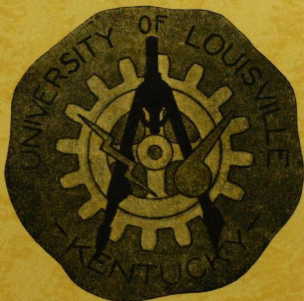


THE GEAR

OF THETA TAU



Volume **XXVIII**

Number **2**

SPRING, 1939

The GEAR of
THETA TAU



SPRING, 1939

VOLUME XXVIII

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

- PROF. J. M. DANIELS, Nu Hon. '22 *Grand Regent*
Carnegie Institute of Technology, Pittsburgh, Pa.
RUSSELL G. GLASS, Sigma '24 *Grand Vice-Regent*
23401 Chardon Road, Euclid, Ohio
ERICH J. SCHRADER, Alpha '05 *Grand Scribe*
Box 244, Reno, Nevada
PROF. JAMISON VAWTER, Zeta '16 *Grand Treasurer*
307 Engineering Hall, University of Illinois, Urbana, Illinois
PROF. DONALD D. CURTIS, Omicron Hon. '19 *Grand Marshal*
Clemson College, South Carolina
R. W. NUSSER *Grand Inner Guard*
5011 S. Benton, Kansas City, Mo.
NORMAN B. AMES *Grand Outer Guard*
8 Westwood Dr., Westmoreland Hills, Md.

DELEGATE AT LARGE

- H. H. HOPKINS, Beta '08 *Past Grand Regent*
1724 W. Fulton St., Chicago, Ill.

ALUMNI ASSOCIATIONS

- Central Ohio—E. E. Knorr, 60½ W. Northwood Ave Columbus Ohio
Chicago—J. B. Finch, 25th and Madison Street, Bellwood, Ill.
Cleveland—R. G. Glass, 23401 Chardon Road, Euclid, Ohio
Intermountain—C. Milton Anderson, 1365 S. 21st E, Salt Lake City, Utah
Kansas City—Paul Dwyer, 601 E. 61st St. Terrace, Kansas City, Mo.
National Capitol—Alan M. Staubly, Surveyor's Office, Washington, D. C.
Southwestern—W. A. Steenbergen, 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—Charles Britzius, 324 S. E. Walnut, 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.



- ALPHA, *Founded October 15, 1904* - - - - University of Minnesota
(Chapter house) 324 Walnut St., S. E., Minneapolis, Minn.
- BETA, *Established March 26, 1906* - Michigan College of Mining and Tech.
(Chapter house) 233 College Ave., Houghton, Mich.
- GAMMA, *Established November 8, 1907* - - - Colorado School of Mines
c/o Prof. M. I. Signer, Colo. School of Mines, Golden, Colo.
- DELTA, *Established May 23, 1911* - - - Case School of Applied Science
Theta Tau Box, Case School of Applied Science, Cleveland, Ohio
- EPSILON, *Established May 4, 1911* - - - - University of California
Box, Hearst Mining Bldg., University of California, Berkeley, Calif.
- ZETA, *Established April 17, 1912* - - - - University of Kansas
(Chapter house) 1140 Louisiana St., Lawrence, Kansas
- THETA, *Established May 26, 1914* - - - - Columbia University
c/o Prof. A. D. Hinckley, Eng. Bldg., Columbia University, New York City
- IOTA, *Established February 5, 1916* - - - - Missouri School of Mines
Theta Tau Box, Missouri School of Mines & Metallurgy, Rolla, Mo.
- KAPPA, *Established March 25, 1916* - - - - University of Illinois
c/o Prof. Jamison Vawter, 307 Eng. Hall, Urbana, Ill.
- LAMBDA, *Established April 29, 1920* - - - - University of Utah
Theta Tau Fraternity, Union Building, Salt Lake City, Utah
- MU, *Established January 3, 1922* - - - - University of Alabama
c/o Prof. Fred R. Maxwell, College of Eng., University, Alabama
- NU, *Established January 1, 1922* - - Carnegie Institute of Technology
P. O. Box 114, Carnegie Institute of Technology, Pittsburgh, Pa.
- OMICRON, *Established February 3, 1923* - - - - University of Iowa
(Chapter house) 804 North Dubuque Street, Iowa City, Iowa
- PI, *Established May 26, 1923* - - - - University of Virginia
(Chapter house) R. F. D. No. 3, Charlottesville, Virginia
- RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.
P. O. Box 5325, State College Station, Raleigh, N. C.
- SIGMA, *Established November 29, 1924* - - - - Ohio State University
(Chapter house) 1965 Indianola Ave., Columbus, Ohio
- TAU, *Established December 12, 1925* - - - - Syracuse University
c/o Prof. E. F. Berry, College of Applied Science, Syracuse, New York
- UPSILON, *Established April 7, 1928* - - - - University of Arkansas
216 Eng. Bldg., U. of Ark., Fayetteville, Arkansas
- PHI, *Established April 21, 1928* - - - - Purdue University
(Chapter house) 416 N. Main St., West Lafayette, Ind.
- CHI, *Established April 23, 1930* - - - - University of Arizona
Theta Tau Box, Engineering Bldg., University of Arizona, Tucson, Ariz.
- PSI, *Established May 7, 1932* - - - - Montana School of Mines
Theta Tau Fraternity, Care of Montana School of Mines, Butte, Montana
- OMEGA, *Established March 26, 1932* - - - - S. Dakota School of Mines
(Chapter house) 107 Kansas City St., Rapid City, South Dakota
- GAMMA BETA, *Established March 16, 1935* - George Washington University
c/o Dean of School of Engineering, George Washington University,
Washington, D. C.



ACTIVE MEMBERS OF ALPHA PI

Top row: Edelhauser, Sibley, Smithson, Sims, Hummel, Crim, Huber, Whitehead
Center row: Logsdon, Gohmann, Davidson, Jenne, Hodge, Hand, Mobley, Williams
Bottom row: Witherspoon, Cerf, Fontaine, Perry

Theta Tau Enters University of Louisville

Although Delta Beta Chapter has not been installed as THE GEAR goes to press, the ceremony will be held this spring. Members of Theta Tau will be interested in the following history and description of the University of Louisville and of Alpha Pi Fraternity, whose petition has been favorably voted upon by the fraternity.

HISTORY OF THE UNIVERSITY

The University of Louisville was founded by decree of the City Council of Louisville, Ky., on April 3, 1837, and the School of Medicine was opened that same year. The School of Law followed soon after, but it was not until 1907 that the College of Arts and Sciences (now the College of Liberal Arts) was added, though it had been a part of the original plan of the founders that the University should include departments for the promotion of science, literature and liberal arts.

A School of Dentistry became a part of the University in 1918 through purchase of this department from the Central University of Richmond, Ky., where it had been established in 1887. The last addition, that of the Speed Scientific School (Engineering) was made in 1925.

In 1917 a donation of the immediate family of William R. Belknap had made possible the purchase of a tract of land of about eighty acres for a new site for the University. In 1923 this site was sold. In November, 1925, the city of Louisville authorized an issue of \$1,000,000 in bonds of the

city for the expansion of the plant of the College of Liberal Arts and the Speed Scientific School. With a part of the proceeds of this bond issue together with the proceeds of the sale of the Belknap tract, the Belknap Campus, located at Third and Shipp Streets and Eastern Parkway and containing forty acres, was purchased. On this campus are located the College of Liberal Arts, the Speed Scientific School, the School of Law, the Speed Museum, The Playhouse, and the general administration offices.

The total enrollment in the University is now over 4000, while that in the Speed School slightly exceeds 200.

SPEED SCIENTIFIC SCHOOL

In 1924 Mr. William S. Speed and his sister, Mrs. Frederic M. Sackett of Louisville, through a gift of \$250,000 created as a memorial to their father, the James Breckenridge Speed Foundation for the establishment of a school for the study and advancement of the sciences related to engineering. The school is known as the Speed Scientific School, and was opened in September, 1925.

The record of this school, brief though it may be, has been one of outstanding achievements and service to the community. In 1935 the Chemical Engineering Department was accredited by the American Institute of Chemical Engineers, and became the first south of the Ohio River to be so honored. In 1937 the school was fully accredited in all its branches by the

Engineers' Council for Professional Development, supplementing previous accreditations.

The school was for twelve years under the able leadership of the late Dean Bennett M. Brigman, who was in a large sense responsible for the high ranking it has attained.

Dean Brigman, or, as he was better known to the students, "Dad" Brigman, was not only a noted educator

versity of Tennessee, assumed the duties of Dean of the Speed School starting September 1, 1938.

GRADING SYSTEM

The grading system in use in the Speed Scientific School is the usual grade point system. While a definite grade point standing is not now required for graduation, this matter is



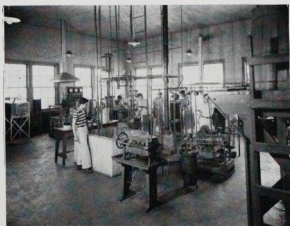
Main Building, Speed School

and "Human Engineer," but was a vital force in his community and his profession. He was active in many fraternal and professional organizations. Of these might be mentioned the American Society of Mechanical Engineers, of which he was a vice-president at the time of his death in February, 1938.

Ford Lee Wilkinson, Jr., formerly Professor and Head of the Department of Mechanical Engineering at the Uni-

versity of Tennessee, assumed the duties of Dean of the Speed School starting September 1, 1938.

A thesis is required of every candidate for a degree. The following undergraduate degrees are given: B.Ch.E., B.C.E., B.E.E., B.M.E. The graduate degree of M.S. is given at the present time in Chemical and Mechanical Engineering. The professional degree is given in all four branches.



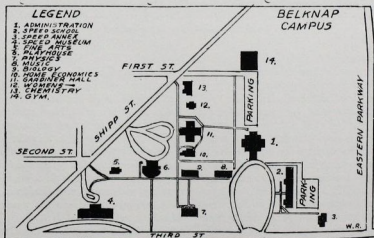
Scene in Chemical Engineering Laboratory

THE CO-OPERATIVE SYSTEM

The courses in engineering are of the "co-operative" type and are so arranged as to provide for specialization in the important fields of these sciences. The co-operative plan is based upon the need of theory and practice under working conditions of engineering. It is not an experiment in edu-

cation; it is, on the contrary, a successful plan that produces graduates of executive ability who are capable of the management of engineering industries and who have a broad perspective of scientific and engineering work.

To obtain this practical training the classes are divided into two groups, one of which is engaged in class work



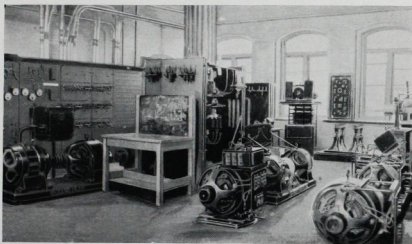
and the other is employed in an industrial establishment. After three months these groups change places.

The course of study covers four years of intensive work. The Freshman year is spent in class work, the Sophomore and Junior years are divided between class work and co-operative work, and the Senior year is devoted to class work in an effort to unify and complete the program of

the work on which he has been employed.

HISTORY OF THE ALPHA PI FRATERNITY

The Alpha Pi Fraternity was granted its charter on March 16, 1926, less than a year after the founding of the Speed Scientific School as a department of the University of Louisville. Its creation arose from the realization by



View of Electrical Engineering Laboratory

the three previous years. This course provides the same amount of theoretical training usually given in any engineering or technical school.

While at work in the industries, the student is visited at frequent intervals by the Co-ordinator, who discusses with the student the work which he is doing and its relation to the theoretical training received in the classroom. The Co-ordinator also interviews someone under whom the student is working. These investigations are supplemented by reports written by the student, covering all phases of

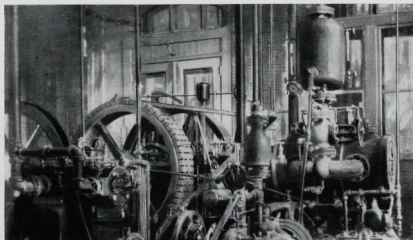
its co-founders, the late Dean Brigman and Professor Wylie B. Wendt, senior member of the faculty, of the increasing need of the school for a fraternity of its own. They intended this fraternity to be of professional nature, with membership limited strictly to engineers and composed as nearly as possible of a group consisting of students with high scholastic standings and records of leadership and outstanding performance in general school activities.

With these objects in mind the selection of the several students that would

individually meet these requirements and collectively form a homogeneous and harmonious group, was undertaken. From the student body twelve boys were chosen. When the final choice was made the students selected were informed of the movement and each one called into conference on the possibilities of rejecting any of the others not deemed suitable to the enterprise. As there were no rejections

D. M. Bennett then served, and was followed by Prof. J. A. Ayers. At the present time Professors G. H. Harding and J. M. Roberts are the faculty advisers.

Alpha Pi has had for several years an organized alumni chapter, which holds meetings once a month. An Active-Alumni Get-Together once a year is always the occasion for much fun and good fellowship. The advice



Section of Mechanical Engineering Laboratory

the group seemed particularly well chosen.

The details of organization were then quickly but thoroughly worked out and the first business meeting was held a few weeks later. The first meeting place was one of the class rooms of the school, but a few months after its organization the fraternity obtained rooms of its own, and has maintained them until the present time.

The late Dean Brigman was the Fraternity's first faculty adviser, and was succeeded by Prof. Wendt. Dr.

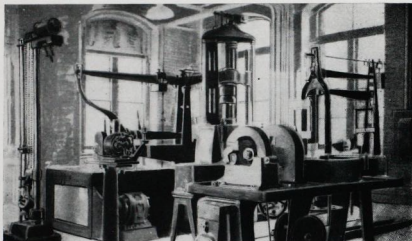
and co-operation of the Alumni have been invaluable to the Actives.

PERSONNEL OF ALPHA PI

FACULTY ADVISERS

George H. Harding, BCE, (1926), C.E. (1931), Ohio State University, Assistant Professor of Civil Engineering and Mathematics.

Jean M. Roberts, EE (1926), University of Virginia, MS in EE (1928), Massachusetts Institute of Technology. Associate Professor of Electrical Engineering.



View of Strength of Materials Laboratory

HONORARY MEMBERS

Wylie B. Wendt, BCE (1906), CE (1930), University of Kentucky. Professor of Civil Engineering.

Donald M. Bennett, BA (1921), MA (1922), PhD (1926), University of Wisconsin. Associate Professor of Physics.

Joseph A. Ayers, BA (1917), MA (1924), University of West Virginia. Associate Professor of English.

MEMBER IN FACULTY

Wilson R. Barnes, BS in ChE (1937), MS (1938), University of Louisville, Instructor in Chemical Engineering.

ACTIVE MEMBERS

Woodrow Cerf, ChE '40
 Thomas Haley Crim, Jr, ChE '39
 Alex Boyd Davidson, ChE '39
 Edwin George Edelhauser, ME '39
 John Fontaine, ChE '41
 Robert Goetzman, CE '41
 Herbert Ray Gohmann, CE '41
 Thomas Hand, ChE '40
 Hugh C. Hodge, Jr., ChE '39

Paul Edward Huber, ChE '41
 Harry H. Hummel, ChE '39
 Lee Charles Jenne, ChE '40
 Hal Newbold Logsdon, ChE '41
 John Mobley, ME '40
 William Perry, EE '39
 Harry E. Sibley, CE '39
 Himus S. Sims, ChE '39
 Frank W. Smithson, ChE '40
 John Norman Whitehead, ME '41
 Robert Williams, ChE '41
 David Lane Witherspoon, ME '39

PLEDGES

Seaton Hunter, ChE '41
 James Strother, ME '41
 John Byder, '42
 Thomas Coleman, '42
 Willard John Davis, Jr., '42
 James Clifford Droppleman, '42
 Fred Gillman Heil, '42
 Nelson Gritton, '42
 John McClain, '42
 George Launcelot Michael, '42
 Kenneth Sipe, '42
 Charles Alfred Straeffer, '42
 James Thornton, '42
 Ernest Lee Witten, '42

Grand Regent Daniels Writes on Professional Development

The purpose of our fraternity is to develop and maintain a high standard of professional interest among our members and to unite them in a strong bond of fraternal fellowship. Following this statement of our purpose in the present constitution there is a blank space which would seem to invite additions to this paragraph and leaves one with the feeling that something is lacking. This blank space stands as a challenge to all of us as to the best methods to be pursued in satisfactorily making our purpose a reality. How can we best develop professional interest and awaken our members to their responsibility? If we are to justify our existence as a professional fraternity, we must have some professional activity while in college which will be of practical service as alumni. In keeping with our purpose, what could be a more worthy national policy than to promote professional development programs?

The term "professional development", in itself, is so broad that it cannot be readily defined. In such a program what are we to stress? What shall be our goal? Literacy—a mastery of reading and writing—is certainly a prerequisite if we are to enjoy science, culture, and our present-day advantages to their fullest extent. Attention must also be given to research, education, good manners, and creative ability. Professional development suggests the development of personality, which in turn suggests livability. Simply stated, if you are a good fellow to live with, you must have some of

that hard-to-define, intangible something called personality.

How do these various points fit into our program, and what do they suggest? We can readily see that education is much more than knowing facts. When we ask, "What is more than this limited conception of knowledge and the methods of attaining it?" we need to discover what education is, and looking to a standard dictionary, we find that it is a simple process—"the systematic development and cultivation of the natural powers, acquired by instruction and training in an institution of learning." From the same source we discover that which education develops: "true knowledge is a practical understanding, a clear and certain apprehension of truth; is all that the mind knows from whatever source derived or obtained or by whatever process, the aggregate facts, truths, or principles acquired or retained by the mind." There is a tendency to regard knowledge as accurate and systematic and to a certain degree complete in itself. An institution of learning, then, not only is obligated to transmit and enlarge knowledge, but has an additional responsibility of producing intelligent, capable leaders and in so doing will stress the importance of developing social and spiritual attributes in the individual.

In order to satisfy these broader aims of education, many institutions are introducing more and more courses dealing with culture and professional development. At the Carnegie Institute of Technology approximately

twenty-five per cent of the curriculum time is devoted to these studies, and the program as now in operation has for its objectives:

- (1) A clear, historical understanding of the parallel growth of science and engineering, on the one hand, and social customs, relations, and institutions on the other, and how these have reacted on each other;
- (2) Social consciousness and historical



Grand Regent Daniels

perspective of social evolution, especially since the beginning of the machine age;

- (3) Ability to read purposefully concerning problems involving social and economic elements in order to make critical analyses of such problems and to arrive at intelligent opinions about them;
- (4) Ability to organize thoughts logically and with purpose;
- (5) Ability to use the English lan-

guage to express those thoughts effectively, orally and in writing;

- (6) A continuing interest in all these matters and thus the desire to become educated.

"This program overlaps traditional departments of study. Materials are presented as aspects of an integrated body of knowledge rather than as segregated disciplines. The program offers progressively increasing opportunity for independent work, with seminar methods predominating in the later years. In order that ability to express thought may keep pace with progress in understanding, instruction in oral and written English will be an integral part of the course. Throughout the four-year program, the student's work is appraised on the basis of his ability and competence in relation to the fundamental objectives of the program."

In order to complete such a program successfully, what kind of students are desired? Most of us, of necessity, are required to make a living and it is highly desirable from an economic point of view that we equip ourselves so that we may be secure. As a consequence, security is of prime importance to all of us. We have too many students in the colleges today whose desire and ambition is to do just sufficient work to pass the requirements and to "get by" with as little effort as possible. Every college man represents an enormous monetary investment, and these students who are desirous of just passing the minimum requirements represent a huge deficit in the college budget, since the tuition fees received from the students represent approximately fifty per cent of the total cost of the educational program. Colleges, being judged as they are by the achievements of their

alumni, must make this investment in the better students, and as a result "institutions particularly desire students whose vision and ambition are so sweeping that these ends are merely incidental; students who have thought enough about the needs of the present and the future and who are sufficiently familiar with what has been done to know of the needs and opportunities that remain; students with ambition for service and achievement in science and engineering—young men with the imagination to create ideas and the determination to carry these ideas through. Such men are never satisfied with merely 'getting by'."—Floyd Tift.

Why is such a broad program of engineering education necessary? There can be no argument against the fact that the engineer must be more than a technician. He must be a thinking individual and a liberal member of society. Approximately sixty per cent of our technical graduates will eventually be in positions which require handling and supervision of men. Is it not only natural, therefore, that serious consideration should be given to this problem of getting along successfully with one's fellow men, which will certainly require more than mere technical preparation? Further, has the engineer had sufficient background to understand the social implications of his work? On every side we hear the criticism that the engineer has not shown sufficient interest nor responsibility in civic and economic affairs, that his point of view has been too limited, and that he has given too little consideration to the social effects of his creations. Still further, what about the engineer's social intercourse? Is he, more than any other professional

man, lacking in good manners or business etiquette? The recurrent asking of these leading questions implies the necessity for reviewing the state of the engineer's professional development. Perhaps there is something in it that needs improvement.

For many years Theta Tau has been in accord with such a program of questioning and improving the goals of engineering education and will continue to do everything possible to further extend the benefits to be derived from professional development. Certainly our chapters which sponsor awards are developing the incentives to attain higher standards because in all of the outlines covering the award the importance of good character, creative ability, breadth of interest, versatility, and the ability to be a "good mixer" is highly stressed. We must bear in mind that programs of professional development are not limited to the classroom. There is much that can be learned outside.

The tedium of technical work is often relieved by some judicial "hobby-riding" such as photography, stamp collecting, model railroading, etc. In addition, try a little optimism. Learn to laugh and smile. When you are doing these things, your brain for a moment is freed from its usual burden. Learn to greet your brothers with a smile. Usually they carry too many worries in their own hearts to be bothered with any of yours. If you do these things, you, your school, and Theta Tau will be enriched by the experiences gained and you will be a happier and better adjusted individual.

"Whatsoever the hand findeth to do, do it with thy might."

J. M. DANIELS, Grand Regent

Impressions of Grand Outer Guard Ames After One Year on the Executive Council

My first year as the "baby" member of the Executive Council from the "baby" chapter of the fraternity has been full of impressions. I was installed as Grand Outer Guard just about a year ago after being honored at the Biennial Convention in December. Gamma Beta was celebrating its third birthday and the Grand Regent came down for the occasion. "Uncle" Fred Coffman (he is uncle to Gamma Beta) who was Grand Regent when the chapter was installed, was there, full of smiles, and cut the cake, had his picture taken and all that. The National Capitol Alumni Association had been granted a charter at the Convention and the "boss" brought that along and delivered it to Rex Anderson. All in all it was a great part except for one sadness.

Ted Thee, Zeta '26, who had labored so long and hard for an active and alumni charter in Washington, died in December just before the fulfillment of his last objective. There were a few simple words of appreciation and the lights of Gamma Beta's glittering new replica of the badge were dimmed. I shall long remember Brother Thee, his enthusiasm for and devotion to Theta Tau.

In May I journeyed down to Pi for a celebration there. Pi folks weren't strangers to us for Buck Dinwiddie had led an invasion of Washington in March. Brothers Dinwiddie, Quarles, Oliverio, and Wade (the invaders) it developed, were a fair sample of Pi and the whole aggregation left nothing undone. I'd been to Farmington before so I learned of Theta Tau the night of the banquet. Jack Sidebottom

had his trio in fine shape and again, all in all, everyone had one grand time. I remarked to Dean Rodman that even though his boys went down, they always bounced up again.

Five or six Gamma Betas attended this occasion and came back with such glowing accounts that when the Regional Conference in October was sponsored by Pi, there was a modest delegation of fifteen hungry and thirsty Washingtonians johnny-on-the-spot. Charlie Gareau was there again and Guy Watson was also "in evidence". He was determined to measure up to the standards of chivalry set by his Southern brothers and was popularly acclaimed "Wolf" Watson from thence-forth on.

There were delegates from Nu, Rho, and Theta as well and I think it speaks well for the interest of those men when one remembers that they drove all night in several instances to miss a minimum of classes—that is the stuff engineers are made of. Grand Regent Daniels could not attend the Conference but Grand Vice-Regent Russ Glass was there and after all, these Conferences are his idea. We had a lot of discussion and accomplished much in the very brief time at hand. For a full account of the Conference read the Fall 1938 issue of *THE GEAR*.

These Conferences are a fine means of promoting fellowship and should pay big dividends on the investment by the Grand Treasury.

Two sequels to the Conference must be revealed here. In the first place, Pi had a nice new sign out front and visible from the highway—in fact,

overhanging it. Well, they didn't have it when things broke up and the delegates departed. There was a pretty general belief that Gamma Beta had snitched it though Quarles afterwards said he knew better—in fact knew who did take it. To dispel any doubts I can say that I saw it displayed high on the walls of Theta when I went up there in November and the truth is that "Vic" Franceschini and his delegation just couldn't resist the temptation.

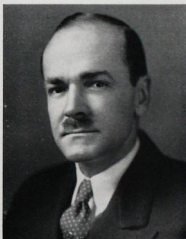
Gamma Beta has a souvenir of the conference because when the mileage money was received from Grand Treasurer Vawter, they gave every penny of it to the George Washington University Food Drive for the poor and received a very bright and shiny copper cup resplendent with engraving. If they never win a cup for anything else they at least have one.

On November 4th I received a wire from the Grand Regent requesting that I go to New York if possible the next day and I wired back I would. Columbia was giving Virginia a little instruction in football and to make the folks from Pi feel better, Theta was holding an initiation, dinner and dance. I couldn't make the game but did get to the initiation et cetera that followed, after covering most of upper New York looking for Vic and the chapter room. I found my way to his home and came very near passing up the whole works to have dinner with his mother, dad, and sweet wife, Nancy. (Incidentally, I failed to mention the fact that she found the Charlottesville potatoes "too hot to handle" and received a pretty mean burn on her hand, but was a grand sport about it.)

To make a long story short, I spent a busy time with Theta and Dexter

Hinckley (perhaps I should say Professor Hinckley or Dean Hinckley, but he is Dexter to those who know him), their chapter advisor, and caught the train home just twenty-four hours after leaving the day before. Hectic?—yes, but worth every bit of it. Someday I am going back and take it all in.

Last May I was instructed by the Grand Regent to journey down to Louisville in the land of good horses and whiskey (so they say) to inspect Alpha Pi, a local at the Speed Scientific



Grand Outer Guard Ames

School of the University of Louisville. I joined Professor Vawter there and met Brothers Harding of Sigma and Roberts of Pi, both staff members. They have a fine bunch of boys there and I hope their petition for a charter goes through. My wife and two daughters—five and fifteen—stopped off there on their way to Mississippi, were shown the town, and are strong rooters for Alpha Pi. I got mixed up in a wedding party at the Brown Hotel and almost missed an appointment.

The alumni of Alpha Pi were very kind to me and showed me the town including the automatic hydro plant which was submerged during the last rampage of the Ohio. I had dinner with Professor Fife, whom I had met ten years ago in Schenectady, his wife and little daughter Margaret, just before catching the train for home.

And so it has been, meeting new people, reading letters and reports, learning about Theta Tau and her people. I am convinced that in these days when every organization is more or less on the spot including civilization itself, and especially fraternities, that Theta Tau has much to offer by way of justification for existing. Engineers must recognize the need for, and value of co-operation as other pro-

fessions have already done. Theta Tau offers a great meeting ground in the early days of professional discipline represented by the usual engineering curriculum, and I am grateful to the founders for their foresight and wisdom. I am grateful, too, for those who wear the badge because I've found them to be fine folks. The last goes for the women-folk of Theta Tau and I frequently judge men by their women—wives, if they have them, girls if they are single. There is one whose opinion I and many others value, Professor "Walter Winchell" Morse of Pi Chapter, and I recall his words last October when he said: "You know, Ames, Theta Taus are much alike and a fine bunch wherever you find them."

L. W. LeRoy, Gamma '33, Describes Highlights of Java

After reading the fall edition of THE GEAR recently received and reading over the various letters submitted by members actively engaged in mining and geology at various points scattered over the globe, I thought perhaps you would be interested in a few comments from Sumatra that would help fill up space for a future issue.

Leaving the States on May 4, 1937, and after 42 days of ship travel via Japan, Shanghai, Hongkong, Manila and Singapore, I arrived in Batavia, Java. A year spent on this island doing the micropaleontological work on the west Java section and watching a well being drilled by our company (Nederlandsche Pacific Petroleum Maatschappij) was one not easily

to be forgotten. Java is a beautiful and colorful land of many contrasts. Its population of 314 persons per square kilometer, its numerous and well organized agricultural systems, its archological interests, its rugged mountain region are impressions never to forget.

A year later, May 10, 1938, I was transferred to Medan, Sumatra, where at the present, the laboratory is permanently established. June 14 I flew to Singapore to meet my wife and youngster and for the time being our home is in Medan. The climatical conditions in Medan are quite agreeable. Nights are cool and pleasant.

The town itself is well organized and supports a population of 75,000 persons, of which 4300 are Europeans.

Living costs are high, though not unreasonably so. When the climate becomes too warm and the body becomes "loggy" a few days "up country" (in the mountains) gives a person surprising "pick up." Medan is quite healthy. Water may be taken from the tap directly and drunk without the necessity of boiling. Malaria is practically unknown.

Sumatra, unlike Java, is a land of comparatively few people, averaging about 18 persons per square kilometer, about 1/17 that of Java. It is the land of the tiger, elephant, tapir and many other animals. Its flora is of great diversity and an ideal place for the botanist. The population of the island consists of a mixture of Javanese, Malay, Batak, Atchenese and many other races including the Chinese, Japanese and Hindu. The native groups are rapidly becoming modernized. Very few localities over the island have yet to be explored.

Travel in Sumatra may be by air, train, automobile, karabau (water buffalo) bicycle or by walking. Auto roads are few but they form a loose network over the greater part of the island. Air service is good though irregular between here and Europe as

well as other points about the East Indian region.

The great area in which little exploration work has been done lies in the low coastal area of central Sumatra. Until our company began work in this area there was little known of it. Fortunately, I have been able to make numerous trips into the country to examine surface sections and have crossed many interesting sights such as the tidal bou on the Rokan River, the old Hindu ruins of the Padang Lawas, the active volcanoes along the Barissan Mountain Chain, the crocodile infested east coastal swamps.

Sumatra is a land of the future. With its mineral wealth, hard works, and ideal climate for tea, coffee, tobacco, the island resources will undoubtedly keep the "home fires burning" for many years to come, provided Herr Hitler doesn't decide to add it to his objectives.

Next week (February 8) I am taking my local leave and plan to spend several weeks in French Indo China. Here the famous Hindu ruins of Angkor will be visited. On the way back several days will be spent in and around points of interest in Siam. Hope this wasn't too long.

In Memoriam

GEORGE B. DILLINGHAM, Epsilon '11

George B. Dillingham, Epsilon '11, resident manager of the I. X. L. Mining Company, Balete, Masbate, Philippine Islands, died March 14, 1939. He had been connected with I. X. L. for a little more than a year at the time of his death, having gone to the Islands in 1937.

Brother Dillingham's previous experience, which brought him a wide circle of personal and professional friends, included service with the San Vicente Mining Company in Mexico, the Bolivia Tin Corporation in Bolivia, Cerro de Pasco Copper Corporation in Peru, and

Electric Bond and Share. He made an extensive survey of Central American mining properties in 1929.

DR. FREDERICK JAMES PACK, Lambda '04

Dr. Frederick James Pack, Lambda '04 professor of geology at the University of Utah, died December 2, 1938. Identified with the university's department of geology since 1907, Brother Pack has achieved international recognition for his many writings pertinent to the mining industry, underground water supplies, and the western dinosaur fields.

Dr. Edward Payson Mathewson Honored by American Institute of M. and M. E.

At the annual meeting of the American Institute of Mining and Metallurgical Engineers held in January, 1939, a signal honor was bestowed upon Dr. Edward Payson Mathewson, Chi honorary. At this meeting, Dr. Mathewson became a member of the Legion of Honor of the American Institute, having been



Dr. Edward Payson Mathewson

a member of this Society for 50 years. He was one of 13 receiving this distinction, and one of 7 who were able to be present at the presentation of the award.

Dr. Mathewson's record in *Who's Who in Engineering* contains literally dozens of entries and shows a splendid

background of accomplishment. Born in Canada in 1864, he was graduated from McGill University with a B. of App. Sc. Degree and later received an LLD from that institution. A DSc degree was granted by the Colorado School of Mines in 1920. The many positions held by Brother Mathewson range from Assayer to General Manager and Consulting Metallurgist and Director in various mining companies. Since 1926 he has been Professor of Administration of Mineral Industries and Consulting Metallurgist at the University of Arizona. Improvements of smelting processes and many contributions to technical publications as well as membership in many societies indicate the value of this brother to modern society.

Dr. Mathewson is hale and hearty in every respect except for his hearing. He has a splendid voice, is a good singer, and is the life of the party at the annual St. Patrick's Day celebration in Arizona. He has a wonderful story on the life and experiences of St. Pat, which gets longer and more interesting every year, and is always the source of a good deal of amusement at the celebration. In addition to his other community activities, Dr. Mathewson always finds time to meet with Theta Tau at special functions, and on numerous occasions has served as toastmaster and speaker of the occasion. Theta Taus are very happy indeed to see this special honor bestowed on one of their members.

Theta Tau Lore

The following correspondence brings to light some interesting experiences of the founders and earliest members of the fraternity which any Theta Tau will read with interest.

Dear Mr. Schrader:

Fifty years in the Yellowstone is the record of Jack Ellis Haynes, authorized park photographer. Having come here first in 1888, where his father, F. Jay Haynes, had held the photographic concession since 1883, Jack is celebrating his golden anniversary in the park this year. In 1916, due to the failing health of F. Jay Haynes, Jack succeeded his father as the park's authorized photographer, which concession he has held since that time.

Jack has been untiring in his efforts to protect the park and his famous pictures and those of his father have brought the Yellowstone to the attention of many people, not only in the United States but all over the globe. He has given unstintingly of his time and of his money to improve the service of the park and he has been most co-operative with all superintendents and other officials who have been assigned the task of administering the park.

One of Jack's most cherished possessions is his Yellowstone library which contains many valuable publications on the park. As a memento to add to his fine collection and as an appreciation from his many friends the thought has occurred to me that nothing would be more precious to him than a collection of letters from these friends containing their own signatures.

With this in mind I am writing this

letter to these friends with the suggestion that each one addresses a letter to Jack personally, without any reference whatever to me or this letter, congratulating him on his half century in the Yellowstone and adding such other thoughts as may seem appropriate. Such letters are to be sent to me and after receipt of same I will arrange for having them appropriately bound and will present the book to Jack with the compliments of his many friends and admirers.

I would appreciate it, therefore, if you would prepare such a letter and forward same to the writer, to reach here not later than November tenth, for inclusion in the book. It is suggested that the letter be typed on your regular letterhead, if possible, with a sufficiently large margin on the left side to permit proper binding.

Thanking you for your co-operation in this matter, I am

Sincerely yours,
EDMUND B. ROGERS
Superintendent
Yellowstone National Park

December 8, 1938

Executive Council of Theta Tau
Dear Brothers:

During the past summer, I. B. Hanks, Alpha '07, and one of the founders of Theta Tau, suggested that a reunion be held in Yellowstone Park, with Jack E. Haynes, Alpha '08, the first person I bid to join H & T, and who celebrated his Golden Anniversary recently as the authorized photographer in Yellowstone Park and one of the recognized authorities on the geology of the Park. So we arranged the visit late in October for Hanks

and myself and Geo. F. Weisel, Alpha '07, Arthur Larkin, Alpha '07, and Ralph Edgerton, Alpha '07, who was the first person initiated by the founders in the room where Vinal and I lived. At the last moment Vinal was unable to attend and he sent us the enclosed letter which I am passing on to you.

I am sure that you will all read it with interest.

In H & T,

E. J. SCHRADER

1616 Northern Life Tower,
Seattle, Washington
Sept. 24, 1938

Dear Erich, Ike, Ralph, George, Art and Jack:

Greetings! It is with profoundest regret that I find myself unable to be with you this, the really first reunion of the original little group of downy-lipped youngsters who stepped out with more—yes, far more—confidence, to organize a national fraternity, than any of the same group today would have in starting even a two-bit corporation.

Many years have passed and much water has gone over the dam since then. We have all climbed the ladder, and sometimes even ridden the cage up the shaft of life and, I think, all of us have learned from hard experience that both means of transportation also go in the opposite direction.

Sometimes the fellow ahead steps on our fingers. Occasionally the fuse blows and off goes the power, and then again the string breaks or the works cave in and well—there we are. Just as we begin to throw out our chests and think we are getting somewhere, our analytic training steps in and causes us to doubt if we are even

beginning to find out what it is all about. We travel the highway in the storm and in calm. The lightning strikes. We stub our toes. Casualties occur. The wings whistle close; and we congratulate ourselves that we were missed. The sun comes out and we bask in its warm rays, only to keep awake nights with that dingbusted sun-burn. So there you are.

But now and then comes a time like the present, when we can all step aside into the quiet darkness of an old drift, or gather in the shade of a stately conifer standing guard by the scene of matchless grandeur, or around a crackling camp-fire by the side of God's mirror, ruffled only by the break of wandering trout, the stillness only enhanced by the soft voices of gathering ducks, and the gurgle of Ralph's pipe. Or perhaps we just have our feet under the same table, with pleasant viands before us, the cup that cheers at our elbow, and the air blue with the smoke of reminiscence and the tales of experience (and fancy). This is the time when we step back and the intervening years drop away for the nonce;—and there the young squirts are at it again. Yes, the guard is down; but what a difference! The harum-scarum scatter-brains of youth replaced and immensely enriched by the balance and maturity of age and experience. And who would go back?—even though the road ahead may not be so long as the one we have traveled. Would we trade what we have acquired for what we had those days?

Even though the pleasure of seeing any of you for over thirty years has not been mine, I feel that today the bonds of friendship and the spirit of H & T is stronger between us than in those days of yore. And right now,

I am looking forward to the day when I can greet you and shake your hands individually and collectively. May our paths cross soon. So here to old Hammer and Tongs, kindest regards, good

fortune and long and happy lives to all of you today.

In H & T,

EL.

E. L. VINAL

Engineer of Mines

LAST CALL

FOR DIRECTORY ORDERS

The new directory will follow this issue of THE GEAR through the press. It is not planned to print many more copies than the number ordered in advance. The price after publication is \$1.50, before publication \$1.00.


Order your copy now for two good reasons:

1. You save 50c
2. You will be sure of getting a copy.

Lambda Sponsors . . .

Come all you Theta Taus to the 1939 Round-up! Gather at the Utah Copper Office Building in Bingham Canyon, Utah, May 20, 1939, at 2:00 P. M. for a conducted tour of the Utah Copper Mine. See for yourselves the largest open cut mine operation in North America, where more material has been moved than was moved in the construction of the Panama Canal. Get a close range view of the 5 yard electric shovels loading 85-ton cars in a few minutes. Watch the electric locomotives assemble trains on the 23 levels of the mine. As many as 900 85-ton cars of ore have been shipped to the mills in a single day and as many cars of waste have been dumped on the huge waste dumps.

Recently operations of the Utah Copper Co. have made it necessary to construct a 7,000 foot vehicular tunnel around its ore body to allow the removal of ore on the road from lower to upper Bingham. The tunnel was driven from both ends and good engineering work accounted for a perfect connection.



**A NATION WIDE
THETA TAU ROUND-UP**


Are you going West to
San Francisco's Fair ?
Are you going East to
New York's Fair ?
Are you going South to
Southern Utah's Parks
and Boulder Dam ?
Are you going North to
Sun Valley and
Grand Coulee Dam ?

Wherever you are going
arrange your trip so you
will be in Salt Lake City
May 20, 1939.

There will be good food,
good fellowship, good
entertainment,
Yippie !!

The Banquet will be
at the Newhouse Hotel
at 6:30 P.M.

Please Reply to
C. Milton Anderson, Secy
of I. A. A. of Theta Tau
1345 So. 5th East,
Salt Lake City, Utah



The man made topography of Bingham Canyon changes very rapidly. A mountain is literally being transported 18 miles. Branch canyons are being filled with waste. Those who have not visited the mine for ten years will be amazed to see the changes.

Statistics about the mine:

Covers 524 acres.

Has 29 9-ton dipper electric shovels.

142,185 tons ore and capping maximum daily output would make 21.5 mile train.

90 miles of standard gauge railroad.

Height of mountain above pit, 1,600 feet.

Annual consumption of electricity, 375,000,000 kw. hours.

$\frac{1}{2}\%$ copper ore is mined at a profit.

The electric shovels load an average of 5,000 tons in an eight hour shift.

The concentration mills at Arthur and Magna have a daily capacity of 34,000 and 36,000 tons respectively and are located 18 miles from the mine.

No matter what field of engineering you are following you should find

something to interest you at the Utah Copper Mine. You would enjoy attending the 15 minute Noon recital in the L. D. S. Tabernacle to hear and see the mellow old pipe organ which you have doubtless heard on the radio. There will be a banquet and program

at 6:30 P. M. at the Newhouse Hotel.

Please write to let us know you are coming so that we can make adequate preparations. We are looking forward to the pleasure of entertaining you in Salt Lake City.

Yippee!



Utah Copper Mine—largest open cut operation in North America

Essay Contest Open to College Men

The investment banking business is undertaking to direct the attention of college men, and women, to its professional possibilities, with a view toward attracting the leaders of successive graduating classes to its ranks. This is one consideration behind the I. B. A. Essay Awards just announced by the Investment Bankers Association of America. The competition will be open to undergraduates in all American colleges and universities and offers three cash prizes, of \$300, \$150, and \$50, for the best essays which, in the judgment of the Jury of Awards, will contribute to a better public understanding of the business of investment banking.

The essays, which must be submitted by July 1, 1939, will be judged by a distinguished Jury of Awards made up of the following individuals:

Kenneth C. Hogate, President, The Wall Street Journal, New York City

James M. Landis, Dean, Harvard Law School, Cambridge, Mass.

Harold G. Moulton, President, The Brookings Institution, Washington, D. C.

Robert G. Sproul, President, Univ. of Calif., Berkeley, Calif.

Robert E. Wood, President Sears Roebuck and Co., Chicago, Ill.

Few Essay competitions have ever been established on a broader basis as to scope and choice of subject matter. The only specification is that papers entered contribute to a better public understanding of investment banking. There are no restrictions as to method of approach or treatment and attention can be given to general aspects or concentrated on special phases. Papers may deal, for instance, with one or more of the economic or social factors involved, present proposals for changes in technique of the business, or consider phases of the regulatory measures of the last few years.

The GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

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

211 ENGINEERING HALL

IOWA CITY, IOWA

Subscription \$1.00 a Year

Life Subscription \$15.00

VOLUME XXVIII

SPRING, 1939

NUMBER 2

DELTA BETA CHAPTER

While the formal installation ceremonies for Delta Beta Chapter at the University of Louisville have not yet been held, it is expected that these events will take place soon, possibly before this publication is in the mails. We are a trifle premature in extending a welcome to the new members from the Blue Grass State, but in spite of this we do welcome the new brothers to Theta Tau and hope that they will quickly feel at home in our group. With a successful background of operation almost as old as the School itself, there is every reason to expect that as Delta Beta Chapter of Theta Tau your organization will continue to hold a high place on the Louisville campus.

The extension into the University of Louisville makes history for Theta Tau in two ways. It marks the first time we have entered a municipal University and also the first time we have entered a "Co-operative Plan" school. The municipally operated University is of course, not greatly different from the usual state University, but the co-operative idea is relatively new to most of us and the explanation of it, given on another page, will no doubt be of interest to most of our readers.

THAT DIRECTORY

We had hoped to have the new directory in the mail before the issue of *THE GEAR* went to press. However, *THE GEAR* deadline won the race and the directory had a breathing spell until *THE GEAR* got out of the shop. About 90 percent of the directory has been set in type, a task involving some 400 hours of linotype work.

Having seen previous prophesies in regard to the mailing of the directory go sadly wrong, we will abstain from another guess. We will, however, push it to completion just as fast as the linotype operator and an office full of clerical help can do it.

It is not planned to print a large number of copies in addition to the number of advance orders. Therefore, those who have not sent in an order should do so at once to guarantee receipt of a directory. All orders received in advance of publication will be filled at \$1.00 per copy. After publication the price will be \$1.50 and the possibility of delivery less certain. Young Theta Taus in particular will be interested in the listings which will enable them to locate brothers wherever they may make their residence.

The new directory, like its excellent predecessor edited by Grand Marshal

Curtis, will have four listings: a general alphabetical index, a listing by chapter and class giving the business and home address, a listing by chapters giving names in order of initiation numbers, and a geographical index listing all Theta Taus in any town.

Due to the splendid co-operation of Grand Scribe Schrader, Grand Regent Daniels and several of the Alumni Associations and active chapters, the new directory will contain over 5000 authentic addresses and many other of comparatively recent vintage.

Reach for your pen now and send in an order if you have not done so. The price represents only half the actual publication cost.

NO ALUMNI SECTION THIS TIME

This issue does not contain the usual alumni news section. In looking over the current stock of alumni news it was found to consist mainly of addresses sent to this office for use in the directory. Since we have thousands of new address it was impossible to arrive at any basis for including some or omitting others. To print large numbers of plain addresses would be duplicating the directory. In the interests of economy of both money and time, it was therefore decided to omit the alumni section this time.

Letters

Box 33
Climax, Colorado

Dear Brothers:

As you will note from your records, I am a member from Chi Chapter, which you will immediately recall is in sunny Arizona. As an epitaph to this last statement, I would like to add that I now feel as much at home as though I were marooned in one of the craters of the moon. Am working in the engineering department of the Climax Molybdenum Co., which company is perched at 12,000 feet, covered with snow some nine months out of twelve; and what thermometers I found brave enough to stay out in the open were shivering frigidly between zero and some 35 below—and I mean Fahrenheit. All of which is a far cry from the perpetual summers of Tucson, Arizona.

With which sad lament for warmer climes, I would like to close. Please let me know if there are any brothers in H & T in this vicinity.

Again—thanks and best wishes,

Yours in H & T,

STANLEY M. MOOS, Chi '37

Sorry that you are in the midst of such a sad state of affairs, Brother Moos. The new directory may locate some nearby brothers for you and present an opportunity to take down your hair among friends.

November 8, 1938
P. O. Mwanza
Tanganyika Territory
S. Africa

Since 1924 I have travelled over various parts of the African continent, making stays of varying duration. As time moves on, the itinerant geologist finds it more and more difficult to move freely outside his native land. As Europe becomes more entangled, more restrictions are placed on entering colonies. The questions which we are now required to answer imply a strong possibility of our having been born in jail or brothel. Answer "yes" or "no"; the forms provide no space for literary touch.

The article you require needs the ability of a political observer, not an engineer. I am not equal to the task of following the changes that occur in my various domiciles the moment my back is turned; my kaleidoscope is either too short or too narrow.

For the past two years I have concerned myself with the search for diamonds in Tanganyika. Many diamondiferous occurrences have been found, and occasionally a gem of rare beauty, but we have never succeeded in developing a payable proposition. And now this search is drawing to a close. Germany is clamouring for the return of her former colonies; and she speaks in a parable that the dullest wit in any language can understand. Business here has been brought to a standstill. Everyone is waiting nervously for the fate of

the territory to be decided. Will England fight to keep it? I doubt it. In any case, my wife and I are not waiting for the final round. We are leaving for London in the near future; and it's high time, for the climate here is anything but kindly.

As my future is very uncertain, and my reliability as a correspondent almost negligible, my future address, if it is ever desired, can be secured from Roy Grettum (Baker, Oregon), who is usually kept informed as to my whereabouts.

H. E. LATENDRESSE, Alpha '23

A most interesting letter. Now we do want an article from you, Brother LaTendresse.

Box 203
Booneville, Arkansas

Dear Brothers Mercer and Howe:

I just recently received my copy of the last GEAR. Certainly was glad to get it.

I am stationed here in Booneville, Arkansas, as the resident inspector for Van Trump Testing Laboratory, Little Rock, Ark. We handle all testing and concrete design and control on the new Arkansas Tuberculosis Sanatorium. This is a two million dollar project, (PWA) which will give Arkansas the finest Tuberculosis Sanatorium in the whole country. During my spare time I wander around over the job and give a lot of free advice—both requested and unrequested—but like most free advice, it is seldom accepted. Seriously, though, some of it is.

The work here is a long way from the Chemical Engineering that I studied for in the University of Arkansas, but it has earned "bacon and beans" for over four years.

I am glad to see by THE GEAR that the boys at Upsilon are waking up some and taking interest. For quite a while I did not see a chapter letter from them in THE GEAR. They had one last time.

Please do not change my mailing address: 2006 Scott St., Little Rock, Ark., as I do not know how long I will stay up here. I am the utility man for my company and am shifted around all the time. I handle all the lines of endeavor that the company has and do most of the jumping and filling in.

Yours in H & T,
B. J. LEON HIRSHORN, Upsilon '33

Thanks for your interesting letter, Brother Hirshorn. Next time we need some economical advice we will get in touch with you.

1646 20th St.
Cuyahoga Falls, Ohio

Dear Brothers:

I trust that you'll be able to read all the information I've tried to put on the front of the "little card". I can't imagine how I've missed out on two previous cards from you but there seems to have been a slip somewhere.

I'm enclosing a check for \$1.00, since I understand that my membership includes a lifetime subscription to THE GEAR. As I recall, the members who originally were initiated didn't get THE GEAR subscription. Would you mind correcting me if I'm wrong?

As far as the position is concerned, you can call it "technical sales" if you like. It certainly can't be classed as straight engineering. I work with Mechanical Rubber Goods articles such as Conveyor and Transmission Belting, all kinds of hose, packing and the like. Although I was never familiar to any great extent with these things during my college career, I've learned that there is a tremendous field for their development, application, and sale, thus affording another large field for engineers.

I shall be very interested to see the new directory and shall be especially interested to learn of the Theta Taus in export fields because of my connection with this phase of the work. I trust that this information will reach you in sufficient time to be used.

May I take this opportunity of recalling to mind the convention we had in Chicago in 1934 and express again the pleasure I had in meeting THE GEAR products?

Yours in H & T,
ARDEN R. HACKER, Sigma '35

Hello again, Brother Hacker! You are right in regard to THE GEAR. Those initiated since 1930 pay a higher initiation fee than those initiated prior to that time. In return they receive THE GEAR as long as they keep a good address in our files.

January 9, 1939

Dear Brothers:

Please send me a copy of the directory at my present address. As I do not at present have a checking account in the United States, kindly send the bill for the directory to my father in White Bear Lake, Minnesota, and he will send you the amount.

I am located at a small tungsten mine in central Argentina, having been here for some 10 months now. We are producing about 25 tons of WO₃ concentrate monthly, but expect to increase the production shortly on comple-

tion of new installations to mine and mill 150 tons a day. We have some interesting problems to contend with—particularly lack of water, and labor which is "willing but not able". Most of the men working here have never seen a mine other than this one and thus we must make our own miners, timbermen, hoistmen, etc.

Until two months ago I was working with Brother C. J. Artero, Epsilon '32, but he finished his contract and is at present in the

States, probably at his home. Since he left, I have taken his place as mine superintendent.

Yours in H & T,

R. D. ROBERTSON, Alpha '37

Your "willing but not able" raises a philosophical question as to whether it would be worse if they were "able but not willing." Then there's the one about the hen and the egg—

Letters to the Grand Scribe

I have not forgotten the M.S.M. or the fine bunch of fellows who are there.

This is my sixth month as acting mine foreman. That is quite a job in itself. There has been an unusual amount of sickness among the American bosses that has kept me short of men. In order to keep up with the work underground I have had to carry my reports home and work on these at night. I had eight nights off in December and January and have just finished, so I can take a breathing spell in February.

I am becoming a darn good mine boss. My growl sounds more convincing every day. I have a lion cub that I expect to train to climb ladders. He can then stick his head up a manway and growl and the men will think it is I.

There are more than a thousand natives on the mine payroll. I spend hours every day arguing over petty matters with them.

I am enjoying the work. Besides myself there are nine American bosses and thirty native bosses in the mining department.

How are Sherman, Pope, Lyden, and the others? I would even be willing to eat a dormitory dinner to spend an evening tossing the bull with the fellows. The wife is pretty grand and you know she must be to put up with me. We have horses and do some riding when the weather is good. Mostly it is bad now, as this is the rainy season when the rain pours both day and night. Give my regards to the gang.

PITCH DAVIDSON, Psi '37
Portovelo, Ecuador, S. A.

Your recent letter arrived in camp a few days ago by "runner" who also brought along THE GEAR. I duly rewarded him with an extra ration of "native cheese" for the duty performed. The arrival of THE GEAR confirmed my recollection that I had sent the Directory card to THE GEAR office last spring.

I want to say that I enjoyed this issue to the fullest and I am pleased to note that there

are a few brothers besides myself buried in the brush.

I have been here now just short of nine months all of which has been spent in the jungle proper, mostly on location work. We are building a pipe line and a road, rather a highway, from Petroleo on the Venezuelan border to Caramines, a seaport just west of Baranquilla. The distance is some 250 miles. It is a large project and a difficult one. At present I am camped on the Rio Larra at the intersection with the Rio Oru and I am putting the finishing touches on the pipe line location. Will return along the line afterwards on the construction job. All in all I enjoy my work and like the country fine. Give my regards to the brothers in H & T.

EDWARD B. TRUEWORTHY, JR., Psi '32
South American Gulf Oil Co.
Apartado Aero 468
Baranquilla, Colombia, S. A.

It was nice to hear of the Brothers you mentioned in your letter, and in view of the fact that I will be returning to the States for holidays at the latter part of May, I will have an opportunity of renewing old friendships. As my home is in Northern Michigan I will be paying the old school and Beta Chapter a visit or two.

While in the States it is my intention to visit several of the mines in Canada, also in the Cripple Creek district of Colorado, as I understand our ore deposits are similar to those in the last mentioned district. Should I happen to pass through Reno in the course of my travels I shall look forward to seeing you.

I lived at Mt. Isa for five years during which time I became well acquainted with Jacobsen (Lambda '24), and Harold Munn (Gamma '17) was my successor at Mt. Isa. I did not have the pleasure of meeting him as he arrived four or five months after my departure.

The South Sea Islands are usually considered

ideal for a langourous holiday but I am afraid that it is not so with our extensive undertaking. Seldom has nature deposited its resources in such picturesque surroundings. The climate is excellent and the usual tropical fevers and diseases are practically unknown in this Colony. I will be in the States for about three months between May and August this year and do hope that I will meet you when I shall be able to give you a fuller description of the land we live in. I thank you for your good wishes which I sincerely reciprocate. Kindly remember me to our mutual Brothers.

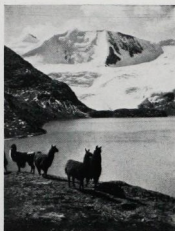
NILS E. NILSEN, Beta '24
Emperor Gold Mng Co., Ltd.
Vatukoula, Tavua, Fiji Islands

Oruro, Bolivia, S. A.

My Dear Erich:

One of our high spots. Best wishes for the New Year.

W. VAL DECAMP



Additions to Membership

BETA

- 446 Harry L. Crawford, Jr., Highland Park, Mich.
447 Robert Q. Gribble, Ironwood, Mich.
448 Roy B. Lanham, Jr., Bay City, Mich.
449 Wesley O. Moberg, Crystal Falls, Mich.

GAMMA

- 515 Everett M. Paris, Greenville, N. H.
516 Herbert L. Young, Rockville Center, N. Y.
517 Simon F. Pearey, New York City
518 Herbert D. Thornton, Summitville, Colo.
519 Louis J. Brewer, Russellville, Ky.
520 John W. Liddle, Winnipeg, Canada
521 Elmer R. Pedersen, Fresno, Calif.

ZETA

- 397 George Bunn, Bartlesville, Okla.
398 Sam E. Forsyth, Medicine Lodge, Kans.
399 Lyman D. Ketchum, Kansas City, Kans.
400 Dean Lemon, Lawrence, Kans.
401 Robert G. Paulette, Topeka, Kans.
402 Vincent C. Rethman, Seneca, Kans.
403 Kenneth E. Rosebush, Iola, Kans.
404 Carl Rollert, Kansas City, Mo.
405 J. B. Waid, Cherryvale, Kans.
406 David W. Oberlin, Atchison, Kans.
407 Alexander C. Mitchell, Lawrence, Kans.
408 Dwight D. Kurth, Hutchinson, Kans.
409 Harry W. Adams, Topeka, Kans.
410 Donald L. Funkhouser, Plattsburg, Mo.

THETA

- 254 Weldon S. Booth, W. Hempstead, N. Y.
255 Curtis R. Weyers, Edgemere, L. I., N. Y.
256 Carlos A. Bejarano, Lynbrook, N. Y.
257 Ralph B. Galvin, New York City
258 Arthur F. Myers, Bayside, L. I., N. Y.
259 Vincent F. McLarny, Jr., Hempstead, N. Y.
260 Walter W. Hladky, Westbury, L. I., N. Y.
261 John A. Post, Jr., Inwood, L. I., N. Y.
262 Roscoe Guernsey, Jr., Leonia, N. J.
263 Francis J. Ross, New York City
264 Luis F. Moreno, Jr., San Salvador, El Salvador, South America
265 Robert W. Greer, Garden City, N. Y.
266 Donald W. White, Jr., Rome, N. Y.
267
268 William A. Hadley, Tarrytown, N. Y.
269 Roman Stetkewicz, New York City
270 Messoud Kiachif, Flushing, L. I., N. Y.
271 Robert J. Arnold, Findlay, Ohio
272 Robert L. Taylor, New York City
273 Walter F. W. Maack, Staten Island, N. Y.
274 Thomas B. Richey, Brooklyn, N. Y.

IOTA

- 372 Harvey C. Stevens, Sedalia, Mo.
373 Nathan Jaffe, St. Louis, Mo.
374 Arthur W. Brune, St. Louis, Mo.
375 Armin J. Tucker, Rolla, Mo.
376 William C. Dickmann, Sedalia, Mo.

- 377 Vernon W. Rieke, Owensville, Mo.
 378 Donald L. Trisch, Decatur, Ill.
 379 Kenneth L. Hardine, Galesburg, Ill.
 380 William Smothers, Poplar Bluff, Mo.
 381 William D. Lies, Chicago, Ill.
 382 Herbert D. Sturges, Shelbyville, Mo.
 383 Marvin Pingel, Arlington Heights, Ill.
 384 Ernest L. Perry, Rolla, Mo.
 385 John M. McAneney, Sedalia, Mo.
 386 Robert K. Boyd, St. Louis, Mo.
 387 Frank K. Kyle, Carthage, Mo.
 388 Norman P. Tucker, Rolla, Mo.
 389 Joseph E. Rakaskas, Paterson, N. J.
 390 Henry C. Beckman, Rolla, Mo.
 391 Aaren J. Miles, Rolla, Mo.

MU

- 245 Francis Charles, Aliquippa, Pa.
 246 Kazimierz R. Czarnecki, New Bedford, Mass.
 247 Ralph Hale, Leeds, Ala.
 248 Richard Hoener, Mineola, N. Y.
 249 George Holmes, Atmore, Ala.
 250 J. Russell Johnson, Philadelphia, Pa.
 251 William Lucas, Perth Amboy, N. J.
 252 Robert E. Morris, Elkins, W. Va.
 253 Francis X. O'Leary, Hartford, Conn.
 254 Peter G. Prater, Tuscaloosa, Ala.
 255 Arthur Reid, Langdale, Ala.
 256 Steven W. Turrell, E. Chatham, N. Y.
 257 Thomas G. Walsh, Dunmore, Pa.

NU

- 314 Robert M. Wolff, Crafton, Pa.
 315 James L. Cullen, Pittsburgh, Pa.
 316 Robert Flaherty, Pittsburgh, Pa.
 317 Arthur H. Grobe, Butler, Pa.
 318 William D. Jamison, Jr., Pittsburgh, Pa.
 319 David Kindler, Pittsburgh, Pa.
 320 Millard L. Levy, Pittsburgh, Pa.
 321 Joseph H. Lieblich, Pittsburgh, Pa.
 322 Thomas I. McClintock, Pittsburgh, Pa.
 323 William B. Skelton, Meadville, Pa.
 324 Carl W. Weil, Pittsburgh, Pa.

OMICRON

- 235 Edward W. Burman, Waverly, Iowa
 236 Henry Hardaway, Shepardsville, Ky.
 237 John P. May, Cedar Rapids, Iowa
- PI
- 220 Ernest B. Livesay, Clifton Forge, Va.
 221 Arthur W. Benham, Jr., Reading, Pa.
 222 Robert D. Stulting, Charlottesville, Va.
 223 Leslie L. Thacker, Charlottesville, Va.
 224 Henry C. Barnett, Waynesboro, Va.
 225 Francis A. Dunnington, Hampden-Sydney, Va.
 226 Aubrey B. Wilson, Jr., Charlottesville, Va.
 227 Eugene C. Caldwell, Grosse Pointe, Mich.
 228 John H. Carruth, Jr., Norfolk, Va.
 229 Eugene M. Childs, Rive P. O. Md.
 230 Thomas A. Robinson, Washington, D. C.

TAU

- 202 Frank J. Roehm, Buffalo, N. Y.
 203 F. Lester Wilbur, Syracuse, N. Y.
 204 Sears W. Merrick, Painted Post, N. Y.
 205 Raymond C. Durgan, Lake Clear Junction, N. Y.
 206 Donald S. Backus, Auburn, N. Y.
 207 Charles A. Rogers, Seneca Falls, N. Y.
 208 John R. McShane, Springfield Center, N. Y.
 209 Kendall E. Doman, E. Norwalk, Conn.
 210 Paul J. Harold, Rochester, N. Y.

UPSILON

- 133 Gilbert P. Gamill, El Dorado, Ark.
 134 James R. Dodson, Texarkana, Ark.
 135 Landon R. Brown, Fort Smith, Ark.
 136 Murray J. Thorne, Muskogee, Okla.

CHI

- 160 A. Joseph Yaeger, Tucson, Ariz.
 161 Charles H. Chase, Tucson, Ariz.
 162 John P. Cody, Morenci, Ariz.
 163 F. Raymond King, Tucson, Ariz.
 164 Victor D. Stevens, Chandler, Ariz.
 165 Jack C. Andreas, Lowell, Ariz.
 166 Albert A. Find, Tucson, Ariz.
 167 George D. Warr, Park Ridge, Ill.
 168 John E. McKay, Prescott, Ariz.

Dear Uncles:

I have just completed one of the most interesting jobs of my career. 8¾ pound boy. Ground was first broken in June, '37, but due to economic conditions and other adverse phenomena actual construction did not begin until about a year later. Work then progressed according to schedule until completion, and we maintained an admirable safety record thro-out. The finished work was unveiled March 10, with appropriate ceremonies and has since been viewed by thousands who have voiced their unanimous approval. All have commended the excellence of the Architect's design, which is the embodiment of strength, grace, and beauty, and all have attested to the faithfulness with which the builders have executed their contract, as is evidenced by the perfection of every detail. In short it is a masterpiece of modern engineering genius, and I am proud to proclaim my connection with it.

Chestily yours in H & T, L. L. SPAR, Nu

Letters from the Chapters

Alpha Host to Regional Conference



Alpha Chapter began the winter quarter with the initiation of Sy Johnson, Ed Tyler, and Ted Bergquist.

Our athletics have prospered this quarter. We participated in basketball, squash, badminton, table tennis, and hockey. The hockey team with "Shut-out" Lischeid was winner in its division. Frank St. Vincent was again the first line center on the varsity hockey team, also he was chosen for the Olympic trials to be held in New York next fall. Walt Lischeid is a member of the varsity rifle team. Dick Storberg is trying out for baseball, and pledge Jim Rose is a freshman track aspirant.

Our social life was occupied by the Inter-professional Fraternity Ball, the Junior Ball, the Miners' Shindig, and the Tri-Tech Formal.

The house was the scene of much activity with the Y. M. C. A. Finance Drive, the Stu-

dent Symphony Drive, and the Coffman Memorial Union Campaign. Feeling ran high concerning the new Union and the proposed Mechanical Engineering Building.

Momentarily occupying niches in our hall of fame are: Brother D. R. Johnson for his letter-a-day Florida Correspondence; Brother Vern "List Price" Peterson, for his shrewd efforts to secure rugs; and Brother Cliff Ohman, our hard perennial. Brothers Larson and Troxell remain the delight of the *Tech-nolog* readers even though they have competition from a rival column.

The new officers are: Regent, Paul Cummings; Treasurer, Ed Tyler; Vice-Regent, Walter Lischeid; Scribe, Burton Boyum; Corresponding Secretary, Richard Coulston.

Alpha Chapter is looking forward to the Regional Conference to be held at the house on April 7th and 8th. Response from neighboring chapters is very encouraging.

BURTON BOYUM, Scribe

March 31, 1939

Beta Men Get Attached to the House



As another school year enters its final stages Beta Chapter is happy to report a very successful year. The debt assumed last summer to repair the house is rapidly being paid off and we expect to be entirely free from financial obligations by June.

To assure a good start next year Beta obtained permission to increase our membership quota since 21 members are graduating this spring. At the present time we have 43 active members and 14 pledges. Since the fall letter to THE GEAR we have initiated Harry Crawford, Robert Gribble, Roy Lanham, Wesley Moberg, Russell Gribble, and Robert Van Evera. The Pledges are: John Green, Bob Steveling, John Magoffin, Bill Wivell, Ted Witcome, Bob Weed, Joe Trotter, Loren Howard, Len Harris, Larry Farnum, Larry Barrett, Brian O'Neill, Clair Donovan, and Fritz Van Stratum.

As is customary Beta elected its new treasurer to take over the books in March under

the guidance of the retiring treasurer. Brother David Andrew was elected to succeed Brother Moberg who is to be complimented on his splendid work.

The fall pledging activities of the honor fraternities on the campus added the names of many Beta members to their rolls. Brother (The Head) Andrew was the star of the performance being elected to four fraternities, Tau Beta Pi, Blue Key, Tau Nu Tau, and Chi Epsilon Chi. Other members honored were: Brothers Kievit and Paul Martin, Tau Nu Tau and Blue Key; Campbell, Blue Key and Tau Beta Pi; Hupfer, Olson, and Polderman, Tau Beta Pi; Van Effen, Tau Nu Tau; Reinsch, Alpha Sigma Mu; and William Martin, Eta Kappa Nu. Brother William Martin was made Cadet Lieutenant-Colonel the highest post in the Tech R. O. T. C. unit.

Brother Bergman came down with scarlet fever shortly after Thanksgiving to bring the total of semi-annual quarantines to three. Brothers Bjork and Rowse have survived all three. These last two names have been connected often during the last five years. Recently Brothers "Down Wind" Bjork and

"Smiling Jack" Rowse announced that they hope to enter the Army Air Corps following graduation this spring.

Beta had a few unexpected set-backs in intramural sports this year—at the present time we are second in the standings; however, Brother Jerow is confident (perhaps overconfident) that we can still come out on top.

Varsity sports also claimed the services of some of our men. Brothers Jerow and Crawford led the basketball team through a successful season, and Brother Hascall held down a wing position on the hockey team.

The skiing activities of Brother Turner were a bright spot in a rather dreary winter. He brought glory to the house during the Winter Carnival ski tournament, and later he and Brother Bjork helped the Tech Ski Club sweep the Cadillac tournament. Incidentally, Brother Turner has recently returned to school after spending four of the last six weeks bouncing about the country.

At the present time many members are waiting for the snow to melt and making plans for the future. Brother Watson is rounding up a delegation to attend the Regional Convention at Alpha Chapter. Most

of the seniors are desperately looking for jobs. The lucky exceptions are Brothers Carson, who has already landed one, and Olson, who is planning to enter the University of Michigan Law School. Probably the hardest worked man of all is Brother Rowse. His mornings are completely taken up sleeping and he spends the afternoons planning his activities for the night.

In keeping with the house improvement program Beta Chapter is planning to redecorate the first floor during the summer. Brothers Bennett and Jerow became so enthused about the whole thing that they decided to take five years getting through school so they can live in the house another year. Brother Bergman, although only a sophomore, is making similar plans, but is having trouble deciding whether to make it five or six.

In closing the members of Beta Chapter extend their best wishes to the other members of Theta Tau, and hope to see many of you at the Convention.

BOB POLDERMAN,
Corresponding Secretary

March 15, 1939

Gamma Strong in Athletics

GOLDEN
COLORADO

During the fall semester Gamma Chapter increased its roll with the initiation of nine new members, two members of the faculty as honoraries, and seven students.

They are: Everett Paris, Louis J. Brewer, Simon F. Peavey, Elmer R. Pederson, John W. Liddle, Herbert L. Young, Herbert D. Thornton, and Professor Thomas A. Kelly and Arthur P. Wichmann as honoraries.

Military assignments for this year included seven from Gamma Chapter. Brother Detmar is Battalion Commanding Officer; Brother McDonald is Commanding Officer of Company B; Brother Fillo is Supply Sergeant for Company B; Brother Herres is First Platoon Leader of Company C; Brother Paris is First Sergeant Company C; Brother Yeager is Second Platoon Sergeant of Company C; and Brother Warren is Second Platoon Sergeant of Company D.

At the Western Regional Conference held in Salt Lake City, Gamma had the largest delegation present from outside chapters. The delegates were: Brothers Mills, Blair, Herres, Salsbury, and Professor Signer. All of the delegates expressed the opinion they received a great deal of valuable information from this gathering.

In the field of athletics many are active and have received honors. For the honor touchball team Brothers Salsbury, Mills, Finlay, and Dowlin were selected. In football Brothers Anderson, McDonald and Crowley played their last game this season. Brothers McDonald and Flynn received all conference berths at tailback and end, respectively. In basketball Brothers Pederson, McDonald, Salsbury, and Flynn were on the top list. Brother McDonald was also chosen on the all conference team in basketball and was second in

Have You Ever Seen A Ghost Walking?



scoring for the season. Both football and basketball teams will notice the loss of Brother McDonald.

The following brothers are members of honorary fraternities on the campus:

Tau Beta Pi—Gilson, Detmar, and Thornton
Blue Key—DeLong, Herres, Madebach, Paris, Mills, and Pederson

Scabbard and Blade—McDonald, Madebach, Warren, Yeager, Detmar, and Herres

Press Club—Anderson, Thornton, and Warren

Board of Publications—Anderson, Thornton, and Warren

M Club—Anderson, Crowley, Dye, McDonald, Redman, Salisbury, Flynn, Yeager, Pederson, Liddle, Thornton, Mills, Schwartz, Herres, Finlay, and Patty

Brother Thomas Baker married Miss Mildred Hahn of Denver, on January 22, 1939, in Golden. They are living in the Stearns Apartments in Golden until Brother Baker receives his diploma in June.

Brother Yeager returned to school this semester after a year's leave. During his absence he was employed in Silver Peak, Nevada, as a student engineer.

The annual Engineers' Day on March 10, 1939, had Brothers DeLong, Mills, and Detmar on its committee. On this day exhibits were displayed by the various engineering de-

partments together with technical papers on research in the past year.

The annual All-School Show, "Hard Rock Hilarities", has Brothers DeLong, Madebach, Mills and Warren on its committee. Talent for this show comes from the student body with the support of the Glee Club and Band to furnish the music.

Brothers Anderson, Thornton, and Warren attended the Press Convention held in Salt Lake City, February 22 to 26. When they returned they reported they learned quite a bit, but it was not all along the newspaper line.

At the last meeting eight pledges were voted in and initiation was held March 18. At this time, the initiation was followed by a dinner and dance.

The present officers are: Jimmie Mills, Regent; Charles DeLong, Vice-Regent; Donald Dowlin, Scribe; C. Mac Dye, Treasurer; George Gilson, Marshal; Charles Redmon, Inner Guard; Schuyler Herres, Outer Guard; and A. W. Warren, Corresponding Secretary.

We have 31 members and 9 pledges at the present time. At the next regular meeting of Gamma Chapter next year's officers will be elected.

A. W. WARREN, Corresponding Secretary
March 10, 1939

Epsilon Regent Head Man in Two Organizations



Epsilon of Theta Tau started the spring semester with 33 actives and 9 pledges and under the leadership of a fine Executive Committee looks forward to an enjoyable year. Our Regent, Brother E. A. McClure, aside

from having had experience in the professional world and being an outstanding man in the College of Mining, is possibly the only married Regent of all the chapters. How about that, Alpha to Gamma Beta? Ably assisting Regent McClure are: Ted Olsen, Vice-Regent; Charles Hunkins, Scribe; Lorenz Waldhausen, Jr., Treasurer; George Jung, Corresponding Secretary.

One of the recent outstanding achievements of Epsilon has been the inauguration of an award to be given to the senior man of the College of Mining by the chapter. We are cognizant of the fact that possibly a select few students are the recipients of fine grades, resulting from work well done, and are so honored by membership in honor societies and scholarships. The objective of the award is

to select, by vote of a committee in charge, a man outstanding not only in scholarship but primarily character and campus activity. The award will be in the form of a ring to the selected man and the engraving of his name on a plaque which will be a permanent trophy to be on exhibit in the Mining Building.

The activities of the chapter as a whole have included an open house for rushing, a dinner meeting and several business meetings. During the course of our meetings we usually take time out for refreshments—thanks to the endeavor of Brother Sirbu and to the philanthropy of Brother Waldhausen. After meetings, Brothers Byerts, Wheeler, and Hunkins take over extra-curricular activities and know what's doing and where to go.

The chapter will lose approximately 20 men by graduation and rather than take in too many new men at once, we have only 9 pledges. By the time this news letter reaches you, the pledges will have been initiated and perhaps this is a means of conveying the congratulations of Theta Tau to them.

Our members have been energetic in many extra-curricular activities including athletics, honor societies, drama and politics. Regent

McClure was instrumental in the fine showing of California's water polo team, having returned to the sport after two years' lay-off. While on the sea side of things, we mention our crew man, Chet Gibson, No. 7 in the first boat, and looking forward to those '40 Olympics. Charles Hunkins, our stalwart Petroleum Engineer, is out scrummin' with the championship-bound rugby team on Saturday afternoons and still keeping his Tau Beta Pi average during the week. Men active in Sigma Xi include John Adkins, Carlton Condit, Richard Mielenz, Al Repecka, Ivan Wilson, and James Wilson.

Our politician, Marvin Sirbu is now chairman of the Engineers' Council and is active on the Student Welfare Council. Vard Stockton, All-American guard on California's Rose Bowl Varsity of 1937, is now president of the Mining Association and we're sorry to say he'll be graduating in May. Brothers Bob Ravenscroft and Roy Turner are of Tau Beta Pi fame, Bob having attained the highest scholarship record in the Mining College at the present time. Nice work, Bob. Brother Grant Metzgar is now secretary of the Mining Association and one of the staunch supporters of the Mining College athletic teams.

Brother Ted Olsen, our Vice-Regent, took one of those unavoidable "headers" while skiing at Norden last week and sustained an injured leg. Ted was one of our representatives to last year's regional conference held at Lambda Chapter and has told of his enjoyable experiences with the fellows of the other chapters.

Because Epsilon is adjacent to San Francisco's World's Fair, we might take this opportunity to invite visiting Theta Taus to our campus should they be so fortunate as to make the trip to the Golden Gate. We of



Upper: Wheeler, Mielenz, Harding, Regent McClure, Byerts, Knowles, Stockton, Gumpertz, J. Wilson, Hunkins, Barnett, Jung, Metzgar, I. Wilson, Adkins, Repecka

Lower: Brothers McClure, Stockton, and Knowles admire Wheeler as Hunkins takes care of the background.

Epsilon are proud of our achievements thus far and sincerely wish the best of luck to all other chapters of Theta Tau.

GEORGE JUNG

March 10, 1939

Theta Has a "Robert Taylor" Problem



The steadfast "nine old men" of Theta Chapter have been augmented by a group of "21 new men" since the last chapter report. We now find ourselves with thirty active members, seven pledges, and a profusion of Robert Taylors. The latter are classified as No. 1, an active brother; and No. 2, a pledge.

The present officers are the same who held office last fall, and are as follows: Victor Franceschini, Regent; Joe Walter, Vice-Regent; Henry Ozimek, Treasurer; Philip Baas, Scribe; and Charles Prusich, Corresponding Secretary.

Practically everybody here is engaged in

some form of extra-curricular occupation. Starting with the Student Council of the Engineering School, we note that eleven of its seventeen members are Theta Taus. These are: Brothers Messoud Kiachef, who is the President; Paul Checkovich, who is the secretary; Joseph Walter, who is the Treasurer; Tom Richey, Aubrey Clay, Don White, Vince McLarny, Robert Taylor (No. 1), Bob Arnold, Frank Kromka, Vic Franceschini and Pledge Cloyd Snively.

We are represented in school athletics by Robert Taylor (No. 2), Bob Booth, Carl Bejarano, and Cloyd Snively. Bob Taylor was the blocking back on last fall's varsity football team, and is at present captain of the wrestling team for the second successive season. He was recently awarded a prize for



Franceschini, Clay, Walter

being that member of the varsity football team having the highest scholarship record. He wrestles in the 175 lb. class, and has not been defeated this season. Bob Booth is another member of the wrestling team, and he holds down the 155 lb. position. Carl Bejarano represents us on the basketball team, and Cloyd Snively was varsity tackle on the football team this past season.

In the non-athletic field, we have several brothers in various honor societies, and a number of them are on the staff of the Engineering School Yearbook, "The Columbia Engineer". At present four Theta Taus are members of Tau Beta Pi. These are Brother Joseph Walter, President; Brothers Guernsey, Preusch, and Taylor (No. 1). In Epsilon Chi, the electro-chemical society, are Brothers Richey, Clay, Franceschini, and Walter. Brothers Richey, Post and Ozimek are members of Phi Lambda Epsilon, and in Sigma Xi are Brothers Kiachef and Walter. Turning now to a different sort of society, Brothers Franceschini, Ozimek, Kiachef and Euvard are honorable members of the Dumbbells' Society. Included in the twelve "Dumbbells-to-be" are Brothers Frank Ross, William Hadley, Walter Maack, Louis Moreno, Roscoe Guernsey, Robert Taylor (No. 1) (are not these two also in Tau Beta Pi?), Philio Baas, and Pledges Louis Lyon and A. Emil Thomas. Those Brothers who are on the yearbook staff are Walter Hladkey, Tom Richey, Charley Preusch, and Philip Baas.

A large number of us are engaged in another type of extra-curricular activity—employment. Heading this list are Pledge A. Emil Thomas who finds time to be a fireman on the Long Island Railroad, and Brother Arthur Myers who waits on tables, tutors, and makes knitting machines for one of our professors.

Our chapter has been quite active in intra-mural athletic competition. The basketball team, led by Captain Ozimek, and aided by 'water-boy' Moreno, had a fairly successful campaign. The final standings have not yet been determined, but Theta Tau is close to the top. The star of the outfit is Brother Bill Busch, whose home chapter is Iota. In addition to the above three, Brothers Curt Wyers, Robert Greer, Al Post, Roscoe Guernsey (he's an athlete, also!), Bob Booth, Carl Bejarano, and Frank Ross, were outstanding participants. Plans are now being made for the baseball season, which promises to be very interesting. Meanwhile the M. E.'s continue their vigorous slide rule pushing and diligent typewriter pounding, both of which are really fine exercise.

Social activity, as usual, has played a fairly large part in our chapter life. Soon after the initiation last fall the annual initiation banquet was held downtown. It was a typical Theta Tau banquet, in which the foam flowed freely. Brothers Harrington (formerly of the faculty), Hinckley, and Dutcher of the present faculty were present, and they did not totally ignore the beer. Not very long after the banquet a number of the active brothers were seen speeling it out for dear old "Alberquerque" in the middle of Times Square! Passers-by were amused at those "out-of-town boys" enjoying themselves so thoroughly in the big city! (Nine-tenths of us were born and bred in this city).

An initiation dance was held the night of the initiation. Brothers Ames of the Executive Council, and Brothers Quarles and Chalkley of Pi attended both the initiation and the dance. A Christmas Dance was held in December, and a spring dance took place on March 10. All were thoroughly enjoyable affairs. Dean Barker, Brother Harrington, and Brother Hinckley were guests at the last dance.

Now for a few lines regarding the future. Our next initiation will be held on March 31 and all are invited to attend. The initiates will be Felix Esilonis, William Brackman, Louis Lyon, A. Emil Thomas, Cloyd Snively, and Robert Taylor (No. 2).

Another banquet will be held following the initiation, and we will surely have at least one more dance. Plans for the baseball team have been discussed, which concludes our proposed spring activities.

It is quite possible that Brother Bill Hadley will join, next June, the Married Men's Mob, among whose present members are Brothers Franceschini and Arnold, and whose past members are not few.

In closing, Theta Chapter extends good wishes to all of the brothers for continued success in their work.

PHILIP R. B. BAAS, Scribe

March 15, 1939

Iota Getting House Minded



The evening of November 11, 1938, was the high spot in the social life of Iota Chapter at the Missouri School of Mines for the first part of the school year, at which time the pledges were initiated into Theta

Tau with the traditional impressive ceremony. Following that the initiation dance was held with each and every member fully enjoying himself. The chapter had the honor of having the new director of the school, Dr. Chedsey, formerly of Penn State, Mrs. Chedsey, and Prof. and Mrs. S. H. Lloyd as chaperones at the dance.

Prior to the initiation Iota had no large Theta Tau badge which could be placed in a prominent position at appropriate occasions, such as banquets, dances, and initiations. The pledges were therefore delegated to make such a replica which was also used at the initiation and, incidentally, added much to the ceremony. Naturally the new members were rather proud of their work.

On December 16 two men were made honorary members of Iota. They are Mr. H. C. Beckman of the United States Geological Survey located on the campus, and Dr. A. J. Miles, Asst. Prof. of Mechanical Engineering in the School of Mines. After the initiation a banquet was given for the two new honorary members, both of them being called on for short talks which contained in substance the fact that they were very pleased to have been inducted into Theta Tau. A rightful glow of pride coursed through each active when Mr. Beckman said that the initiation ceremony was far different from what he had expected in that no horseplay, inherent in some other fraternities, was present. During the speeches various quips were made at the expense of certain seniors and received by the feasters in an uproarious fashion. Mr. J. K. Walsh, a prominent Missouri School of Mines alumnus, was the guest speaker. The duties of Master of ceremonies were handled very well by Prof. S. H. Lloyd, a faculty member.

Iota was the fraternity on this campus with the highest average grade for the first semester, making it the second consecutive time that has happened. The Seniors was the only non-fraternal group with a higher average but the difference is so small that we do not feel very bad about being outranked by only one organization. A number of the members have been initiated and pledged to Tau Beta Pi. A. L. Tetley has been an active in that fraternity and E. L. Olcott, V. W. Rieke, and

W. J. Smothers will be initiated during the present half of the school year.

The chapter has just finished a lengthy report of the physical conditions of the school buildings and departments. Each active was given one or more departments or buildings to investigate using a standard for all. This information was carefully consolidated into one large report, printed copies of which have been given to certain persons and organizations which might be instrumental in bettering those departments and buildings in need of improvements. Much time was spent by each member in completing the report and everyone hopes that our efforts will not have been in vain. A group of people, alumni and parents of students, in St. Louis, stated that the report would be of great aid in their endeavors to help the school.

At present Bill Oberbeck as Regent ably handles the gavel, (usually ex-treasurer Wade Waters' super long-stemmed pipe); "Dusty" Rhodes serves as Vice-Regent. John Post with his ever-present mustache and cigar carries out his duties as Marshal to the satisfaction of every active. Albert Tetley acts as Outer Guard and Clarence Bauman as Inner Guard. The Treasurer's worries have been willingly transferred by Waters to Bill Smothers as a result of an election in February. Art Brune relieved Gene Olcott of his duties as Corresponding Secretary at the same time.

Iota now has thirty-three actives. The chapter was sorry to lose George Machens who graduated in January, but all of us wish him the best of luck at his position with the Pure Oil Co. in the Centralia, Illinois, oilfield. Big George with his hearty laugh and ready wit was well liked by all the members. Clarence Bauman, Ray Dallmeyer, "Junie" Hoffman, "Captain" Kidd, Lawrence Lambelet, Bob Livingston, Bob Mann, Bill Oberbeck, John Post, "Dusty" Rhodes, Irvin Shanfeld, Al Tetley and Wade Waters will be graduated in June of this year. The chapter is not very glad to lose these swell guys but the time has come for them to seek their places in industry and we wish them lots of luck on their way.

However, the chapter will be bolstered by the addition of about ten men who will be pledged in April and we feel certain that they will be well qualified to become members of Theta Tau. The rushing plan used in securing the last group of initiates produced such good results that it will probably be employed again. This consists of the smoker and doughnut session coupled with later private conversations of each pledge with every active.

In early March it was decided that at the following meetings each active is to give a

short talk about anything on which he feels qualified to speak. No limitations have been set as to the scope of these rather impromptu speeches so they will probably run the gamut from the very technical to the fine arts extreme. As Regent Oberbeck opined, such talks will give each active excellent experience in speaking before a group of people, which faculty should be developed by all engineers since they will invariably use it in industry at one time or another.

Iota probably will not own a chapter house for some time to come, but a step in that direction will have been made before the present semester is finished. About ten of the actives who will be returning in September

will rent all the rooms in a house with the proviso that the chapter be allowed to hold its meetings in the parlor of the house. Beyond a doubt a better fraternal spirit will be fostered if the members live in a house they can figuratively call their own and have a chance to become more intimately acquainted. That will be just a small start, but we will not rest until a house is secured that really can be called our own.

The social activities of the school year will probably end with a dance for the new members to be held on April 15, although a banquet might be held at a later date.

ART BRUNE, Corresponding Secretary
March 13, 1939

Lambda Squeezes In



This letter may be too late to make the deadline for the Spring issue of THE GEAR, but I failed to receive your letter advising me of the deadline date until it was too late for me to adequately advise you of

our chapter news. However, I will now write and tell you what I can.

Brothers Donald Worden and Graham McQuarrie have been initiated into the local chapter of Tau Beta Pi.

Other news of the local chapter is rather scarce, but there are big doings afoot in the engineering school. The officers of the engineering school, mostly members of Theta Tau, are planning a reorganization of the Engi-

neering Association. Also, Engineers' Week is coming up in a couple of weeks and all engineers are trying to make this one the biggest yet.

FRANK WALL

March 19, 1939

Dear Editor:

A year ago Lambda Chapter of Theta Tau came to the realization that the fund which the chapter had been accumulating for some time could not be placed to a better use than purchasing books for a Theta Tau Collection in the Engineering Library of the University of Utah.

One of my duties which comes about periodically is to suggest to the Library new titles, and I have spent some time recently on this and have had occasion to examine in



Delegates to last fall's Regional Meeting

some detail the advances made by the Library during the last year.

This prompts me to write this letter telling you what an outstanding contribution Lambda Chapter has made to Engineering development in our region by their decision to purchase books and set up this collection. It has gone a long way in permitting the Engineering Library, which serves both the Engineering College and many of the Engineering profession and industries in the region with technical information, to expand and balance its list of subjects in a very important and beneficial way.

The books that are purchased are generally recommended through the librarian to the chapter, whereupon they are considered and approved at a chapter meeting by the mem-

bers. After purchase, they are deposited in a special collection separately housed but available for the use of all. The books are suitably marked and especially well cared for. Chapter members are given some preferential rights in their use.

The action of the chapter in financing the purchase of the books has made the selection of suitable books for the Engineering Library much more flexible than before, the judgment of the chapter members on the books has been very helpful in expressing a student reaction, and the money has been a big help in extending otherwise limited resources.

THOMAS C. ADAMS
Dept. of Civil Engineering
University of Utah
Salt Lake City, Utah

Nu Dreads Vernal Equinox

PITTSBURGH
PA.

At the completion of our 17th year in Theta Tau we find that our strength on the campus is increasing rapidly. This last year has seen the addition of two unusually fine pledge classes whose vigor and enthusiasm has helped shake us from lethargic habits of the past. The key to this awakening can be found in the fact that our members have an ever enlarging sphere of interests and activities. This spirit of campus consciousness has pervaded our fraternity as never before. A direct result is the Interhonorary Spring Dance which has been backed by almost all of the professional fraternities at Tech and which was suggested and organized by Theta Tau. Our social committee has been on its collective toes preparing for this event, to be given April 1st. Other social activities are being planned for the spring and summer.

As for scholastic attainment—our members have not neglected the pursuits of knowledge for the joys of sociability, but rather have found a happy blend of these two essentials for a well rounded college life. As a result the academic accrual has been great. We are hoping that that dread malady which begins to be rampant at the time of the vernal equinox will not strike our members too hard.

In journalistic fields we are adequately represented. The chairman of our publicity committee is a junior editor on the school newspaper, the *Tartan*; and also is editor of the *Dorm Bugle*, the dormitory publication. Our Scribe is the business manager of the *Technical*, the school scientific sheet.

Other members of Theta Tau are on the staffs of these publications.

The more prominent campus organizations in which our members are active include Tau Beta Pi, Eta Kappa Nu, Scabbard and Blade, Citcom Clan, Technon Club, Newman Club, Delta Skull, Scotch and Soda Club, Metals Club, Radio Club. About a third of our membership is affiliated with social fraternities.

We also find representation in varsity athletics. Soccer, swimming, cross country, track, being the principal sports. Our intramural program plans for entering the mush-ball league in the spring. Interfraternity sports are also flourishing with a ping-pong tournament in progress and handball and tennis competitions being planned.

The officers who have been elected for the coming year are: C. D. Henderson, Regent; J. Haeger, Vice-Regent; A. Snowden, Scribe; P. W. Ramsey, Corresponding Secretary.

The regional conference held at Pi Chapter last fall was well attended by Nu. Among our delegates was Grand Regent Daniels. The friendships made and renewed at this get-together and the interchange of ideas effected there were of great benefit to our delegates, who passed their experiences along to those of us who were unable to attend in person.

The members of Nu Chapter hope that in the year that lies ahead all of us may learn more of the true significance of Theta Tau, and that our brotherhood may prosper.

PAUL W. RAMSEY,
Corresponding Secretary

March 15, 1939

Omicron Does Some Cosmopolitan Pledging



Omicron is moving steadily on the upgrade through the second semester. Although the loss of two active members at the end of the first semester was keenly felt, Omicron is forging ahead with its present membership of 18 actives and 9 pledges, and is planning an extensive spring pledging drive.

The activities of the chapter are controlled in 1939 by the following officers: Regent, Frederic Kubias; Vice-Regent, Henry Hardaway; Steward, L. Gerard Simon; Scribe, James Bowman; Corresponding Secretary, Royal Weir; Marshal, John May; Inner Guard, George Fewson; Outer Guard, John Deters; Faculty Advisor, Prof. L. A. Ware. Brother Maynard Dix, our Regent last semester, graduated in February.

Since the fall issue of THE GEAR six new men have been initiated into Omicron Chapter. In the December formal initiation Brothers Edward Burman, Henry Hardaway, and John May became actives. The March formal initiation for Brothers Louis Grimm, Paul Carrigg and Harry (Fire-diver) Zweifel, was held on a Sunday morning, and following this a fine Sunday dinner was enjoyed by the "guys and gals."

Our pledges, ably led by Pledge Captain Clifford (Kay) Kiser are a truly cosmopolitan group. Included in their ranks are two boys from Turkey and one from the Netherlands West Indies.

Among Omicron's members holding offices in various organizations affiliated with the Engineering College are: Brothers Henry (Kaintucky) Hardaway, secretary to the student branch of the American Society of Mechanical Engineers and secretary of the junior class; John May, Secretary of Pi Tau Sigma and President of the junior engineering class; Frederic Kubias, Vice-President of the student branch of the ASCE; James Bowman, Secretary-Treasurer of the student branch of the ASCE; John Postlewait, co-editor of the humor(?) column of the IOWA TRANSIT, the Engineering College publication; Alvin Green, Vice-President of the Associated Students of Engineering. Al is also Mayor of Coralville, a suburb of Iowa City, and a Sanitary Inspector for the State Department of Health; Brothers Glenn Kellogg and Paul (Ash) Aschenbrenner are operators at the University Water Treatment Plant and Brother Zweifel is employed on the University Coal Analysis staff.

When, during the mid-semester period, the Engineering College was thrown into an up-

roar by the introduction into the state legislature of a bill which proposed transferring that Engineering School to Iowa State College at Ames, Brothers Al Green and Maynard Dix, followed by the loyal Omicroners, took the lead in organizing the student body and the alumni to arouse a storm of protest against the measure. Brothers Dix and Kubias were members of a student lobbying committee which invaded the state capitol at Des Moines in an effort to secure the help of some of the legislators in downing the bill (HF-152, as it was affectionately called). Need it be said that no further action was taken on the measure?

March 13th marked the beginning of the annual Mecca Week at the University of Iowa, honoring the Engineers' patron Saint Patrick, and sponsored by the Associated Students of Engineering. The boys finally found the "Blarney Stone," which had been buried 28 years ago, donned their green socks and ties, hitched up their slide-rule cases, and "trucked down" to the Mecca Ball to swing to the music of Tommy Tucker and his orchestra. The following Brothers were members of the committees for Mecca Week: Al Green, general committee; Robert Arnold and Pledge Kiser, play committee; Fred Kubias, Verne Anthony, and Edward (Grinner) Burman, dance committee; Brother Deters, chairman of the finance committee; Paul Aschenbrenner, smoker committee; Brother May, exhibit committee; and Pledge Clarence (Pat) Malone, banquet committee. Brothers Postlewait and Zweifel, as judges of feminine pulchritude, served on the queen committee.

An innovation at Omicron is the making of an award each year to the active or pledge who has done the most for Theta Tau during that year. The name of the person receiving the award will be placed on a plaque in the chapter house. The award for 1938-1939 has been made to Brother Al Green.

Doing their part to help the Student Religious Activities Committee, the members of Omicron Chapter are holding weekly fireside discussions under the leadership of some professor or other person connected with the University, on topics of current interest to college students. The discussions are very interesting and instructive.

In the line of inter-fraternity competition, our bridge team, composed of Jerry Simon, Royal Weir, John Postlewait, and Glenn Kellogg, is doing exceptionally well and hopes are high for a possible championship. With the coming of spring, the softball team will begin to take shape around our "million dollar" infield under the capable direction of athletic manager George (Tiger) Fewson and,



Mecca Queen candidates come to dinner

"Beavers" Marsteller,
Aschenbrenner, Kubias

"Ash" in typical pose

"John L." Simon

Pat Malone takes a
workout

no doubt, we will be able to offer some stiff competition in the race for the cup. As for spectator participation in sports, very much in evidence at the Iowa basketball games this past season was the Theta Tau rooting section whose chief delight, aside from showering paper airplanes and cheering the home team, lay in instructing the referees in no uncertain terms as to the proper decisions to make.

To start the new year off right, a couple of residents of the chapter house took it upon themselves to repaint and redecorate their room. The result was a general epidemic and at this writing five rooms have been redecorated and plans are being laid for similar work

in several others in an effort to "keep up with the Jones's."

It is with a note of regret that Omicron wishes the best of luck to Professor F. T. Mavis as he leaves the teaching staff of the University of Iowa to take over his new office as head of the Department of Civil Engineering at Pennsylvania State College.

We of Omicron are looking forward to a full and prosperous spring, with a new pledging campaign, the spring party, and above all the Regional Conference at Alpha Chapter to which we plan to send a large delegation.

JAMES BOWMAN, Scribe

March 12, 1939

Pi Athletes Go Strong



Brother Hunter Reinburg won his varsity

Since the beginning of the new year Pi Chapter has been rather strenuously engaged in realms of mid-winter sports, intra-mural and varsity.

letter through diving services on Virginia's undefeated swimming team this semester. Brother J. P. Simpson captained a top-flight Virginia boxing team. Brother Simpson will be remembered as former Southern Conference 120-pound champion and stellar Virginia boxer of three years varsity experience.

Brother Frank Nichols was awarded a varsity letter for his able duties as pitcher on Virginia's famous nine. This brings the quota of "V" men in the active chapter to four. Brother Mallard is the other varsity man representing the chapter in boxing circles.

Pi had two teams in the intramural basketball tourney this January. In an attempt to bring back the basketball trophy won in 1936 by the chapter, both teams of this semester fought ably through to the play-off

Following the present exam period nearly half the chapter is planning to descend on Gamma Beta in Washington to join in their annual banquet and initiation. Recent and quite frequent inter-chapter visits between members of Pi and Gamma Beta have provided a strong bond of real Theta Tau spirit 'twixt Washington and Charlottesville.

With the spring months not too far away Pi is looking forward to their annual chapter banquet at which the newly pledged men



F. P. Nichols, varsity pitcher



Hunter, Reinburg
Varsity Swimming and Tumbling

rounds where disaster stamped an unhappy conclusion. Nearly every member of the chapter was present at one or more of the games and participated actively in them.

On February 24th Pi sponsored jointly with another competitive organization the annual Engineers' Dance given for the Department of Engineering at the University. Brothers Ward, Wade, and Dinwiddie served in advisory capacity on a committee that presented quite an outstanding affair. This dance is the social highlight of the mid-term and is always accompanied by an open-house party at the Pi Chapter house.

are introduced to a chapter tradition. In the way of pledging this spring Pi is contemplating another successful campaign. By the present inter-fraternity rushing agreement in the Engineering School rushing will end during the second week in May. The freshman class is exceptionally large and within the next month we are hopeful of entertaining nearly 100 new men in consideration of bidding about one-fifth that number.

In H & T,

J. H. SIDEBOTTOM

March 16, 1939

Rho Initiates Dean Van Leer



Rho chapter has been very active this term. The most outstanding accomplishment was the initiation of Blake R. Van Leer, Dean of the

School of Engineering at N. C. State College, as an honorary member of Rho Chapter on February 11, 1939. A banquet and dance followed the initiation at which time Dr. Clyde A. Erwin, State Superintendent of Public Instruction for North Carolina, was the principal speaker.

Dean Van Leer received the degree of B.S. in Electrical Engineering from Purdue University in 1915, M.S. in Mechanical Engineering from the University of California in 1920, and a certificate from the University of Caen, France, in 1919. He also attended the University of Munich in Germany in 1928. He was Dean of the Engineering School at the University of Florida from 1932 to 1936, and has been at N. C. State in the same capacity since that time. We are very proud of Dean Van Leer and are sure that his initiation is a forward step for our chapter.

The annual Engineers' Fair will be held on April 14, and Rho Chapter is making plans to take a very prominent part in this outstanding event of the year. Information booths will be set up in each of the seven engineering departments and members of Theta Tau will be stationed at these booths to aid the large crowd that attends the Fair. Also, other members of Theta Tau are to be the official ushers of the Fair. This will be

the first time that anything like this has been done at the Fair, but we believe that the project will "go over" in a big way, and that it will be a great factor toward the success of the Fair. The Engineers' Fair is under the auspices of the Engineers' Council which is made up of outstanding students in each of the engineering departments of the campus. The following members of Rho Chapter are members of the Council: J. B. Lasley, G. E. Yount, B. A. Hildebrande, P. P. Gregg, E. O. Randolph, and S. D. Rogers.

At a recent banquet given in honor of all students who have done outstanding work on the campus publications, the following members of Rho Chapter were awarded gold keys for their services to the publications: S. D. Rogers, G. J. Bell, E. P. Davidson, and P. P. Gregg.

The local chapter of Tau Beta Pi selected new members this term and among those selected were five members of our chapter. These men are: M. S. Hayworth, G. E. Yount, T. M. Kolarik, K. V. Chace, and P. P. Gregg.

Rho Chapter has twenty-eight active members and no pledges at present, but plans are under way to initiate some new men during the latter part of April. The present officers of the chapter are: M. S. Hayworth, Regent; G. J. Bell, scribe; B. A. Hildebrande, Vice-Regent; G. E. Yount, Treasurer; T. H. Blount, Corresponding Secretary.

SAM HAYWORTH, Regent

March 12, 1939

Sigma House Overflows



Plans are progressing for Sigma's annual spring formal dance. Serious thought is being given to a dinner in connection with the dance. Social chairman Howard M. Dickason has been making early contacts with

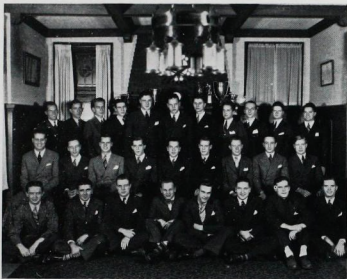
several very favorable places. Further and more definite plans for the big affair will be soon available.

At the present writing the old house at 1065 Indianola Avenue contains twenty occupants. Sixteen are active, two are pledges, and two are alumni. There are six actives living out of the house, which sums up to twenty-two actives. Graduation in the autumn quarter took two actives, Paul C. Hartman,

and Randall B. Hickman. Both Brothers have been placed in jobs since their graduation.

Replacing the graduates are two newly initiated men. They are Charles A. Bangert and Robert H. Denham. Both men have brought honors to the chapter and Theta Tau at large. Charlie is a winner of the General Motors University Scholarship contest of a few years past. Brother Bob was recently elected to serve as Secretary in the University Industrial Engineering Society.

Pledge master Cletus "Jeep" Oster reports eleven pledges. A concentrated drive by all actives is expected to swell this to greater proportions. Keen interest is being shown in the rushing of new men, so much so that a new idea has been originated. Those men instrumental in acquiring new pledges are to be feted to free Sunday dinners by their not so



First row: Robertson, Oster, Nungesser, Rhoads, Detwiler, Bowen, Garvey, Gibb
Second row: Schoewe, Hartman, Zimmerman, Borchers, Derrenberger, Dickason, Brown, Castiglioni, Mathews
Back row: Gambs, Wittwer, Ankrom, McFee, Browne, Hickman, Snyder, Denham, Hay, Bangert, Fisher

fortunate brothers who were unable to pledge new men. Acting-President McPherson of the University is slated to speak at one of the coming smokers for rushers.

New officers have taken their places in the chapter for the coming year. Brother Jack E. Zimmerman swings the gavel. His supporting brothers newly elected to their duties are William L. Nungesser, Vice-Regent; Cletus J. Oster, Pledge master; James F. Brown, Treasurer; and Robert H. Detwiler, Corresponding Secretary. The other officers were not elected so with the exception of the new officers above, our chapter management remains the same.

Sigma's men are always active on the O. S. U. campus in non-engineering as well as engineering groups. Teknikoi Honorary Fraternity has pledged Jack E. Zimmerman, James F. Brown, Jerry C. Gambs, and Robert P. Stone. Tau Beta Pi offers for this year were extended to Brothers Seymour K. Browne and Bob Stone. In addition to the honorary fraternity affairs, offices in the engineering societies are held down rather solidly by Theta Tau men. The Industrial Engineering Society is controlled 100% by Theta Taus, Engineers' Council is headed by Brother Ankrom and

four of the remaining seventeen places are held by Theta Taus. Brother Fischer is the representative of the Engineering College to the Student Senate, this being one of the highest honors on the campus; and to add to this seemingly proud paragraph, the Ohio State Engineer with its many Sigma men could be mentioned.

Brother Carl D. Fischer, of the intra-mural athletics department of the fraternity, has not had quite as successful a year as before. The basketball team failed to come to the class of last year's championship quintet. Could it be that the newly acquired ping-pong table has lured the brothers from the basketball court and even the after-dinner bridge table? However, Brothers Rhoades and Ankrom maintain their strong liking for bridge and will represent Theta Tau in a University tournament. Another popular diversion is the house dances of the year. Many of these dances have been held, with many more in the making. A cordial invitation is extended to all brothers to drop in for a "swing" when in town.

ROBERT H. DETWILER,
 Corresponding Secretary

March 10, 1939

Tau Members Unusually Active



Since Tau Chapter last informed *THE GEAR* of its doings quite a bit has happened. Last spring Grand Regent Daniels graced our initiation with his presence. The occasion was a grand success and we all enjoyed Brother Daniels' visit.

Once back from summer vacation the boys turned diligently to their first task of putting across the annual Engineers' Party. This is a classic event which features the presentation of skits by all classes to help the Frosh get oriented. The party was a huge success garnished by the engineers' favorite form of humor.

The Engineers' Dance came next on the schedule. Because of last year's success the dance was held in the ballroom of one of the city's foremost hotels. The dance advanced from probability to actuality in the short span of one week. Due to vigorous pushing it was attended by one of the largest crowd of frolic-ing engineers and beautiful co-eds since its institution several years back.

Now Tau is feverishly working to put across the annual Engineers' Banquet. This is our big job and from all reports it will top the other thirty-seven that have been held previously. We are also looking forward to Brother Daniels' visit here when we hold our spring initiation late in April.

And now let's take a look at what the ac-

tives of Tau are doing: in Tau Beta Pi we find Mike Sanford, Bob Gehring, Lew Evans, Tom Linnenbrink, Bob Fogelsonger, Don Brush, Frank Roehm, Kendall Doman and Charles Rogers.

Pi Mu Epsilon claims Brothers Gehring, Evans, Brush, Roehm, Doman, Durgan, and Rogers.

The Honor Committee is practically run by Tau men. These men are Sanford, Gehring, Artiglia, Evans, Gillespie, Doman, and Durgan.

Brothers Burbidge, Durgan and McShane do their bit in Scabbard and Blade.

Many of the Brothers are active in intramural and varsity sports. Sanford, bowling and baseball; Gehring, bowling and intramural sports; Hotchkiss, skiing; Travostino, bowling and intramural sports; Linnenbrink, intramural sports; Guidon, bowling and intramural sports; Horrocks, varsity crew; Brush, bowling and intramural sports; Durgan, wrestling; and Merrick and Rogers battle it out in Lacrosse.

The present officers are: Regent, Mike Sanford; Vice-Regent, Bob Gehring; Scribe, Ollie Artiglia; Treasurer, Lew Evans; Outer Guard, Al Travostino; Inner Guard, Don Masso. In a recent election the following men were elected to take over the duties of the present officers: Regent, John Horrocks; Vice-Regent, Fred Wells; Treasurer, Bob Fogelsonger; Scribe, Paul Harold; Rushing Chairman, Bob Herzog.

ALDO ARTIGLIA, Scribe

March 15, 1939

Who Has More Fun Than Upsilon?



Upsilon Chapter began its social events of the year with a picnic for the rushees. Everyone had a great time and proclaimed the expedition a huge success. Spirits ran high but the food ran low, and many of the brothers would have gone home hungry had it not been for the generosity of a group of librarians who were picnicing nearby. These sympathetic ladies supplied us with bread and salad dressing sandwiches, liberally seasoned with salt and pepper. This fare compared favorably with the food we prepared. After satisfying our appetites, we withdrew from the presence of the ladies and assembled around our own campfire where we sang all the songs we knew and a few more besides. After all songs and jokes had been exhausted, Regent

Bruce Menees made a very impressive talk to the rushees on the purposes and ideals of the organization.

The next social event consisted of a picture show party for members and rushees and their dates. The party was over early, however, because of a campus rule that dates must be called at eleven-thirty.

The chapter gave a joint formal with Tau Beta Pi, on February 11. The dance was one of the outstanding social events of the year. Although the event was the first of its kind in the history of the chapter, members are looking forward to more like it.

So far this year we have had two formal initiations. The following members have been taken in: Jimmie Dodson, Charles Hogan, Murray Thorn, Thomas Furlow, Eugene Manley, Landon Brown, Porter Gammill.

At a recent election Frank Lewis was chosen as Treasurer to replace Ben Johnstone, and

Richard Graham was elected Scribe to take the place of James Slayden who graduated. Other officers at present are as follows: Regent, Bruce Menees; Vice-Regent, Clyde Wooten; Marshal, Bill Stelzner. Bill, by the way, has obtained employment in Shreveport, La., with the Louisiana Gas & Electric Company.

We expect to hold another election in the near future to choose officers for next year.

The chapter is more active at present than it ever has been and we are all working for a bigger and better organization.

PEYTON RANDOLPH

March 14, 1939

Phi Pledges Get the Tough Breaks



During the present school year Phi Chapter has experienced a very encouraging increase in chapter strength, a result that is not always so easily attained after losing a large number of actives as we did last year by graduation. We began the second semester with sixteen actives and nine pledges, and the whole chapter is co-operating to the fullest extent in attempting to pledge several more men before the end of the present school year. This should indicate that Phi is rapidly returning to its strength of a year ago.

At the start of the new semester, there was a necessity for the temporary replacement of certain chapter duties and special offices, brought about by graduation and by special request on the part of the actives who formerly held these various chapter positions. Brother Kramer and Brother Wentz succeeded, respectively, Brother Matthew as Vice-Regent and Brother Larison as housemanager and steward. Both of these men graduated at mid-year. Brother Crouch has taken over

Brother Gardner's athletic manager's responsibilities, and Brother McMillen has relieved Brother Ott of his duties as pledgemaster. Our election of permanent officers for the next year will take place within a very short time.

The social aspects of Phi Chapter's members and pledges are being given a substantial boost this year with the scheduling of several radio dances, in addition to the annual spring formal. The last radio dance was held at the chapter house on Saturday, March 11th. We honored our pledges at this dance by having the rooms in which there was dancing appropriately decorated in green and white. However, the actives saw to it that the pledges carried on most of the work connected with preparations, so that the pledges, in reality, were honoring the actives.

While on the subject of pledges and their activities, we should like to relate the details of a freshman activity that did *not* take place so far as the freshmen of Phi Chapter were concerned. On the night of Wednesday, March 8, an ardent group of Purdue freshmen attempted to organize their classmates for the very bold but somewhat premature ceremony



New initiates during probation week
Standing: McMillen, Heinrich, Ference, Crouch
Seated: Scherrer, Mentzer, Seykes, Wentz



Scherrer, Seykes
Our present Regent looking on

of "pot burning". They ambitiously scoured the campus for freshmen, but oddly enough failed to arouse the Theta Tau rhinies. Our dear young boys were all soundly asleep at that late hour of 11 p.m., safely and comfortably tucked away in their respective beds while other Purdue freshmen were valiantly giving away their life blood for the "class of '42". We had a very exasperated bunch of freshmen on our hands the following morning. Needless to say, they will be wearing their green pots for the balance of the year.

Our active chapter is exceedingly anxious to have a good representation of alumni present for the annual spring formal, to be held on about the 29th of April. The date is only

tentatively set, but we should nevertheless desire to have all of our alumni in the vicinity keep the time and the event in mind, so that we can expect to see many of our brothers in H & T here.

Phi Chapter was very pleased to have Brothers Hopkins and Vawter visit the chapter in December, and to receive the constructive comments which they gave to us. We should be genuinely delighted to have many more Theta Tau men from other chapters drop in to pay us a visit, and to inspect the house which we can now truly call our own.

CHARLES E. KRAMER, Scribe
March 15, 1939

Chi Honored by Visit from Erich Schrader



Chi sends greetings to all Theta Taus. Nine new members were taken into the Chapter December 11, 1938, at an initiation banquet at the Santa Rita Hotel. Brother Metzger, Gamma '19, was introduced to the chap-

ter and gave us a short talk on his experiences. Brother E. S. Borgquist made an inspirational speech on instilling good professional ethics into young engineers. Those initiated were: Douglas Stevens, Jack Andreas, Joe Yeager, Charles Chase, Raymond King, George Warr, Al Fink, John McKay, John Cody.

Brothers Borgquist, Jimerson, and Gardner entertained the chapter with a bridge party at the home of the latter on February 3. Here alumni and actives met in a spirit of brotherhood. Brother Cushing's accomplished skill won him top honors in the form of a fountain pen. Other prizes went to George Warr,

Harry Garrett, and Doug Stevens. High score for alumni went to Brother Thornburg.

Chi Chapter was honored by a visit from Grand Scribe Erich Schrader and his nephew, Brother Clarence Schrader, Tuesday, March 7. Brother Schrader, who, incidentally found the chapter records in excellent condition, was with us at the installation banquet for the new officers held at the University Commons. Brother Schrader, the speaker of the evening, told about the founding of Theta Tau and its growth into the great fraternity it is today. It certainly was a treat for the fellows to meet Brother Schrader and for his alumni friends to be with him again. The installation banquet was a complete success with a large turn out and more chapters represented than ever before. Visitors from six different chapters were present: Erich Schrader, Alpha '04; Clarence Schrader, Psi '39; A. L. Ferris, Beta '11; Bruce Ellis, Alpha '08; O. H. Metzger, Gamma '19; E. S. Borgquist and E. D. Gardner, both of Lambda; H. Jimerson, Zeta '26.



The officers pledging themselves to carry on the excellent record of the last administration are: John McPherson, Regent; Angus McVicar, Vice-Regent; Jack Andreas, Scribe; Harry Garrett, Treasurer; Al Fink, Corresponding Secretary.

Chi Chapter has been carrying on its meetings in good order. A member each of the Civil, Electrical, Mechanical, and Mining Engineering Departments has made a technical

talk on the aspects of Boulder Dam as seen from his standpoint at the latest meetings.

We are looking forward to St. Pat's Day with enthusiasm. A fine group of Seniors will receive their green certificates of knighthood, and those freshmen are going to feel the sting of the paddle as they kiss the Blarney Stone.

AL FINK, Corresponding Secretary
March 13, 1939

Psi Finances Most Anything



Well, Brothers, now that the shifter has scrambled, perhaps we can "take five" and tell you about the happenings at Psi Chapter. Soon after the beginning of the year, there was a partial change of officers from those listed in THE GEAR last fall. The men who are now holding office are Charles Lyden, Regent; Gordon Fay, Vice-Regent; John Prater, Scribe; Fred Pope, Treasurer; Sherman Lang, Inner Guard; Stan Kappel, Outer Guard; Kenneth Dodd, Marshal; and Laurence Eck, Corresponding Secretary.

This change of officers was caused by the inability of former Regent Clarence Schrader to continue school in December. He underwent an operation and was in the hospital until February 1st. The Brothers regretted to see Clarence leave, and sincerely hope that he will be back again in the fall. He dropped in to see us a few weeks ago for a short visit while enroute to Nevada to visit the Grand Scribe and a certain "someone" in Arizona. Here's wishing him an early and complete recovery.

On November 20th, actives and pledges attended a smoker at the chapter house to hear a highly interesting talk by Dr. F. H. Malce of Butte on "Modern Social Diseases". Following an instructive discussion, refreshments were enjoyed by the group.

The annual inter-fraternity dance was held in connection with the other engineering fraternity on the campus on December 11th at the Butte Country Club. The affair was well attended and is one of the most popular functions on the fall calendar.

The Christmas holidays found many of the fellows staying in Butte to help out the ole sock by working in the mines. There were rumors floating around to the effect that the boys put so much rock in the box that the over-production caused the shut-down of the Leonard, but, perhaps, one should take that with a grain or two of salt.

On January 15th a formal initiation was held in which the following seven men were inducted: Frank Bowdish, Eddie Chades, Ray Gilbert, Harold Hill, Bob Hunter, Eric Moum, and August Rambosch. Assisting the officers in the ceremonies were Dr. G. L. Shue, Dr. E. A. Peretti, Charles Beckstrom, and Wally Ruemmler, Iota '37. This initiation boosted the number of actives in the chapter to thirty-four.

With the beginning of the semester, rushing was again in full swing. The chapter gained eleven new pledges, the majority of them being transfer students. On February 10th a dance honoring these new pledges was held at the Finlen Hotel.

February 28th found the chapter holding a smoker in the house for actives and their respective pledge brothers. After getting everyone acquainted, a program was presented as follows: a vocal trio composed of Brothers McCready, Hunter, and Eck offered a few barber shop selections; Brothers Fay and Rich presented their interpretation of "The Death Chant Before and After Exams" which seemed to be quite indicative of the general atmosphere at such times; Pledge Bob Moreen swung a couple of numbers on the piano; McCready and Fay dueted with their own piano accompaniment (the fellows not living in the house thought the latter two pretty good, but the boys exposed to such racket every day were prone to think somewhat differently). However, after a few rare stories by Brother Lang refreshments served in the fraternity dining room successfully terminated the evening.

In the line of improving the general status of things in the house, the chapter has purchased a new washing machine, paid off another installment on the nearly-blotted-out debt for chapter room furnishings, bought a new set of files for fraternity records and quizzes, and added an atlas and encyclopedia to the fraternity library. Fifteen smackerels were donated to the varsity hockey team for much-needed equipment before their departure to California. Psi feels quite proud that its



financial status is such that it can bring about these improvements.

Some of the individual accomplishments of the fellows are as follows: Pledge Frank Hamilton, Canadian hockey player, held a berth on the varsity hockey squad; Pledge Eugene Nelson is Duke of the Copper Guards, local chapter of the Inter-Collegiate Knights; Pledge Stan Huckaba is secretary of the I. K.'s and the winner of the A. I. M. E. scholarship for the year 1939-40 (this scholarship has been in Theta Tau for the last four consecutive years); Brother Hunter and Pledge Reino Hyyppa were two of a picked basketball team to play the world-famous Harlem Globe Trotters in an exhibition game (no need to say who won); Pledge Russell Chadwick rolled his third consecutive A-flush; Brother Frank Bowdish was the lucky recipient of the first senior job when he was accepted by the representative of the Caterpillar Tractor Company of Peoria, Illinois; and last but not least we must include Brother Gus Rasmosek's accomplishments. Gus, as house manager, is making the boys who skip clean-up stand up for three consecutive meals (wotta guy and wotta shifter he'd make!)

In the intra-mural basketball tournament, the H & T's were runners-up to the championship under the capable leadership of Brother Thor Johnson. The team which beat us was

made up of a group of previous letter-men. The hockey team entered in the intra-mural hockey race played one game and lost that one—the boys considered it a pretty good practice anyway even though Brother Loughridge, and Pledges Lindquist and Hyyppa practically ruined the laundry downstairs in practice the night before. The chapter again leads the list of organizations on the campus in scholarship at the end of the first semester.

Psi is glad to welcome back Brother Bill Trethewey who has been working in Billings in the sugar beet plant as a chemist. Bill was the Psi delegate to the last national convention of Theta Tau.

The fellows are now looking forward to the spring party to be held early in May. Committees are working, but no definite place has been set to date.

The senior class is planning a long inspection trip to include both world fairs at San Francisco and New York. Without doubt the Psi seniors will have an opportunity to visit various chapters of Theta Tau on their journey.

Wow, we'd better get mucking—there's that bloody shifter coming down the drift—

LAURENCE T. ECK,
Corresponding Secretary

March 14, 1939

Omega Leads Campus in Intramurals

RAPID CITY
S.D.

Omega Chapter extends greetings to all Brothers in Theta Tau.

On March 26, Omega's Founders' Day, six new initiates will be taken into the brotherhood. Elmer Lee, Donald Bigelow, Marion Rowland, Marvin Peterson, Paul

Drickey, and Carl Bohnlein will go through the initiation ceremony and become full fledged members shortly after midnight on Sunday, March 26. Initiation activities will be concluded with a banquet to be given in honor of the new members at the Alex Johnson Hotel dining room on Sunday evening. We feel that with the addition of these new

men Omega Chapter will gain six of the finest men of the type that are represented by Theta Tau.

Drickey and Rowland have never yet been off the record as far as the honor roll is concerned, and by all indications will keep up the good work.

We held our regular spring election of officers early in March. Brother Gilbrough was elected foreman of the "Cinch-Buckle Tee". This is a new name for our fraternity that was started by Triangle. Mazourek has taken over the office of Vice-Regent. Brother Lubker is looking after our finances—beware the man who lets his dues lapse. Goldsmith is doing our correspondence work with the aid of a few pledges, and Brother Hoevet is very capably holding down the office of scribe. Brothers Norman, Lindley, and Harding have taken over the offices of Marshal, Inner Guard, and Outer Guard, respectively. Brother Stevens has taken over the job of feeding the hungry mouths. He replaces Brother Stanley who did an excellent job of managing the house for the past year.

We are looking forward with anticipation to the coming of one of the Grand Officers to pay us a visit sometime in May. As first planned, Brother Hopkins was to be with us on our Founders' Day, but the visit was postponed. At present we hope to see Brother Hopkins in May.

Plans have been progressing for the chapter to put on a vaudeville act for the Engineers' Circus which will be held in the latter part of April. We hope that this year's act will measure up to the last presentation of the Theta Taus when they took top prize.

Several Brothers did the chapter honors scholastically when they were initiated into Sigma Tau. Those initiated included Gilbrough, Stevens, Norman, Davis, and Pledges Peterson and Rowland.

We plan to send several delegates to the Regional Conference at Alpha Chapter. Much

interest has been shown among the members and they are planning an interesting trip.

We are proud to announce that under the driving influence of Brother Lubker as athletic manager, we now lead all other campus organizations in the intramural program. We won both the basketball and volleyball championships this year. The balmy spring afternoons have been spent in uncovering talent for a top notch kittenball team. At the present time the pledges have defeated the actives on the diamond.

Brother Lubker, and Pledges Thurston, Hubbard and Egemo represented the chapter on the School of Mines basketball team. All four will be back next year to help make the season better than the one just completed.

Brother R. R. Davis has been appointed to take charge of the preparations for the annual spring formal dance. We hope to make this dance, our one and only for the year, an even bigger success than last year's, if that is possible.

Omega was very successful in pledging twenty-one new men this year. A week before the pledging party a banquet was held at the house for all prospective men. At this time our faculty advisor, Prof. J. O. Kammerman, gave a talk on fraternities in general and what would be expected of the men if they pledged.

Spring graduation will find ten men leaving us to begin their engineering tasks. Those graduating are: Brothers Stanley, Crawford, Flisig, Davies, Kingsbury, and Serbousek in Civil Engineering. Brothers Cleland and Davis will finish their work in electrical engineering, Brother Woodle in Mining, and Brother Fenner in Geology.

With twenty-two actives and thirty-six pledges, Omega feels that this year for Theta Tau has been highly successful.

J. GOLDSMITH

March 19, 1939

Gamma Beta Supplies Officers for Campus Organizations



The activities of Gamma Beta have been great since the last GEAR of the year. We started the activities by having a rush function at Brother Lohne's. At this party the usual games were played with some of the boys coming out on the wrong

end. As a result of the party five new men will be initiated March 18th, the initiation to take the place of a birthday party in honor of the founding of our chapter. The initiation will be held at the Hay-Adams House with Brothers Daniels, Ames, and we hope, Curtis attending. At this initiation Carl Estabrook, Lewis Nacker, Frank Mitchell, George Warner, and Robert Randall will be taken into Gamma Beta. We hope that the

brothers from Pi will attend so that we may be able to show them as good a time as they showed us.

The men in Gamma Beta have proven themselves leaders on the campus, as the Engineers' Ball, under the leadership of Brothers Lawrence Froyd and Bert Randall, was a success, and the Engineers' Council made money. Gamma Beta received a cup from the Student Council for donating the largest amount of money to the Food Drive at Christmas time. Brother Mikuszewski had to don the boiled shirt and receive a cup at the All-University Prom. He is now considering appointing a trophy-keeper to carry the cup to all meetings.

New officers were elected with Brother Warren Crump being elected Treasurer; Kemper Sullivan Scribe, to fill the remainder of Brother Hallberg's term as Scribe, as he was

forced to resign due to the heavy schedule in school. Guy B. Watson, Jr., was elected Corresponding Secretary and he hopes he will be able to do his job half as efficiently as Brother Tom Johnson, who is, in the opinion of all in the Engineering School, a smoothy.

It seems that all the impending vacancies in the various organizations in the Engineering School are being filled by Gamma Beta men, as Sigma Tau elected Bert Randall President, and Tom Johnson Vice-President, and we hope after the elections in the other organizations Gamma Beta will continue to fill the posts.

We are proud of our chapter and will try to keep Theta Tau at the top of all activities at the George Washington University.

GUY B. WATSON, JR.,
Corresponding Secretary

March 13, 1939

Central Alumni Association's Newly Organized Ladies' Association Proving Successful

The Central Alumni Association at its fall meeting elected the following officers:

Emmett E. Knorr, Sigma '27—President
Charles H. Altvater, Sigma '29—Secretary-Treasurer
"Jack" K. Dumbauld, Sigma '32—Executive Member

At this meeting the monthly luncheons of the group in Columbus were discussed and it was decided to continue them at the usual time and place: namely, the State Restaurant on the first Tuesday of each month at 12:00 p.m. Visiting brothers are cordially invited to attend these luncheons when in Columbus.

Since the last issue of THE GEAR the newly formed ladies' club has elected the following officers:

Mrs. C. H. Wall, President
Mrs. F. W. Davis, Vice-President
Mrs. J. K. Dumbauld, Secretary
Mrs. C. P. Smith, Treasurer

Our hats are off to Brother Knorr for his work in sponsoring this newly formed group and to Mrs. Wall for her capable leadership. The ladies' association meets once a month at Sigma Chapter house where the evening is spent in planning for the future, and in entertainment. Each meeting seems to be more of a success than the preceding one, and it can be truthfully said for the ladies that they

have indirectly done for the Columbus members of the Central Alumni Association what has never been accomplished before, and that is to weld this group into a closer fraternal bond.

It is our earnest desire to include all Theta Taus in and around Ohio on our roster, so you brothers who are not already members of Central Alumni Association, please get in touch with Brother Charles Altvater at the Ohio Highway Department, Offices of State Building, Columbus, Ohio.

At this time, a definite date has not been as yet set for Sigma's annual spring formal but be assured that a real party is being planned for all Sigma men and alumni, as well as any of the Theta Tau brothers who may be in the vicinity of Columbus at the time of the party. More definite information as to the time and place may be obtained by writing the chapter at 1965 Indianola Ave., Columbus, Ohio.

With a toast to Erich J. Schrader, the founder of Theta Tau and to those brothers who by their tireless and ceaseless efforts have made Theta Tau what it is today, we salute you and to all of you brothers we again extend an invitation to visit us here in Columbus.

"JACK" K. DUMBAULD

March 9, 1939

Kansas City Alumni Association Plans Ladies Auxiliary

The Kansas City Theta Tau Alumni Association holds four regular meetings during the year, in February, May, August, and November. Precedent has set the meeting date as the first Thursday of the month, conditions sometimes altering the arrangements. The organization extends a cordial invitation to all alumni living in or near Kansas City to attend our meetings. A letter or card addressed to R. W. Nusser or Paul Dwyer by any alumni not in our files would be appreciated. Alumni and undergraduates visiting in or traveling through Kansas City are particularly invited to contact the association upon arrival.

A chicken dinner was held on November 3, 1938, followed by a short and informal meeting. A cold and rainy night held the attendance down, but the Theta Tau spirit was there in full force. Brother W. S. Baum, Zeta '28, attended and was welcomed back into the fold after being in Cincinnati for two years on a municipal water works project.

The February meeting was moved up to January 11, 1939, in order to consider the

petition of Alpha Pi Fraternity at the University of Louisville and speed the results to the Executive Council. It was gratifying to see quite a few of the alumni present who had not been very active in the past, and it is hoped their zeal continues and spreads to other alumni. Brother M. F. Sinnard, Zeta '22, of Washington, D. C., who was in Kansas City on a vacation, attended and many experiences were retold with his former classmates at the University of Kansas.

Brother Clayton Ott, Zeta '34, has returned to Kansas City during the past week from the Philippine Islands where he has been stationed as a mining engineer. He plans to remain in his old haunts for about a month or two before returning. He will be at the next meeting in May and promises to tell of his experiences. Also at this meeting the association is planning to form a ladies' auxiliary and is looking forward to this occasion, expecting it to add quite an impetus to our organization.

PAUL DWYER, Zeta '34, Secretary
March 13, 1939

Chicago Alumni Association Starts Employment Service

The Chicago Alumni Association of Theta Tau, at the December meeting, elected the following officers and directors for the coming year:

President—H. R. Hilkey, Zeta '27

Vice-President—Don Gillmore, Omega '36

Sec'y-Treas.—J. B. Finch, Alpha '30

Directors—L. D. Parsons, Phi '36; J. S. Perry, Omicron '37; L. P. Tonne, Beta '38

After the regular meeting we all went over to the National Broadcasting Company Studios and attended a half-hour broadcast feature; following this we were taken on a special tour of the other studios and operating rooms by one of the engineers on duty. It was a very interesting trip and everyone enjoyed it very much.

At our February meeting we went up to the Lighting Institute in the Civic Opera Building where we heard a very interesting illustrated talk on lighting of the past, present, and future, including Fluorescent Tubing as it can be used in the home and stores.

After the talk we made a tour of the many lighting displays for industrial, home, and store application.

If anyone is in Chicago to see the interesting sights put this on your list of "points of interest to see", as it is a very complete dis-

play and very instructive, not only to an engineer but to anyone.

Our next meeting will be held on April 14th at the Hyde Park Hotel on the South Side. We have arranged for several instructive reels of movies and Brother Hilkey promises us a very interesting meeting.

In the last issue of THE GEAR I mentioned that the Chicago Alumni were working on an employment directory for the Chicago area, and thought I would have more to report in this issue. The work has been going ahead and our members through their co-operation have collected a contact list which in several cases shows a definite opening in some lines of work and many more where if openings do occur we can get the man in contact with the right parties.

As this is a new project with us, we don't want you to expect too much, but we will be glad to give you all the information and help we possibly can.

Anyone interested in a job in or near Chicago write to me stating what type of work you are interested in and I will mail to you whatever information is available in that particular line. If you happen to be in Chicago or going through, get in touch with Brother H. H. Hopkins, 1724 W. Fulton St.

The Chicago Alumni wish to extend a cordial invitation to any Theta Tau who is living in or near Chicago and especially to any new graduates who locate here in Chicago

to come to our meetings and meet many old friends.

J. B. FINCH, Sec'y-Treas.
25th and Madison St., Bellwood, Ill.

Twin City Alumni Association Active

The fall meeting of the T. C. A. A. was a dinner meeting held at the Minnesota Union Friday evening December 16, 1938. Brother J. C. Robbers, District Engineer, Minnesota State Highway Department, gave a very interesting discussion of a move to create a State Professional Engineering group. Mr. Robbers, as one of the founders of the movement in this state, was well equipped with facts about similar activities in other states. It is interesting to note that as a result of this work in which Mr. Robbers shared, an organization committee (of which Mr. Robbers and several other prominent Theta Taus were made members) was formed to draw up a Constitution and By-Laws for a professional engineers' association. It is hoped that the success attained in this movement in Ohio will be repeated or bettered here.

The winter meeting of the T. C. A. A. was

also a dinner meeting held at the Minnesota Union on Friday, February 3, 1939. Sigma Xi, National Scientific Fraternity, held the first of their 1939 series of Popular Lectures on this same evening in the auditorium adjacent to the Union. After a short business meeting we therefore adjourned to the auditorium to hear Prof. Roy Jones, head of the School of Architecture give a very interesting illustrated lecture on the topic "Man and His House". The lecture was well attended.

Our next meeting will be held in conjunction with the Mid-Western Regional Conference which is to be held Saturday, April 8th. It is hoped that all alumni in the Twin Cities and nearby communities will be able to attend. We are informed that Grand Regent Daniels and Grand Vice-Regent Glass will be present.

R. M. HANSON

WANTED — A MAN

A man who can find things to be done without the help of a manager and three assistants.

A man who gets to work on time in the morning and does not imperil the lives of others in an attempt to be the first to quit work at night.

A man who is neat in appearance and does not sulk because of an hour overtime in emergencies.

A man who listens carefully when he is spoken to and asks only enough questions to insure the accurate carrying out of instructions.

A man who looks you straight in the eye and tells the truth every time.

A man who does not pity himself for having to work.

A man who is cheerful, courteous to everyone and always determined to "make good."

A man who, when he does not know, says: "I don't know." and when he is asked to do anything says: "I'll try."

FOR SALE: One graduate Mechanical Engineer, 1938 model, practically unused, good condition, dependable. Desires purchase by steam-power or machine-tool concern, location immaterial. Geared high, no brakes—if he can only get started. Good personality. Proven above-average ability.

SATISFACTION



and *Pride of Possession* comes in knowing that the **QUALITY** and the design of your purchase is the **BEST** that your budget affords. The L. G. Balfour Company makes and sponsors articles in every price field—you are assured that orders placed with your official jeweler protect your insignia and give you maximum value.

The Balfour Guarantee—

1. That Balfour made merchandise is exactly as represented.
2. That it represents the best value for the price paid and thus insures complete satisfaction.
3. That your money will be refunded should merchandise fail to meet full specifications and your satisfaction.

◆

WRITE TODAY FOR YOUR COPY OF
THE BALFOUR BLUE BOOK
FREE

Mailed postpaid—Mention Your Fraternity

◆

Buy with complete confidence from
SOLE OFFICIAL JEWELER TO

Theta Tau

L. G. BALFOUR

COMPANY

ATTLEBORO,

MASSACHUSETTS

- - - - - In Canada visit your nearest BIRK'S Store - - - - -

