pledge class we have had.

We have again started to give a series of parties for the various sororities on the campus. We have already given one of these parties this spring and are making preparations for the rest of them.

Several of our alumni are in the armed forces. Frank Smithson is a cadet at Maxwell Field, Bob Goetzman is a lieutenant in the Army, Harry Sibley is a pilot in the Army Air Force; George Harding who was our adviser is now in the map making section of the War Department in Washington, D. C.

Dick Baker, though he is not an alumnus, comes under the above classification because he is in the armed forces of the United States as a cadet at Maxwell Field.

Ed Edelhauser another of our alumni is now in Brooklyn, New York, doing some construction work.

Practically all the Delta Beta chapter members who were eligible for the engineering classification of the Naval Reserve went down to the Recruiting Station in a body to take the physical examination. Our Regent Jack Davis was temporarily rejected because he had only a one inch chest expansion and was about fifteen pounds underweight. However he has surmounted these difficulties and has passed the examination with flying colors.

The advisers of our chapter of twenty-nine active members are Professor H. H. Fenwick and Mr. W. R. Barnes.

The officers are: Jack Davis, Regent; John

McClain, Vice-Regent; Wilbur Adams, Scribe; John Rathburn, Treasurer; Carl Kothsiner, Treasurer-elect; Bill Roch, Marshal; John Connerton, Corresponding Secretary.

Since Speed School is accelerating its educational program we will begin rushing again about the first of the summer quarter.

Yours in H & T,
JOHN CONNERTON
Corresponding Secretary

March 9, 1942

National Capitol A. A. Has Roundup

The annual fall roundup was held at Twin Oaks, Virginia, Saturday night, December 13, 1941. A bunch of the boys (about 75) whooped it up to the tune of a combination radio-record player.

On the last Saturday in January we inaugurated a "once a month luncheon and get together." The January luncheon was a "Send-off for the Patent Office Boys" since the congestion of government office space in Washington has resulted in the Examining Division's being transferred to Richmond, Virginia. The Patent Office transfer is a severe blow to our organization, since we are losing at least ten members.

WM. J. ELLENBERGER

View of the Bingo game
Raymond N. Matson, Gamma Beta '38, calls the numbers

The Horse Race game

The Pool Sharks (sign of a mis-spent youth) Reynold E. Ask, '33; Warren C. Crump, '40 (about to make shot); A Morgan Thomas, '41; Charles B. Kurz, '40; Wm. J. Ellenberger, '30; J. Harold Link, '37 (on extreme right)

Officers of the National Capitol Alumni Association of Theta Tau: Warren C. Crump, '40, Executive Committee; Frank T. Mitchell, Jr., '40, and George M. Lohnes, '39, Secretary-Treasurer; Wm. J. Ellenberger, '30, President; George Rhine, '38, Vice-President.

Twin City A. A. Program Reduced by War Activities

Greetings once again from the Twin City Alumni and a very busy lot they have been since our last report for the fall, 1941 issue of THE GEAR. Perhaps they have not been too busy with fraternity affairs but you can bet your last button that they have all been more than doing their share in this great cause which we have undertaken to carry to victory. One could never believe that so much could happen and change our very being to such a great extent in such a short time; however, one thing we do know is that Theta Taus all over the world, both in military and civilian capacities, will be right in there on the fighting front to do their part in whatever it takes for a victory.

Due to the present all out activities in all branches of engineering, members of the Twin City Alumni Association have found little time for the usual get-togethers and dinner meetings during the past five months. Engineering conventions and meetings in the Twin Cities have been well attended by Theta Taus and it has been at these meetings that Theta Tau alumni have been able to continue their associations. At one of the recent Minneapolis Engineers Club dinner dances it was noted that some eight or nine Theta Taus and their wives were present and what a reunion that was. It seemed like of' times once again and showed that engineers are not too busy to get out once in a while for a good time.

The only regular meeting of the T.C.A.A. since our report in the fall issue was held in November of '41 at which time alumni and actives of Alpha Chapter united for the second time at a rushing dinner given for prospective members for Theta Tau. Results have shown that this type of alumni help to the active chapter has greatly helped to promote the continued success of Theta Tau. The regular spring meeting of the T.C.A.A. is scheduled for some time in May at which time officers for the next two years will be elected.

I wish to acknowledge receipt of the minutes of the Fifteenth Biennial Convention at St. Louis, and it does one good to read about the splendid work being carried on by Theta Taus under the able leadership of the members of the Executive Council.

Our congratulations to you Brother Mercer for your election to the Executive Council as Grand Inner Guard, and to all the other members who will be carrying on the work during these troubled years which lie ahead.

I trust you will forgive the brevity of alumni news about individual members and I will have a lot stored up for the fall issue when you are ready.

With best wishes for your continued success and looking forward to the spring issue of THE GEAR which we all have grown to enjoy so much.

In H & T,

Twin City Alumni Association of Theta Tau

ROBERT B. ALLEGEN, Sec'y-Treas.

P.S. Our present officers are the same as reported in last GEAR issue. Incidentally, I think the Intermountain Alumni Association should receive all due credit for their "News Letter" published in February 1942. I personally, and in behalf of the T.C.A.A. wish to extend congratulations to them for this fine idea. It is certainly a good example of the service of an alumni association to its members.

March 8, 1942

Los Angeles Alumni Club is Active

In response to your request for a brief account of the activities of our Alumni Association, I submit the following account:

During the year 1941, the Los Angeles Alumni Association of Theta Tau has held two dinner meetings at a downtown hotel. Occasionally, the officers and executive committee meet at noon luncheon, to discuss matters of interest to our organization. Several of these luncheons precede each dinner meeting, at which all plans are formulated. Since our association is rather young, our meetings have largely been devoted to becoming acquainted.

About forty brothers attended our November meeting, at which time Brother John Olmstead addressed us. Dr. Olmstead spoke upon scholastic standards and new ideals in competitive athletics. His remarks provoked a general discussion of the old versus new education, brought out the old hangovers from our own college days, and settled the educational future for our children. Before the meeting broke up, Bob Calhoun told his famous Swede "vild cat" story, the same one he used when in college.

The greater part of the success of our alumni association is due to our very genial President, Tom Douglas, who divides his time between Theta Tau and the Regional Selective Service Board. The other officers are: Victor S. Matson, Vice-President; William S. Badt, Secretary; Robert Calhoun, Recorder; Robert Ebaugh, Treasurer.

Yours in H & T,

VICTOR S. MATSON

Intermountain A. A. Awards Scholarship

Members of the Intermountain Alumni Association recently chose Howard M. Hurst, Lambda '14, as the new president and awarded a scholarship to an outstanding University of Utah engineering school student.

Other officers, elected at the organization's 22nd anniversary election and installation banquet at the Art Barn, include J. Perry Erickson, Vice-President; C. Milton Anderson, Secretary-Treasurer; and the following advisory board members: Mervin B. Hogan, Mack S. Kesler, Blaine Watts, C. E. Painter, Ellis W. Barker, J. William Funk, Wallace L. Smith and Elton W. Pace.

The $10 scholarship was presented to Carl A. Bergman, member of Theta Tau and Tau Beta Pi and president of the University of Utah Student Engineers' Society. The award was presented by L. F. Petz, retiring president.

—*Salt Lake Telegram*

Bergman and Petz

Northwestern Alumni Club Plans Spring Meeting

Due to the fact that we haven't had a meeting of our Alumni Club since our last letter to you on October 28, we have no further activities to report at this time. Our annual spring meeting will be held in April, the date of which has not yet been set, but an interesting program is being planned.

We expect a good attendance even though some of our regular members have left either for military service or for defense work. We are attempting to get in touch with all alumni in this district, but if our records are not complete we wish to invite any others living in or near Butte to contact us and attend our meetings as they are most welcome to our organization.

In our last letter we reported the members who have joined the Army or Navy, and at this time we have no further names to add to the list. We have heard from Brother Charles Lyden who was in Pearl Harbor at the time of the attack there and who says he is safe.

You asked for the names of our officers. They are as follows: President, Dr. George F. Seager, Montana School of Mines; Vice-President, A. B. Martin; Secretary-Treasurer, Rayworth F. Howe; Executive Officers, John M. Conrow, Edward O. Bonner, and I. R. Murphy. At our April meeting we will elect officers for the ensuing year and will notify you at that time who they are.

With kindest regards, I am

Yours in H & T,

RAYWORTH HOWE, Secretary-Treasurer

Alumni Charm Now Available

The alumni charm, adopted by the Fifteenth Biennial Convention, is now available from the Balfour Jewelry Co., Attleboro, Massachusetts. This charm, which may be worn on a watch chain as a recognition piece is made up of the letters Theta and Tau, the top of the T forming the horizontal bar in the Theta as shown in the cut of the new insignia. The base price of this jewelry will be $3.25. A 10% Federal Tax will be added and, in some states, a sales tax. Orders from alumni may be placed through Grand Treasurer Vawter or direct with Balfour. Actives may not buy the charm except through the Grand Treasurer and then only immediately before graduation. It was the intention of the convention that the recognition key should be worn only by an alumnus.

Alumni Notes

ALPHA

Milo P. Fox, '10, is Colonel Fox of the U. S. A. Engineer Corps, and at last reports was stationed at Galveston, Texas.

Henry J. Matchett, '11, Lieutenant Colonel, who has been stationed in Washington, D. C., at the War Department for several years, has just been ordered away from Washington. He was a member of the Executive Committee of the National Capitol Alumni Association of Theta Tau.

Walter D. Lupton, '17, is in command of the 29th Engineer Battalion, Portland, Ore.

H. E. LaTendresse, '23, is now serving as a Captain with the U. S. Army, Dayton, Ohio.

Bernard Lardenteur, '25, receives his mail at North Ave. and Cross Highway, Westport, Conn.

Lloyd V. Berkner, '27, Lieutenant Commander, recently returned to Washington.

John Paul Willard Deringer, '27, known to Alpha alumni as Paul Deringer, is now metallurgist for the P. R. Mallory Co., of Indianapolis at their plant on 601 West Washington Blvd., Chicago, Ill. He resides at 210 Randolph St., Oak Park, Ill.

Ray E. Kullberg, '31, we have been informed was married on March 14th. After the ceremony the bride and groom departed on a trip to Florida. Ray has been doing a fine job as a member of the firm Kullberg Manufacturing Company of Minneapolis, so from now on we will be expecting double duty.

William D. Schoell, '36, engineer with the Soo Line Ry. of Minneapolis reports an addition to his family. It is a boy and a future Theta Tau we hope.

Lawrence W. Roelin, '37, reports that he can be reached at 1416 Tuttle Avenue, Cleveland, Ohio.

Orville G. Lundstrom, '38, is employed by the Atlantic Refining Co., 1001 City Bank Bldg., Shreveport, Louisiana. He is district scout and field geologist for the North Louisiana and South Arkansas districts.

Donald Duncanson, '39, receives his mail at R. R. 1, Box 182, Dayton, Ohio.

Richard Coulston, '40, reports that he may be addressed at R. R. 1, Box 182, Dayton, Ohio.

Lyle Oral Goodman, '40, is apprentice metallurgical inspector for the Inland Steel Co., Indiana Harbor, Ind.

Sevan Johnson, '40, may be addressed at 212 Radio Drive, Macon, Ga.

Dick Stoberg, '40, may be reached at 19 Sawmill Road, Dayton, Ohio.

Paul F. Cummings, '40, past Regent of Alpha Chapter, has taken up living quarters at Alpha Chapter house since last Christmas; however, not for long as we understand Paul has received his papers for active service with the Navy.

Burton H. Bovum, '41, has moved to 202 East Empire St., Ishpeming, Mich.

John Kabelp, '42, resides at 601 19th Ave., North, Seattle, Wash.

BETA

Thomas J. Douglass, '04, is serving his second term as President of Theta Tau Alumni Club of Los Angeles.

Fred Gibbs, '14, of 231 South Vernon St., Prescott, Ariz., has become superintendent of the C. O. D. mine north of Kingman, Ariz.

Rowland King, '16, is Resident Manager of Manganese Division, Sunshine Mining Company, Port Angles, Oregon.

Lew Suverkrop, '17, has begun the manufacture of his newly invented pocket transit which combines functions of several instruments. Brother Suverkrop's instrument serves as a compass, a transit, a level, a clinometer, a sextant, or an alidade.

S. H. Lorain, '17, is Senior Engineer with the U. S. Bureau of Mines at Moscow, Idaho.

Roy Deier, '21, formerly a member of the faculty at M. C. M. & T., is now a Lt. Comdr. in the Bureau of Ordnance at Washington, D. C.

J. R. VanPelt, '21, is the Technical Director, Museum of Science and Industry, Chicago.

E. E. Warner, '25, of St. Louis, sends us a warm note to the effect that after sixteen years he has found his old roomie, J. D. Bardill, '27, living within 90 miles of him.

L. M. Nash, '29, is Superintendent of Magnesium Products Inc. in Los Angeles, Calif.

Vincent S. Madison, '31, Power Sales Engineer with the Detroit Edison Co., is the proud papa of twin sons, born January 18, 1941.

R. A. Angel, Jr., '33, has a change of address. He moved from Saginaw, Michigan, to 1707 Sixth St., Port Huron, Mich.

Hans H. Schou, '34, is an Assistant Processing Officer, Engineering Replacement Training Center, Fort Leonard Wood, Mo.

William A. Bates, '34, who has been an associate metallurgist at the U. S. Bureau of Mines at Boulder City, Nevada, has moved to Golden, Colo.

Herbert L. Keinath, '35, is Superintendent of Water Works at Frankenmuth, Mich.

R. V. Kolakoski, '37, works in the engineering department of Southern Fireproofing Co. at Cincinnati, Ohio. "Sully" married Miss D. M. Strauss of Cincinnati, on June 25, 1941.

Jack Quay, '37, is now with the Army at Fort Belvoir, Va.

John P. Mangler, '38, is a service engineer with International Filter Co. of Chicago.

Dick Holtz, '38, was married November 21, 1941.

Pete Ambrosiani, '38, is back at his old job selling mining machinery in Michigan's Upper Peninsula.

Paul Harrington, '38, advises us that he receives mail at 203 Taney St., Gary, Ind.

Clarke K. Olson, '39, is at Fort Belvoir, Virginia. On December 26, 1941, he and Miss Celia Pearce were married at Houghton.

Ronald Pannell Campbell, '39, received his M.S. in metallurgy in 1939 and is a special engineer in the Rolling Mill, Carnegie Illinois Steel Co., and receives his mail at 3008 East Cheltenham Place, Chicago.

Paul Martin, '40, is employed in the turbine engineering department of General Electric's Lynn River, Massachusetts, plant.

Dave Andrew, '40, was injured in an army accident at Fort Belvoir, Va.

Harry Crawford, Jr., '40, of Royal Oak, Michigan, is in charge of the heat treating department at National Cold Forging Co.

Don Jay Kevitt, '40, of the 73rd Engineering Co., Fort Lewis, Washington, writes that he is trying to cultivate the faculty of seeing in a blackout.

Wes Morgan, '41, is stationed at Camp Cooke, California. He and the Missus recently became the proud parents of a beautiful baby girl.

Russ Grimble, '41, is a lieutenant stationed with the armed forces in Iceland.

Fran Sandborn, '42, is an ensign in the Naval Air Corps.

Brian Burke O'Neill, '42, is with the Army at Fort Leonard Wood, Mo.

GAMMA

William Murray Lewis, '09, one of the founders of Theta Tau, is a contracting engineer and Vice-President of the Layne New York Co., Haddonfield, N. J.

A. R. Flynn, '13, assistant superintendent of the Bertha Mineral Division of the New Jersey Zinc Co. resides in Austinville, Va.

Clarence E. Calvert, '14, has been promoted to Assistant Manager, Butte Mutual Labor Bureau of the Anaconda Copper Mining Co. He resides at 801 East Broadway, Butte, Montana.

Raymond V. Whitzel, '16, has changed his address from San Antonio, Texas, to 60 Wall St., New York City.

Louis C. Rhodes, '22, has been appointed Pacific Coast Manager of the Sullivan Machinery Co. in San Francisco. For some years he has been manager of the Spokane, Washington, branch.

G. Keith Taylor, '23, foreman for the Solvay Process Co., has a change of residence to 131 East Claremont St., Petersburg, Va.

George G. Gallagher, '24, who has been at Sutter Creek, California, as mine superintendent of the Central Eureka Mining Co., has gone to Tucson, Arizona, where he is addressed at 731 East 4th St.

Frank H. Stokes, '24, manager of the Ingersoll Rand Co., makes his headquarters in Caracas, Venezuela, where his mailing address is Apartado 1147.

Clifford H. Stewart, '25, has been promoted to Chief Geologist by the Navarro Oil Co., and his address is Drawer 2139, Houston, Texas.

John Christopher, '25, announces the birth of a daughter, Carolyn Dee, in Pasadena, California, on September 11, 1941. He is employed by the Venezuela Petroleum Co., and his mailing address is Apartado 1704, Caracas, Venezuela.

John H. O'Connor, '26, has left Colombia and can now be addressed at 112 Avenida Chapultepec, Mexico, D. F.

Gaylord Chase Weaver, '26, is mining engineer for the Potash Co. of America, Carlsbad, New Mexico.

Paul D. Bliss, '26, who has been with Lake Shore Mines in Canada is Industrial Plan-

ning Representative for the U. S. Air Corps, and resides at 4440 Aldrich Ave., South, Minneapolis, Minn.

Kund Doerr, Jr., '27, has been made assistant manager of the Utah Department of the American Smelting & Refining Co., Salt Lake City.

E. R. Locke, '28, with the Texas Company is addressed at Box 137, Lathrop, Texas, at present.

Ira O. Thorley, Jr., '29, is senior structural engineer, War Deps., Fort Section, Office Chief of Engineers, Washington, D. C.

Cyril L. Fleischman, '30, is now general mine foreman for Cerro de Pasco Copper Corp. at Casapalca, Peru.

Robert C. Williams, '30, is a Captain for the U. S. Army at Camp Roberts, San Miguel, Calif.

Robert L. Gibson, '30, district exploitation engineer for the Shell Oil Co., is being addressed at P. O. Box 398, Eagle Lake, Texas.

Heal Gernert, '30, is now district superintendent for the Shell Oil Co. Inc., at Hamilton, Colo.

K. W. Dickey, '31, is junior engineer for the U. S. Bureau of Reclamation and resides at 737 Cleveland Ave., Loveland, Colo.

Charles F. Bonnet, '31, has been transferred by the American Cyanamid & Chemical Corp. from Azusa, California, to the main office 30 Rockefeller Plaza, New York City.

John L. Daly, '32, is a lieutenant, 10th Engineers, Camp Lewis, Washington.

Sherman W. Johnson, '32, reports that his mailing address is in care of the Combined Metals Reduction Co., Stockton, Utah.

Frank Hayward, '32, is a Lieutenant, U.S. N.R., San Francisco, Calif.

Ralph E. Johnson, '33, has a leave of absence from the Sturgeon Electric Co. in Denver to assist in construction work for Basic Magnesium Inc., at Las Vegas, Nev.

James F. Neill, '33, is a Lieutenant, 80th Engineers, (WS), at Camp Livingston, La.

James Colasanti, '33, is a 1st Lieutenant in the Ordnance Plant in Denver, Colo.

J. Harold Mitchell, '34, has been at Kaufman, Texas, where he is sismograph operator for the Texas Company.

Richard D. Moody, '36, is a Lieutenant, 47th Engineers, Camp Ord, Calif.

Charles D. Sands, '37, has been in the service for some time now. Mail should reach addressed to Rensselar, Ind.

R. C. McCutchan, '38, engineer for the Gates Rubber Co., resides at 6211 Vickery Blvd., Dallas, Texas.

Charles M. Tarr, '38, is an Airdrome Maintenance Officer at Gradner Field, Taft, Calif.

Arthur J. Weing, Jr., '38, was married at Albuquerque, New Mexico, on December 3, 1941, to Miss Georgia Evelyn Eduardo. He is assistant superintendent of the Potash Co. of America, at Carlsbad, N. M.

William Anderson, Jr., ex '39, is engineer for the Anderson Phosphate Mine, Garrison, Montana.

Arthur O. Detmar, '39, is now located in Bayville, Texas, for the Magnolia Petroleum Co.

Herbert L. Young, '39, has returned from Chile where he was Shift Boss for the Braden Copper Co. and is now in the field office of J. E. Greiner Co., in Miami, Fla.

Carl R. Mallbach, '39, who has been metallurgist for the Phosphate Recovery Corp., Mulberry, Fla., is now 2nd Lieutenant, Co. F, 106th Engineers, Camp Blanding, Fla.

Lewis D. Anderson, '39, announces the birth of a son, Douglas Lee, on January 12, 1942. He is now with the U. S. Public Health Service at Cantonment Camps.

Everett M. Parks, '40, is employed by Phelps Dodge Co. in its Copper Queen Mine, Bisbee, Arizona, and gives his mailing address as Box 2211, Warren, Arizona.

C. Mac Dye, '40, lives at 226 West Silver, Butte, Montana, and is an assistant engineer at the Tramway Mine.

William R. Schiele, '41, was married on January 21, 1942, in St. Martin's Chapel of St. John Cathedral in Denver to Miss Jane Owen Wirth. He has been with E. I. DuPont as chemist but recently received his army orders and is now at Fort Belvoir, Va.

Gary W. Hughbergh, '41, is a Lieutenant in the U. S. Army, Honolulu, T. H.

Rex Flynn, ex '42, is stationed at Schofield Barracks, Hawaii.

DELTA

George E. Alderson, '09, has a new address at 423 Locust St., Edgewood, Pa.

Zenas C. Kline, '10, was married to Miss Rhoda M. Warrenford last April. He is now with the Chemicals Products Division at Nela Park, Cleveland.

George Lieber, '19, is chief field engineer at the Plum Brook Ordnance, Sandusky, Ohio.

Ralph F. Mittendorf, '22, is City Manager of Ironton, Ohio, and resides at 1601 South 6th St., Ironton, Ohio.

Robert Lawrence Zahour, '23, writes that he is now with Newark Safety Council, Newark, New Jersey, but that he and Mrs.

Zabour are living at 30 West Lincoln St., Verona, N. J.

Oliver Hathaway, '21, was recently made tool inspector at the Brewster, Aeronautical Corporation, Newark, N. J.

Theodore Fickr, '26, is working in the Navy Dept., Bureau of Aeronautics, in Washington, D. C., and living with his brother, Albert Fickr, Delta '28, who is doing research work as a physicist for the U. S. Navy at 5133 First St., N., Arlington, Va.

Roy Norman Envall, '30, is in the patent department of the Westinghouse Electric & Mfg. Co., in Philadelphia and lives at 131 Turner Ave., Drexel Hill, Pa.

Lorence W. Fraser, '30, is with the National Defense Research Committee at the Carnegie Institution of Washington, Department of Terrestial Magnetism, Washington, D. C. He was married to Miss Eleanor Jardine of Cleveland on November 1, 1941, and they are living at 8009 Eastern Ave., Silver Springs, Md.

Earl Louis Henry Bayless, '31, is with the Shell Petroleum Co., Empire Bldg., Cleveland, and resides at 3620 West 44th St., Cleveland, Ohio.

John H. Baker, '32, informs us that he now may be reached at 2621 E. 22nd Place, Tulsa, Okla.

C. F. Polacek, '33, sends word that his permanent address is 4332 Center Ave., Pittsburgh, Pa.

Joseph Elliott Hannon, '34, Office Counsel for Evarts, Tremaine, Flicker Co. in Cleveland, resides at 3361 Radcliffe Road, Cleveland Heights, Ohio. He was married on August 21, 1941, to Miss Mary English, and they are now living in their new home at 3361 Radcliffe Road.

Charles H. Tindal, '34, has been appointed instructor in Physics at Mount Holyoke College, South Hadley, Mass.

Kendall Edwin Thomas, '37, is engineer for the Central Station Department, General Electric Co., Pittsfield, Mass. His mailing address is Box 213, Pittsfield.

Carl Carlson, '38, is back at Case working for his Master's degree and teaching a few courses.

Robert S. Sutton, '38, has a fellowship at the University of Cincinnati, by his employer, the American Roller Mill Co.

Karl G. Henriksen, '40, is lubricating engineer for the Socony Vacuum Oil Co., in Cleveland, and resides at 3214 Berkeley Avenue, Cleveland Heights.

George P. Chapman, '40, has a new address at 1134 Roberts Ave., Whiting, Indiana.

Donald Horsburgh, '40, was married to Miss Elaine Mildred Newcomb on December 20, 1941, and they are now living at 3143 Hollister Road, Cleveland Heights, Ohio.

Robert Beckwith, '41, reports that he now resides at 1017 Garner Ave., Schenectady, N. Y.

N. W. Dennis, '41, is an Ensign and may be reached at the A. & R. Dept., Naval Air Station, San Juan, Puerto Rico.

EPSILON

Ellsworth Y. Dougherty, '11, has left Bellevue, Washington, and has joined the staff of the U. S. Bureau of Mines, Tucson, Ariz.

Karl H. Schilling, '17, a petroleum geologist, is now located in Houston, Texas.

Arlo M. Sperry, '18, for many years in Mexico as engineer and superintendent for the Fresnillo Company, has left mining and bought an orange grove near San Diego recently. He can be addressed at R. F. D. No. 1, Box 171-A, El Cajon, Calif.

Robert D. Donald, '18, formerly general superintendent of the Bonanza Quicksilver Co. is now general superintendent of the Pacific Syndicate, Box 1205, Medford, Ore.

Richard J. Russell, '19, past Grand Regent, announces the birth of a son, Robert Burke, on November 7, 1941.

Glenn M. Wiles, '23, since 1934 in charge of operations at the Park City Consolidated Mines Co., Park City, Utah, has resigned and joined the staff of the St. Louis Smelting & Refining Co. in connection with operations in the Tri-State district and Fredericktown, Mo. He remains a Director and Vice-President of the Utah Company.

W. G. Donaldson, '24, is now operating a quicksilver property in California and can be addressed at P. O. Box 296, Solvang, Calif.

David C. Sharpstone, '24, is a mission of one sent by the government to South Africa at the invitation of the South African Government to study exploitation of strategic war materials. As part of a program instituted by the Economic Warfare Board and other government agencies to make up metal deficiencies, Sharpstone will try to switch African gold production to more essential products. During the last ten years he has maintained offices in Canada as a consulting engineer and previous to that was chief geologist of the Rose Antelope

Copper Co. in South Africa where he established a reputation as an outstanding mining engineer and geologist.

Gordon Heid, '21, is geologist for the Shell Oil Co. in Houston, Texas.

Edward H. Rott, '21, who was in Colombia, S. A. for some years was in New York when the Japs attacked Pearl Harbor and did not return to Colombia. He is now Technical Adviser of the Mining Priorities Branch, of the War Production Board, Washington, D. C.

Homer D. Erwin, '29, notifies us that he has returned to the States from Honduras where he was scouting engineer for the New York Honduras Rosario Mining Co. at San Juancito, Honduras. Mail should be addressed to 940 South Concord St., Los Angeles, Calif.

Edward A. Hassan, Jr., '31, was married on December 27, 1941, to Miss Edith S. Oliver of Berkeley, California. They are making their home in Denver, Colo.

John Eliot Allen, '12, reports his mailing address as being 702 Woodlark Bldg., Portland, Oregon.

Allen P. Bowie, '12, informs us that his mailing address is c/o Westwood Manor, Havre DeGrace, Maryland, but that mail will always be forwarded to him from R. F. D. No. 7, Box 101, Seattle, Washington.

Paul S. Putnmueller, '14, reports that his address is now Rt. No. 1, Box 60, Ojai, Calif.

Joseph T. Gregory, '11, sends word that he is located at Ann Arbor, Michigan, in the Museum of Paleontology, University of Michigan.

Roscoe M. Smith, '16, formerly geologist for West Coast Mines at Winnemucca, Nevada, has returned to Grass Valley, California, where he has joined the staff of the Idaho-Maryland Mines Corp. He resides at 452C South Auburn.

Marshall C. Turner, '17, has a new address: 517 North Hoover Ave., Whittier, Calif.

George F. Reed, '37, has left the Lion's Den quicksilver property at Solvang, California, to become superintendent of the Saddle Fluorite Mine at Deming, New Mexico.

Milan G. Arthur, '37, works for the Union Oil Company of California. He resides at 442½ North Greenleaf Ave., Whittier, Calif.

Edward M. Wheeler, '38, petroleum engineer, is now an Ensign in the U. S. N. R. and his headquarters are at Room 601, 1st National Bank Bldg., Houston, Texas.

William E. Rowe, '38, informs us that he receives mail at P. O. Box 680, Wichita Falls, Texas.

Janes L. Joubert, '38, writes that he is an engineer with the Permanente Corp. near San Jose, California. His home address is 449 Oberlin St., Palo Alto, Calif.

Robert B. Grant, '38, advises us that he has a new address, 2124 Westbourne Avenue, Alhambra, Calif.

Daniel S. Johnston, '39, sends word that his new mailing address is Route No. 1, Box 19, Huntington Beach, Calif.

H. L. Waldthausen, Jr., '39, has returned to work with the Calaveras Cement Co., as quarry and mining engineer, San Andreas, Calif.

Charles E. Larson, '39, informs us that he is married and that for the "duration and six months" will be an aviation cadet. He is located at 330 Somera Drive, San Mateo, Calif.

Thomas Cheary Landreth, '40, was reported in December to be Dredge Engineer for the Pacific Naval Base Contractors on Wake Island. It is not known if he left there before war started or if he was captured by the Japs.

Elwood Bunter, '40, informs us that he has moved from 291 S. Coronado to 114 W. Simpson St., Ventura, Calif.

ZETA

James W. Orton, '17, has changed his residence to 18920 Sorrento, Detroit, Mich.

Edwin L. Calene, '21, works for the Refrigeration Equipment & Service Co., and resides at 2416 2nd Ave., Sacramento, Calif.

George R. Benz, '21, writes that his new address is 1712 Cherokee Place, Bartlesville, Okla.

H. A. Jameson, '26, is with the Coast Artillery with MacArthur in the Philippines. We received a letter for Founders' Day which was a little late due to the mail but very interesting and enthusiastically received.

C. E. Perkins, '27, has recently been elected President of the Bartlesville K. U. Alumni Association. He writes that there are a large number of Theta Taus in Bartlesville, many of whom he has never had the opportunity to meet. He is district manager of the Public Service Co. of Oklahoma. His address is 1708 Osage Ave., Bartlesville, Okla.

Garold A. Kane, '31, has been made Vice-President in charge of engineering with the Northern Pump Co. in Minneapolis. His address is 2111 19th Avenue South, Minneapolis, Minn.

S. Henry Magruder, '33, sends word that he

resides at 11 Wildwood St., Winchester, Mass.

DANA PRATT, '34, sends word that he now resides at 29 W. Holly Ave., Oaklyn, N. J.

GLENN E. HANDS, '34, informs us that he may be addressed at Crescent Apt. Hotel, Tampa, Florida.

HOWARD MILLER, '35, is on active duty at Ft. Scott, Calif.

JIM SMITH, '35, advises us that he now lives at 2250 Nebraska Ave., Kansas City, Kan.

JOHN W. GAIST, '37, who is with the Worthington Pump & Machinery Co. has changed his address to 2131 S. Jamestown, Tulsa, Okla.

R. W. RODGERS, '37, is on active duty with the Coast Artillery Corps at Ft. Worden, Washington.

CHARLES BERRD, '38, receives his mail at 911 Penn. Ave., Kansas City, Missouri. He is a layout design engineer for the Curtiss-Wright Airplane Division of St. Louis and does consulting on the side. His consulting office is located at Robertson, Mo.

GUY GUTHRIE, '38, is on active duty with the Coast Artillery Corps at Ft. Worden, Washington.

FRED A. THURSUS, '38, announces his marriage April 12 to a "Queen" for whom he has sent us a rush order for a sister pin. He is working at Ryan Aeronautical Co., Lindberg Field, San Diego, Calif. His department builds primary trainers Ryan ST-3, Army PT-21, PT-22 and Navy NR-1. His address is 3141 Albatross, San Diego, Calif.

MERRILL FENTON, '38, is employed by the Kansas Electric Power Co., Lawrence, Kansas. His address is the same.

GEORGE W. RUSSELL, JR., '39, has a new address at Elm Terrace Apts., York, Pa.

FRED SMITHMEYER, '39, is with the Collins Radio Co. His address is 1715 5th Avenue S. E., Cedar Rapids, Iowa.

JESSE E. GAMBER, '39, is stationed at Fort Bragg, N. C., in the 32nd Ordnance Co.

KENNETH ROSTRUCKI, '41, has completed primary flight training in the U. S. Army. He has been graduated from a "Dodo" to the grade of upperclassman. His address is ACTD, Ryan School of Aeronautics, San Diego, Calif.

CHARLES BAER, '41, is stationed at Camp Wallace, Texas.

ROBERT PAULETTE, '41, was married to Miss Roberta Kingman, December 22, 1941. Bob goes on active duty with the Coast Artillery Corps in a short time.

EDWARD O'BRYAN, '41, has been promoted to junior engineer for T.V.A. He was married to Miss Genevieve Laqua on March 7. His address is 621 North Pine, Florence, Ala.

RICHARD LARGE, '42, has completed a three weeks school for reserve officers at Camp Wallace, Texas. He is with Bty. B, 25th Brigade, Camp Wallace, Texas.

ETA

ROBERT CUMMINGS WIRMAN, '14, is an architectural engineer at 7 East 42nd St., New York City.

JOHN SHARPLESS COLDWELL, '18, is a manufacturer with the Lenn Elastic Web Co., and resides at 434 Rochester Avenue, Fall River, Mass.

WENDELL KAYSER, '18, is in the technical division of the Chemical Warfare Service, Washington, D. C.

EDMUND JOHN MACDONALD, '21, is with the John MacDonald Construction Co. in Boston, and resides at 38 Oak St., Weston, Mass.

HENRY HORN, '22, has been engaged as an analyst in the Office of Production Management.

DONALD H. MCCREERY, '22, is now with the engineering firm of Leeds, Hill, Barnard and Jewett of Los Angeles.

JOSEPH S. HARRIS, '27, who is with Shell Oil Co. has a new address c/o Shell Oil Co., Jacksonville, Fla.

HOWARD STOCKWELL ROOT, '28, after receiving his M.S. at M.I.T. in 1929, decided to study medicine and graduated from McGill University in 1940. He is now pathologist at the Montreal General Hospital and resides at 1321 Sherbrooke St., West, Montreal, Quebec, Canada.

THETA

DONALD B. READ, '34, is mill superintendent of the Golconda Division, Nevada Massachusetts Co., Golconda, Nevada.

HOWARD MCLANE STRUBLE, '37, is engineer for ARTA, 10 Bridge St., New York, N. Y.

CHARLES VONOBEN HUGHES, '37, is shift foreman for the Oronite Co., Terrebonne, Oregon.

WILLIAM KILLIAN BERNTUS, '38, Marine Service Engineer for the Sperry Gyroscope Co. in Brooklyn, N. Y., resides at 579 Bayview Ave., Inwood, L. I., New York.

IOTA

Mark L. Terry, '20, division engineer for the Texas Co. in Tulsa, has been transferred to Matoon, Ill.

Leo E. Shirl, '21, has moved from P. O. Box 2096 to 20 Lakeside Drive, Earlborough, Wichita, Kansas.

Theodore W. Hunt, '35, has a change of address. He is now working on the new bombardment base at Syracuse and may be addressed at 716 Lancaster Ave., Syracuse, N. Y.

Robert Lee Fisher, '36, has changed his address to 6101 31st St., N.W., Washington, D. C.

A. A. Phillips, '37, advises us that he resides at 1332 South Trenton, Apt. 7, Tulsa, Okla.

John Warren Frame, '37, notified us that he receives mail at 12 Englewood Ave., Buffalo, N. Y.

Roy C. Cornett, '38, is another Theta Tau located at Ft. Belvoir.

Herbert Prance, '38, informs us that he is with Co. C., 6 Bn. ERTC, Ft. Belvoir, Va., and gives his address as 1707 DeWitt, Alexandria, Va.

Fred M. Mueller, '38, now in the service, wishes mail to be sent to his home which is Adrian, Mo.

J. Craig Ellis, '38, writes us that his present address is 7211 Phillips Ave., Apt. 2E., Chicago, Ill.

Eugene L. Olcott, '40, is with the General Electric Co. and resides at 1348 Union St., Schenectady, New York.

Arthur Brune, '41, still with the U. S. Geological Survey has left California and is stationed in Virginia, where his mailing address is 108 North Kenmore St., Arlington, Va.

KAPPA

Charles A. Flannery, '17, is now Major Flannery stationed at the Presidio in San Francisco.

Major H. A. Reichelderfer, '18, is at the Army Industrial College, Washington, D. C.

Foster M. Pooley, '21, has a new mailing address at 1418 Milton, Dallas, Texas.

Frank W. Meyer, '21, is a general contractor and member of the firm Meyer & Nelson, 35 West 71th St., Chicago, Ill.

Oliver N. Wilton, '21, who has had charge of foreign sales for Bell and Howell, makers of motion picture equipment finds his business all shot to pieces because of the war. His residence is at 1933 N. Kenneth, Chicago, Ill.

Jerome E. Macfarlane, '22, has been made assistant superintendent of the Hartley-Fraser mines owned by the Oliver Iron Mining Co. at Chisholm, Minn.

Carl Anders Berthal Borgeson, '23, is with the Long Lines Dept., A. T. & T. Co., New York City, and resides at 40 Clarendon Place, Bloomfield, N. J.

Allison J. Copp, Jr., '26, now an engineer for the Illinois State Highway Department resides at 1100 Lawrence, Springfield, Ill.

Arthur C. Nauman, '31, has been transferred from the Headquarters, Second Air Force, Fort George Wright, Washington, and assigned to the Seattle Engineer District. His mailing address is: U. S. Engineer Office, Northwest Air Depot, Spokane, Wash.

Arthur J. T. Bennett, '33, is an Industrial Engineer with offices at 1612 1st National Bank Bldg., Chicago, and resides at 8944 S. Pleasant Ave., Chicago, Ill.

C. O. Reinhardt, '34, advises us that he has moved from Baltimore, Maryland, to 515 University Ave., Champaign, Illinois.

Bradley C. Gardner, Jr., '37, is in the 185th Infantry, A.P.O. 40, Los Angeles, Calif.

Woodrow Walsh, '37, is a Lieutenant in the U. S. Army at Fort Custer, Michigan.

Maurice K. Carr, '39, works for the Spencer Lens Co. in Buffalo, New York, and lives at the Y. M. C. A.

Robert J. Williamson, '39, resides at 7711 South Shore Drive in Chicago, Illinois, and is an apprentice engineer with the Carnegie Illinois Steel Co.

LAMBDA

R. Allan Perry, '19, formerly assistant superintendent of the Murray smelter has been promoted to the position of assistant superintendent of the large smelter at Garfield, Utah, succeeding Kuno Doerr, Jr., Gamma '27.

Henry Arnold Badeley, '21, is an engineering inspector for the U. S. Government with office at 104 Federal Bldg., Salt Lake City. He lives at 1139 East 11th South, Salt Lake City, Utah.

Stephen Lester Kerr, '23, works with the

Kerr Motors Co., 221 4th St., and resides at 2189 E. 14th St., Bremerton, Wash.

Harvey L. Garrity, '24, has been promoted to superintendent of Utah Copper Company's big pit in Bingham, Utah, where 100,000 tons per day are currently produced, largest in the company's history.

Elmer Paul Gertsch, '30, chief engineer for the Air Associates Inc., Airport & Century Blvd., Los Angeles, resides at 111 West Hillcrest Blvd., Inglewood, Calif.

George A. Koehler, '32, left Utah last May to establish residence in Michigan. He receives mail at Iron River, Mich.

Paul A. Woodruff, '33, informs us that until further notice his permanent address will be 1106 Lincoln, Salt Lake City, Utah.

Maurice McGatin, '33, who was with U. S. Vanadium Corp. in Uravan, Colorado, for some time, joined the staff at Tonawanda, N. Y., of the same company for a time but is now with Basic Magnesium Corp., Boulder Dam Hotel, Boulder City, Nevada.

Louis Reese, '33, is engineering for the Utah Fuel Co. He may be reached at P. O. Box 152, Castle Gate, Utah.

H. Theodore Simmons, '38, has left the Salt Lake City station of the U. S. Bureau of Mines to become metallurgist for the Remington Arms Co. at the Utah Ordnance Plant in Salt Lake City.

MU

Sam A. Britton, '26, is Superintendent of the Sloss-Sheffield Steel Co., Russellville, Ala.

Woolley Finnell, '27, is now Lieutenant Colonel and is on the staff of the commanding general at Port of Spain, Trinidad, B. W. I.

Galvin Jones, Jr., '28, is president of the Little Cahaba Coal Co., Piper, Ala., and resides at 1108 Country Club Road, Birmingham, Ala.

Wood R. Purcell, '33, sends word that he has a new address, which is Thomson, Ga.

Charles A. Mosley, Jr., '34, is in the engineering department of Vega Airplane Co., in Burbank, California, and lives at 6710 Gentry Ave., North Hollywood, Calif.

Thomas B. Simpson, '36, is now a Captain, Corps of Engineers, U. S. A., 410th Engr. Battalion (Park) Fort Belvoir, Va.

Giles Milton Ellis, Jr., '37, is a First Lieutenant, 80th Engr. Bn. Supply Officer, Camp Livingston, La.

John H. Lacey, '38, is First Lieutenant of Engineers, A Company, 8th Engrs. Training Bn., Fort Belvoir, Va.

J. Russell Johnson, '40, was married to Miss Dorothy L. Patton of Tuscaloosa, Alabama, on October 19, 1941. He is employed by the Vultee Aircraft Inc., and lives at 206 Sterling Court, Nashville, Tenn.

John H. Greene, Jr., '41, advises us that he has moved from 533 Mobile Ave. to 1237 Seventh St., Port Arthur, Texas.

NU

H. L. Griffin, '23, has left Morgantown, West Virginia, for Painesville, Ohio, where he is engineer for the Diamond Alkali Co. at their magnesium plant.

Charles F. Scherrott, '30, has been transferred by the General Electric Company from Caldwell, New Jersey, to the main works in Schenectady, New York, where he is living at 1603 Baker Ave.

Charles E. Cribb, '33, sends word that he may be reached at 1633 E. 85th Place, Chicago, Ill.

Alfred A. Nickel, '35, informs us that mail will reach him at 61 Iroquois Drive, Mt. Lebanon, Pittsburgh, Pa.

Marion F. Davis, '34, reports that he receives mail at 3972 Nichols Ave., S.W., Washington, D. C.

William J. Brown, '35, resides at 641 Brown St., Rochester, N. Y.

OMICRON

Ralph I. Clausen, '31, advises a change of address from 107 Jackson Court, Peoria, Illinois, to 301 Superior Street, Storm Lake, Iowa.

Clarence C. Haug, '32, who graduated from West Point a few years ago is a lieutenant in the U. S. Army and stationed at Barwood, Louisiana.

Adolph C. Topunka, '36, advises us that his mailing address is 913 South Washington St., Alexandria, Va.

Charles Fowell, '36, notifies us that he

may be addressed at 310 6th Ave. S., Clinton, Iowa.

Frederic F. Kubias, '39, reports that he has moved from 2101 Kecoughtan Road, Hampton, Virginia, to 948 Sixteenth Street, Newport News, Va.

Charles J. Kippenhan, '40, has married and lives at 202½ Bloomington St., Iowa City, Iowa.

Robert L. Miller, '41, may be addressed at Rt. No. 1, Box 140, S. Akron, Ohio.

PI

Paul W. Fitzpatrick, '37, sends word that he may be reached at 814 Overbrook Road, Richmond, Va.

RHO

Jefferson C. Davis, '28, informs us that his address is 18 Civic Drive, Red Bank, N. J.

Joe L. Pleasants, '31, reports the birth of a daughter, Mary Robbins, born January 25, 1942, at Post Hospital, Fort Bragg, N. C.

Jack W. Coffey, '34, writes us that he is with the John C. Shepherd Corp., but expects to be called to active duty as First Lieutenant in the Infantry soon. He may be addressed at 141 Huntley Place, Charlotte, N. C.

Carl F. Lanze, '37, has a new address, which is Kentucky Ave., Silver Hills, New Albany, Ind.

SIGMA

Francis W. Davis, '29, is on duty with the Signal Corps in the office of the Chief Signal Officer. He resides at 1121 Lincoln Street, Bethesda, Maryland.

George F. Glass, '30, Captain, is "serving our guns" in the Ammunition Supply Division of the Ordnance Department. He gave his local address as 4401 17th Street North, Arlington, Va.

George W. Leydorf, '31, is assistant supervisor of Station WLW, Cincinnati, Ohio, and resides at 1126 Lookout Circle, Cincinnati.

H. A. Messner, '32, is district manager of the Ohio Crankshaft Co., and resides at 1181½ S. Flores St., Los Angeles, Calif.

Cassius W. Payne, '40, has moved to 17 Atlantic St., Lynn, Mass.

Howard M. Dickson, '40, resides at 4143 Allendale Drive, Oakley, Cincinnati, Ohio.

Paul J. Rhoads, '41, has a new address at 1711 Seward, Apt. A1, Detroit, Mich.

Charles Sackett, '41, receives his mail at R. R. 1, Kent, Ohio.

TAU

R. H. Freyberg, '37, is now in the service and requests that mail be sent to his home address, 610 Trinity Ave., Bronx, N. Y.

UPSILON

T. E. Presley, '31, advises us that he may be reached in care of the Soil Conservation Service, Conway, Ark.

Edwin C. Dean, '33, sends word that he resides at 911 N. Denver, Russellville, Ark.

Robert R. Chase, '35, writes that his mailing address is c/o The Texas Co., Room 1900, 135 East 42nd St., New York, N. Y.

Frank Beckman, '35, reports that he can be reached at the Harding Glass Co., Fort Smith, Ark.

Rolf C. Ellbogen, Jr., '37, First Lieutenant, 25th Infantry, is located at Fort Huachuca, Ariz.

Norman L. Smith, Jr., '41, reports that his home address is 105 Ogden Ave., Collingswood, N. J.

PHI

Harold W. Cloud, '32, has been ordered to the Army at Fort Bragg, North Carolina, as a First Lieutenant in field artillery. His mailing and permanent address is at 261 N. Tacoma Ave., Indianapolis, Ind.

Harold C. Wesner, '33, has written that he is the proud father of a baby girl and that he is Chief Chemist at Hoosier Iron Works. He resides at 442 Ruddell Dr., Kokomo, Ind.

George B. Roberts, '37, a lieutenant, may be addressed as follows: 601st Tank Destroyer Bn., Camp Edwards, Mass.

Shirley M. Matthew, '39, special engineer for the Carnegie Illinois Steel Co., 3426 E. 89th St., Chicago, Ill., resides at 8812 South Shore Drive.

CHI

Earl R. Bennett, '31, asks that The Gear be sent to him at the Public Works Office, U. S. Submarine Base, New London, Conn.

Edward W. Novell, '32, general manager of the Gold Crown Mines, Twenty Nine Palms, California, has moved to 1110 Esplanade, Redondo Beach, Calif.

Frank M. Clinton, '34, is a First Lieutenant in Mechanized at Fort Knox, Kentucky.

George M. Potter, '35, employed by the U. S. Bureau of Mines, Metallurgical Division, in the Ore Dressing Section, resides at 1172 Harvard Ave., Salt Lake City, Utah.

John H. Soule, '36, has left Superior, Arizona, to join the staff of the U. S. Bureau of Mines at Tucson, Ariz.

James P. Michaelson, '36, has left the employ of the Aluminum Co. of America to become foundry superintendent of the Southern California Foundries Inc., in Los Angeles.

Arthur A. Pearson, '37, Lieutenant in the Air Corps is located at Bowman Field, Texas.

Thomas E. Hall, '37, is in the Reconstruction Group at Pine Camp, N. Y.

W. R. Turner, '37, has just returned from Java where he was hired as a flying instructor for the Dutch East Indies Air Force of the Netherlands Government. You just got under the line, Bill.

W. F. Knight, '38, can be contacted permanently at 194 Seiberling St., Akron, Ohio. He is very busy working as an airship engineer with Goodyear's Airship Operations Division.

Charles H. Chase, '39, has moved from Warren, Arizona, to Kimberly, Nevada, and is employed by the Consolidated Copper-mines Corp.

H. Willey Van Loo, '39, is stationed in the Territory of Hawaii in care of the Naval Air Station, Kaneohe Bay.

Frederic B. Clark, Jr., '39, notified us of his change of address. He is now located at 6611A Malabar St., Huntington Park, Calif.

Charles Nicholas, '39, an Ensign in the Naval Air Corps on the U. S. S. West Virginia is somewhere on the Atlantic.

John Edward McKay, '40, is junior engineer for the Iron King Mining Co. at Prescott, Arizona.

T. L. Wilson, '40, advises us that he now resides at 796 Broad St., Bloomfield, N. J.

Albert Fink, '40, is employed with the Quartermaster Corps at Fort Richardson, Alaska, constructing Army Air Base.

Jim Bly, '40, is located at Chanute Field, Illinois.

Harry Garrett, '40, Cadet in the Air Corps is located at Randolph Field, Texas.

Paul Walker, '40, is in the service at Chanute Field, Illinois.

John McPherson, '40, is a Lieutenant, Cavalry, Fort Knox, Kentucky.

Angus E. McVicar, '40, advises us that he is with the Southern California Gas Co. as industrial service engineer. He resides at 104 South East St., Visalia, Calif.

Dick Hilde, '40, is a Lieutenant at Fort Knox, Kentucky.

Clate Gatlin, '41, Past Regent, is an aviation cadet at Randolph Field, Texas.

Hal Stewart, '41, is an Aviation Cadet at Corpus Christi, Texas.

William Sparks, ex '42, instructor in the Naval Air Corps is stationed at Pensacola, Florida.

PSI

John Steadman, '12, is a foreman at the Highland Mine, in Butte, Mont.

Arthur O. Wilson, '12, returned from the Philippines last fall and is now at the Lark Mine of the U. S. Smelting & Refining Co., Lark, Utah.

Charles Beckstrom, '38, is an Ensign in the United States Naval Reserve somewhere on

the East coast.

Robert A. Blake, '38, who has been in the research department of the Anaconda Copper Mining Co., in Anaconda, has returned to Fresnillo, Zacatecas, Mexico, to resume his work as research engineer for the Fresnillo Co.

Virgil Chamberlain, '38, who was geologist for the Walker Mine in Plumas County, California, has been transferred to the geological department of the Anaconda Copper Mining Co. in Butte, as the Walker Mine has ceased operations.

Roy Allison McCready, '39, sends word that he may be reached at 101 - 1125 South Kenwood, Chicago, Ill.

Fred Pope, '39, is with the United States Army Engineers somewhere on the West coast.

Matthew Ernest Gooding, '40, is engineer for Hallnor Mines Ltd., Timmins, Ontario, Canada.

Thomas A. Greene, '40, is with the United States Forces at an Officers' Training School in Virginia.

Gus Rambosek, '40, is with the United States Forces training at Chicago, Illinois.

Sherman Lang, '40, is serving with Uncle Sam's Forces.

Robert R. Willson, '41, informs us that he may be reached at 1413 West 64th, Seattle, Wash.

John Hurley, '41, is assaying with the United States Vanadium Co. and resides at Red Lodge, Mont.

Carl Safran, '41, is now in the Canadian Army.

Reino Hyypia, '41, is in the Engineering Dept. of A.C.M. Co. in Butte, Mont.

OMEGA

Edwin W. Sayler, '32, reports that he may be reached at Franklin, Nebraska.

Dennis E. Dahlgard, '32, has changed his address from Aberdeen, South Dakota, to Box 180C, Route No. 1, Seattle, Wash.

Bernard R. Buus, '35, has moved several times within East Cleveland and at present is located at 16012 Neladale Rd., East Cleveland, Ohio.

Otis Funyer, '37, informs us that his address is, 601 Murry St., Ely, Nevada.

James R. Scott, '38, is at present employed as Junior Civil Engineer for the U. S. Army Engineers, and may be addressed in care of U. S. Engineers, 1709 Jackson St., Omaha, Neb.

Robert R. Davis, '39, sends word that he lives on 13 State Street in Schenectady, New York.

Harold C. Hocker, '40, advises us to send future copies of The Gear at the following address: c/o Congreve & Co., Inc., 184 Pittock Block, Portland, Oregon.

GAMMA BETA

Norman B. Ames, '17, Grand Inner Guard, is back in the Air Corps. He completed a year of active duty last fall and resumed teaching at George Washington University, but Uncle Sam needed him so badly that he's back helping in the office of the Chief of Air Corps to "Keep 'Em Flying."

James A. Kelley, Jr., '28, a sub-grade specialist with the Public Roads Administration, has recently been doing work on airport runways for the local U. S. Engineer Office.

Ellsworth J. Hand, '33, formerly with the Operating Department of the Potomac Electric Power Co. is now with the Federal Power Commission. He is assigned to the War Production Board and is working on problems in connection with public utility expansion to meet national defense power requirements.

R. L. Leatherwood, '33, receives his mail at 3722 Chesapeake St. N.W., Washington, D. C.

John S. Shelby, '36, has recently been transferred to the Philadelphia office of the Aetna Casualty and Surety Company located at 316 Walnut Street.

Lee Hunterberger, '36, formerly with the Patent Office, is now in the Navy.

George H. Werner, '40, is with the General Electric Co. in Schenectady, New York, and resides at the YMCA, 13 State St.

Louis J. Naecker, '40, writes us that his present address is Avenel, Silver Spring, Maryland.

Guy R. Watson, '40, is in the Navy and is stationed at Charleston, South Carolina. It's doubtful whether he'll ever go to sea, as it is thought he would sink anything but a battleship.

Carl G. Eyarbrook, '41, is in the Navy. When last heard from, he was stationed at New London, Conn.

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.

THE GEAR cannot be forwarded on the original postage.

Name _____

Chapter _____ Class _____

Mailing Address _____ Street

_____ Post Office

_____ State

Subscribers in military service are requested to furnish a home address, because of the frequent shifting of the military personnel.

Permanent address from which mail will always be forwarded to you:

_____ Street

_____ Post Office

_____ State

KEEP US INFORMED OF YOUR
CORRECT ADDRESS

Send to

THE GEAR OF THETA TAU
210 Engineering Bldg.
IOWA CITY, IOWA

A RING FOR IDENTIFICATION

In these days of world conflict a ring is worn for identification. It enhances the appearance of your hand —and gives instant recognition wherever you go and identifies you with your fraternity.

WEAR YOUR RING PROUDLY.

★

Stationery samples sent to interested members. Frequent letters to your friends in the Service build strong morale and are a very definite defense contribution. Be Patriotic.

The 1942 Edition of the **Balfour Blue Book** carries a fine selection of rings as well as other gifts and favors.

★ Huge massive rings for men—or fine gold filigree for women.

★ Theme rings that suggest past associations.

★ Fine designs to show your good taste and discrimination.

★ Write for your own free copy on a government post card today.

See the special line of Chapter Gifts for men called to Service. The Balfour representative will show you these special gifts on his next call.

★

OFFICIAL JEWELER TO THETA TAU

Balfour leather is the favorite gift to the seniors or your friends in the Service . . . Leather for men or women . . . Saddle leather or baby calf . . . Less expensive in sheepskin.

L. G. BALFOUR COMPANY

FACTORIES IN ATTLEBORO, MASS.

Known wherever there are schools and colleges