

# THE GEAR

## OF THETA TAU



GRAND REGENT H. H. HOPKINS

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*Volume* **XXV**

*Number* **2**

**SPRING, 1936**



*The* GEAR of  
THETA TAU



SPRING, 1936

VOLUME XXV

NUMBER 2

# Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

## FOUNDERS

ERICH J. SCHRADER  
W. MURRAY LEWIS

ISAAC B. HANKS  
ELVIN L. VINAL

## EXECUTIVE COUNCIL

- H. H. HOPKINS, Beta '08 . . . . . *Grand Regent*  
1724 W. Fulton St., Chicago, Ill.
- PROF. J. M. DANIELS, Nu Hon. '22 . . . . . *Grand Vice-Regent*  
Carnegie Institute of Technology, Pittsburgh, Pa.
- 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 '19 . . . . . *Grand Marshal*  
Clemson College, South Carolina
- RUSSELL G. GLASS, Sigma '24 . . . . . *Grand Inner Guard*  
23401 Chardon Road, Euclid, Ohio
- R. W. NUSSE . . . . . *Grand Outer Guard*  
5011 S. Benton, Kansas City, Mo.

## DELEGATE AT LARGE

- FRED COFFMAN, Lambda '15 . . . . . *Past Grand Regent*  
P. O. Box 1204, Raleigh, N. C.

## ALUMNI ASSOCIATIONS

- Central Ohio*—Emmett E. Knorr, 60½ W. Northwood Ave., Columbus, Ohio.
- Chicago*—Dick Van Gorp, Room 700, 910 South Michigan Blvd., Chicago, Ill.
- Cleveland*—R. G. Glass, 23401 Chardon Road, Euclid, Ohio.
- Intermountain*—A. H. Sorensen, 407 Templeton Bldg., Salt Lake City, Utah.
- Kansas City*—R. W. Nusser, 5011 S. Benton, Kansas City, Mo.
- Southwestern*—W. A. Steenberg, Agricultural Eng. Dept., College of Agriculture, U. of Ariz., Tucson, Ariz.
- St. Louis*—H. R. Kilpatrick, 216 Elm Ave., Glendale, Mo. (c/o Kirkwood P. O.)
- Twin City*—Frederick C. Teske, Jr., 4254 24th Ave. S., Minneapolis Minn.

## 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) 233 College Ave., Houghton, Mich.
- GAMMA, *Established November 8, 1907* - - Colorado School of Mines  
c/o Prof. B. B. Boatright, Colo. School of Mines, Golden, Colorado
- 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) 1409 Tennessee Street, Lawrence, Kansas
- THETA, *Established May 26, 1914* - - - - - Columbia University  
c/o Prof. A. D. Hinckley, Eng. Bldg., Columbia University, New York City
- IOTA, *Established February 5, 1916* - - - - Missouri School of Mines  
Theta Tau Box, Missouri School of Mines & Metallurgy, Rolla, Mo.
- KAPPA, *Established March 25, 1916* - - - - University of Illinois  
c/o Prof. Jamison Vawter, 307 Eng. Hall, Urbana, Ill.
- LAMBDA, *Established April 29, 1920* - - - - - University of Utah  
Theta Tau Fraternity, Union Building, Salt Lake City, Utah
- MU, *Established January 3, 1922* - - - - - University of Alabama  
c/o Prof. Fred R. Maxwell, College of Eng., University, Alabama
- NU, *Established January 1, 1922* - - Carnegie Institute of Technology  
P. O. Box 114, Carnegie Institute of Technology, Pittsburgh, Pa.
- OMICRON, *Established February 3, 1923* - - - - University of Iowa  
(Chapter house) 804 North Dubuque Street, Iowa City, Iowa
- PI, *Established May 26, 1923* - - - - - University of Virginia  
(Chapter house) R. F. D. No. 3, Charlottesville, Virginia
- RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.  
P. O. Box 5325, State College Station, Raleigh, N. C.
- SIGMA, *Established November 29, 1924* - - - Ohio State University  
(Chapter house) 1965 Indianola Ave., Columbus, Ohio
- TAU, *Established December 12, 1925* - - - - - Syracuse University  
c/o Prof. E. F. Berry, College of Applied Science, Syracuse, New York
- UPSILON, *Established April 7, 1928* - - - - University of Arkansas  
216 Eng. Bldg., U. of Ark., Fayetteville, Arkansas
- PHI, *Established April 21, 1928* - - - - - Purdue University  
(Chapter house) 416 N. Main St., West Lafayette, Ind.
- CHI, *Established April 23, 1930* - - - - - University of Arizona  
Theta Tau Box, Engineering Bldg., University of Arizona, Tucson, Ariz.
- PSI, *Established May 7, 1932* - - - - - Montana School of Mines  
Theta Tau Fraternity, Care of Montana School of Mines, Butte, Montana
- OMEGA, *Established March 26, 1932* - - - - S. Dakota School of Mines  
(Chapter house) 1117 St. Joe St., Rapid City, South Dakota
- GAMMA BETA, *Established March 16, 1935* - George Washington University  
c/o Dean of School of Engineering, George Washington University,  
Washington, D. C.

# THE JAMISON VAWTER OR TWELFTH BIENNIAL CONVENTION



TOP ROW—Townsend, Jones, Smith (Theta), Fryberg, Sturgeon, Russell, Smith (Sigma), Christmann, Link, Sullivan, Bennetsen  
 SECOND ROW—Hubbard, Ryshanek, Skovholt, Matson, Moser, Quinney, Gillmor, Wall, Buus, Scofield, Anderson, Bass  
 THIRD ROW—Gillerst, Houston, Versaw, Smith (Rho), Lamb, Campbell, Wagner, McKendrick, Perry, Daniel  
 FRONT ROW—Howe, Mercer, Glass, Curtis, Schrader, Coffman, Hopkins, Vawter, Daniels

# The Jamison Vawter or Twelfth Biennial Convention

Kansas City, Missouri, December 28-30, 1935

Precedent was broken when Theta Tau for the first time gave a name as well as a number to a biennial convention. In recognition of Jamison Vawter's long and honorable service to Theta Tau, the 12th Biennial Convention was named for him because of its proximity to his alma mater, and because its host, the Kansas City Alumni Club, is composed mainly of members of his own Zeta Chapter.

The Executive Council again displayed its sagacity and foresight in selecting convention dates during the only period of mild weather which interrupted a winter of record-breaking severity in the middle west. The convention was comfortably housed in the Newbern Hotel, situated at a

supposedly safe distance from the down town district to insure adequate attention to fraternity business. This precaution proved unnecessary, however, since the delegates showed a disposition to discharge their fraternal duties efficiently and to discover the pleasure spots as well.

Delegates began arriving on the 27th, and by the middle of the evening (midnight) most of the chapters were represented. The Credentials Committee began its work early, even examining some of the delegates enroute from Chicago to Kansas City. The good work was continued as the delegates appeared and was practically completed by the time the smoker began. Many Kansas City Alumni attended the smoker, and acquaintances



Daniel, Mu—Grand Regent filled his shoes

McKendrick, Lambda Specialized in roses

Sullivan, Sigma 9:00 A.M. seemed early

Nusser, K.C.A.C. "the perfect host"

ripened rapidly as the brothers identified each other by their name tags and exchanged the grip.

At 11:00 A. M. December 28, Brother Link, as representative of the youngest chapter, called the convention to order and presented the Executive Council in the proper ritualistic form. The Grand Marshal then vouched for the following officers and delegates:

#### OFFICERS

Fred Coffman, Lambda '15, Grand Regent  
H. H. Hopkins, Beta '08, Grand Vice-Regent  
Erich J. Schrader, Alpha '05, Grand Scribe  
Jamison Vawter, Zeta '16, Grand Treasurer  
D. D. Curtis, Omicron, Hon., Grand Marshal  
J. M. Daniels, Nu, Hon., Grand Inner Guard  
Russell G. Glass, Sigma '24,  
Grand Outer Guard

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

#### DELEGATES

Alpha	Earl Bennetsen
Beta	L. S. Campbell
Gamma	John Christmann
Delta	Robert L. Wagner
Epsilon	Galen H. Sturgeon
Zeta	W. Fleming Scofield
Theta	Albert J. Smith
Iota	John R. Hubbard
Kappa	H. D. Townsend
Lambda	Maurice N. McKendrick
Mu	Kenneth Daniel
Nu	Henry Ryshanek
Omicron	John S. Perry
Pi	Barth J. Gilcrist
Rho	Thomas O. Smith
Sigma	J. F. Sullivan
Tau	Richard Freyberg
Upsilon	J. Mack Jones
Phi	Norman R. Moser
Chi	George Houston
Psi	Harold Hosea
Omega	Raymond Versaw
Gamma Beta	J. Harold Link
Twin City Alumni Association—	
	J. W. Skovholt, Alpha '32
Intermountain Alumni Association—	
	Erich J. Schrader, Alpha '05
Chicago Alumni Association—	
	H. H. Hopkins, Beta '08
Cleveland Alumni Association—	
	R. G. Glass, Sigma '24
Central Alumni Association—	
	Claude H. Wall, Sigma '20

Grand Regent Coffman began the business of the convention by appointing members to the numerous working committees. Robert's Rules of Order were adopted for the convention, and Brothers Vawter and Link were appointed parliamentarians.

At this point the doors were closed to interruptions, and the memorial service for deceased brothers was impressively conducted by the Grand Regent.

In the afternoon session, the Credentials Committee gave its report which indicated that better than 80 per cent of the delegates were found to be proficient in their knowledge of the ritual and general fraternity information.

The remainder of the afternoon was devoted to reports from the Executive Council and delegates. Grand Vice-Regent Hopkins' report told of his visits to chapters and his interest in developing stronger alumni relations. The collection of historical data was cited as a means of bringing alumni together.

Grand Scribe Schrader then read his report. A summary of membership increase for the biennium showed the addition of 560 Theta Taus during the biennium (full summary on page 10). His correspondence dwindled to a mere 1261 letters during the period, in contrast to 1991 for the preceding biennium. There followed recommendations concerning the power of chapter advisers, the efficiency contest, a manual, and a directory, most of which found their way into subsequent legislation.

The report of Grand Treasurer Vawter revealed a healthy condition in the National Treasury. Although revenues dropped about one thousand

dollars due to decrease in chapter membership, the comparatively inexpensive convention at Chicago enabled the treasury to show a thousand dollar profit for the biennium.

Grand Marshal Curtis reported on the business of his office and presented several suggestions to chapters which would tend to minimize mistakes in the fraternity records.

The reports of the Grand Inner and Outer Guards, Brothers Daniels and Glass, dealt with their chapter visits and suggestions for the benefit of the

circulation had jumped 81% during the biennium. In spite of this increase, publication costs had been held constant.

In the evening the Executive Council conferred with many of the delegates individually upon the problems of their chapters. These conferences were held early in order to permit attendance at the dance arranged by the Kansas City Alumni Club. For this event, delegates descended en masse upon the Pla Mor Ball Room, accompanied by Kansas City's fairest,



Big men from the East: Link, Gamma Beta, Coffman, Grand Regent

Smith, Sigma, and Wall, Central Ohio A. A., kept track of Sullivan

"Little Brown Jug" Houston, Chi; "Gentleman from Virginia" Gilcrest

Omega had largest delegation: Matson, Quinney, Gillmor, Buus, Versaw

fraternity. Brother Glass' suggestion for regional meetings seemed particularly good and was later authorized by the convention.

THE GEAR report summarized the changes made in the magazine since the eleventh convention and presented a summary of the operations of the life subscription plan for the first five years. Although based upon estimates made in the rosy days of 1929, the life subscription fund was 23% larger than expected after five years. More than 77% of the eligible subscribers were receiving THE GEAR, and total

all of whom had been selected by that discriminating (and only recently married) alumnus of Zeta Chapter, Brother Paul Dwyer. After a period of hours, the delegates began straggling in with nothing but praise for the arrangements of the Alumni Club.

The second day was given over largely to reports of the alumni associations and the standing committees. First to report was the Auditing Committee which found the books of the Grand Treasurer and THE GEAR Editors in order. The alumni association reports indicated that a

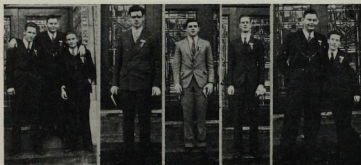
fine spirit of coöperation existed between the Twin City A. A. and Alpha Chapter, and between Central Ohio A. A. and Sigma Chapter.

The prolonged economic depression was reflected in the report of the Extension Committee which, for the first time in the history of the fraternity, had no petitions to present to a convention. The Ritual Committee reported the adoption of the opening ceremony for conventions and made no new recommendations or revisions. Discussion from the floor resulted in

some modification, the resolutions were adopted.

Regional meetings, suggested by Brother Glass of Cleveland A. A., were referred to the Executive Council. Following the report of the Insignia Committee, Brother Coffman recommended the adoption of a recognition button similar to the present pledge button but with dimensions reduced one-half. The recommendation carried.

The Publications Committee made recommendations to the Executive



Cowboy Christmann,  
the Jones boy,  
"Jug" Houston

Scofield,  
Zeta

Hubbard,  
Iota

Sturgeon,  
Epsilon

Kilo-Jones  
Micro-Smith

the passing of a motion that robes or formal attire be worn by all officers in presenting the ritual of initiation.

Upon the recommendation of the Constitution Committee, dues for active members were increased one dollar subject to discount of the same amount when paid promptly. This legislation has the effect of applying a penalty on delinquent dues, but not of increasing the dues of those who remit at the proper time. The Constitution Committee also offered a resolution broadening the powers of the chapter adviser, especially in regard to financial problems. With

Council in regard to the Efficiency Contest proposed at the last convention. It also favored the publication of the fraternity Sweetheart song. These recommendations received unanimous acceptance.

At this point Grand Regent Coffman gave his biennium report which contained a recommendation for the most important legislation enacted by the convention. Reviewing the financial policies of the fraternity, he showed the need for greater income, and at the same time the undesirability of increasing the dues of the undergraduate members. He felt that more



frequent visits to the chapters, regular publication of a directory, and even the establishment of a national headquarters were services which the fraternity should give to its members, but which are out of the question so long as all income comes from the undergraduates. He felt, also, that thousands of loyal and established alumni would welcome the opportunity to do their fraternity a practical service. He then moved that he be authorized to solicit voluntary alumni

a life subscription which marked his return to the status of "private citizen" in the fraternity. Very appropriately, the second day's business came to a close.

That evening the delegates and many Kansas City alumni had the pleasure of seeing the Executive Council conduct the ritual of initiation for a Zeta pledge, Murrell Finton. Following the ceremony more than one hundred Theta Taus sat down to an excellent banquet. When the food



The X-C relaxed for a minute:

Curtis, Schrader, Daniels

These more frequently: Hubbard,  
Freyberg, Wagner, Smith, Gilchrist, Perry

Glass, Coffman

Mercer, Ryshanek, Hubbard, Christmann,  
Moreland, Townsend, Houston, Jones, Howe

dues of one dollar per year to be used in increasing the service of the fraternity to its members. He generously offered to defray the considerable cost of circularizing some 6000 alumni from his own pocket, should the alumni fail to respond. The convention gave Brother Coffman's motion enthusiastic approval. As he concluded his report, Brother Coffman stepped down from the chair and gave THE GEAR Editors fifteen dollars for

had been vanquished, Brother Brother-son, Zeta '24, took charge of the speaking program and gave a masterly demonstration of the gentle art of Toast Mastering. Brothers Schrader, Vawter, Coffman, and Hopkins were called upon for short talks, and each responded so adequately that all regarded the occasion as the high point of the convention. Brother Wahlstedt, Zeta '21, lived up to his advance press notice in THE GEAR and

sang an excellent tenor which brought wild applause from his audience.

On the third morning the convention came to a close with the adoption of resolutions and the election of officers. The election placed in office:

H. H. Hopkins, Beta '08, Grand Regent

J. M. Daniels, Nu Hon., Grand Vice-Regent

Erich J. Schrader, Alpha '05, Grand Scribe (Re-elected)

Jamison Vawter, Zeta '16, Grand Treasurer (Re-elected)

Donald D. Curtis, Omicron Hon. '19, Grand Marshal (Re-elected)

Russell G. Glass, Sigma '24, Grand Inner Guard

Ralph W. Nusser, Zeta '28, Grand Outer Guard

As the meeting drew to a close, Brother Link, Gamma Beta, asked that the youngest chapter be permitted to present the gavel used at the convention to the retiring Grand Regent, Fred Coffman, and to buy a new one for the fraternity. The suggestion was given unanimous approval.

At this point the new officers were installed, and the twelfth convention came to a close.

## Membership Increase During Past Bienniums

One effect of the late depression is revealed by the following membership statistics. An increasing rate of growth occurred up to the end of 1929. Then came a gradual decline in membership additions which reached a minimum in 1935. Present indications are that this will be the low point in the fraternity growth rate. Chapter rolls are even now snapping back to pre-depression totals.

The growth of individual chapters during the past two lean years is shown in the second part of the table.

Date	Biennium		Increase	Chapter	Past Biennium		Increase
	Beginning	End			1933	1935	
1925-27	2943	3502	559	Alpha	384	402	18
1927-29	3502	4185	683	Beta	369	398	29
1929-31	4185	4824	639	Gamma	432	457	25
1931-33	4824	5451	627	Delta	350	368	18
1933-35	5451	6011	560	Epsilon	372	406	34
				Zeta	334	357	23
				Theta	195	221	26
				Iota	306	329	23
				Kappa	425	444	19
				Lambda	310	341	31
				Mu	185	205	20
				Nu	230	263	33
				Omicron	191	208	17
				Pi	146	185	39
				Rho	177	188	11
				Sigma	165	186	21
				Tau	136	154	18
				Upsilon	93	108	15
				Phi	121	132	11
				Chi	79	114	35
				Psi	36	55	19
				Omega	64	90	26
				Gamma Beta	00	49	49
				*Eta	301	301	00
				*Xi	50	50	00
				Totals	5451	6011	560
				*Charter Suspended			



# The Executive Council

*Grand Regent H. H. Hopkins*

OUR newly elected Grand Regent, H. H. Hopkins, "Hop" to his friends, is very unassuming. He says, "Never realized until now how little I've done, mostly sitting at the 'crossroads' contacting alumni of Theta Tau and Michigan Tech." Others realize, however, that when a busy executive will take time to make such contacts, he has something the fraternity can use.

Born in Chicago, he has camped there most of the time since. The Michigan College of Mines gave him the degree of Mining Engineer in 1908, but his career in Theta Tau began shortly after

Beta's installation at Tech. in 1906, when he was initiated as an alumnus of the Rhombohedron Club.

The death of his father shortly after graduation obliged him to look after details of the family business which has since been his principal occupation.

At the time of the formation of the first Executive Council, Brother Hopkins was elected Grand Scribe, serving as such until 1919. In 1931 he was appointed acting grand vice-regent to serve as assistant to Brother Hubert H. Hall, upon whose death he became grand vice-regent, his office until the past election.

He corresponds with many personal friends, mostly engineers, in countries scattered all over the world. Being at the crossroads of transportation he

has kept in close contact with these men as they pass through Chicago. Such meetings keep him interested in and familiar with life and conditions in many countries. "Naturally," he says, "I enjoy travel stories."

Brother Hopkins takes a man's usual delight in hunting, fishing, and particularly camping; but such social athletics as golf and tennis find him an occasional participant.

To his initiative we owe the first magazine of the fraternity. He suggested to Beta Chapter that the three chapters, Alpha, Beta, and Gamma, publish a list of members and a news letter. He made out the mailing list and wrote the Beta Chapter letter with Brother Roy Earling's assistance in an editorial capacity. They proposed that each man in Beta Chapter pay one dollar for a copy. The chapter was to guarantee the additional outlay up to twenty-five dollars, and the two "publishers" were to stand any expense over that. The venture broke even, and Brother Hopkins still possesses a copy of this original edition of *THE GEAR*.



*Grand Vice-Regent J. M. Daniels*

GRAND VICE-REGENT DANIELS has served on the Executive Council of Theta Tau since the Tenth Biennial Convention at which he was elected Grand Outer Guard.

Brother Daniels began capturing honors as a high school student. His high school record rewarded him with a scholarship to the Kiskiminetas Springs School at Saltsburg, Penn., which ushered him out in 1916 as an honor man in the scientific course. At this time he competed for the University of Pennsylvania's open scholarship, entitling the winner to

a one year course, and bagged the prize. However, when the United States entered the War he enrolled in the Naval Reserve force and was stationed in the Naval Unit at the University of Pittsburgh. His scholarship was then transferred to this school, and 1922 saw him a graduate with a B. S. in Civil Engineering.

Since then he has been patiently explaining stresses and strains as an associate professor of civil engineering at Carnegie Tech. Nu Chapter at Tech. added him to Theta Tau's roll as an honorary member.

Much of his professional work has been done at the Materials Testing

Laboratory where he has conducted commercial research experiments for a lengthy list of companies, a few of which are: the American Bridge

Company, National Safety Council, Stone & Webster, Bell Telephone Company, Westinghouse Electric and Manufacturing Company, and Curtiss - Wright Flying Service.

During his college days Brother Daniels won his letter on both baseball and basketball squads. He still takes quite an active interest in sports. During the fall he leads the precarious life of a referee, tooting the

whistle in high school football games; and one doesn't become a member of the Pennsylvania Interscholastic Athletic Association, secretary-treasurer of Certified Football Officials Association of Western Pennsylvania, and Athletic Council representative of the general faculty at Tech. merely by reading the scores in the sport section.

Besides Theta Tau, Brother Daniels is a member of Phi Delta Theta and Sigma Xi, as well as being a 32nd degree Mason.

This account illustrates the truth of the adage, "If you want a thing done well, find a busy man."



## Grand Scribe *Erich J. Schrader*

BROTHER Erich Schrader's devoted service to Theta Tau is so closely interwoven with the fraternity history that *Theta Tau* and *Erich Schrader* have become almost synonymous.

Brother Schrader was born in Bremen, Germany and received his early education in the private schools of Germany and the public schools of St. Paul and Minneapolis. As students at the University of Minnesota, he and Brothers Hanks, Lewis, and Vinal organized on October 15, 1904, as the Hammer and Tongs fraternity. It was a year after his graduation in 1905 that a second chapter was established.

From 1905 until 1919, Brother Schrader was Grand Regent, seeing the fraternity grow chapter by chapter until, with his retirement from this office, Theta Tau numbered ten chapters. His judicious guidance in the selection and establishment of these chapters has provided such a solid, substantial basis for subsequent growth that we now feel Theta Tau will endure as long as there are fraternities. At the Fourth Convention of Theta Tau in 1919, Brother Schrader retired as Grand Regent and became Grand Scribe, feeling that in this position he could be of more service and keep in closer touch with

the fraternity members and affairs. Since undertaking the highly important duties of Grand Scribe, he has corresponded with hundreds of mem-

bers and written many thousands of letters. No other man in the fraternity is acquainted with as many members as he, for he knows personally more than 2000 Theta Taus.

Brother Schrader's service is particularly remarkable when we realize that he is a successful consulting mining engineer whose time is largely absorbed by three or four industrial clients. Aside from his professional and fraternity duties he has used his

leisure (!) to become a contributor to the Technical Press and to secure data on various mines for publication. When he so desires, Brother Schrader can organize a class in "How to Live on Twenty-four Hours a Day."

In Brother Schrader we find the embodiment and personification of the ideals which he has given the fraternity he founded, and the opportunity to instill these ideals into the younger members gives Theta Tau its real significance. It may be truthfully said that Brother Erich Schrader is first, not only in number, but also in service to Theta Tau.



*Grand Treasurer Jamison Vawter*

BROTHER JAMISON VAWTER has been on the Executive Council for fourteen years, two as Grand Outer Guard, and twelve in the highly important post of Grand Treasurer.

After interruptions and three years of railroad work, Brother Vawter graduated from the University of Kansas in 1916 with a bachelor's degree in civil engineering. Since graduation he has concerned himself mainly with teaching, his professional work outside the field of education consisting of about six years' work with the Santa Fe Rail-

way in capacities ranging from chain-man to assistant engineer.

Brother Vawter served in the army for a little over two years during the War, first as a lieutenant, and later as a captain in the Engineer Corps. He took part in the St. Mihiel and Meuse-Argonne battles and was present in the occupation of two defensive sectors. He was also in Germany with the Army of Occupation.

He was on the staff of the University of Kansas for two years, and has been at the University of Illinois since 1922 as Assistant Professor and Associate Professor of Civil Engineering. He collaborated with Brother Thomas

C. Shedd in writing the book, *Theory of Simple Structures*. Brother Vawter is married and has two children, both girls; therefore, no second generation is due in the fraternity.

"My favorite sport," Brother Vawter mentions, "used to be fishing, but I have had no time for that since being Grand Treasurer, except fishing for funds."

Brother Vawter has affiliations with a number of honorary societies: Tau Beta Pi, Chi Epsilon, Tau Nu Tau, Sigma Xi, and Scabbard and Blade. He is also a member of A. S. C. E., A. R. E. A.,

and S. P. E. E., and of the Masonic Order and Shrine. Since its establishment in 1928 he has represented Theta Tau on the council of the Professional Interfraternity Conference, serving as president of the Conference from 1931 to 1933. To honor Brother Vawter for his devoted service to the fraternity the last convention was designated as the Jamison Vawter or Twelfth Biennial Convention of Theta Tau.

To the office of Grand Treasurer he brings a blending of the authority of the officer, the accuracy of the designer, and the common sense of the practicing engineer.



*Grand Marshal Donald D. Curtis*

To the actives, Brother Donald D. Curtis is best known as the man who sent their shingles, but alumni may remember him as a former editor of *THE GEAR*.

Brother Curtis started out in life on an Iowa farm, attended country schools until he was 13 years old, and graduated from Greene High School in 1914. That fall he entered the University of Iowa. In five busy years at the University he received a B. S. in Civil Engineering, and earned nearly enough additional

credit for a B. A. degree. His outside activities included membership in a writers' club, participation in student government affairs, and working to help pay his expenses.

Following graduation Brother Curtis worked a year for the Big Four Railway in the division office in Springfield, Ohio; then with the Canfield Engineering Company, structural engineers, in Des Moines, Iowa. During the years 1921 to 1929 he was an instructor in Mechanics and Hydraulics at the University of Iowa.

Brother Curtis was well acquainted with the local which became Omicron Chapter, and in April, 1925, he was initiated as Omicron's second honor-

ary member. In December of that year he became active in Theta Tau work and was appointed editor of *THE GEAR*. In this capacity he compiled and published the Fourteenth General Directory of Theta Tau. It was the first one in five years, and because no files or records were available, this gigantic task started from "scratch."

At the Eighth Biennial Convention in Chicago, Brother Curtis was elected Grand Marshal in addition to his duties as editor of *THE GEAR*.

When in 1929 he accepted the position he still holds as professor of Mechanics and Hydraulics at Clemson College, South Carolina, he resigned from the latter office leaving behind an excellent record of editorial accomplishment.

Brother Curtis attended the graduate school at the University of Washington, Seattle, but secured his M. S. degree at the University of Iowa.

The interests of Brother Curtis are his son, ten years old, reading, golf, music, and his home work shop. He is a member of A. S. C. E., S. P. E. E., Tau Beta Pi, Sigma Xi, and the Masonic Order.



*Grand Inner Guard Russell G. Glass*

WHEN reviewing the records of younger Theta Tau alumni in 1933, the Eleventh Biennial Convention liked that of Brother Russell G. Glass so well that he was elevated to the Executive Council as Grand Outer Guard. Again in 1935 the last convention considered him its best choice for Grand Inner Guard.

"Russ" has a fine record in Theta Tau. While attending Ohio State University and working toward his Civil Engineering degree he became a member of the Engineers' Club. As a member of this group he helped prepare the ground for affiliation with Theta Tau, and when the Sigma charter was granted he was initiated as one of the founders of that chapter. While in school he also became a member of Sigma Phi Sigma. His college experience was thus unusually broad in fraternity problems.

Unlike many graduates he did not lose contact with the fraternity as an alumnus. He promptly affiliated with the Central Ohio and the Cleveland Alumni Associations. For many years he has acted as secretary of the Cleveland Association and has been largely responsible for its functioning.

This devotion to the fraternity seems all the more remarkable when the fact that he leads a normally busy life, in addition, is considered. Being married and providing for a wife, a

daughter, and a future Theta Tau should keep the average individual busy. However, Brother Glass takes part as well in Masonic Lodge work and is active in the Euclid Kiwanis Club.

Professionally, Brother Glass sits behind a door reading, "Manager, Stoker Division, Pocohontas Fuel Co." Although exposed to the mysteries of Civil Engineering in college, he somehow strayed from the fold and has since been designing mechanical "truant officers" for B. T. U.'s. This shift from civil to mechanical engineering entailed the burning of considerable midnight oil, as many older alumni



can testify from their own experience. It emphasized still more strongly his loyalty to Theta Tau in devoting time to alumni affairs.

Personally, "Russ" classifies as a good sport with a level head and a lot of enthusiasm. His visits to chapters as a representative of the Executive Council have proved extremely successful in stimulating chapter activities. His recommendation for regional meetings among adjacent chapters which was presented at the last convention is further evidence of the thought he gives to fraternity work. In his leisure time he likes a rod or a canoe, and frequently takes his family to Canada where there is abundant opportunity for fishing and canoeing.



*Grand Outer Guard Ralph W. Nusser*

BROTHER RALPH W. NUSSEr's election to the office of Grand Outer Guard makes him the youngest member on the Executive Council, both in years and service as a grand officer; but judging by his successful handling of the last convention, he is certain to be a valuable addition to the Council.

This future Theta Tau made his appearance in 1905 in St. Joseph, Missouri. Having spent as much time in Kansas as in Missouri, he claims to be a native of both. His public school education was obtained in Kansas City, Missouri, but he chose the University of Kansas for his engineering instruction. Here Zeta Chapter initiated him in February, 1925; in 1928 he graduated with a B. S. in Civil Engineering.

In 1929 he married an Alpha Chi Omega from Baker University, and after seven years of double harness, finds himself with two fine children, Barbara Ann, 5 years, and Robert, 2—scarcely an immediate prospect for the rushing committees.

Brother Nusser's first professional work was with the Chicago Bridge and Iron Works, Chicago. Next he was employed by the Kansas State High-

way Department. In 1930 he worked in the Building Material Division of the Berger Manufacturing Company, Kansas City, Missouri, and during

1931-32 the Kansas City Division of the Truscon Steel Company employed him. To divert the wolf from his door he spent 1933-34 with the A. P. Nichols Investment Company, doing property management and maintenance work. In 1935 he went to the Sheffield Steel Corporation, a Kansas City mill, and at present is in the Reinforcing Steel division of that company.

"My hobby, if any," he says, "is Masonry." He is a line officer in Ivanhoe Lodge No. 446, A. F. and A. M., Kansas City, which is the largest Masonic Lodge in the world. He is also a member of Kansas City Chapter 28, Royal Arch Masons.

Brother Nusser's favorite sports are baseball and ice hockey. And we will all agree with him when he confesses, "My favorite aversions are mowing the lawn and going to the barber shop." He is interested in tropical fish and writing. Concerning these he writes, "My success with the fish has been marked at times, but not as much can be said of my writing."



*Delegate at Large Fred Coffman*

LIKE Brother Schrader, Brother Fred Coffman, Past Grand Regent, is characterized by his intense interest and active participation in Theta Tau. The generous spirit in which he has undertaken the project of soliciting alumni dues is proof of his loyalty.

Born in Utah on Easter Sunday, 1894, he has been a "good egg" ever since. He admits he is more proud of his western birth than Mae West is of her figure, and says he is a typical example of the old adage, "You can take the boy out of the country, but you can't take the country out of the boy." What he means by "country", however, others recognize as a wholesome, democratic sincerity which wins friends wherever he goes.

After attending the University of Utah for three years Brother Coffman passed the next five as assistant construction engineer for the Utah-Idaho Sugar Co. His senior year was spent at Leland Stanford where, in 1922, he was graduated With Distinction a month early so that he could sail for Alaska as chief draftsman for the Pioneer Gold Dredging Co. Later he was associated with a firm of consulting engineers in Charlotte, N. C. In 1928 he became resident engineer on

five of the largest buildings of Duke University at Durham, and as a mark of esteem for his service on the project the seal of Stanford was carved

on one of the stones that adorn the Union Building. He is now field engineer for the W. P. A. of North Carolina.

"Fraternalities" are his chief hobby. He has helped install Rho, Sigma, and Gamma Beta Chapters of Theta Tau. He was initiated into Phi Sigma Kappa at the University of Montana. Utah Alpha of Tau Beta Pi has extended a bid to him, and he plans to be initiated at

the University of North Carolina on his next birthday.

Sports also interest Brother Coffman. He was a miler on the University of Utah track team, and probably holds the record for football attendance—13 games in one year. But rivaling this interest are the moving pictures—he often sees three in one day, and admits he "adores" them.

Although he has been privileged at various times to use many titles, engineering and otherwise, he still prefers to sign his name above the phrase, "No. 32, Lambda Chapter of Theta Tau." Theta Taus are glad that Brother Coffman can continue his fraternal contacts as delegate at large.





# Off the Record

The keynote of the convention was sounded by Grand Regent Coffman early in the first session when he pointed out that "Procrastination is

the thief of time."

Suffice it to say that at least so far as we were concerned, and so far as we could observe, very little time out of the three days

of the convention was stolen for sleep. But how we did revel in shut-eye when we got home!



Some hitherto unsuspected historical notes on the fraternity came to light during the examination of dele-



gates. For instance, we learned that Venus was one of our founders. Perhaps that accounts for the rapid growth of membership in our early days.

An extension of the powers and responsibilities of our faculty advisers seemed to meet with approval on all sides. On the question of how far the extension should go there was much debate, but in general, every-

one agreed with Brother Wagner from Delta Chapter that supervision of the purchase of "bathroom stationery" was going a bit further than is required.

Brother Coffman paid a pretty high compliment, in our opinion, to our many fine Past Grand Regents, and also to the many to come, when he claimed to be the worst Grand Regent we will ever have. We think Brother Fred Coffman has done a bang-up job in the office, and know that all agree that few others have been more imbued with real love for the fraternity than has he.



The daily appearance of a fresh Jacqueminot rose decorating the officers' table in the convention hall was a pleasing innovation. These roses were presented by the Lambda delegate in honor of Grand Regent Coffman, Lambda '15. It is hoped that this will start a tradition for our future conventions, whereby the delegate from the chapter of the presiding officer will similarly honor the Grand Regent and the fraternity at each of the sessions.

Our official flower was also much in evidence at the Banquet where one was used to adorn the lapel of each of the national officers and GEAR editors.

The highlight of the "extra-curricular" activities of the Jamison Vawter or 12th Biennial Convention was undoubtedly the Delegates Dance at Kansas City's Pla Mor. Suggested by Brother Schrader, sponsored by our hosts, staged by Brother Dwyer, and attended by nearly all of the active delegates and alternates, this was really a successful event.

The dazzling array of feminine pulchritude rounded up by Brother Dwyer and parcelled out to the brothers would have done credit to Flo Ziegfield in his palmiest days. Thetas from Missouri U., Kappas from



Kansas, beautiful platinum blondes, quiet demure brunettes, z e s t f u l, vivacious titians, and so on and so on. No, there was nary a complaint on dancing partners. A suspicion lurks that this dance had much to do with several seniors' inquiries concerning opportunities in engineering fields for employment in Kansas City about next June.

Brother Dwyer's success as a dating agency for worthy Theta Tau boys is not entirely new. During his days at Kansas U. he frequently served in this capacity for his more un-



fortunate brothers in Zeta chapter. It is reported that, as a senior, he offered to secure dates for a party in Kansas City if any of the boys needed them. The chapter complotted against him and asked for dates for its entire membership, but Brother

Dwyer rose to the occasion and presented the boys with as smooth an assortment of dates as they had ever witnessed. What a man!

During the wee small hours after midnight, when committee work could be forgotten, the enterprising night clubs of Kansas City were investigated. Slop-py Joe's Place, the Green Lantern, Mike's Back Yard, the Chesterfield Club, and the Reno



Club seemed to be favorites. Our demon reporters accompanied by a Don Juan of their own choosing visited one of the quieter (?) establishments to get the low-down—and it was pretty low, too—on the activities so alluring to the playboys of the convention.



We wonder what it could have been that Brother Jones said to a certain hostess to which she took umbrage—as Sidney Marine would say. Our guess is that the Jones boy said, "No."

We wondered whether Brother Wagner's wording was premeditated or accidental when he reread the resolution honoring our Grand Treasurer

and said that Brother Vawter had given "unstingy-ngly" of his time. If this was sarcasm, Brother Schrader evened the count when he asked that the report be filed with him, saying "I can read it."

Brother Coffman claimed the distinction of being Theta Tau's first All-American Grand Regent when he appeared at the banquet wearing a suit from Colorado, underwear from North Carolina, socks from Tennessee, and shoes from Alabama. We could believe all but the last. Some of the



boys told us they don't wear shoes in Alabama!

### *Potpourri*

Brother Wall's lost pen "which gives forth green ink"—the difficulty some of the delegates experienced in saying "Brother Hubbard"—the hot and bothered appearance of the delegates at the credentials session in contrast to the zero weather outside—the inability of the western cowboys to cope with the heavy beverages of Kansas City—the comment that Brother Daniel of Mu "hit the nail on his head"—the round corner on the Newbern Hotel which made it easy to distinguish regardless of one's condition.

### *Versaw=tility*

Brother Ray Versaw, newly elected regent of Omega Chapter, during his four years at the South Dakota School of Mines, not only has been outstanding in athletics and studies, but has also been a leader in many phases of school and fraternity activities. Because of his many achievements he was chosen by the faculty as one of three men to represent S. D. S. M. in the 1935-36 "Who's Who Among Students."

Brother Versaw has earned four letters in football, three in track, one in basketball, and was football captain for the 1935 season. He acted as treasurer of the Junior Class and was elected to Sigma Tau in 1934-35, serving Tau Chapter of this organization as president.

Previous to his election to the regency, Brother Versaw has served Theta Tau in the capacity of treasurer, vice-regent, and corresponding secre-



tary, and was Omega's official delegate to the Jamison Vawter Convention.

Brother Versaw intends to continue for a fifth year at the School of Mines and receive degrees in both civil and electrical engineering in 1937.

# As It Looked to the Delegates

L. S. Campbell—*Beta*

The Twelfth Biennial Convention will long remain one of my most pleasant memories. Pleasant in that the fellowship and acquaintances that were made there are something to look back on with pleasure, and pleasant in the memory of work accomplished and well done.

It is only natural that some of the moments of pleasure derived from the convention should be found outside of the convention proper. One outstanding in my mind is the thought of Brothers Wagner and Link trying to affect nonchalance while being "made a fuss over" by the very maternal army officer's wife.

I only hope to meet some of the brothers I met at the convention at some future time.

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John J. Christmann—*Gamma*

My impressions:

1. The perfection with which Brother Nusser and the Kansas City Alumni Association put on the convention.

2. The perfect string of females that Brother Dwyer has, and a married man at that! Does his wife know?

3. The dramatic entrance of our outstanding delegate, "Bruthuh Jones, Oopsilon, Arkansas Univusity."

4. Our delegate from Alabama was the first I ever saw from that state that could wear shoes just like he was used to it. And they fit Brother Coffman, too.

5. What is this we hear about the departure of our notorious Arizona

Jug? Reports say he was labeled "Liquid, This Side Up" when put on the train for good old Arizona.

6. I only hope that someone will remember to have a pair of boxing gloves at the next convention to be used by Brothers Vawter and Coffman. As long as they insist on putting on a show, why not add a little sport to it? Just a couple of love birds at heart.

7. I haven't figured out as yet the purpose of the beds in each of the rooms. As far as I know, not many of them were used. What a place, Kansas City!

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Sturgeon—*Epsilon*

Our chapter here on the Pacific Coast is more or less isolated from the other chapters and also from the main centers of fraternity activity. The convention for us, therefore, has increased importance as a means of keeping up relations with the fraternity as a whole. In this respect, which of course is its main purpose, the convention to me was unusually successful.

It was a great pleasure to be able to meet and exchange ideas with the men who guide our national organization. Most of them, heretofore, have been known to us only as names in *THE GEAR*.

Brother Vawter stated that this convention showed more unity and consideration for the fraternity as a whole than previous ones. However the comparison be, the spirit was certainly one of combined effort for the

good of the fraternity, and I believe the legislation enacted is substantially sound.

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W. Fleming Scofield—*Zeta*

It was an unusual sensation to witness the initiation of a Zeta man by the Grand Council with the oldest member of Theta Tau presiding. To me, this is representative of that strange feeling persisting between Theta Taus, a feeling of the eldest imparting to the youngest the traditions and customs of the fraternity. The four candle sticks, so graciously granted to Zeta Chapter by the Grand Council, will keep this eventful evening alive, not only in my memory, but also in the memory of Zeta men of the future.

While I was impressed by the cooperation and fraternal spirit of the delegates from the various schools, I think that the most valuable concept I obtained at the convention was the significance of Theta Tau to the men who have long since become professional engineers. It is not difficult for me to realize a college man's enthusiasm for his fraternity; nor does it appear strange to me that professors, with their close relationship with students and student activities, should hold a profound interest in this brotherhood; but to know that alumni who are practicing their profession in all parts of the world, far and near, still hold enthusiasm for Theta Tau, makes me realize the power and value of this fraternity.

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A. J. Smith—*Theta*

Several things in connection with the convention gave me a big thrill.

Besides the brand new experience of riding a train sleeper, also of riding the observation car, and all the little details which make traveling enjoyable, I got a big kick out of meeting so many fellows from so many different parts of the country. Our hosts were hosts gallant, especially Brother Nusser. And what little I saw of Kansas City, I ate up.

A party consisting of Brothers Link, Ryshanek, Hubbard, Freyberg, another whose name escapes me, and myself did get out to see the TWA plant. After touring the plant, watching the planes land and take off, some of the boys took a ride over the smoke and haze. We then decided we had to set foot in Kansas. Into a taxi we piled (called by means of the street telephone, another novelty), directed the driver to take us across the bridge, piled out of the taxi directly we had arrived in Kansas, paid the driver, dismissed him, set our feet on Kansas soil, walked across the street, hailed the same driver much to his astonishment and perplexity, and calmly drove back to Missouri, quite contented and with a little of the spirit that Caesar must have had when he pronounced his immortal "Veni, vidi, vici"—for most of us it was a new state conquered. Silly? Yes. But we had lots of fun, and the driver's bewilderment was worth it.

The main contribution which the convention trip made to my little store of experience happened on the way home. On January 1st at the hour of midnight, I boarded the train in Chicago entirely unaware of what fate was casting my way. On the platform of the car I overheard a cute French accent explaining in a

sorrowful tone how her beautiful police dog was being separated from her for the night—he was put in another section, poor thing! Of course, always mindful of the superiority of Man over Beast, I felt that I would not be spurned as fit company for the evening. (Yes, she *was* pretty!) Hence I betook myself to the club car and awaited happenings.

Sure enough, in she came and began to order a ham sandwich and a glass of beer. Now, it is a peculiar fact that the words "ham sandwich," when pronounced by French lips and resounding in darky ears, seem to lose all manner of intelligibility. In the melee that followed, I hastily recalled my high school French and sailed into the fray with adventure in my heart. Here indeed, opportunity wouldn't have to knock twice. . . .

She sat there, contentedly munching the morsels, with me on the opposite side of the table, hemming and hawing in a jargon of French, Spanish and English. But she spoke heavily accented English to a sufficient extent, so we got along. It was all smooth sailing till she popped the question, "Have you ever seen the Folies Bergeres?"

"No," I answered innocently, "do you mean the ones who were playing at the French Casino in New York?"

"Oui, Oui," she replied, "they were there, and then they toured the country and finally broke up. Some of the acts are still going—like ours. I was in it, you see."

Well, you can imagine the state I was in. If this wasn't a story to bring home to the boys—coming home with a girl from the French Casino!

"Yes, my HUSBAND, my partner

and myself have just finished an hotel engagement in Chicago."

Yes, her husband! I might have known . . . So I listened half-heartedly to her life's story.

Soon an Englishman and a New Yorker across the way joined the con-fab. Immediately she sprang the question, "Have you ever seen the Folies Bergeres?" The Englishman had. "Do you remember me? I was the adagio dancer," thereby giving him more information than she had given me. He gave her a careful once-over and came back with, "No, I'm sorry, I don't remember you. All I remember was the Bubble Dancer."

"HEH! HEH!" she gurgled, "THAT'S ME! ! ! !"

(Was my face red.)

I think I've said enough . . . but before I "cheerio" I want to tell of two real "moments" I experienced at the convention. I call them "moments" for lack of a better word; I mean by that, those little experiences in life which we enjoy from time to time, which only last for fleeting seconds, but in that instant bring joy and warmth to our hearts . . . moments we cherish which have lived no longer than the flare of a match. One was the opening ceremony . . . where prayer was offered for those who had passed to the Eternal Chapter. The other was the moment when Brother Link presented the gavel to retiring Grand Regent Coffman.

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Maurice N. McKendrick—*Lambda*

As I think back, my first thought of the convention is the short time in which real friendships were formed among the delegates. The sincerity



and honest interest of the national officers in the fraternity is without doubt the real reason, in my mind, for such a splendid feeling of co-operation as was shown by all the delegates present. I appreciated the fact that the delegates did not consider their own chapters before thinking of the whole fraternity.

The opportunity I had of presenting the convention with Jacqueminot roses in behalf of Lambda Chapter was greatly appreciated by our chapter. Since Brother Coffman is a member from Lambda it was particularly fitting that the delegate from the same chapter as the Grand Regent should present the roses, thus establishing a new custom. It will be very worth while to continue this custom at future conventions.

The Kansas City alumni and especially Brother Nusser certainly did everything in their power to make the convention a real success. The actives from Zeta are also to be thanked for the big part they had.

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Kenneth Daniel—*Mu*

Have any of you brothers ever gone anywhere expecting to catch "merry hell," knowing you deserved it? And have things turned out just opposite? I shall never forget my feeling as I went into the meeting of the Executive Council. Brothers, let me tell you all right now—no finer, more helpful group of men has ever been assembled than the one guiding our fraternity. I found a group of officers and delegates with a single purpose—that of making Theta Tau better because they have been in it. I wish that every member could attend

a convention and have the fact driven into his soul that he is a member of such an important organization as Theta Tau. Only then can one truly appreciate its greatness. I believe we all enjoyed the convention and came home with the purpose of making Theta Tau better.

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Henry Ryshanek—*Nu*

The delegate was impressed by the high calibre of the men in the fraternity. The entire Kansas City group seem to take their technical training most seriously, and, although extra activities are desirable, the fact remained outstandingly clear that the men prominent in Theta Tau activities were so only because of their proven ability in their chosen fields.

Service, honor, and truth. The varied mental impressions, at first mixed and not clear, gradually crystallized and formed a definite conception of the purpose of Theta Tau. Although cognizant of the fact that Theta Tau is a national professional engineering fraternity, it was impossible for me to see beyond my own group and visualize the possibilities afforded by the national scope of the fraternity. Not until actually at the convention and in contact with the fine young men and students from all parts of the country, the older members on the Executive Council, and the delegates from the Alumni Associations, did I fully realize the importance of the organization. Then, too, I became fully aware of the responsibility given to the chapters in allowing them to pick the men desirable to have in the group who will later be the life-blood of the frater-

nity. Since the convention, those three characteristics continually assert themselves as the criteria not only for successful membership in Theta Tau, but also in life; namely, honor and truth in all circumstances, and unstinting service to the best of one's ability. To quote Professor Vawter, "Service brings its own reward . . . honors sought after are worthless when acquired."

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Thomas O. Smith—*Rho*

Last December when I was elected as the delegate from Rho to the convention, it was with some misgiving that I accepted the position. In the first place, I had been troubled all year with an uneasy stomach. However, this, I know, pleased Brother Vawter since I wasn't able to run up the food bill that I otherwise would have. The other thing that bothered me was the condition of our chapter, and I may as well confess that I thought that I was in for a riding. Brother Coffman allayed my fears, and as I had heard of Missouri weather, I donned my long underwear and set out to Kansas City.

The very first thing that struck me was the fact that the further south I went, the more I appreciated that long underwear. By the time I reached Birmingham, I was too numb to feel the cold.

Perhaps the most interesting occurrence of the trip was this: I had been gazing out of the window at the unfolding panorama of the Mississippi countryside, when a fellow traveler asked me for a match. We began to talk, as travelers will, and imagine my surprise to find that he was a convict being transferred from one

prison to another. The stories and experiences that he related in the three hours that we talked gave me a deeper and clearer conception of prison life and activity than all the sociology, psychology, pathology, or any other ology that can be taught in college.

Some one made an error in my geography. Kansas City should have been flat. My taxi went straight uphill from the station to the hotel. I thought I was in the wrong place, especially when the driver asked me where the street was.

The first question that greeted me at the hotel was: Southerner, how do you like this cold weather? To tell the truth, Kansas City was the warmest town I had struck in weeks, and my reply that there was six inches of snow in Raleigh when I left, seemed to upset my interrogator quite a little.

The thing that was outstanding during the entire convention was the feeling of good will and the atmosphere of comradeship that pervaded the whole group. The contact with Erich Schrader alone was worth the trip out. Brother Vawter's personality and wit added much to the convention. For the first time I realized what Theta Tau really was, how it carried on its work, and what it meant for me to be a member. I think that many of my brothers had the same feeling.

I was much impressed by the manner with which our hosts went about entertaining us. Brother Nusser deserves much credit and praise for the splendid work he did in that line.

The constant difference of opinion between our Grand Regent and Brother Vawter heartily pleased my somewhat argumentative spirit. I wish all accounts that I have gone over had



been as easily checked as those of "War-horse" Vawter.

Brother Ryshanek and I have corresponded frequently since the convention, and I have listened with much pleasure to his brother's orchestra broadcasting from KDKA in Pittsburgh.

On the return trip, Brother Coffman and I visited the University of Alabama. Brother Curtis was with us as far as Birmingham. I am looking forward to a trip to Clemson College on April 18 when I shall see him again.

In closing, may I wave a red flag in the faces of my western brothers? I saw quite a few of the girls out there, but I still prefer the girls from dear old Tarheeliar.

---

J. F. Sullivan—*Sigma*

The Jamison Vawter or 12th Biennial Convention came to an end far too soon for me. I shall never cease to wonder at the hospitality of Zeta Chapter and the Kansas City Alumni Association. The dance held on Saturday night was unique in that I have never seen so many blind dates turn out so well.

It seems to me that a convention delegate should have a very strong constitution. Each morning one was sure to be torn between the desire for sleep and the fact that when Grand Regent Fred Coffman said 9 A. M. he didn't mean 9:30 A. M. (At least that is what he said.)

Brother C. B. Smith, Sigma Alternate, always had a reputation for being a very nice young man. However, the father of the girl he had at the dance had his own ideas about when daughter should be in.

The opportunity that every delegate has to see the Executive Council in action is something one can never forget. There is nothing personal in their debate, however intense it may be. One has the feeling that they are all striving for the good of the fraternity. From these men I have learned the real meaning of SERVICE WITHOUT PRESSURE.

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Richard H. Freyberg—*Tau*

#### IMPRESSIONS OF THE CONVENTION

##### I

Meeting Al Smith of Theta in Grand Central Terminal Upper Level in New York.

Never having seen each other.

No difficulty in finding him!

Both proud that *Theta* and *Tau* went together.

##### II

At Dearborn Station in Chicago.

Hearing someone call "Dick".

Turned around to see Russ Glass coming across the lobby.

Parlor car to Kansas City—meeting Brothers Vawter, Hopkins, Schrader, Daniels, and some delegates from the East.

Getting acquainted on the train almost asked Brother Daniels for his credentials to examine me, but not quite enough nerve.

Disappointed with the Mississippi on first sight.

It didn't look much like the Father of Waters, all frozen over.

##### III

Then our greeting at the station by the Kansas City Alumni Club.

Asked by so many if I weren't Scandinavian.

Too bad I'm German.

Impressed by the station and Liberty Memorial with its lighting effects.

Pleasant impressions continued by apartments assigned to us at the Newbern.

Disappointed that my room mate Brother Sayre of Omicron couldn't make it.

Brother Coffman seemed glad to welcome me as Tau's delegate.

A pleasure for me.

Get acquainted smoker a success.

Looks like a fine time.

#### IV

Getting down to business Saturday morning.

Many good pointers from the reports of delegates.

Swapping experiences with Tex Jones, Red Daniel, Houston and the rest as we worked.

A bit down in the mouth that Tau had but one committee on which to serve.

Should have liked to take on more but too timid to ask.

Glad to find friendly coöperation from the X-C rather than the bawling out I had expected for the chapter.

Wished I'd had more time with them, but Kansas City's fairest awaited us.

Bouquets to Paul Dwyer and Ralph Nusser for the cream of the city for dates Saturday night.

#### V

Down to discussion of policy at last with the reports of officers and committees.

Had hoped to dress for the model ritual at night, but somehow you can't leave a good game in good company.

Bob Wagner on the floor five minutes before the ritual with Red Daniel trying to persuade him to get going.

Surprised that the ritual was read.

Glad to receive the candles and sticks used in the ceremonies.

The boys of Tau Chapter are duly appreciative.

#### VI

Banquet a peach.

More song from the Sweetheart of Theta Tau and also Brother Wahlstedt.

Discovery that Brother McKendrick is also a social fraternity Brother.

Noticed that three delegates were from New York State.

The largest active delegate representation from any one state.

Impressed by Brother Coffman's inability to say all he wanted to.

Made me realize what Theta Tau means to the men who have grown up in it.

#### VII

The last session.

Everyone be sure to read the Resolutions Committee's report.

Winding up the business.

Fine gesture of Brother Link's to present Theta Tau's first gavel to Brother Coffman.

#### VIII

My first airplane ride.

Flying over Kansas City from the Municipal Airport.

Wonder if I could have put that on the expense account.

Inspection of TWA's midwestern base hangar.

Dismissing cab on one side of the street in Kansas City, Kansas, and rehiring it on the other.

Walking through downtown with the gang.

Hunting souvenirs.

Wonder if Ryshane's girl was satisfied.

Then into the south of the city to see the Nichol real estate development with Tex, Arizona, and Russ Glass.

Stopping for a last short one at the Ratskeller before entraining for Chicago.

Opal seemed to take so much of Al Smith's time.

I wondered whether he'd make the train with us.

## IX

*So Long to Kansas City.*

As fine a gang as I have ever met.

Came with a half-feeling of strangeness and left with the conception of true brotherhood.

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Raymond Versaw—*Omega*

Always it seems that my most lasting impression is that the meeting was just one big chapter meeting, very similar to the ordinary meetings that Omega Chapter holds, except for the scope of the problems and business discussed.

Throughout, I was impressed by the fact that the Executive Council is composed of men who are very like any of the boys. The spirit of friendliness and coöperation among a group of fellows who had never before been "tossed together" was remarkable. In spite of some slight procrastination, the meeting moved on speedily and with "nary a bauble."

The high-light of the meeting was the initiation preceding the banquet

of Sunday evening. Our national officers put on a ceremony that was speedy and precise, demonstrating that a thorough knowledge of the ritual goes a long way toward impressing both the initiates and the active members.

I sha'n't forget the very effective manner in which Brother Vawter often used that pipe, or at other times a cigar, to bring out his point.

Brothers Fryberg, Link, Hubbard, Buus and myself took an airplane ride just before leaving Kansas City. Each of us paid \$1.50 to find out that you can't see the city from the air because of the heavy layer of smoke which hangs over it. Link and Hubbard should be able to find jobs as professional mourners. They gave a good demonstration of mourning for three supposedly lost brothers as Fryberg, Buus, and I were about to take off from terra firma in that old crate of an airplane.

---

J. Harold Link, *Gamma Beta*

The smoker held on the night of our arrival in Kansas City was a wringing success. I wrung so many hands that my fingers were numb during the entire convention. So numb, in fact, that had I not been the last to render my report, it would have been necessary for someone to hold it while I read.

The convention was conducted very well, and everything seemed to run off without mishap. Of course, Brother Coffman had kittens when no one paid any attention to his orders to convene at such-and-such an hour or else. But Brother Coffman, you must remember the spirits are strong and the flesh so weak.

It was a great pleasure to meet Brother Schrader, Theta Tau's oldest member. He is not old in years, but he is very old in point of service, and when I say service, I mean service.

Action during the convention seemed to be very well distributed. Christmann, Houston, and Jones (Ooopsilon, to you) took care of most of the action of the night hours, while Brother Vawter walked a rut in the floor during the sessions of the convention. How many miles did you say it was, Brother Vawter?

McKendrick did a fine piece of work as flower girl for the conven-

tion. A flower girl by any other name would be just as—beg pardon, that is another story.

The midnight shift with Wagner on the Sante Fe into Chicago was a nightmare. We toasted one another until we were burnt to a crisp. It is rumored that the conductor put Wagner to bed. But then those Pullman trains are so dark!

Seeing Chicago with Ryshanek wound up the convention for the delegate from Gamma Beta. The sham battle in the wheat pit was a riot. Everything went to seed.

## In Memoriam

THOMAS K. LEONARD, Alpha '15

Brother Leonard was born March 17, 1892, graduated from the University of Minnesota with the degree of B. S. in Engineering, and after a year's graduate work, received his C. E. degree in 1916. He served as Lieutenant in the Field Artillery Corps, spending 21 months overseas. Brother Leonard acted as superintendent of construction on many of the largest buildings in Minneapolis, and was working for W. P. A. at the time of his death, September 20, 1935, from injuries suffered in an auto accident. He is survived by his wife and four children.

CLARENCE A. FARLOW, Gamma '22

Clarence A. Farlow was a native of Pueblo, Colorado. After attending the University of Missouri for two years he entered the Colorado School of Mines, graduating in 1922. Brother Farlow was a development engineer for the Miami Copper Company at Miami, Arizona, for a number of years, and in 1930 accepted a position serving the Russian Government as consulting engineer. Upon his return to the United States two years later he engaged in work on several leases at Chloride, Arizona, until his death on November 28, 1935. His wife survives him.



JOHN V. DOERSAM, Sigma '35

John V. Doersam died on December 17, 1935. After graduation from Ohio State University he was employed by the Fisher Body Company in Cleveland, Ohio. Brother Doersam possessed those qualities which make a man liked by everyone. His brothers of Sigma Chapter wish to pay tribute to the young man whose sunny temperament accomplished so much in establishing the kind of fraternal friendship so desirable in Theta Tau.



Joseph J. Davis      John A. Nadeau      Thomas R. Supple      Harry H. Clayton

## JOSEPH J. DAVIS, Rho '24

Word has only now been received of the death of Brother Joseph J. Davis, Rho '24, on November 24, 1929. Brother Davis was a graduate of North Carolina State College and was the first student to matriculate in the Department of Architecture. At the time of his death he was assistant professor of drawing in the Texas A. and M. College. He is survived by his mother, three sisters, and two brothers.

## THOMAS R. SUPPLE, Beta '29

Brother Thomas R. Supple was born in Ontonagon, Michigan, on October 19, 1908; he graduated from the Michigan College of Mining and Technology in 1929, and became a member of Beta Chapter during his undergraduate years. Brother Supple's untimely death came on November 3, 1935, following in automobile accident. He is survived by his wife, a daughter Sue, and son Douglas.

## JOHN ALLAN NADEAU, Beta '38

Brother John Allan Nadeau, "Al," as he was best known on the Michigan College of Mining and Technology campus, was born in 1917, and was initiated into Beta Chapter just one month before his death on February 20, 1936. From the time of his entrance he was a leader among his classmates. He was president of the Sophomore Class, an outstanding member of the varsity basketball team, and the highest ranking student in his class in R. O. T. C. work. Beta Chapter is proud to have been associated with him and feels keenly the loss of the young man who so completely won its friendship and admiration.

## HARRY H. CLAYTON, Chi '37

Brother Harry Clayton died on March 23, 1936, at the age of twenty-four. Classes were dismissed throughout the University while a short service was held on March 24th. Brother Clayton registered as a mining student in the University of Arizona's College of Mines and Engineering. In that same year he became varsity tackle on the football team and was named All-Border Conference tackle. In spite of his popularity as a leading football man, he was entirely lacking in that spirit of egotism so often found in men of athletic ability. He was liked and esteemed by all who knew him, professors and students alike. Brother Clayton was initiated into Theta Tau in the spring of 1935. He was also affiliated with Sigma Chi fraternity.

## AUGUSTUS W. WALKER, Theta '17

The death of Brother Augustus W. Walker, Theta '17, has been reported to THE GEAR, but additional facts are not available at the present time.

# *The* GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

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

211 ENGINEERING HALL

IOWA CITY, IOWA

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*Subscription \$1.00 a Year*

*Life Subscription \$15.00*

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VOLUME XXV

SPRING, 1936

NUMBER 2

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## "LITTLE DROPS OF WATER . ."

Probably no action of the twelfth convention has greater possibilities than the authorization of voluntary alumni dues. Certainly no one has made a more unselfish gesture than has retiring Grand Regent Coffman in offering to circularize the fraternity at his own expense should the plan prove unworkable.

It is not hard to visualize the benefits of a substantial addition to the national income. Present income (from undergraduates) makes possible biennial conventions, occasional chapter visits, and the publishing of *THE GEAR*, in addition to routine fraternity business. Under present conditions a central office, a regular directory, frequent chapter visits, and quarterly publication of *THE GEAR* are merely pleasant dreams.

The advent of alumni dues can easily make realities of some of these dreams. There are about 6000 Theta Taus. Some 650 of them are in college, and probably several hundred are "lost." Several hundred more have passed away. Conservatively, there should be some 4000 living, well situated alumni. Should they all be loyal enough to volunteer a dollar each year, most of Theta Tau's dreams could come true. Should half of them vol-

unteer, a regular directory would be assured.

Alumni, you have an opportunity to do a fine thing for your fraternity. Although your individual contributions are small, their aggregate can be large. Your fraternity can be a powerful and more vital force in the engineering world if you give the word.

As we go to press, encouraging word comes from Brother Coffman in Raleigh. Four chapters have been circularized, and better than 16 per cent of the men answered practically by return mail. The coming weeks will increase this percentage several fold as Theta Taus all over the world stand by the ship.

## REGIONAL MEETINGS

The decision at the Jamison Vawter Convention to experiment with regional meetings of chapters seems to us both timely and wise. Wise because of the benefits certain to result from these meetings, and timely, not only because the general, though modest, improvement in economic conditions permits a certain expanding of activities, but also because the growth of the fraternity has now reached a point where in many districts chapters are geographically located near



enough to each other to insure good attendance at such meetings without too great strain on finances and time.

A great deal can be accomplished in these group gatherings to strengthen the chapters represented by discussing common problems and interests. They also offer great possibilities of a new competitive interest between the chapters represented, surely one of the best known methods of building up any organization.

We await reports of the first regional meetings with the greatest of interest and with all confidence in their success.

### NEW INITIATES

The fraternity of Theta Tau operates somewhat differently from most other fraternities because of the fact that most of our initiates are upper classmen. Few men are even pledged as freshmen, and in many chapters only juniors and seniors are initiated. Accordingly, in many cases, a man is associated with an active chapter as pledge and active member for only two years.

Naturally this condition produces a rapid turnover in chapter membership and in chapter leadership. It therefore behooves each of you newly initiated members to take a responsible part in the affairs of your chapter immediately. Coming in as upper-classmen, you have the advantage of a certain maturity of judgment and probably of previous organization experience as well. These qualities are counted on to compensate the fraternity for delayed pledging. It is expected that you will fit into the spirit of our organization more quickly and can accept the obligations of leader-

ship more readily than would otherwise be the case.

Reports in this office indicate that this year's crop of initiates is an exceptionally good one. If this is true, it is because the older actives have been far-sighted enough to select with care. For the sake of those men now about to pass into the ranks of the alumni, for your own interests, and for the interests of those who will follow you, won't you newly initiated men jump in, put your shoulder to the wheel, and help maintain the fraternity as a worth-while and meaningful brotherhood for all of us?

### THIS ISSUE

Because a biennial convention plays such an important role in our fraternity history this issue of *THE GEAR* has been devoted mainly to the last convention and related subjects. Reading the delegates' impressions shows clearly the powerful welding influence of a convention.

An idea voiced frequently by the delegates was that the Executive Council had been merely a group of names until contact at the convention showed them to be real beings and mighty interesting ones at that. With this comment in mind we are presenting a picture and brief history of each of the Executive Council so that all of our readers may feel better acquainted with those entrusted with the fraternity's future.

Another desire of the delegates was to see the Theta Tau Sweetheart Song which was approved by the Eleventh Biennial Convention at Arkansas. Although necessarily reduced to the size of *THE GEAR* page, it is legible at reading distance, as may be seen by turning the page.

# SWEETHEART OF THETA TAU

## Quartet Arrangement

Words and Music by Ruth Lambertus

To Sigma Chapter

*Moderato*

Thru the maze of mem-o-ries, In those care-free col-lege days, A

This system of musical notation is for the first system of the song. It features a treble and bass staff in 4/4 time, with a key signature of two flats (B-flat and E-flat). The melody in the treble staff begins with a quarter note G4, followed by eighth notes A4, B-flat4, and C5, then a quarter rest, and continues with a series of eighth and quarter notes. The bass staff provides a harmonic accompaniment with chords and single notes. The lyrics 'Thru the maze of mem-o-ries, In those care-free col-lege days, A' are written below the treble staff.

thou-sand faces gleam and smile, But there's one that remains always Oh

This system of musical notation is for the second system. It continues the melody and accompaniment from the first system. The treble staff includes vocal lines with lyrics and some notes marked with 'x' or 'hum'. The bass staff continues the accompaniment. The lyrics 'thou-sand faces gleam and smile, But there's one that remains always Oh' are written below the treble staff.

*a tempo*

Sweet-heart of Theta Tau I love you, In all my dreams your dear face shines thru,

This system of musical notation is for the third system. It begins with the tempo marking '*a tempo*'. The melody in the treble staff includes a triplet of eighth notes. The bass staff continues the accompaniment. The lyrics 'Sweet-heart of Theta Tau I love you, In all my dreams your dear face shines thru,' are written below the treble staff.

You are the one that I adore My The-ta Tau girl for-ev-er more.

This system of musical notation is for the fourth system. It continues the melody and accompaniment. The treble staff includes a triplet of eighth notes. The bass staff continues the accompaniment. The lyrics 'You are the one that I adore My The-ta Tau girl for-ev-er more.' are written below the treble staff.



# Get It Off Your Chest

March 31, 1936

Dear Brother Howe:

In reply to your letter of January 13, I would appreciate your changing my address in the records of THE GEAR to 78 Riverside Drive, New York City, and c/o Blair, Curtis & Dunne, 60 East 42nd St., New York City.

I appreciate your going to so much trouble to see that THE GEAR reaches me, especially since I do enjoy it so much and have been wondering what had happened to it.

Yours very truly,

Arthur V. Smith, Theta '33

February 28, 1936

Gentlemen:

I beg to call your attention to an error in your fall issue of THE GEAR which states that I am employed by the Montana Liquor Control Board. I would appreciate your correcting this statement as I am the Helena manager for the Christie Transfer & Storage Co.

With kindest regards, I am

Yours in H and T,

Rayworth Howe, Psi '34

Sorry to have placed you so near temptation, Brother Howe. We gladly restore you to the correct position.

Chattanooga, Tenn., Feb. 10, 1936

Gentlemen:

I should like to know the procedure for securing a "Sister Pin." Can you tell me?

Yours in H & T,

A. R. Lippard, Rho '33

Despite the fact that this is leap year we are willing to inform you that all fraternity jewelry can be purchased through Grand Treasurer Vawter.

Richmond, Va., Feb. 9, 1936

Gentlemen:

I have received only two copies of THE GEAR since I became a member of Theta Tau, Pi Chapter, in 1933. No doubt I am at fault for not informing you before, but I assure you I would like to receive it at the regular intervals. I am not in school now,

and THE GEAR is the only way I can contact Pi Chapter at the University of Virginia.  
Merryman P. Bailey, Jr.

Your mailing card is now on file. Notification of address changes will insure you of receiving THE GEAR at all times.

Bryant, S. Dak., Dec. 17, 1935

Dear Brothers:

I've intended to write for some time and let you know that my address is Bryant, S. Dak. again, and I'm still in the same business—"in the dough" as you put it, working at the Bryant Bakery.

In regard to "pros" and "cons" about THE GEAR, I must say that I just unpacked it from my personal belongings last evening and am rereading the contents. I think I enjoy it more on this reading than I did any time before. I believe it would do any one good when he is in a "blue and pensive mood" to get out his past issues and at least read the high lights to put himself right with this complex world in which we live. However, I won't prescribe this to cure a case of heart trouble, or girl trouble, whichever you wish to call it, among the younger brothers who are occasionally afflicted thusly.

Best wishes for the coming year.

Yours in H & T,

O. H. Rosenow, Omega '32

You are the answer to an editor's prayer, Brother Rosenow . . . May we infer that you have found another cure for "heart trouble?"

January 31, 1936

Dear Brothers Mercer and Howe:

Now that the convention is over we have things to remember, and since our semester exams are finished we have a little time to do some thinking about it. I will always consider convention attendance an excellent use of time. The things I learned and the friends I made easily convince me of that.

I was glad to have the opportunity of meeting you and getting acquainted with the manner in which THE GEAR is published. It is not hard to see how many problems confront you from time to time. It made me see that you might appreciate the information

blank I am enclosing. If I can ever assist in any way I wish you to feel free to call on me.

My position here as Electrical Engineering Instructor suits me just fine, and I manage to learn a bit right along with teaching the students. We can't help absorbing a little when we are exposed to education every day.

In H & T,

Bernard R. Buus, Omega '35

Greetings, Brother Buus! Such willingness to coöperate makes those problems easier for us to handle.

December 28, 1935

Dear Brothers:

One way "old grads" can help is to subscribe; so herewith a check for my life subscription to THE GEAR.

Since graduation in 1924 I have been in the Army. During that time it has been my happy experience to have brother officers in the profession of arms who were also brothers in Theta Tau. I have served with them not only in the continental United States, but also in our outlying possessions; and each time, because we were wearers of the Hammer and Tongs, our bonds of friendship were cemented more firmly.

At the present time I am an instructor in the Department of Chemistry and Electricity at the United States Military Academy.

I wish THE GEAR continued success during the coming year.

Yours in H & T,  
Captain John H. Sampson, Jr.  
Lambda '24

March 18, 1936

Dear Brother Coffman:

Here is my dollar to help keep the name of Lambda Chapter clean and to help out good old Theta Tau. It has always been a great satisfaction to me to be able to wear the Hammer and Tongs.

I am glad something is being done to stir up the alumni. Even though my dues were paid for several years into an alumni association, I felt that the money was lost because that association made no attempt to give value for money received. THE GEAR, however, is different. I have been a continuous subscriber since initiation more than thirteen years ago and just a few months ago secured a life subscription. THE GEAR has been my only means of contact with Theta Tau.

Yours in H & T,  
John H. Sampson, Jr., Lambda '24

Thank you, Brother Sampson. Your example is an inspiration to all of us. Congratulations, Lambda, upon turning out alumni with such fine H & T spirit.

## *Nekervis Leaves Beta a Record to Shoot At*

One of the outstanding seniors in Beta Chapter is Bruce J. Nekervis, who will soon graduate from the Michigan College of Mining and Technology with a B. S. in Chemical Engineering.

Brother Nekervis has always been one of the hard workers on the campus as well as in the fraternity itself. For three years he has been a steady, dependable member of the varsity hockey team. And though few athletes can lay claim to distinguished scholarship, Brother Nekervis is an exception to the rule. At the present time he has the highest scholastic



Bruce Nekervis  
"An exception to the rule."

average in the class and has been a member of Tau Beta Pi for two years.

One of the most difficult assignments that can be given any student is the chairmanship of the annual Winter Carnival, but Bruce took this bull by the horns and made a "roaring" success of it. His management

of the student funds as chairman of the Student Council Finance Committee is another venture deserving commendation. Brother Nekervis is also a member of Blue Key, Chi Epsilon Chi, local chemical group, and was formerly advertising manager of the Michigan Tech *Lode*.

### *Dr. R. W. Drier Authority on Metallurgy*



R. W. Drier  
Plays with X-rays

Dr. Roy Ward Drier, Beta '26, is one of the outstanding younger graduates of the Michigan College of Mining and Technology. He has been a regular member of the faculty at M. C. M. and T. since 1930, where he is Associate Professor of Metallurgy in charge of Roentgenology.

Since he left the army in 1919 to enter the Michigan College of Mines, Brother Drier has been in almost con-

stant touch with education. Between jobs he managed to sandwich in schooling at Cass Technical High School, Detroit, and the University of St. Louis. Returning to M. C. M. in 1923, he accumulated in the next five years the degrees of B. S., E. M., E. Met., and M. S. Since then he has done graduate work at the University of Illinois, the University of Chicago, and the University of Michigan.

Brother Drier's main interests in research have been in the field of copper, and in the application of X-rays to the study of metallurgy. His researches have been published in such authoritative journals as the *A. I. M. E. Transactions*, *Industrial and Engineering Chemistry*, *Physical Review*, and the *Philosophical Magazine*, as well as *Compton's Encyclopedia*. The broadness of his interests may be gleaned from a partial list of honorary and professional fraternities of which he is a member. Besides Tau Beta Pi and Theta Tau, engineering fraternities, he is a member of Sigma Xi, research; Mu Pi Sigma, literary; Illini I (U. of Illinois), music; and Alpha Sigma Mu, metallurgy.

Although a member of the army, S. A. T. C. Division, in 1918, the Navy now claims Brother Drier as one of its sons. Lieutenant Commander

Drier serves the United States Naval Reserve as an Ordinance Specialist, and during the Pacific maneuvers of a year ago he was granted leave of absence to cruise with the fleet in order that Uncle Sam might make use of his services as an expert in the fields of research and metallurgy.

Besides cruising with the Navy, archeology and photography are hobbies of this versatile scientist, for the upper peninsula of Michigan offers

special inducements to these. The scenery is especially fine for photography, and there are also evidences of prehistoric copper mines and miners which are particularly interesting to a combination mining engineer and archeologist.

In spite of these many activities Brother Drier has always found time to help out his brothers in Beta Chapter, and is now vice-president of the Theta Tau House Corporation.

### *Brother Moats Makes History on G. W. U. Campus*



Paul Moats  
First Engineer Senior President

When diplomas are passed around on June 10th, *Finis* will be written to the scholastic career of one of Gamma Beta's most prominent members, charter member Paul L. Moats. Paul's record is of such outstanding brilliance that it seems fitting to summarize briefly his many achievements.

Coming to Washington, he secured a position at the Department of Ter-

restrial Magnetism, Carnegie Institute of Washington, attended the Emerson Preparatory School for a year, then entered the engineering school of George Washington University. Having attained the scholastic requirements, he was initiated into Sigma Tau, honorary engineering fraternity. In the spring of 1933, Paul was elected president of Phi Theta Xi, the old local fraternity. During his term in office, Phi Theta Xi's petition was presented to Theta Tau, and credit for its acceptance is largely due to his enthusiastic and untiring efforts.

For several years he has been a delegate to the Engineers' Council and Student Council. In addition he was an honor student for two years and is still in the upper third of his class.

Gamma Beta is particularly proud of Brother Moats because of the position he holds as president of the Senior Class of 1936. Never before in the history of the University had an engineer held this office until Paul brought honor upon both Theta Tau and the School of Engineering by his achievement.

# Letters from the Chapters

## Reorganization at U. of M. Important to Alpha



The chapter is quite interested in two developments which have taken place here. The first is the recently established Institute of Technology, comprising the colleges of Engineering and Architecture, the School of Mines, and School of

Chemistry. Faculty and technical students expect greater unity in the presentation of the engineering curriculum because of this innovation. The second is the announcement that construction has begun on the new \$125,000 hydraulics laboratory to be located on the Mississippi River just below St. Anthony Falls, where the laboratory will have an available head of 48 feet of water with no expense for pumping. Dr. Lorenz Straub, head of the Hydraulic Department, is the designer.

To get to the news of the chapter—I would like to pass on a system of rushing that we are trying here. Brother Olson suggested we have technical meetings once or twice a month. A professor from Mines is chosen to give a short talk, and rushees from Mines are brought over. In turn, we plan

to contact all of the schools. Meetings so far have been intensely interesting.

For recreation we still play volleyball and have reached the finals at the present time.

The Interprofessional Ball takes the place of a winter party for us, so we were well represented at the event. The Aeronautical Take-off was held February 21, and since Pledges Starlof and Spoor directed it, it was destined to success. Most of the chapter attended and then fared back to the house for fuel in the way of food.

At present we have 17 actives and 4 pledges, with 3 more certain prospects for the next quarter. Since Brother McVicker graduated in December, Brother Lee Paul was regent during the winter quarter. The following officers were elected at the meeting of March 9th: Earl Bennetsen, regent; Ronald Robertson, vice-regent; Robert Asleson, treasurer; Arthur Ronbeck, recording secretary; John Swenson, corresponding secretary; and Robert Heising, marshal. Robert Hodgman, John Swenson, and Albert Kojola are our new initiates, and Gordon Nygren, Vincent Spoor, Leonard Starlof, and Vincent Victoreen are pledges.

In H & T.  
LAURENCE ROLLIN

March 12, 1936

## Betas Are Developing a Hobby



Undoubtedly the most auspicious event occurring during the current year was the visit Brother Vawter made to Beta Chapter in the second week of March, the first time in four years that a member of the

Executive Council has visited the chapter. Beta celebrated its thirtieth anniversary while Brother Vawter was here.

Beta's active roll consists of thirty-two members and six pledges. Regent Campbell is assisted in the administrative duties by Vice-Regent Albert, Scribe Bennett, Marshal Morrison, and Inner Guard Ringle. Brothers Korybalski and Quay are treasurer and stew-

ard, respectively. Our six pledges are to be initiated very soon in order that they may take part in our initiation banquet and dinner dance on May 23.

The cold weather and large snowfall this winter have curtailed somewhat the constructive activity on and around the house. The pledges have, of course, taken care of the snow quite adequately, but little can be done until better weather comes. Eight of the actives are remaining at the house during vacation to help in the annual clean-up. A general cleaning will be given the house in the summer, but a few activities planned for the present are cleaning and varnishing the woodwork in the ground floor living rooms, painting upstairs woodwork and floors, and washing windows.

A couple of metallography students pressed for lab time converted the only remaining spare room on the fourth floor into a dark room and developing laboratory, with the result that most of the chapter has taken up developing as a spare time hobby.

The annual winter carnival held at Michigan Tech last February brought quite a little of the carnival activities into the house. Brother Nekervis was Co-chairman, Brothers Campbell and Albert were in charge of the queen election, Brother Lange controlled the destiny of the colorful winter sports parade, and Brother Morrison was in charge of the carnival dance.

The Michigan Tech *Lode* is under the editorship of Brother Reid, with Brothers Albert, Harrington, Ambrosiani, and Korybalski as members of his staff. *The Keweenaw*, year book, is being edited by Brother Bennett, with Brother Siewert controlling the finances for the book.

The water shortage here in Houghton this winter gave Brothers Lendved and Siewert a chance to exhibit their civil engineering talents. They were given the job of surveying and sounding Portage Lake between Houghton and Hancock with respect to placement of a pipe line to supply the two cities with water from the Champion mine district about seven miles from Houghton.

With the announcement of the spring assignments for the battalion command of the college R. O. T. C. unit, the post of Cadet Major was given to Brother Albert. In addition to others, he will direct the companies of Brothers Siewert, Morrison, Bennett, and Drieg, Cadet Captains. Appointments to lieutenant's posts went to Brothers Reid, Anderson, Quay, and Wallace, while Brothers Sanabria, Ringle, Hafemeister, and Korybalski received assignments as cadet sergeants. These men are also active in the local chapter of Tau Nu Tau, military fraternity, in which Brother Morrison is the presiding officer, while Brother Albert is treasurer and Brother Siewert, secretary.

In the spring election, Brothers Albert and Korybalski were pledged to Tau Beta Pi, which also counts Brothers Reid, Nekervis, Siewert, and Bennett among its active members.

In closing, we'd like to remind our alumni members of the coming 50th anniversary of the college. We so very seldom see or even hear from the older members of the chapter that we're looking forward to the reunion with anticipation of renewing old acquaintances and getting our history up-to-date. So don't disappoint us.

EDMUND J. KORYBALSKI

March 22, 1936

## Tarzans All, at Gamma

### GOLDEN COLORADO

This year has been a banner year for Gamma Chapter. Of its present membership of twenty-six, twenty-two are participating in some form of varsity athletics, and seventeen belong to honorary fraternities on the campus. In addition to these activities we have Carl Morris, president of the student body and co-captain of the 1935 football squad; Jack Pardee, president of the senior class and treasurer of the M-club; and Frank Thayer, president of Scabbard and Blade.

Among the honoraries, we have Brothers Frank Thayer, Jack Pardee, Randy West, Bob Olund, George Adams, John Mencimer, Dick Moody, Harold Mitchell, Gene Meyer, Carl Morris, Mark Gilkison, and George Ripley in Scabbard and Blade. Blue Key members include Frank Thayer, Caspar Hoffman, Perry Gill, and Dick Bradley; George Jenkins is a

member of Sigma Delta Psi, national athletic honorary, and John Hatch is a Tau Bate.

Brother Schrader, while in Golden last January, was Gamma's guest and speaker at a dinner meeting.

Another event which occupied the chapter's attention this semester was the recent marriage of "Dud" Sands, a star football player and brother Theta Tau, to Miss Georgia Schrader of Bristow, Oklahoma.

Gamma held its spring pledging this week. After all the excitement was over, seven promising neophytes were seen wearing the pledge buttons. March 21, was the date of the annual Theta Tau dance held in honor of the year's pledges.

A program is being formulated whereby the chapter members will give a report, one at each meeting, concerning activities or facts of interest in the field of endeavor which they intend to enter upon graduation. This promises to be a very constructive program, not only in the general knowledge which the



members will gain, but also in the confidence that will be obtained in speaking before a group.

Gamma Chapter is proud of the fine manner in which her officers manage the chapter's activities. Frank Thayer as regent, Jack

Burns as secretary, Jack Pardee as treasurer, George Adams as vice-regent, Bob Olund as inner guard, and John Christmann as marshal are doing a handsome job.

JOHN HATCH and GEORGE JENKINS  
March 24, 1936

## Epsilon Has Complete Set of "Brain Trusters"



Geological field trips combined with a noted lack of sunny California weather have contributed the chief obstacles to a greater sphere of activity for Epsilon Chapter.

Early in March the spring rush banquet was held. Professor Byerly outlined the rudiments of seismology by means of simple

vice-regent; William Neilson, scribe; James Joubert, treasurer; and John Lord, corresponding secretary.

Scholastically, the chapter is well represented among the honor organizations on the Berkeley campus. Coats and Gregory are in Phi Beta Kappa; Gregory, Durrell, Sturgeon, Wilson, van Gundy, Coats and McLaughlin in Sigma Xi; and Coats, Suydam, McLaughlin, Neilson, and Thomas in Tau Beta Pi.

The above "brain trusters" are kept in check by such men as Bob Fowler, captain



FRONT ROW—Lord, Breyan, McLaughlin, Price, Mosher

SECOND ROW—Joubert, McFadden, Suydam, Wilson

THIRD ROW—Dr. Pabst, Dr. Byerly, Coats, van Gundy

FOURTH ROW—Gregory, Kelley

FIFTH ROW—Douma, R. L. Fowler, Sturgeon, Clough, Smith, Ham, Brown, Priest

SIXTH ROW—Dr. Chaney, Vander Hof, Andregg, Chubb, Floyd, Repecka

language and very impressive lantern slides. An initiation for eight men was held at the Hearst Memorial Mining Building, and a banquet given immediately afterward at the Hotel Oakland. Professor Chaney acted as toastmaster for the evening, introducing other members who gave the neophytes an insight into the chapter's history and standing. Membership now stands at thirty-three, as those who graduated at Christmas have been replaced by the incoming members.

Epsilon Chapter is guided for the spring by Alton McLaughlin, regent; Galen Sturgeon,

of the track team and a member of Skull and Keys and Golden Bear; Bill Clough who is active in the Mining Association and Intramural Sports; and Phil Chubb who is a stand-out on the soccer team—the Coast champions this spring.

In anticipation of the coming "picnic," the mining faction of the chapter is gathering its forces to be able to prove its supremacy over the less skilled geological clique.

JOHN F. LORD

March 27, 1936

## Zeta Alumni Don't Forget

### LAWRENCE KANSAS

Since the last issue of *THE GEAR*, eight men have been initiated into Zeta Chapter. One, Murrell Finton, was installed by the Grand Council at the Jamison Vawter Convention. This makes us a total of 19 actives and 15 promising pledges.

The spring election resulted in the re-election of Fleming Scofield as regent, and Louis Benz as treasurer. The other officers are: Vice-Regent George M. Russell; Scribe Howard Moreland; and Corresponding Secretary Charles Beard.

Plans for the Kansas Engineers Exposition are getting well under way. The work for the exposition is carried on through the Engineering Council and the various departmental societies in which Theta Tau is well represented. On the Council we have: Bob

Williams, Louis Benz, Howard Moreland, and George M. Russell. In the A. S. M. E. we have: Robert Russell, Ray Halstead, and George Russell. In the A. S. C. E. we have: Max Lamm, Fleming Scofield, and Vic Koelzer. Vic is also a member of Sigma Tau, and Al Fultz of Tau Beta Pi.

To keep up the social standards of the chapter we have had several hour dances, and plans are now being made for the spring formal to be held at the Lawrence Country Club, May 9.

We were honored by a two-day visit from Brother Schrader and received many valuable suggestions from him. We have also been visited by several members of the Kansas City Alumni Club, and want to thank them for the interest which they are taking in the chapter.

HOWARD MORELAND

March 21, 1936

## Theta is NOT Superstitious



The caption: "Theta Is Superstitious," which appeared over our letter in the Fall issue of *THE GEAR*, though it followed from the letter, was strongly resented by the majority of the chapter members. As proof

that they are not superstitious, they offer the fact that our last initiation was held on a Friday the thirteenth. However, the minority charges that bad luck was averted only because the number of initiates was seven, which incidentally brings the total to twenty.

The men who joined us are: Gould, Dittrich, Woodruff, Chudoba, Fisk, Strobel, and Hughes. The last two men were just elected to Tau Beta Pi this spring, making a total of five of our actives who are in Tau Bate. The others are Smith, Banchemo, and Auer, the last two being president and vice-president, respectively. Banchemo and Auer have also been elected to Sigma Xi. Smith is

business manager of the school year book, for which McCormack is doing a great deal of the photographic work. McCormack is a member of the Senior Society of Dumbbells, as are Shaughnessy, Carrera, Davis, and Gould.

The regular weekly luncheons, which have been shifted to Thursday, still serve as the medium for contacting prospective pledges. They have also been the scene of many lively discussions, as have the regular chapter meetings, which have been all too few because of the numerous and varied activities of the members. As a result of this, the officers for next year have not yet been elected. However, after electing next year's leaders and completing the spring rushing, the serious work of the year will be over. After that we are looking forward to a dance to be held in the newly opened Harrington Social Room, and a picnic in June with the Dumbbells, which will, of course, be *some* picnic.

W. L. AUER

March 23, 1936

## Kappa Squeezes In



I realize that I am writing a great deal later than the dead line for the spring GEAR which was set at March 25, but I changed my address shortly after the second semester started, and your letter was not delivered until March 30.

Our officers for this semester are: W. A. Merle, regent; C. A. Groth, vice-regent; B. C. Gardner, secretary; R. C. Purl, treasurer; J. J. McGeough, corresponding secretary.

At the present time we have fifteen active members and no pledges—just having initiated seven new members. They are: R. A. Banck, R. F. Batt, B. C. Gardner, G. R. Johnson, R. C. Purl, W. Walsh, and H. R. Whildin. Our enrollment was cut down in February when Brothers Gallagher and Leutwiler graduated.

I sincerely hope that the same misfortune will not again delay my receiving your letters.

J. J. McGeough

April 1, 1936

## Lambda Appeals to Alumni in Hiding



Since the last issue of THE GEAR a great amount of water has passed under the bridge at Lambda; fortunately, the water is not the wet variety which our less fortunate brothers at Nu Chapter have had to contend with during the recent floods. Our experiences have been of less devastating consequences.

At the initiation held on December 1, nine men were initiated. At the present time Lambda has twenty-five members and four pledges.

Shortly after Christmas Brother E. J. Schrader visited us on his way home from the National Convention. We had a very interesting dinner meeting with him which a number of alumni attended.

Two of the brothers gave interesting and enlightening talks at meetings attended by all members and pledges. Brother Davis gave an illustrated talk on some of the finer points of radio communication, and Brother Robert Woodhead explained the process of manufacture of smokeless fuel and other products from

Utah coals. Brothers Woodhead, Myron Mellor, William Murray, and Ralph Whitson are conducting a very valuable research on "Low Temperature Carbonization of Utah Coals."

On February 23, we had another initiation for the following men: W. J. Goodwin, alumnus of George Washington University who was initiated at the request of Gamma Beta Chapter, Russell Madsen, Stanley Benson, and Burton Hatch.

Brothers Hatch and Herman Harms have been elected to Tau Beta Pi; Brother Harms has also become a member of Phi Kappa Phi.

On March 4, an election was held for the chapter officers for next year. They are: Regent Richard S. Reinhold; Vice-Regent Lynn Madsen; Treasurer Burton Hatch; and Scribe Stanley Benson.

We are looking forward to any communications from alumni who read this because, after all, unless letters are forthcoming telling experiences, addresses, etc., the active chapter has no way of learning the addresses of some of the lucky ones whose work takes them from place to place.

RICHARD S. REINHOLD

March 24, 1936

## Nu Sets the Pace—Twenty=two Pledges!



Nu Chapter opened the second semester with twenty active members. Regular business meetings are generally held weekly. In addition, Nu

Chapter has continued to sponsor its cultural talks. These talks are meeting with increasing favor on the campus and are open to

anyone who may be interested. It is interesting to note the large faculty attendance at these meetings. The most recent topics discussed were linguistics and history. Talks on music, architecture, and other cultural subjects not offered in the usual engineering curriculum are scheduled for the future meetings.

A committee is at present engaged in re-

vising the requirements for the award of the plaque to the most promising senior engineer. The plaque will be presented during the annual Spring Carnival in May.

We have with us this semester twenty-two pledges. Initiation will take place early in April. Nu Chapter is joining with Tau Beta Pi and other honorary organizations on the Carnegie campus in sponsoring a dance. This

is the only social affair of any consequence in which our chapter takes part.

The new officers are: Regent George P. Lenz; Vice-Regent Henry Ryshanek; Scribe J. F. R. Floyd; Corresponding Secretary Harry F. Robey; and Treasurer Professor J. M. Daniels.

HARRY F. ROBEY

March, 1936

## Omicron Has a Yen for the Kittenball Cup



Omicron Chapter has twenty-eight men on its roll—twenty actives and eight pledges. Brothers Benton, Junk, Simon, and Weber were initiated

on March 11. Brothers Simon and Weber are our house representatives in the annual bridge tournament, and we are proud that they are well up on the winning side.

The present officers are: Regent Robert Melson; Vice-Regent Donald Marsteller; Scribe Eldo Kurtz; and Steward John Perry.

At the annual election of the officers of the *Transit*, Omicron men again filled a majority of the important positions.

This year's Mecca Week saw Omicron men more active than for a number of years. We held three of five chairmanships on the committees, and our men were well represented on every one. The success of the Mecca Ball, Show, Exhibition, and Banquet were in a large part due to the efforts of Omicron men on these various committees.

Our spring kittenball team is just starting to warm up. We hope our activity after spring vacation will enable us to bring home a new cup for the house.

E. M. KURTZ

March 25, 1936

## Pi's Winchell Reporting



Our dear old Regent Edwards is certainly getting fed up with the rest of us morons in the house.

With Fuqua Hurt tooting his horn and Paul Fitzpatrick practicing his clarinet and Glee Club all through exams, "Regie-Wegie" never got a chance to study—so he joined in with voice and guitar. Those guys that are always going to the show never study and never let anybody else study. Yet J. Cowgill, H. Cowgill, P. F. Hurt, J. Rucker, L. Olsen, W. M. Irvine, E. Mason, and Edwards managed to make the Dean's List of Distinguished Students last term. And Olsen found time to go out for basketball, while the Cowgills now go out for baseball every afternoon, Harry as pitcher and Joe as a fielder. The Regent would be in a bad way if he didn't have Fitz to look after the boys and, on cold nights, pull their blankets over them and close their windows.

This sounds bad, but "Regie-Wegie" did

manage to get a little work out of his "sheeps." A couple of Sunday nights we have invited several engineering and college faculty members (the latter to broaden our minds) to hold enjoyable gumming sessions around the fire while imbibing cider and doughnuts. We found that they were human beings after all.

J. P. Simpson, our famous crooner, has been doing well with his fists this year. After a



The home of "Regie-Wegie" and his "sheeps"

successful season as the bantamweight of Virginia's Southern Conference Championship boxing team, he went through the tournament to take the bantamweight crown. We're proud of him and his splendid trophy, but we object to the way he wins all bets from us house rats and carries our books away to read.

Boys, we're certainly proud of our big gold

We have started our Theta Tau Memorial Library with three well-known books. When the death of a brother from the chapter is reported to us, we buy an outstanding book to place in the library in his memory. We feel that this is the best possible way for us to express our feelings.

Our annual dance, given with our rival society, was a big success. Not being used



FIRST ROW—H. J. Landis, P. W. Fitzpatrick, B. J. Gilchrist, Prof. F. T. Morse, Dean W. S. Rodman, H. B. Edwards, L. D. Winston, J. M. Cowgill, W. R. Franke  
SECOND ROW—E. L. Armentrout, W. A. Dorrier, J. Y. Brown, R. M. Daniel, G. F. White, L. T. Olsen, R. G. Copper, P. F. Hurt, C. M. Wade, A. G. Arundale, W. B. Carruthers, E. M. Martin, J. T. Rucker, E. P. Snead, J. P. Simpson  
LAST ROW—V. Quarles, J. Oliverio, G. F. Novey, J. D. Swing, E. V. Mason, W. E. Caldwell, G. A. Nea, H. B. Cowgill, P. Ferrer, V. Starke

cup! We won it from the social fraternities in the intramural basketball program. (They found out that engineers could do something besides dribbling slipsticks.) Our team swept through all opposition to take the championship with the loss of only one game. We thoroughly disrupted the drawing lab after the final game. Much credit must be given to the subs and Manager Fitzpatrick as well as to our first team of Landis and J. Cowgill (co-captains), H. Cowgill, Williams, Oliverio, and Arundale.

to snow down here, we were almost stumped by the "teen" inches of it that fell that day, but snow plows soon cleared the way for the fair maidens and steam addicts.

At a recent meeting we elected Professor Morse our faculty adviser. ("We sho need one with this bunch of galoots," says the Regent.) From the way he has taken hold of his job, we know that he is the right man.

Anonymous

March 24, 1936

#### WESTERN UNION

March 31, 1936

RHO IS STILL IN RALEIGH NORTH CAROLINA AND DESIRES TO REFRAIN FROM BLOWING ITS HORN UNTIL THE PROPER TIME BUT WATCH ITS NEWS LETTER NEXT FALL

THOMAS O. SMITH



## Sigma Civils Needed Quenching



During the past two months, members of Sigma Chapter have been occupied with various activities, such as intramural athletics, social functions, campus activities, and, by no means the least, studies. Sigma's

bowling team won its flight title, and is now

engaged in elimination contests with other flight winners, while our basketball team went undefeated until the final contest of its schedule. Regent Joe Sullivan and Treasurer John Boylan are University horse-shoe pitching champs. Early in the quarter the Civils, feeling pretty "cocky," challenged the rest of the house to a basketball game. Their ardor was properly quenched, for "Pride goeth before a fall," you know.



TOP ROW—F. D. Haag, F. J. Pausic, N. E. Schoewe, J. P. Mulholis, J. S. Ksepko, R. G. Rymer  
 THIRD ROW—J. G. Szalfield, J. E. Finneran, W. W. Vollrath, J. M. Robinson, J. R. Boylan,  
 R. Y. Frazier, A. R. Morrison  
 SECOND ROW—R. L. Sloane, R. J. Gilchrist, C. D. Fischer, E. J. Boebinger, J. E. Manners,  
 J. F. Craig, S. E. Ginal, O. J. Craig  
 BOTTOM ROW—J. J. Visintine, H. R. Miller, Prof. P. W. Ott, H. M. Crusey, J. F. Sullivan,  
 J. D. Boylan, W. A. Schaich, C. B. Smith, L. P. Lambrou, C. C. Griffith

Following the policy of past years, Sigma did not give a formal dance in the winter quarter, but held three house dances. The last of these was termed a hard times dance, but judging by its reception, it should have been called a good times dance. The music was furnished by a 4-piece orchestra, and its rhythms, coupled with the enthusiasm of the overall-clad dancers, certainly produced an hilarious party. Credit for the successful

dances goes largely to James Robinson, social chairman for the year. The Spring Formal, a dinner dance, is being planned for May 22, at the Scioto Club.

Our most recent initiates are Randle B. Hickman and Richard L. Sloane.

ROBERT Y. FRAZIER

March 26, 1936

## Upsilon Will Guide H. S. Students



Upsilon Chapter has held a banquet at least once a month so far this year. We now have a Founder's Day banquet on the calendar for April 1st, to celebrate the founding of the local chapter on that date.

There are several outstanding men in Upsilon Chapter this year: William H. Mapes is a member of Scabbard and Blade, Glee Club, and is the representative of the engineering school in the Student Senate; Louis C. Barry is president of the student chapter of I. E. S. and secretary of the General Engineering Society; Claude Dyer, regent, is president of

the General Engineering Society, treasurer of Tau Beta Pi, vice-president of the local chapter of A. S. C. E., and a member of the *Arkansas Engineer* staff.

Our officers are: Regent Claude Dyer; Vice-Regent Harold Ward; Scribe Louie Ibisson; Treasurer Rolfe Eldridge. We have ten actives and six pledges; one of the pledges, James McKinnley, was elected St. Patrick day Engineers' Day.

We are putting out a guide for the high school students who will be here for a literary meet April 3rd and 4th. During these days the engineering school will have the exhibits that are usual on Engineers' Day.

L. IBISON

March 23, 1936



## Chi Honorary Favors "Practice Parties"



master and Brother Borgquist lived up to his reputation by telling another "Sweedish" story. The new members, George Potter, Frank Ferguson, and William Turner, gave a short skit—much to our enjoyment.

Chi Chapter finished its first semester activities with an initiation and banquet held shortly before the Christmas holidays at the University Commons. Brother McNary acted as toast-

suggested that we hold a practice party before the regular one so that he will not have to spend so much time teaching the boys the rudiments of the game.

Brother George Paul was generalissimo of the St. Pat's Day celebration again this year. Other chapter members who served on the committee were Ben Cody, John McNary, and William Turner. The picnic and the Kayley were a great success in spite of all that the Aggies, Lawyers, and the weather man could do to prevent it.

The chapter's new officers are making plans



FIRST ROW—John Anderson, Wm. Turner, Wm. Crozer, Harlan Lanz, Howard Clifford, Ben Cody, John Draeger  
 SECOND ROW—Jack Pearce, Thornton Phillips, Tomi Hall, Jim Michaelson, George Potter, Charles LaMothe, Clyde Houston, Charles Morrison  
 THIRD ROW—John Hiller  
 FOURTH ROW—Wm. Dindinger, Prof. O. H. Folk, Prof. M. L. Thornberg, Prof. R. E. S. Heineman, Prof. E. S. Borgquist

With the beginning of the second semester new officers were elected and installed: Regent William Crozer; Vice-Regent Tom Conroy; Treasurer John Hiller; Scribe Howard Fink; Corresponding Secretary William Turner. The retiring officers deserved and have received a hearty vote of thanks from the chapter for their services for the past year.

Professors Borgquist and Jimerson, faculty advisers, held a stag bridge party on Friday, March 13th, in Brother Borgquist's new home. Chi members do not seem to be superstitious, for the party was well attended. Brother M. L. Thornburg, one of our honorary members,

for an open meeting and a dance. A number of likely men will be invited to attend the open meeting, and from these the spring pledges will be selected to fill gaps left when ten of our present thirty members graduate.

Two of our brothers, Howard Fink and John Hiller, received the honor of being elected to Tau Beta Pi. In conjunction with Tau Beta Pi, our annual dance will be held on May 2nd. We are looking forward to this event with great anticipation, for in past years our dance has been one of the enjoyable events of the year.

## Psi Likes "Home, Sweet Home"



Life in Psi's new quarters has greatly stimulated the sense of brotherhood and coöperation within the chapter. There has been more interest and enthusiasm over the chapter's activities than has ever before been displayed. A great deal of the success of this past year is also due to the very capable leadership of Regent Melvin Williams.

In December we initiated Walter Dezell,

Plans for our spring dinner dance are now being formulated.

Professor MacEwan, who has been one of the chapter's best workers since its formation, recently has been made our chapter adviser. We hope that this appointment will help to show our gratitude to him for his untiring services.

The officers for the year are: Melvin Williams, regent; Harold Hosea, vice-regent; Robert Lawson, scribe; Frank Trask, Jr., treasurer; and Bernard Tarrant, corresponding secretary.



FRONT ROW—Harold Hosea, Frank Trask, Jr., Robert Lawson, Melvin Williams, Glenn Johnston, Walter Parken, Walter Dykers, Davidson Piper

BACK ROW—Elton Youngberg, Charles Beckstrom, Roy Smith, Walter Dezell, Ray Gallant, Albert Rambosek, Ray Murphy, Bernard Tarrant, John Cook, Richard Schaal, Alex Christie, Lewis S. Prater, Robert Dietrich, Albert Schlechten, Charles Mitchell, John Holleran

ABSENT—Leo Gallagher, Rollien Wells, Thomas Linn, John Alley, John Rabbitt, Walter Tretheway

Elton Youngberg, Albert Rambosek, Thomas Linn and Rollien Wells, bringing the number of actives up to twenty-two. We also have ten pledges.

Psi Chapter has held an exceptional number of entertainments and parties since our last letter to *THE GEAR*. The most notable of these were two firesides which proved extremely successful, and a program of colored motion pictures of wild game life in Montana.

During the last week of January we were honored by a visit from the Grand Scribe, E. J. Schrader. He spent several days with us and left us with a large number of instructive ideas. This was the first time Brother Schrader had visited us since the installation of Psi Chapter; we certainly hope that his succeeding visits will be at more frequent intervals.

ROBERT LAWSON

## Omega Tries "The Witching Hour"



Omega looks forward to another successful year under the leadership of its new officers elected and installed March 26. The new officers are: Regent F. R. Versaw; Vice-Regent Fred Davis;

Scribe J. F. Bork; Treasurer H. C. Foster; House Manager J. A. Trantina; and Corresponding Secretary R. B. Fling.

Our active chapter roll now totals twenty-nine brothers since the initiation of John Bingham, Stuart Ferguson, Charles Brugge-  
man, and Max Allen. The formal initiation

was held at midnight, March 22nd, and the new brothers were officially welcomed into the chapter at a banquet at the Alex-Johnson Hotel the following evening. Brother Bork officiated as toastmaster. The midnight initiation was an experiment on the part of Omega; it proved to be not only more impressive, but also superior in many respects to the afternoon and evening initiations we have held in the past.

Omega has a pledge class of twelve men, ten of whom have been pledged since the opening of the second semester. Omega was well represented at the Jamison Vawter Convention by five brothers—the largest delegation from Omega for some years.

Brothers Versaw, Buus, Muckler, and Heald were members of the basketball squad. Brother Heald was also elected 1936 football captain.

Brothers Bork, McElwain, Flint, and Pledge Turner were initiated into Sigma Tau at the winter installation of newly elected men.

Again Theta Taus have taken a very active part in the Mines intramural program, and we hope to repeat our triumph of last year.

We are now making plans for our spring dance and for participation in the Mines Field Day and Engineers' Circus.

R. V. FLINT

March 19, 1936

## Gamma Beta Has a Cake 'n' Everything



Gamma Beta had seventeen active members with which to begin the second semester. Brothers Hoffman, Ragan, and Sheiry failed to return to school, but it is hoped that we shall have them with us again next fall.

The present officers of the chapter are: Regent J. H. Link; Vice-Regent W. F. Rhine;

being from Phi Theta Xi, our old local. On February 23, Lambda Chapter initiated W. J. Goodwin as an alumni member of Gamma Beta. Many thanks, Lambda!

Gamma Beta has eight men on the Engineers' Council. Brother Thomas is president of the Council, W. F. Rhine is treasurer, Connor is scholastic chairman, and Sangster is the publicity man. The important position of social chairman falls on the shoulders of Brother Motz. The others on the Council



FIRST ROW—Phillips, Thomas, Hoffman, Link, Parson, Huntzberger  
SECOND ROW—Prof. Hitchcock, Bradford, Connor, Moats, Robertson, G. E. Rhine  
BACK ROW—Evans, Motz, Prof. Ames, Davis, Baker, W. F. Rhine  
ABSENT—Fieltz, Sangster

Scribe J. E. Parsons; Treasurer G. E. Rhine; and Corresponding Secretary E. A. Baker.

On November 23, 1935, the chapter held its first initiation as a chapter of Theta Tau. Six men were initiated into active membership, and seven into alumni membership, the seven

are Link, Moats, and Baker, who is also Student Council representative for the engineering school.

In addition to being president of the Senior Council and of the Senior Class, Brother Moats is president of Sigma Tau. At the

recent Sigma Tau elections Brothers Thomas and Link were elected vice-president and treasurer, respectively. Pledges Rixse and Mikuszewski at that time received offices as corresponding and recording secretary, respectively.

On March 14, Gamma Beta celebrated its first anniversary by meeting with the National Capitol Alumni Club of Theta Tau at a luncheon which consumed most of the Saturday afternoon. To the complete surprise of the active chapter, the alumni club presented Regent Link with a birthday cake for the chapter. A single candle adorned the cake. On behalf of the chapter, Brother Link expressed the wish that both the alumni

club and the active chapter may prosper during the coming year and be able to rejoin in celebration one year hence for the same occasion. With a puff of the candle and flash of the knife, the cake began its last trip.

Gamma Beta has begun thinking of its annual dance which is given to the members of the School of Engineering, both student and faculty.

We expect to entertain five guests at our Farewell Dinner in June. Brothers Davis, Huntzberger, Moats, Motz, and Phillips are to graduate in June, and it is our custom to have the graduating members of the chapter as guests at the last dinner of the year.

EDWARD A. BAKER

## Additions to Membership

### ALPHA

- 400 Roy Lessard, Buhl, Minn.
- 401 Raymond Bass, Minneapolis, Minn.
- 402 William D. Schoell, St. Paul, Minn.
- 403 Robert F. Hodgman, White Bear Lake, Minn.
- 404 John P. Swenson, St. Paul, Minn.
- 405 Albert K. Kojola, Hibbing, Minn.

### BETA

- 398 Stephen A. Bergman, Bark River, Mich.
- 399 John S. Hascall, Marquette, Mich.
- 400 Arthur H. Smits, Grand Rapids, Mich.
- 401 John A. Nadeau, Calumet, Mich.
- 402 John P. Manger, Laurium, Mich.
- 403 Robert J. Wieder, Houghton, Mich.

### GAMMA

- 456 Gene Meyer, Amarillo, Texas
- 457 Jack D. Mullinax, Chesnee, S. C.
- 458 Richard D. Moody, Los Angeles, Calif.
- 459 Mark T. Gilkison, Denver, Colo.
- 460 Richard M. Bradley, Colorado Springs, Colo.
- 461 John E. Hatch, Denver, Colo.
- 462 Morgan Leonard, Santa Monica, Calif.
- 463 Edmund E. Petersen, Jefferson City, Mo.
- 464 Robert G. Couch, Shanghai, China
- 465 George F. Jenkin, Hollywood, Calif.
- 466 John C. Mencimer, Denver, Colo.
- 467 Stephen J. Brown, Golden, Colo.
- 468 Roscoe C. McCutchan, Heavener, Okla.

### ZETA

- 354 Charles A. Beard, Topeka, Kan.
- 355 J. E. Gamber, Great Bend, Kan.
- 356 Howard C. Moreland, Howard, Kan.
- 357 George M. Russell, Lawrence, Kan.
- 358 Murrel H. Finton, Lawrence, Kan.

### THETA

- 215 Howard M. Strobel, Allegheny, N. Y.
- 216 Irvine P. Gould, Hudson, N. Y.
- 217 Nelson S. Fisk, Bronx, N. Y.
- 218 Albert L. Chudoba, Ridgewood, N. Y.
- 219 Frederick M. Woodruff, Shreveport, La.
- 220 Walter H. Dittrich, Bronx, N. Y.
- 221 Charles O. Hughes, New York City.

### IOTA

- 325 Walter L. Holz, Maplewood, Mo.
- 326 Walter E. Luder, St. Louis, Mo.
- 327 A. H. Barclay, Ferguson, Mo.
- 328 A. Arthur Phillips, Rolla, Mo.
- 329 Ralph Wm. Wilkey, Risco, Mo.

### LAMBDA

- 333 John B. Skewes, Moor, Utah
- 334 Harmon Harms, Jr., Salt Lake City, Utah
- 335 G. G. Davis, Buhl, Idaho
- 336 Lynn S. Madsen, Salt Lake City, Utah
- 337 G. H. Coulson, Salt Lake City, Utah
- 338 Edward J. Watts, Salt Lake City, Utah
- 339 Richard M. Nelden, Salt Lake City, Utah
- 340 J. W. Pritchard, Magna, Utah
- 341 H. C. Hughes, Salt Lake City, Utah

### PI

- 170 George A. Nea, Wollaston, Mass.
- 171 Harry B. Cowgill, Jr., Paulsboro, N. J.
- 172 John Oliverio, Clarksburg, W. Va.
- 173 John P. Simpson, Jr., Washington, D. C.
- 174 Ellis P. Sneed, Scottsville, Va.
- 175 C. Manly Wade, Jr., Charlottesville, Va.
- 176 Edward V. Mason, Charlottesville, Va.
- 177 Vernon Quarles, Charlottesville, Va.
- 178 Percy F. Hurt, Marion, Va.

- 179 Alfred G. Arundale, Charlottesville, Va.  
 180 William B. Carruthers, North Fork, Va.  
 181 James S. Williams, San Diego, Calif.  
 182 W. A. Dorrier, Wanesboro, Va.  
 183 Lloyd T. Olsen, West Hempstead, N. Y.  
 184 Earl M. Martin, Richmond, Va.  
 185 George F. Novoy, Jr., Panama City,  
 Panama

## SIGMA

- 180 Carl D. Fischer, Coldwater, Ohio  
 181 Stephen E. Ginal, Cleveland, Ohio  
 182 Werner W. Vollrath, Milford Center,  
 Ohio  
 183 Elbert J. Boebinger, Mt. Healthy, Ann,  
 Ohio  
 184 John G. Szalfield, Toledo, Ohio  
 185 Joseph P. Muliolis, Cleveland, Ohio  
 186 Frank J. Pausic, Cleveland, Ohio  
 187 Randle B. Heckman, Xenia, Ohio  
 188 Richard L. Sloane, Columbus, Ohio

## TAU

- 146 Bernard Vieau, Liverpool, N. Y.  
 147 Robert B. Dodds, Lake Placid, N. Y.  
 148 Robert J. Garland, Syracuse, N. Y.  
 149 Robert Floyd, Syracuse, N. Y.  
 150 Robert Oertel, Syracuse, N. Y.  
 151 John M. Church, Wellsville, N. Y.  
 152 Frederick D. Weeks, Skaneateles, N. Y.  
 153 William J. Robinson, Auburn, N. Y.  
 154 Frederick L. Wise, Bordentown, N. J.

## UPSILON

- 106 Robert R. Milner, Sheffield, Ala.  
 107 Lewis C. Barry, Miami, Okla.

- 108 Charles E. Joseph, Blytheville, Ark.

## CHI

- 115 Frank W. Ferguson, Holbrook, Ariz.  
 116 William R. Turner, Tucson, Ariz.  
 117 George M. Potter, Kingman, Ariz.

## PSI

- 47 Bernard R. Tarrant, Helena, Mont.  
 48 Robert Lawson, Spokane, Wash.  
 49 Albert W. Schlechten, Anaconda, Mont.  
 50 Walter J. Dezell, Butte, Mont.  
 51 Rollien R. Wells, Anaconda, Mont.  
 52 Albert J. Rambosek, Eureka, Mont.  
 53 Elton A. Youngberg, McMinnville, Ore.  
 54 Thomas B. Linn, Anaconda, Mont.  
 55 Arthur L. Gallagher, Anaconda, Mont.

## GAMMA BETA

- 37 Harry C. Connor, Washington, D. C.  
 38 John R. Evans, Washington, D. C.  
 39 Frederick J. Fielitz, Washington, D. C.  
 40 George E. Rhine, Washington, D. C.  
 41 James C. Robertson, Jr., Washington,  
 D. C.  
 42 John S. Sheiry, Friendship Heights, Md.  
 43 Reynold E. Ask, Lanesboro, Minn.  
 44 John R. Brasel, Washington, D. C.  
 45 H. Velpeau Darling, Clarendon, Va.  
 46 Warren L. Lawton, Washington, D. C.  
 47 Richard G. Radue, Washington, D. C.  
 48 Floyd Traver, Washington, D. C.  
 49 Reuben F. Leatherwood, Washington,  
 D. C.

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IOWA CITY, IOWA

# Out In the Cruel World

## ALPHA

WILLIAM A. ROSE, '06, keeps the wolf away from the door by working as general manager of Pickands-Mather Co., 2737 Endicott Road, Cleveland, Ohio.

MILO P. FOX, '10, Lt. Col. Eng. Corps, U. S. A., is now District Engineer of 1st Portland Oregon District, Portland, Ore.

MAX F. QUINN, '12, mine manager for the Cubo Mining & Milling Co., Apt. 49, Guanajuato, Gto., Mexico, has been returned to his home by rescuing federal troops after being kidnaped by bandits some weeks ago.

FRED A. DAVIES, '16, labors for the California Arabian Standard Oil Co., c/o Mesopotamia Persia Corp., Bahrain Island, Persian Gulf.

EDWARD H. COE, '19, "Cap'n" Coe, if you please, of the Eng. Corps, U. S. A., is District Engineer, 932 New Post Office Building, Chicago, Ill.

ALVA J. HALEY, '25, is studying strata in

South America. He is a geologist for the Cia. Huanchaca de Bolivia, Pulacayo, Bolivia.

ROBERT A. CALHOUN, '23, is sparing of information—he is in Parker, Ariz.

EDWARD H. ERCK, '28, is exercising his ability as a metallurgist for the Apollo Metal Works, then rests his weary bones at 175 Roosevelt Ave., Roosevelt, L. I., N. Y.

ERNEST C. KRON, '30, makes his way as a metallurgist for the Rockford Drop Forge Co., and lives at 1418 8th St., Apt. 3, Rockford, Ill.

FRANK MURPHY, '32, is enjoying the famous California weather at 10279 Missouri Ave. W., Los Angeles.

GEORGE BRIMHALL, '32, is with the Texas Co. in China. His address is Foreign Y. M. C. A., Shanghai, China, Bubbling Wells Road.

KENNETH JOHNSON, '34, is with the Weepah Nevada Mining Co., Box 506, Tonopah, Nev.

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## BETA

ROBERT B. PHILLIPS, '06, who has been on the lost list for many years, has written to the Grand Scribe that he is now manager of the Compania Minera de Sinaloa, S. A., at Cosala, Sinaloa, Mexico.

FRED VARNEY, '08, has changed his address to Selacot Mining Co., P. O. Box 1525, Manila, P. I.

CHURCHILL G. SHELTON, '10, is another In-

gersoll-Rand Co. employee in Lake City, Utah.

FRANK V. HICKS, '15, who is with the Union Pacific Coal Co., has been transferred to Winton, Wyoming, from Superior.

HARRY S. ALDRICH, '17, Capt. 63rd C. A., U. S. A. is stationed at Fort MacArthur, Calif.

J. MADISON JOHNSTON, '24, is Div. Engr. State Bureau of Highways, Shoshone, Idaho.

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## GAMMA

W. V. DeCAMP, '08, has gone to South America where he will be in charge of the operations of the Cia. Huanchaca de Bolivia, at Pulacayo, Bolivia, S. A.

DONALD DYRENFORTH, '12, has returned from South Africa and is now with the Dorr Co., 247 Park Ave., New York City.

A. J. MAY, JR., '12, has joined the staff of the Big Bell Mining Co., Cue, Western Australia.

LIONEL BROOKE, '14, now has his offices as consulting engineer at 1201 Trust-Guarantee Bldg., 302 Bay St., Toronto, Canada.

HARRY M. FISKE, '21, still brings home the bacon from the Ingersoll-Rand Co., 1460 East 4th St., Los Angeles, Calif.

HENRY H. PRATLEY, '22, who is with the Western Geophysical Co., is residing at 2905 San Amadio St., Bakersfield, Calif.

A. B. MARTIN, '23, has been transferred to Butte, Mont. by the Montana Gas Power Co. as superintendent of transmission.

HOWARD F. KELLER, '24, is now superintendent of the Ashotla Unit, Cia. Minera de Penoles, Temixco, Guerrero, Mexico.



- GEORGE C. GALLAGHER, '24, is in Grass Valley, Calif. where his address is P. O. Box 810.
- DONALD M. RAY, '25, is on leave of absence for some months. He lost his wife last October, and has brought his son to his parents at 711 SE Davis St., Des Moines, Iowa.
- JOHN COOLBAUGH, '31, is metallurgist with the American Cyanamid Co. at Warners, Linden, New Jersey. His home is 156 Chilton St., Elizabeth, N. J.
- HERBERT NYE, '31, is at 2 Mayview Lane, Pasadena, Calif.
- ARTHUR BENNETT, '32, is with the Lufkin Foundry & Machine Co. and should be addressed at 131 Sidney St., Longview, Texas.
- FRANK HAYWARD, '32, is with the North American Investors Corp., and his mailing address is 2670 Pierce St., San Francisco, Calif.
- WALTER H. ZWICK, '32, is now with the Cerro de Pasco Copper Corp. at Oroya, Peru.
- CHARLES A. HULL, '33, makes a living as district engineer for the Shell Oil Co., at Wink, Texas.
- SHERMAN JOHNSON, '33, and OTTO SCHMIDT, '35, are associated with Harley A. Sill, 1011 S. Figueroa St., Los Angeles, Calif. as assayers and chemists.
- ED. F. KINGMAN, '34, is service engineer for the Hercules Powder Co. in Birmingham, Ala. He hangs out at the Bham Athletic Club.
- NEVIN WETZEL, '34, is with the Hercules Powder Co., Salt Lake City, Utah.
- GEORGE MCCracken, '35, is engineering for the state Water Conservation Board, at Phillipsburg, Montana.
- GEORGE W. REED, '35, who is engineer of the Seismograph Service Co. is at Frederick, Okla.
- CLYDE TRUE, '35, lives at 100 S. Montana St., Butte, Mont.
- JOHN ZADRA, '35, is in the metallurgical department of the Colorado Fuel and Iron Co., and lives at 114½ West 4th St., Pueblo, Colo.

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## DELTA

- R. M. GREENSLADE, '16, Capt. U. S. A. retired, is now living at 131 Princess Pass, San Antonio, Texas.

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## EPSILON

- R. C. EISENHauer, '13, has changed his location to 1830 Thousand Oaks Blvd., Berkeley, Calif.
- STANLEY ARNOT, '13, is with the U. S. Lime Products Corp. at Sloan, Calif. He makes his home in Las Vegas, Nev.
- J. H. ASHLEY, '22, formerly assistant superintendent of the Fresno Co., is now in charge of the Cia Don Carlos, Chalchihuites, Zacatecas, Mexico.
- THOMAS W. KOCH, '24, who was in Saudi Arabia for some years in oil exploration work, together with some other Theta Taus, (peek at the Fall '34 GEAR) is now in the Dutch East Indies. His address is c/o Nederlandse Pacific Petroleum, Maatschappij, Batavia, D. E. I. Tom has gone native and sports an elegant beard.
- DAVID C. SHARPSTONE, '24, has opened offices as consulting mining geologist at 1613 Royal Bank Bldg., Vancouver, B. C.
- ALAN PROBERT, '25, is now in Pachuca, Hgo., Mexico, where he is with the U. S. Smelting Exploration Co.
- JOHN E. ALLEN, '31, is snooping around investigating chromite prospects on the west coast.
- ROBERT COATES and CORDELL DURRELL, '31, are completing their doctor's theses at the University of California.
- JOHN D. BRADLEY, '32, has been appointed superintendent of the Spanish Mine at Washington, Nevada County, Calif.
- FRED H. KING, '34, whose home address is 1205 Castro St., Martinez, Calif., is working for the Climax Molybdenum Co., Climax, Colo.
- GEORGE SCARFE, JR., '34, is located at Manila, P. I., where he is associated with his father as a consulting engineer.
- CHARLES LINDSAY, '35, who is associated with the Charles Merrill Co. of San Francisco, announced that he will soon be a "has been" bachelor.

DAVE NELSON, '35, works at a magnesite property near Gustine, Calif.

DAVE STRAUB, '35, is operating a mining property near Allegheny.

JACK VAN WYKE, '35, recently said the fatal "I do." He is working for the Honolulu Oil Company in Wyoming.

## ZETA

HENRY H. STALEY, '13, is working on the construction of the New England Bldg. in Topeka, Kansas.

FLOYD J. BEEGHLY, '24, is now with the Arizona Highway Dept. at Phoenix, Ariz.

LOUIS G. FIEL, '26, is with the U. S. Engineers at Fort Peck, Montana. Louis has been the proud parent of a son for six months now.

DEAN A. MCGEE, '26, is chief geologist for the Phillips Petroleum Co. His headquarters are at Bartlesville, Okla.

HENRY G. HUGHES, '30, was married to Lucie E. Smith and is now eating her biscuits at 717 West Sixth St., Kansas City, Mo.

FLOYD E. GIDINSKY, '32, is living at 321 Ward Parkway, Apt. 314, Kansas City, Mo.

WILLARD A. HARDESTY, JR., '32, is with the Sherwin-Williams Paint Co. Bill also walked the bridal path and is at home at Independence, Kan.

CLAIR WOOD, '32, 2nd lt. U. S. Air Corps, is now stationed at March Field, Riverside, Calif.

PAUL A. BOREL, '34, toils for Black & Veatch—trudges home to 923 Newton St., Kansas City, Mo.

HARRY J. GREEN, '34, is running his own gas station in Kansas City, Mo.

GLENN E. HANDS, '34, and "the other half" are living in Marion, Kansas, where he is Superintendent of the Public Utilities there.

HOWARD A. OLIPHANT, '34, is with the Specialty Appliance Co. He is living at 1908 Knowles St., Cleveland, Ohio.

RALPH N. WILSON, '34, is in Huntington, W. Va. at 1134 9th Ave. (Brother Fish, Nu, lives on 7th Ave. Are you acquainted?)

LYDD CHRISTIANSON, '35, and Sergie Angeline Dannenberg were welded by the torch of Matrimony on Christmas Day. They are at the Ansonin Apts., 407 Taylor St., Eldorado, Kan.

HOWARD E. MILLER, '35, is living at 3717 Harrison, Kansas City, Mo.

EDGAR LEE STOUT, '35, is employed by the state of Missouri. His address is 1310 Bishops, Rolla, Mo.

## ETA

JAMES REBER, '14, is vice-president of the Columbian Rope Co., Auburn, N. Y.

PHIL CRISTAL, '17, is now director of railroad bond research for the Northwestern Mutual Life Insurance Co. in Milwaukee, Wis.

GEORGE D. KITTRIDGE, '17, is at Fort Peck, Mont.

JOSEPH H. FEATHER, '21, has moved to 325 Berkeley Road, Indianapolis, Ind.

CHARLES E. BROKAW, '22, is an employee of the Chrysler, DeSoto and Plymouth Motor Corp., 821 W. O. W. Bldg., Omaha, Nebr.

LELAND K. COWIE, '22, 8011 Idaho Ave., St. Louis, Mo., is works manager for the Carondelet Plant of the Monsanto Chemical Co.

FRANK GAGE, '22, has set up his tepee in Minneapolis, Kan.

HUGH SHIRLEY, '22, is with Tucker Anthony & Co., Rochester, N. Y.

ARTHUR D. SMITH, JR., '23, is manager of the department of manufacturing, Chamber of Commerce of the United States, Washington, D. C.

CHARLES PETZ, '26, works his allotted hours for the DuPont Co. in Philadelphia.

GEORGE I. CHATFIELD, '28, is living at 5 Alben St., Winchester, Mass.

ADAM STRICKER, JR., '29, is on the president's staff of General Motors Corp. in New York City.

In memory of WILLIAM THOMAS, '29, who was killed in an airplane accident in Africa in 1933, his parents, Mr. and Mrs. W. S. Thomas of Johannesburg, South Africa, have established a fund at M. I. T., the interest of which will be available to the athletic association of which Brother Thomas was president while a student.

## THETA

GLENN D. HAWKINS, '23, formerly at Duncan, Okla., is now in Tulsa, Okla.

CHARLES M. BRINKERHOFF, '25, is Assist. Mine Supt. of the Andes Copper Mining Co., at Potrerillos, Chile, S. A.

HENRY W. HOWELL, JR., '26, is vice-president of the Cushman-Wakefield Realty Co. in New York City.

## IOTA

JOSEPH C. BARTON, '17, is consulting engineer for the John J. Raskob interests and makes his headquarters in Virginia City, Nevada.

J. R. GUTIERAS, Hon., who has been professor

of mining engineering at the University of Wyoming for some years, has been appointed mining engineer for U. S. Bureau of Mines, and his headquarters will be in Salt Lake City.

## LAMBDA

H. T. PLUMB, Hon., in addition to his regular engineering work last year, presented the General Electric "House of Magic" lecture demonstrations in cities of the U. S. and Canada. His address is 2400 Sunnyside Ave., Salt Lake City.

ALBERT Z. RICHARDS, '05, is a member of Caldwell and Richards, Consulting Engineers, in Salt Lake City.

R. A. HART, '07, is the Utah State Director of PWA. His address is 1257 Stratford Ave., Salt Lake City.

H. L. BALDWIN, '07, is with the Harbor Dept., Ferry Bldg., San Francisco, Calif.

MAX F. SCHICK, '08, is with the City Engineering Dept. of Salt Lake City.

E. S. BORQUIST, '11, is professor of civil engineering at the University of Arizona, Tucson, Ariz.

A. E. CHRISTENSEN, '11, is vice-president and manager of the Christensen-Gardner Construction Co. Brother Christensen's address is 1027 Herbert Ave., Salt Lake City.

WILLIAM H. KELSEY, '11, is chief engineer with the Combined Metals Reduction Co., Stockton, Utah.

GUY A. HART, '13, is with the PWA in Denver, Colo.

LEWIS C. KARRICK, '17, is in charge of Research of Low-Temperature Carbonization of Utah Coals at the University of Utah. His address is Belvedere Apts., Salt Lake City.

GLENN D. ROBERTSON, '19, who is on the engineering staff of the Shell Petroleum Co. left New York on November 14th with his family. He will be at the company's headquarters at The Hague for about six months.

CHARLES M. ANDERSON, '20, started work a year ago for the U. S. Smelting, Refining & Mining Co. on the design of a large

gold dredge. His address is 1005 Newhouse Bldg., Salt Lake City.

C. DOUGLAS BARNES, '20, is Research Supervisor of the Union Oil Co. of California. He can be reached at 2751 Eucalyptus Ave., Long Beach, Calif.

THOMAS J. PARMLEY, '21, is professor of physics at the University of Utah.

OTTO DUKE, '22, is a top-notch engineer on the engineering staff of the International Smelting and Refining Co.

PIERCE W. KETCHUM, '22, is professor of mathematics at the University of Illinois.

LYNN RAYBOULD, '22, is still drawing pay checks from Scott & Welsh, Salt Lake City, Utah.

HARVEY L. GARRITY, '24, is with the Bingham and Garfield R. R. with headquarters at Magna, Utah.

CAPT. JOHN H. SAMPSON, '24, is an instructor in the department of chemistry and electricity at the U. S. Military Academy, West Point, N. Y.

JOHN F. KIMBALL, '25, is with the Lund Machinery Co., Salt Lake City, Utah.

VICTOR W. SWEET, '25, is vice-president of the Sweet Coal Co. in Salt Lake City.

GEORGE M. JONES, '27, is connected with the Landes Machinery Co. in Salt Lake City.

COURTNEY CAMPBELL, '28, lives at 1960 S. 13th E., Salt Lake City.

J. DONALD FORRESTER, '28, for the past two years has devoted himself to graduate studies at Cornell University. He was awarded a scholarship in structural geology in 1933-34, and received an appointment as instructor in geology for 1934-35. He received his Ph.D. in June, 1935, and has now returned to his former position as geologist with the Anaconda Copper Mining Co. at Butte, Mont. He is at 526 Hennessy Bldg., Butte, Mont.

SYLVESTER W. MUEB, '28, is with the Utah State Tax Commission in Salt Lake City.

MILTON E. TRENAM, '29, is associated with the U. S. Bureau of Reclamation in Denver, Colo.

EDGAR M. BARKER, '31, is mine surveyor for the Roan Antelope Mines, Luanshya, Northern Rhodesia, Africa.

GILBERT E. BOSSARD, '33, is production control engineer for the General Kontrolar Co. Inc. "Telechime Division" 200 East 1st, Dayton, Ohio. Telechime is a door signal to replace the conventional door bell. Possibly this is an innovation to make house wives answer even the salesman's ring with pleasure.

GEORGE W. CARTER, '33, is office engineer for the PWA in Denver, Colo.

CHARLES T. HINZE, '33, since graduation has been employed in irrigation projects. He is working for the Bruneau Irrigation Project at the present time as a design engineer. Write him at P. O. Box 126, Glenns Ferry, Idaho.

S. CLARK JACOBSEN, '33, gets his checks from the Utah State Tax Commission in Salt Lake City.

WM. E. OTTENSTEIN, '33, is working as an aeronautical engineer for the United Air Lines, Cheyenne, Wyo. Brother Ottenstein informs us that the largest commercial aviation base in the world is located in Cheyenne—the main repair and overhaul base for the United Air Lines—and that he would be glad to show any of the brothers, who might be in Cheyenne at some time, through the shops and do his best to explain things about commercial aviation.

HERBER E. PETERSON, '33, formerly with the Manning Gold Mining Co. at Mercur, Utah, is now with the U. S. Bureau of Mines in Salt Lake City.

J. CECIL SHARP, '33, is an attache of the Utah State Road Comm.

ROSCOE E. VAN LIEUW, '33, is inspection engineer for PWA in Denver, Colo.

KENNETH L. ATWELL, '34, is helping the State Engineer in some of the characteristic western water squabbles.

ROSS BERGH, '34, is working with the Utah State Tax Commission, Salt Lake City.

EDWARD P. EARDLEY, '34, is working for the Shell Oil Co. in Salt Lake City.

HOWARD M. HURST, '34, is chief engineer of a large PWA project in Beaver, Utah.

JOHN I. KASTELER, '34, is doing engineering work with the U. S. Mining, Smelting and Refining Co. at Lark, Utah.

MAX KENNARD, '34, is a cog in the wheels of Combined Metals Reduction Co., Bauer, Utah.

BIARD E. ANDERSON, '35, has taken upon himself the responsibilities of a wife and, incidentally, a position with the International Smelting and Refining Co. "Bi" helps the missus with the dishes at 2174 S. 3rd East, Salt Lake City, Utah.

H. FORD DICKIE, '35, is located in Ft. Wayne, Ind. for an indefinite time. He has been on the General Electric Co. Student Engineering Course in Schenectady for almost a year and is now in a production training course with G. E. in Ft. Wayne.

ALBERT Z. RICHARDS, JR., '36, is now in London, England, doing missionary work for the L. D. S. Church.

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## MU

W. CORTLYN RHODES, JR., '33, lives at 26 Walnut St., Farmingdale, N. Y.

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## NU

ROBERT S. FISH, '33, likes Huntington, W. Va., but prefers 340 7th Ave. to his former address.

JOHN E. BORN, '35, now shelters himself under the roof of 3117 W. Highland Blvd., Milwaukee, Wis.

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## XI

JOSEPH W. HANZEL, '26, is a sales engineer with the General Electric Vapor Lamp Co. in Chicago. He is living at 1436 Jonquil Terrace, Chicago.

JAMES C. STOWERS, '28, is on active duty as 1st Lt. Inf. Res. at the Littleton District CCC, Littleton, Colo.

## OMICRON

JAMES F. PHILLIPS, '22, Capt. Air Corps, U. S. A. is stationed at Wright Field, Dayton, Ohio.

CLARENCE C. HAUG, '32, 2nd Lt. 63rd C. A., U. S. A. is posted at Fort MacArthur, Calif.

## PI

JEAN M. ROBERTS, '26, is an assistant professor of electrical engineering at the Speed Scientific School. His temporary residence is 1911 Roanoke Ave., Louisville, Ky.

CLAUDE M. WILKINSON, '29, has acquired the titles "husband" and "father." A girl. He is working as an estimating engineer in Distribution and Engineering Dept. of Virginia Electric and Power Co.

O. G. FLIPPEN, '30, is retail manager of the Norfolk area of the Standard Oil Company of New York.

GILFORD G. QUARLES, '30, is teaching physics at the University of Alabama.

THEODORE J. LO CASCIO, '32, is sorting peanuts by means of the photo-electric cell for the Planters Nut and Chocolate Co. in Suffolk, Va.

S. M. ALVIS, '33, is married and has a daughter. He is working on construction in Philadelphia.

JOHN W. BOWLES, '33, is permanently at 373 Walnut Ave., Roanoke, Va.—so he says.

RICHARD W. TALLEY, '33, 115 Stuyvesant Place, New York City, is employed by the Proctor and Gamble Co.

JAMES S. CARSON, '34, is at present at the Hill Crest Hotel, Old Hickory, Tenn.

WILLIAM LEE DAVIS, JR., '35, is employed as a Junior Engineer by the U. S. Bureau of Reclamation. At present he is working on the designs of the Frenchtown Dam to be built in Montana. His lair is at 1040 Penn. St., Denver, Colo.

## RHO

BOYD C. STEED, '26, has now opened a consulting engineering office in Maxton, N. C., and is specializing in farm surveys and municipal engineering work. Prior to Mr. Steed's present business venture he was with the N. C. State Highway Commission for eight years, during which time he was gradually promoted from instrument man to supervisor of maintenance.

FRANK B. TURNER, '28, is married, has two daughters, and teaches at N. C. State College, Raleigh, N. C. During 1935 he was given leave to study air conditioning, and has designed, sold, and installed a number of successful air conditioning systems. The air seems to attract Brother Turner, for he also has a private airplane pilot's license.

ARCHIE B. FREEMAN, '30, is assistant sanitary engineer in charge of all shellfish sanitation work in North Carolina with office and laboratory at Morehead City, N. C. Mailing address: Box 482.

L. G. ATKINSON, JR., '33, is at 319 Swissvale Ave., Edgewood, Pittsburgh, Penn.

D. MURRAY HOUSE, '33, since the first of the year has been district distribution engineer for the Alabama Power Company in

Sheffield, Alabama, and tells us he "likes it fine."

BORIS B. PETROFF, '33, has been made assistant statistical engineer of the newly established Division of Statistics and Planning of the North Carolina State Highway and Public Works Comm. B.B.'s address is 2220 Hillsboro, Raleigh, N. C.

JAKE A. ROYAL, '33, is with the Newport News Shipbuilding and Drydock Co. as a draftsman in the Machinery Division. In 1934 he took for his better half Miss N. Virginia Cox who fries the steaks at 3315½ Washington Ave., Newport News, Va.

WILLIAM BOYD, '34, has transferred himself from the Lost List to the Mailing List by sending in his address, 244 3rd St., Niagara Falls, N. Y.

WILLIAM C. HARRIS, '35, will receive any mail sent to 102 West 3rd Ave., Lexington, N. C.

CHARLES N. ROGERS, '35, operated at the Waterville North Carolina H. E. Plant for some time after graduation, then on sub station construction at Hartsville, S. C. On March 1st he was transferred to the relay department. He is receiving his mail at his home address, Blenheim, S. C.

## SIGMA

JOSEPH M. BOWEN, '34, gives his mailing address as 227 Union St., Xenia, Ohio.

## TAU

V. RALPH SOBIERALSKI, '31, is living in Washington, D. C., at 2121 New York Ave. NW.

## UPSILON

DAN B. JAMISON, '30, is an engineering draftsman with the Land Utilization division of the Resettlement Administration. 1002 W. Maple St., Fayetteville, Ark. is his address.

STUART J. SIETSMAN, '35, takes on the feed at 1541 Lincoln Way East, Mishawaka, Indiana.

LEONARD D. PARSONS, JR., '35, hangs out at 795 Park Blvd., Glen Ellyn, Ill.

## CHI

CHARLES J. McCASH, '30, is with the Soil Conservation Service as assistant engineer in a supervising capacity over all projects under construction in the Western Navajo district.

HENRY T. PEARSON, '31, has returned to school after several years' service with the U. S. Magnetic Observatory in Tucson.

GEORGE D. GARDNER, '32, is carrying on the family interest in mines by working with the United Verde Copper Co. at Clarkdale, Ariz.

LAWRENCE BOOHER, '33, assistant engineer of the Soil Conservation Control in Safford, has been placed in charge of all work on the upper Gila River. Brother Booher will deliver a paper at the spring meeting of the Arizona section of the A. S. C. E. on the special problem and the work being done in connection with his job.

WILLIAM KENDRICK CLOUD, '33, is assistant in irrigation engineering work under the general direction of the Pima County Agri-

cultural Agent in Tucson.

ALEX W. EDELEN, '33, is at present with the American Smelting and Refining Co. at Potosi, S. L. P. Mexico, but has written Chi Chapter that he will return to the U. of Arizona next fall to take advanced work in mining and metallurgy.

ALVIN W. GERHARDT, '33, has moved to 929 N. Virgil Ave., Los Angeles, Calif.

ROBERT L. HOUSTON, '33, project superintendent at the Colossal Cave construction job, was married December 20, 1935, to Eloise Seamands, and is living at 823 S. 2nd Ave., Tucson.

J. R. OTHICK, '34, is general manager of the Compania Minera Santa Elena and Compania Minera Carawarcuna, both owning gold mines in southern Peru, and "doing fairly well" as most of the work is directed to the development of them.

LARRY D. KELLY and CLINTON RING, '35, received positions early this year with General Electric in Schenectady, N. Y.

## PSI

WILLIAM GIVEN, '31, who is working for the International Refining Co. at Sunburst, Montana, recently made a trip to Portland, Oregon, and returned with a bride.

DICK MATTHEW, '32, is a boss inspector at the Fort Peck Dam.

JOHN MUNZENRIDER, '32, is still engineering the operation of a gold dredge near Helena for the Porter Brothers Corp.

RALPH SEIDEMAN, ex '33, is back at the books again—this time at the New Mexico School of Mines, Socorro, N. Mex.

ROBERT JESS SMITH, '33, superintendent of the Zinc Roasting plant of the Anaconda Copper Company's smelter at Anaconda, Mont. recently gave a fine talk to the "Gleep" society of the Montana School of Mines. His subject was "Zinc Roasting as



- Practiced by the Anaconda Copper Company."
- R. J. WOODY, '33, recently relinquished his position at the Golden Messenger Mine to take charge of the new 200 ton mill of the Mount Washington Mine.
- ED. BONNER, '34, is again living in Butte. He is proving his worth in the Engineering Department of the A. C. M. Co.
- ARTHUR J. BOVEE, '34, has moved back to Butte and is sampling for the Anaconda Copper Co. Reports have it that Art is the delighted dad of a future Theta Tau.

- WALTER HAMILTON, '34, is an engineer at the Marietta Mine in Barton Gulch, near Alder, Mont.
- RAYWORTH HOWE, '34, manages the Christie Transfer & Storage Co., Helena, Mont.
- JOHN F. SULLIVAN, '34, is working in the government laboratories at Fort Peck, Mont.
- JOHN MATTER, '35, prefers verbiage to vectors—he has gone east to study law at George Washington University. Last year he received his B. S. in general engineering at Socorro, New Mexico.

## GAMMA BETA

- JAMES A. KELLEY, '28, is employed by the U. S. Bureau of Public Roads. His hide-out is 147 Tennessee Ave., NE, Washington, D. C.
- H. WARREN STEWART, '28, is with the Building Inspector's Office, District of Columbia, and lives at 715 Taylor St., NW, Washington, D. C.
- WENTWORTH B. CLAPHAM, '29, is now with The American Machine and Foundry Co., Brooklyn, N. Y., and may be reached at that address.
- DONALD R. KINNEY, '29, is one of those who monkey around at building construction. He lives at 3812 Beecher St., NW, Washington, D. C.
- WILLIAM J. ELLENBERGER, '30 and '34, is engineering with the Potomac Electric Power Co. He keeps his razor and toothbrush at 1359 Parkwood Place, NW, Washington, D. C.
- WILLIAM J. GOODWIN, '30, is doing P. W. A. work at Provo, Utah, and living at 467 South 2nd East.
- FRANK H. BRONAUGH, '31, is an examiner at the U. S. Patent Office, and resides at 332 South Carolina Ave., SE, Washington, D. C.
- RICHARD G. RADUE, '31, is also an examiner at the Patent Office, but he mows the lawn at 2007 O St. NW, Washington, D. C.
- KENNETH L. SHERMAN, '31, works at the Department of Terrestrial Magnetism, Carnegie Institution of Washington, and lives at 5334 Nebraska Ave., NW, Washington, D. C.
- JOHN R. BRASEL, '32, tinkers at the Navy Gun Factory. He lives at 3832 Garfield St., NW, Washington, D. C.
- FIRMAN P. LYLE, '32, is another examiner at the U. S. Patent Office. His car parks in front of 1414 Girard St., NW, Washington, D. C.
- ROBERT W. MOORE, '32, is working with the U. S. Bureau of Roads and is located at Berwyn, Maryland.
- HASKELL P. ROESER, '32, is discharging his duties with the Potomac Electric Power Co. when not at 1737 H St., NW, Washington, D. C.
- G. CHESTER THOM, '32 and '34, works for

- the Navy Gun Factory and lives at 1346 Hemlock St., NW, Washington, D. C.
- REYNOLD E. ASK, '33, is learning the "ins and outs" of air-photography and mapping with the U. S. Coast and Geodetic Survey. 3808 Garfield St., NW, Washington, D. C., marks his spot on the map.
- GILBERT BROOKS, '33, is an inspector for the U. S. Treasury Department on the new Post Office in San Antonio, Texas. On March 2, 1936, he signed up for life with Miss Dana Louise Cavett of Chickasha, Okla. They are making their home at 1202 W. Ashby Place, San Antonio, Texas.
- H. VELPEAU DARLING, '33, is an engineer with the Board of Engineers for Rivers and Harbors, War Department, and camps at 109 Colonial Village, Clarendon, Va.
- ELLSWORTH J. HAND, '33, is employed by the Potomac Electric Power Co. and is living at 601 Roxboro Place, NW, Washington, D. C.
- ALBERT H. HELVESTINE, '33 and '35, is an examiner at the U. S. Patent Office. His address is 440 New Jersey Ave., SE, Washington, D. C.
- FRANCIS M. HOFFHEINS, '33, is employed by the Bureau of Standards and is living at 1315 Decatur St., NW, Washington, D. C.
- REUBEN F. LEATHERWOOD, '33, is now at 3701 Grant Road, NW, Washington, D. C.
- FLOYD D. TRAVER, '33, is engaged in the making of ornamental concrete. His address is 2137 G St., NW, Washington, D. C.
- JAMES L. JOHNSON, '34, is an examiner at the U. S. Patent Office. His address is 4894 Chevy Chase Boulevard, Chevy Chase, Maryland.
- WARREN L. LAWTON, '34, is now "somewhere in Virginia," working for the U. S. Bureau of Public Roads. Mail will reach him if sent to his home at 1262 Talbert St., SE, Washington, D. C.
- FRANK E. BAILEY, '35, is an examiner at the Patent Office. His home is 3145 P St., NW, Washington, D. C.
- ALAN M. STAUBLY, '35, is employed by the District of Columbia and lives at 730 Quebec Place, NW, Washington, D. C.

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