



The Gear *of Theta Tau*

Volume **XXX**

Number **2**

SPRING, 1941

The GEAR *of*
THETA TAU



SPRING, 1941

VOLUME XXX

NUMBER 2

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

FOUNDERS

ERICH J. SCHRADER
W. MURRAY LEWIS

ISAAC B. HANKS
ELWIN L. VINAL

EXECUTIVE COUNCIL

- RUSSELL G. GLASS, Sigma '24 *Grand Regent*
23401 Chardon Road, Euclid, Ohio
- R. W. NUSSE, Zeta '28 *Grand Vice-Regent*
5011 S. Benton, Kansas City, Mo.
- ERICH J. SCHRADER, Alpha '05 *Grand Scribe*
Box 244, Reno, Nevada
- PROF. JAMISON VAWTER, Zeta '16 *Grand Treasurer*
307 Engineering Hall, University of Illinois, Urbana, Illinois
- PROF. DONALD D. CURTIS, Omicron Hon. '19 *Grand Marshal*
Clemson College, South Carolina
- NORMAN B. AMES, Gamma Beta '17 *Grand Inner Guard*
8 Westwood Dr., Westmoreland Hills, Md.
- J. W. SKOVHOLT, Alpha '31 *Grand Outer Guard*
1391 Raymond, St. Paul, Minn.

DELEGATE AT LARGE

- PROF. J. M. DANIELS, Nu Hon. '22 *Past Grand Regent*
Carnegie Institute of Technology, Pittsburgh, Pa.

ALUMNI ASSOCIATIONS

- Central Ohio*—R. J. Ebner, 1050 Parkway Drive, Columbus, Ohio
- Chicago*—J. B. Finch, 25th and Madison Street, Bellwood, Ill.
- Cleveland*—W. R. Uffelman, 1680 E. 117 St., Cleveland, Ohio
- Intermountain*—C. Milton Anderson, P. O. Box 403, Salt Lake City, Utah
- Kansas City*—R. S. Patterson, 6431 McGee St., Kansas City, Mo.
- National Capitol*—Geo. M. Lohnes, 970 National Press Bldg., Washington, D. C.
- Southwestern*—John F. Rauscher, Tucson Water Dept., Tucson, Arizona
- St. Louis*—H. R. Kilpatrick, 216 Elm Ave., Glendale, Mo. (c/o Kirkwood P.O.)
- Twin City*—Robt. B. Aslesen, 520 Second St. S.E., Minneapolis, Minn.
- Louisville Alumni Club*—c/o Theta Tau Fraternity, 2128 S. First St., Louisville, Ky.
- Los Angeles Alumni Club*—William S. Badt, 815 W. 5th St., Los Angeles, Calif.
- Northwestern Alumni Club*—Rayworth F. Howe, 957 S. Dakota St., Butte, Montana

MEMBERS OF THE PROFESSIONAL INTERFRATERNITY CONFERENCE

ARCHITECTURE, Alpha Rho Chi, Scarab. CHEMISTRY, Alpha Chi Sigma. COMMERCE, Alpha Kappa Psi, Delta Sigma Phi. 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 Psi, Phi Chi, Phi Delta Epsilon, Phi Rho Sigma, Theta Kappa Psi. PHARMACY, Kappa Psi.



Chapters

- ALPHA, *Founded October 15, 1904* - - - - University of Minnesota
(Chapter house) 324 Walnut St., S. E., Minneapolis, Minn.
- BETA, *Established March 26, 1906* - Michigan College of Mining and Tech.
(Chapter house) 233 College Ave., Houghton, Mich.
- GAMMA, *Established November 4, 1907* - - - Colorado School of Mines
c/o Prof. M. I. Signer, Colo. School of Mines, Golden, Colo.
- DELTA, *Established May 23, 1911* - - - Case School of Applied Science
Theta Tau Box, Case School of Applied Science, Cleveland, Ohio
- EPSILON, *Established May 4, 1911* - - - - University of California
Box, Hearst Mining Bldg., University of California, Berkeley, Calif.
- ZETA, *Established April 17, 1912* - - - - University of Kansas
(Chapter house) 1602 Louisiana St., Lawrence, Kansas
- THETA, *Established May 26, 1914* - - - - - Columbia University
c/o Prof. A. D. Hinckley, Eng. Bldg., Columbia University, New York City
- IOTA, *Established February 5, 1916* - - - - Missouri School of Mines
Theta Tau Box, Missouri School of Mines & Metallurgy, Rolla, Mo.
- LAMBDA, *Established 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) 1721 Jefferson Park Ave., Charlottesville, Virginia
- RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.
P. O. Box 5525, State College Station, Raleigh, N. C.
- SIGMA, *Established November 29, 1924* - - - - - Ohio State University
(Chapter house) 1965 Indianola Ave., Columbus, Ohio
- TAU, *Established December 12, 1925* - - - - - Syracuse University
c/o Prof. E. F. Berry, College of Applied Science, Syracuse, New York
- UPSILON, *Established April 7, 1928* - - - - - University of Arkansas
537 Leverett St., Fayetteville, Arkansas
- PHI, *Established April 21, 1928* - - - - - Purdue University
(Chapter house) 416 N. Main St., West Lafayette, Ind.
- CHI, *Established April 23, 1930* - - - - - University of Arizona
Theta Tau Box, Engineering Bldg., University of Arizona, Tucson, Ariz.
- PSI, *Established May 7, 1932* - - - - - Montana School of Mines
Theta Tau Fraternity, Care of Montana School of Mines, Butte, Montana
- OMEGA, *Established March 26, 1932* - - - - - S. Dakota School of Mines
(Chapter house) 107 Kansas City St., Rapid City, South Dakota
- GAMMA BETA, *Established March 16, 1933* - George Washington University
c/o Dean of School of Engineering, George Washington University,
Washington, D. C.
- DELTA BETA, *Established May 20, 1939* - - University of Louisville
(Chapter house) 2128 S. First St., Louisville, Ky.

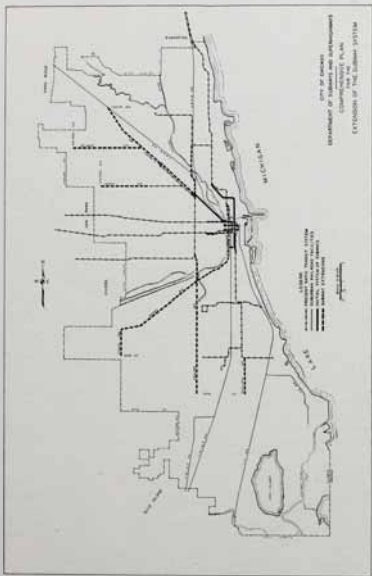


Fig. 2. Comprehensive plan for the extension of the railway system

An Initial System of Subways for Chicago

By George L. Jackson, Ph. '26, Assistant Subway Engineer and Dick Van Cuyk, M. E. '26, Subway Structural Designer, Department of Subways and Superhighways, City of Chicago

As a part of its program of local mass transportation improvement, extension and modernization, the City of Chicago has under construction an Initial System of Subways the completion of which will bring into reality a plan that has been discussed for some thirty years.

Being built at a depth of approximately forty feet below the street surface it will introduce to Chicagoans a new avenue of transportation and go far in solving the problem of mass transportation improvement in and adjacent to the city's terminal or loop area.

The general pattern of Chicago's existing transportation facilities today is not unlike that of other large cities. The system is made up of the usual surface modes of transportation including street cars, trolley busses, motor buses and steam railroads and an extensive route of elevated railroad lines. Operated by a number of different companies the system has not kept pace with the growth of the city due to lack of modern equipment, extension of lines, flexibility of operation and co-ordination between its various parts.

A major plan for transportation improvement is now being carried forward of which the initial system of subways is a part.

As shown in Figure 1 the initial system of subways comprises the beginning of two subway routes connecting with the present elevated lines. It will provide for the operation of

north, south and northwest side elevated trains underground within the terminal area thereby materially decreasing congestion on the present elevated loop and providing for speedier transportation from the outlying areas served by the elevated railroad system. This new form of transportation is expected to attract many new riders to rapid transit routes resulting in decreasing congestion in other forms of surface transportation.

In Figure 2 the initial system of subways is shown together with subway extensions comprising some 55 miles of subways which it is planned to build at an estimated cost of two hundred seventy-four million dollars. Upon the completion of subway extensions shown on the plan through and adjacent to the terminal area the present downtown elevated railroad loop will be removed. The comprehensive plan includes two street car subways for accommodating surface lines cars serving the west, northwest and southwest sides of the city.

Beginning construction in December 1938, the work of building 7.7 miles of double track train tubes for the subway system is substantially completed. Connections to the rapid transit lines, together with approximately one-half mile of train tubes and turn back loop comprising an additional length of one and one-tenth miles remain to be built. The system is being provided with twenty-nine mezzanine stations and four passageways for the use of pedestrians con-

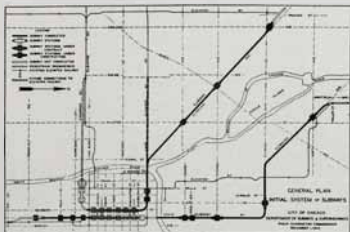


Fig. 1. Initial System of Subways

necting the two routes in the downtown area. Construction on these parts of the plan is proceeding at a rapid rate and is expected to be completed during 1941.

The completed work including station finish and mechanical equipment but exclusive of track, operating equipment and rolling stock is estimated to cost \$57,400,000. Of this amount \$23,130,000 is being furnished by the Federal Works Agency of the Federal Government. The remainder, \$34,270,000, is being taken from the City's traction fund.

DESIGN

The subway lies wholly within public streets with the exception of locations where the routes change direction and at the ends where the subway swings into line with the existing elevated structure. At these points necessary easements or titles to property were acquired. Horizontal curves, all of which are spiraled, vary in radius from 281 feet to 5,300 feet. The platform sections of the tunnels are

level while the tube sections between stations have a minimum grade of 0.3 percent for drainage. The maximum grade at the river crossings and on the approaches to the elevated structure is 3.2 percent.

Two types of tunnel sections have been used, the horse-shoe type for the bench mining method and the circular section where shields were used. In both cases clearances were based on using cars 65'-0" long and 9'-6" wide, having a distance of 46'-2" between truck centers. Each tunnel is large enough for one track only.

The horseshoe section on tangent is 15'-0" wide and 16'-9½" high with a semi-circular arch and flat bottom. On curves where more clearance is needed the width varies to as much as 18'-0", the additional width being obtained by introducing a flat portion at the center of the arch.

A horseshoe section 19'-9½" high is used through the platform section of stations outside the central business district, these sections being 100'-0" long. Both center platforms and side

platforms have been built, the former 18'-0" wide being used in cases where the two parallel tunnels are independent single tubes with 8'-6" of earth between them. Side platforms 12'-0" wide are necessary where the tunnels are constructed as twin tubes with a common center wall. Space is provided for this type of platform by building small side arches adjacent to the main tunnels for the length of the platform section. Heavy steel columns 15'-2" on centers, which support longitudinal steel beams, replace the concrete wall adjacent to the platform in both types of construction.

Underground mezzanine stations with stair entrances from each corner are located at principal street intersections along the routes. Complete station equipment of controls, toilets, service rooms and concession space will be provided. The mezzanine floor, approximately 18 feet below street grade, will be connected with the platform, 18 feet below the floor also, by both stairways and reversible moving stairways.

In the central business district, due to soft plastic clay with a high water content and because of the greater hazard of tall buildings on insecure foundations, the shield method of mining was employed. The section is circular with an inside diameter of 20'-5". A continuous center platform, 21'-10" wide, is provided from Van Buren Street to Lake Street on the State Street Route and from Van Buren Street to Randolph Street on the Dearborn Street Route. Mezzanine stations similar to those described above are located at the center of each block within those limits.

Short lengths between the tunnels and the end inclines, built in open cut, are of rectangular section, 16'-2" high



A completed portion of arch section train tube

inside. Most of this construction is on curve which requires a varying width. At three points crossover sections to permit passage of trains from one tunnel to the other were built. Two of these, each 175'-0" long were made in open cut, the third being mined in tunnel.

The Dearborn Street Subway was tunnelled under the Chicago River at Lake Street in the conventional manner. To avoid an excessive grade up to the north end of the continuous platform in State Street a twin tube section 200'-0" long was fabricated of steel and concrete in a dry dock, floated to the site and sunk in a dredged trench across the river. A short section was built in cofferdam at each end of the river crossing. These served as connection links between the river sections and the land tunnels.

The designs for tunnel structures of the project were carried out using methods of analysis based on the classical theory for stresses in rings and



Completed twin tube section at a junction with a crossover section

curved beams. Though designs produced by the use of these theories are known to be accurate, uncertainties caused by variations in weight of soil, the ratio of horizontal to vertical pressures, load distribution over invert and ring, the vertical and lateral changes in pressure due to superimposed loads, and loads from adjacent structures and the proximity of the tubes to each other were accounted for by the following assumptions:

1. The vertical earth load was taken to be 100 pounds per cu. ft.
2. The street live load was assumed to be 300 pounds per sq. ft.
3. Lateral earth loads were assumed to range from $1/3$ to $2/3$ of the vertical loads.
4. Increased lateral loads from adjacent buildings were added.
5. The structure was proportioned for the most adverse combination of conditions.

In the design of structures built in open cut the same assumptions as outlined for tunnel structures were used except that vertical loads were increased because of the impact due to moving surface loads and lateral loads were taken to be $2/3$ of the vertical.

Extensive investigations and studies were made of the problem of ventilating the subway. Because of the long, uninterrupted stretches of tunnel the air in the tubes will be subjected to the movements of trains. Full advantage is taken of this piston action by providing grating areas in the sidewalk which are connected to ports in the tunnel wall by shafts through which air will be forced out and drawn in as trains pass. One hundred square feet of openings in one wall of each tube are spaced at approximately 500 feet intervals. The vent area is doubled at the approach end of each platform to reduce the high air velocity.

ties that would be created by incoming trains.

Where the depth of the tunnels near the Chicago River is so great as to make the cost of shafts prohibitive large exhaust fans are installed for continuous operation. Midway between stations exhaust fans are located for emergency use only. At the downtown stations the natural piston action will be augmented by exhaust fans connected to ducts located under the platform providing for an air change every ten minutes.

Drainage will be pumped from the subway to the city sewers at small stations located at low points along the routes. Normal sources of water will be rainfall entering through the stairwells, ventilating gratings and end portals and a very small amount of infiltration. Emergency quantities may arise from flooded streets caused by fire equipment or a broken water main.

Emergency exits with stairs to a trap door at sidewalk level will be spaced so that it will not be necessary for passengers to walk more than a city block to either an exit or platform in case it is necessary to leave the cars for any reason. A continuous emergency walkway along one side of each tube serves also as a duct bench for electrical conduits.

The mezzanine stations, platforms and tubes will be well lighted throughout and extensive use will be made of fluorescent lighting.

CONSTRUCTION

The horseshoe shaped tunnels outside of the central business district comprising approximately 75 percent of the total length of tunnels were excavated by hand methods using I-beam ribs and steel plates for support



A curve on a section of subway built with shield

of the earth during construction. The work was done under air pressure of ten to fifteen pounds per square inch, and the concrete arch was placed as construction methods would allow. The earth was loosened by power knives, hand knives or air spades according to the consistency of the earth, but the greater proportion was loosened by power knives motivated by cables and air hoists. Mining was carried out with a series of benches or levels, allowing efficient working space for many men in each heading.

The work generally progressed in a 48-hour cycle of which 32 hours were devoted to mining and 16 hours to concreting. In places where the earth was of softer quality, it was thought desirable to introduce a variation in the schedule by concreting the invert every 24 hours to provide more positive horizontal bracing between the bases of the primary lining ribs. Concrete arches were placed at 48-hour intervals in all cases.

As the hand mining progressed on contracts in the outlying areas it became more and more evident that this method would not be suitable in the central district. The shield method of



Bench mining operation for the twin tube section

mining was adopted for this portion for the following reasons:

1. The uncertainty of holding 10 to 15 pounds air pressure in areas where there is a maze of underground utilities, as well as numerous structures, such as sub-basements that extend as much as 40 feet below the street surface.

2. Higher water content of the clay lowered the reasonable and safe bearing values of the soil for carrying the steel lining and the loads it had to support and made a full circular steel lining desirable.

3. The probability that the lighter steel lining permissible in the hand mining method would not withstand the pressures during the intervals between concreting, especially if the air pressure should be lost or lowered.

4. Ground pressures from the superimposed load of tall buildings on spread footings would require a heavier lining than could conveniently be handled by hand.

5. Progress would be handicapped using the hand mining method because the certainty of soil movements at the face would require an elaborate system of bracing. Furthermore, the hazard of losing a heading with consequent loss of life and property damage would be present at all times.

The shield design was similar to others used in the past, two of them being required on each route. Each shield was 24'-10½" inside diameter, 19'-6" long, weighing 225 tons and was equipped with 24 hydraulic jacks, each of which had a shoving capacity of 200 tons at 5,000 lbs pressure. The actual pressures required were much less.

As the shields moved forward the clay squeezed from the cutting edge into the working compartments through ports, the area of which was from 5 to 20 percent of the total face area. Heaving or sinking of the street level could be controlled by varying the area of the ports.

The ease of operation and control of the shields was remarkable. The maximum variation was well within the allowable tolerance and the average deviation was approximately one inch. Progress on all shield operations averaged 26 feet per 24 hours.

The portals, short sections adjacent to each of them, two cross-overs, the mezzanine stations and auxiliary structures were built in open cut. Near the south end of the State Street Route where the clay is very soft and wet, continuous heavy sheet piling was specified. In other locations steel H-piles about four feet on centers with horizontal wood laggings proved sufficient. In all cases heavy braces and struts were necessary. Timber struts were usually pre-stressed to forestall the development of a squeeze of serious

proportions. The circular portions of the ventilating shafts were built by the caisson method, a safe, fast and economical procedure which allowed the use of steel rings and vertical wood lagging. A relatively short undercut was required to connect the bottoms of the shafts to the side of the tunnel.

Three different types of concrete mixing plants were used:

1. Paving mixer on street surface discharging through a vertical pipe equipped with a hopper and an air-lock. From this the concrete was deposited into either a pumpcrete machine or a pneumatic placer.

2. Paving mixer on surface discharging by means of an inclined boom and bucket into a pumpcrete machine, also on the surface, from which the concrete was pumped direct into the forms.

3. A central mixing plant from which the concrete was hauled by truck to pumpcrete machines in the street and delivered from there direct to the forms.

It was found that about 1000 feet of pipe was the limit for pumping. Conditions under which concrete had to be placed in various parts of the tubes under compressed air were unfavorable at best, requiring the use of high pressure air in the pipe at times as well as vibrators. Both internal and external vibrators were used as well as air jets. The air jets served well in moving the concrete without appreciable segregation. In the arches, air jets operated by men inside the forms were much more effective than external vibrators in keeping concrete moving on the forms.

Pipe sleeves were built into the concrete lining and used for grouting voids inadvertently left between the



Rear view of the shield in operation

concrete lining and the steel lining. The grouting operations were supervised carefully and the results were fully satisfactory as revealed by cores taken from the finished lining.

OPERATION

As another step in the modernization of its transit system the city is working towards the solution of the problem of unification of all of its transportation companies into a single owner-operating agency. This unified transit company will operate all forms of local transportation within the city and lease the subways for operation of part of its rapid transit system.

The subway is being designed and the construction supervised by the Department of Subways and Superhighways of which Philip Harrington is Commissioner and Ralph H. Burke is Chief Subway Engineer.

Plans are being reviewed by a P. W. A. Commission composed of Col. H. M. Waite, H. M. Brickerhoff and Joshua D'Esposito who is also serving as Resident Project Engineer.

Regional Meeting No. One

Washington, D. C.

The write-up of this conference got in the wrong pile last fall and was not discovered in time to be included in the Fall GEAR. Our apologies to the eastern chapters.—Editors.

The Eastern Regional Conference of Theta Tau, which was held at Hotel 2400, Washington, D. C., October 12, 1940, included representatives from Theta, Rho, Tau, Pi, and the host, Gamma Beta.

The conference got under way with a luncheon at the hotel which was followed by individual meetings for chapter advisers, scribes and treasurers, regents and vice-regents. Later in the afternoon, an honorary initiation was performed for Frederick M. Feiker, Dean of the College of Engineering, George Washington University.

Among the most distinguished guests at the conference were Professor Donald Curtis, Grand Marshal, of Clemson College and Professor Hinckley, chapter adviser of Theta Chapter. The absence of Brother Norman B. Ames, Grand Innkeeper Guard was very conspicuous throughout the conference due to the fact that he was called to active duty in the Army Air Corps.

After the initiation, all adjourned to the Banquet Hall to enjoy a dinner. At this time, newly initiated Brother

Feiker made a speech. Many of the Gamma Beta boys, knowing their Dean, had a suspicion that several of his jokes were those his daughter had brought home and passed along.

The climax of the conference was a dance at which everyone "let down his hair" and lived up to the tradition of Theta Tau. The highlight of the dance was a Paul Jones headed by Brother Gus Millard who is working away from Washington and surprised everyone by his presence at the conference.

It was very evident that the National Capital Alumni Association is active by their large representation at the conference banquet and dance.

At the dance it was noted that Brother "Wolf" Watson had at last been conquered! His "true love" persuaded him to leave the dance at an early hour. Watch out "Wolf" she has you where she wants you. It will also be remembered by those who went to the Hot Shoppe after the dance that Brother Ritter was enjoying himself to the fullest, if you get what we mean.

* * *

Two particularly fine papers were given at the meeting which, because of their general interest, are reproduced in the following pages.

Extent of Supervision Desirable on the Part of Chapter Advisers

by E. F. Berry, Tau '13

Before entering upon a discussion of the topic which has been assigned to me by the Grand Regent, I wish to avail myself of the opportunity to

congratulate the Executive Council of Theta Tau for their excellent judgment and foresight in providing for this, and the other, regional confer-

ences. Such meetings are bound to lead to a better understanding between the various chapters involved, and to a much closer relationship between the chapters and the Executive Council.

As a result of some twenty-five years' experience with numerous student groups, I hold strongly to the thesis that the fraternity adviser who imposes himself most lightly on that student group, serves it the most beneficially and wisely. I have observed many instances where fraternity advisers, holding themselves to be much more experienced and wiser than the student members, have so dominated the deliberations of the group that the students had little, or no, real voice in the conduct of its affairs. Such men fail completely to grasp the meaning of the word "adviser". Instead, they come to think of themselves as a "dictator", and act the part.

In a great many instances, the chapter advisers in Theta Tau are teachers in the institution where the chapter is located. This condition is so common that many of us use the term "faculty adviser" when we refer to them. I catch myself using the phrase, but despite that fact, *I do not like it*. It carries into the activities of the chapter the suggestion of the classroom and its restraints. It would seem much better psychology to use the term "chapter adviser" whether the adviser is a faculty man or not. And right here I would like to say that there are many good reasons why the chapter adviser should not be a teacher, or an employer, of any member of the group.

Every chapter adviser knows that his presence at a chapter meeting tends to put a damper on the spontaneity of the student participation. Whether this restraint is greater when the ad-

viser is an instructor of the students present, only the students themselves can say. I recall with no little degree of pleasure a meeting of Tau Chapter that was held in a classroom across the hall from my office a few years ago. The chief topic of discussion was a proposed social affair which I, as the chapter adviser, had tried to discourage. I happened to be in my office but, although I had made no effort to conceal the fact, it soon became apparent that I was believed to be miles away. It was truly heart warming to hear some of the brothers loyally support my views on the subject under discussion, but somehow, I found myself mentally cherring for others who criticized me frankly and roundly for an unsympathetic obstructionist. Such a healthy discussion could never have been had if the chapter adviser had been present.

I do not wish any one to get the impression from what I have just said that I feel that a chapter adviser should habitually absent himself from the meetings of the fraternity. I do feel, however, that when he attends a meeting he should figuratively sit on the side lines and participate in the deliberation only as a friendly counselor. He should consider himself the fraternity balance wheel, using his greater experience and knowledge to guide the proceedings, and not as a heavily armored tank quite capable of forcing his opinions upon his less experienced brothers.

If some chapter advisers are guilty occasionally of making themselves more or less obnoxious to the chapter, it must be admitted that there are also occasions when the chapter, or one of the officers, becomes obsessed with ideas of importance and power which are in no way warranted. If,

in such cases as this, the recalcitrants are not held in check they may do things which are highly reprehensible or even downright injurious to the fraternity or the institution in which it is installed. Here is a situation which calls for tact and firmness on the part of the adviser. If necessary, he must be prepared to call in the representatives of the Executive Council for consultation and advise.

When questions involving university policies or rules arise, or when it becomes necessary to deal with university officials, a good chapter adviser may prove to be invaluable. Indeed, in such cases as these, there can be no question but that an adviser who is on the faculty will have the edge on the layman.

The chapter adviser must be the watch dog of the chapter treasury. He must guard against these waves of enthusiasm which occasionally sweep through student groups and prompt them to go completely overboard for some project which has caught their fancy. At the same time, he must not lose sight of the fact that the chapter members are bringing in the funds, and, in all fairness, ought to have considerable to say as to how they are to be disbursed.

It is the duty of the chapter adviser to see that no candidate is initiated until all of his fees have been paid. At Tau Chapter this has occasionally been a source of friction between the adviser and the officers, but in almost every case we have found that those desirable prospects who claimed that they could not possibly raise the initiation fee, have done so when they found that they could not get in any other way. The chapter adviser should urge the officers to collect old debts,

and he should help them to do so. In order to assist in this important phase of chapter activities, I keep on my desk a list of delinquent alumni. When any of these men return to the campus, and trustingly call upon me, I bring up the matter as diplomatically as possible, and ask them what we may expect. This may seriously endanger my popularity but, nevertheless, I frequently get a check.

Since the chapter adviser is very familiar with the chapter affairs, he can make himself useful to the incoming officers each year. These men assume their new duties with little, or no, conception of what is expected of them, and, as a result, many difficult and embarrassing situations may, and do, arise. At Tau Chapter we have a loose-leaf memorandum book which contains dated weekly suggestions for the officers. Ten minutes spent with this book every Monday will serve to keep the Regent posted on all that is expected of him and his staff for the week. This book, although extremely helpful, is not absolutely infallible. A chapter adviser must constantly urge the officers to be prompt with their answers to letters, and to submit all their reports on time.

One could search a long time before he would find a more beautiful and inspiring ritual than that employed by Theta Tau. Yet, I have seen it given under conditions which were marked by ludicrous incongruity. It is the duty of every chapter adviser to see that each officer carefully rehearses his part of the ritual so that there will be no hesitating over or mispronouncing of strange words. Candidates should not be allowed to stand on the sides of their feet or with their hands in their pockets. A Theta Tau initiation

is meant to be an impressive ceremony. Every chapter adviser should see that it is.

There is always the possibility that departmental jealousies and partizanship may insinuate themselves into a fraternity which draws its members from a college which is organized on a departmental basis. If students from one department get the idea that they only are entitled to hold all the offices, every effort should be made to root out such an unfair misconception of the aims of the fraternity at once. Such a state of affairs is not necessarily vicious. It is much more liable to be due to over stimulated enthusiasm and a misguided sense of loyalty. It can be controlled usually by appealing to the sense of fairness of the chapter members involved. An alert chapter adviser will unobtrusively foster a desire for ethical conduct and friendliness among the brothers. He will also

try to create and maintain a healthy interest on the part of the alumni as well as the active members of the chapter.

Perhaps it is not entirely outside the province of a chapter adviser's duties to assist the graduating members of a chapter of Theta Tau in securing a satisfactory position. The chapter adviser is usually a man who has many friendships and numerous business contacts, and he may be able to place a member of the chapter in a very desirable location. In order to expand this idea, every chapter adviser should see that his group compiles data on all the graduates. These alumni records should be kept up to date, and as the graduates progress to positions of greater and greater influence they may be able to employ many of their chapter brothers to the decided advantage of both.

What Can a Chapter Do to Make Its Existence Beneficial to the Campus?

by A. D. Hinckley, Theta '27

For the purpose of this discussion, it may be helpful to define (1) "Campus" as the student body of a college along with the related faculty and other equipment necessary to the educational process, and (2) "Chapter" as a group of students from among the student body at large on the campus.

To consider the question of being "beneficial to", or of aid to the campus, it should first be asked, what are the purposes of the college, to which chapter support may be given. A college attempts to encourage the process of educational and personal development in young people. To do this

properly, the college must select from among the applicants for admission, those best qualified to develop effectively in the circumstances of the college. In addition, the college must have, along with the student, fairly definite objective standards for achievement in personal and educational development.

Such objectives and standards are not published in the college paper, are not a matter of conversation, but are embodied in a morale, a certain "tone" of the campus. A sort of unwritten law, it can only be "sensed" and usually is roughly expressed as a "high" standard—academic and ethical, etc.

The chapter, therefore, facing this problem as engineers should, does not have a problem which can be accurately gauged,—for which there is a ready single solution.

A digression for the moment may be in point. It may well be asked: These students who constitute the chapters—could they not, unassociated, benefit the campus, acting as individuals? Of course they could—being the kind of fellows they are, they will by their natures undertake worthwhile college duties,—they will be leaders, they will “manage things”, and it is the evidence of these characteristics which wins them admission to the chapters. The question then is, what greater benefit derives to the college by the association of these men together, and in what manner is the aid affected.

The association of a group of engineering students brings to its members a realization of their membership in a group which is much larger than any campus—the engineering profession. That inward realization is to a large degree responsible for directing the chapter toward the objective which they, in co-operation with the college, are attempting to reach. The engineering profession, with its high standards of ethical conduct, its real respect for knowledge and the applications to human needs, sets the background for the things which a group of students as a chapter can do.

As individuals, this means that the chapter members will do a real job on any campus activity in which they engage. This means that their individual conduct in educational matters will be 100% honest. This means that their social and personal manner of living will be of a manner to indicate good judgment.

Such a group of individuals, perhaps

resident in the chapter house, perhaps meeting only for chapter sessions, or in small groups,—such a chapter will for itself establish a high plane of group performance. In the conduct of its house, the finances, its meetings, and in its social affairs, it will set a standard which represents the high level of performance of the individual members. This way of doing of the chapters becomes a guide to the individuals in the group, and without words, the right way of doing is sensed.

One has only to notice the superficial example of a house front which has been cleaned. It is not long before the houses adjoining right and left are being similarly cleaned.

The many ways in which a chapter can demonstrate or exercise its high standards could be discussed indefinitely. May I give but a few that come readily to mind:

1. Active and helpful co-operation in the Inter-Fraternity Council.
2. Active chapter teams in the intramural games.
3. Active co-operation with the college faculties in college projects, such as Engineers' Day.
4. Development of any service to the college which may be undertaken within the limitations of the time and energy of the chapter, such as a lending library for students in need of books, counsel service to freshmen, guidance service to high school students —
and many more.

Although these things in themselves may be of direct benefit to the college, the influence of much greater importance is that exercised in setting for the whole campus, a tone, a morale, a way of doing, which brings us all closer to full membership in our profession.

Regional Meeting No. Four

Salt Lake City, Utah

Salt Lake City was the scene of Regional Conference IV, November 9-10, 1940, with Lambda chapter as host to Gamma, Omega, Chi, and Psi. National officers at the conference were Grand Regent Glass and Grand Scribe Schrader, while representatives of alumni associations were Robert L. Houston, Chi '31, Southwestern Alumni Association; and C. Milton Anderson, Lambda '20, Intermountain Alumni Association.

Chapter representation was, Gamma 3; Omega 5; Chi 3; Psi 16. Epsilon chapter, although included in this region, was unable to attend.

Omega chapter, finding it impossible to attend the Iowa City regional meeting as planned, journeyed to Salt Lake City and enlivened the gathering there. Their account of "doings" during the two-day meeting gives the low-down, not only on fraternity procedure, but also on the delegates—and who doesn't lend an ear to that!

"After finding it impossible to attend the regional meeting at Iowa City

earlier in the fall, five Brothers of Omega Chapter journeyed to Salt Lake City where Lambda Chapter was host for the meeting.

"The only amusement on the long cross country jaunt was the basso profundo voice of Brother Simpson and that mickey mouse tenor, Brother Gamberg.

"Registration for the meeting was held on the campus of the University of Utah. After viewing the campus and the new mining building at the University we proceeded on an all day field trip to the Arthur copper concentrator of the Utah Copper Co. Alumni Theta Taus at the plant conducted the several parties through the entire plant.

"The group then traveled to the Brigham Canyon Copper Mine where the chief geologist gave an excellent description of the operations of the mine and geology of the territory. Here the party was fortunate to view the blasting operations of the mine.

"Saturday night in Salt Lake proved



Anderson, Grand Regent Glass, Woolf

to be very interesting socially for the members from all the chapters and very educational for B-others Simpson and Nelson in their after dark escapade.

Sunday morning the meeting was called to order by the Regent of Lambda chapter who introduced the representatives of the Executive Council, Grand Regent Glass and Grand Scribe Schrader. After a short meeting the group was divided into two sections where the different problems of the fraternity were discussed.

After lunch the entire group met to discuss general problems of the

fraternity. The officers of Lambda chapter then conducted a formal initiation of one new member into Theta Tau.

The Intermountain Alumni Association sponsored a banquet to conclude the meeting. After several short but interesting speeches were given, several reels of moving pictures were shown. The meeting was then brought to a close.

The Mines delegation left Salt Lake City that evening and arrived in Rapid City the following night, tired, but feeling it had been a trip well worth the time and effort.

National Interfraternity Conference Has Largest Meeting

Outstanding in the 32 years of its history was the 1940 meeting of the National Interfraternity Conference at the Hotel Commodore, New York City, November 28-30. The dinner program, at which Wendell L. Willkie was the guest speaker, was enjoyed by 3600, the largest assembly of fraternity men in history. For the first time in the existence of the conference every fraternity eligible for membership was included in its roll of sixty.

The National Interfraternity Conference restricted the expansion of its members to four-year educational institutions accredited by one of the established regional associations. Delegates voted to offer its services to the national defense program. For the second time in history, the chairman was re-elected, L. G. Balfour being given that distinction. The single resolution of the conference felicitated him upon the great success of the dinner and thanked him for his unremit-

ting efforts "to organize and carry through that very unusual tribute to the fraternity as a college adjunct."

It was a thrilling moment, Friday evening, when Reinald Werrenrath, Metropolitan Opera baritone, started to sing "The Star Spangled Banner," for the lights in the huge ballroom dimmed and spotlights played upon flags above the speakers' table. Then came the impressive invocation of the Rev. Paul R. Hickok.

Presiding at the dinner was Dr. Harry S. Rogers, president of Brooklyn Polytechnic Institute. Included in his remarks was the following statement of aims of the college fraternity:

"Fraternities stand for the achievement of high scholarship, the attainment of liberal culture, the cultivation of upright character, the development of social competency, and the practice of wholesome fellowship by each and every one of their members. I know of no greater, no finer opportunity for

any young man than that which is offered by membership in a strong fraternity chapter in a vigorous college. While the college disciplines his talents, the fraternity disciplines his temperament. The complementary nature of the college and fraternity programs should give him a rich and full experience and development."

He introduced Lowell Thomas, who proved as effective a toastmaster as he is a news commentator.

A four-foot bronze statue, the work of a well-known French sculptor, was presented to the National Interfraternity Conference as the gift of an unnamed "friend of fraternities" by Dr. Dixon Ryan Fox, president of Union College. This is to be awarded annually for temporary possession to the undergraduate "interfraternity council which during the year has been outstanding in the formation and execution of a program to make fraternities on its campus contribute constructively to the educational and social program of its institution."

In presenting the award Dr. Fox said:

"The college fraternity is one of the soundest and most effective in-

struments we have in the training of good citizens. It is a training school in the art of living together. The technique of broad and generous friendship is not learned out of books, nor from professors. I know of no place where it is so likely to be well learned as in the fraternity house.

"The allegiance to the interfraternity council idea represents an attitude that alone can make this a peaceful and steadily progressive world.

"Interfraternity councils in American colleges are not going to save the world, but they represent the principle and the technique that will save the world. They must build their authority by the practical reasonableness of their resolutions and their prestige by their useful community service."

Interfraternity councils seeking the trophy are to submit their year's record and program before March 1 to the secretary of the National Interfraternity Conference, whose Executive Committee will make the award at the annual conference dinner. The statue will be placed in some suitable campus building for the year it is held by a particular council.

—The Unicorn of Theta Xi

New Baird's Manual of American College Fraternities

The Baird's Manual is the standard reference book of American College fraternities. It contains a brief history of every fraternity in the country including their chapter roll, membership statistics, reproduction of their badge and pledge button, and much other interesting and valuable data. Each chapter of Theta Tau, whose library does not already include a copy of Baird's Manual, is urged to secure one for its chapter use. It is a book which every chapter should

have as it will be a great aid to officers and fraternity workers in acquainting themselves with data pertaining to the history and development of the fraternity system.

The latest edition of Baird's Manual only recently has been released and 293 national college fraternities and societies, for both men and women, are listed. The Manual may be secured through The Collegiate Press, George Banta Publishing Company, Menasha, Wisconsin.

W. C. McNown Builds with "Mud"

Chapters without sufficient financial means for houses please take particular note!

The School of Engineering and Architecture, University of Kansas, will be greatly enhanced in the near future with the completion of a new research laboratory. In addition to its function of housing industrial research problems, the building itself



W. C. McNown

constitutes a development problem in low-cost housing. It will be constructed of the improved soil-cement building blocks developed by Brother W. C. McNown, Hon. Z '03, Professor and Head of the Department of Civil Engineering. The chief material in the walls will be EARTH, stabilized with a small quantity of portland cement.

The methods for processing the stabilized earth building blocks have

been developed as the result of two years' research by Professor McNown. The chief problem has been to discover the proper proportioning of materials, and the correct amount of stabilizer to be used in this project is portland cement. Brother McNown's recipe for an earth building consists approximately of one-sixth clay, one-sixth silt, and the balance graded sand. Such soils are available near Lawrence and will be used in the construction of the new laboratory.

The present project was started two years ago in collaboration with Haskell Indian Institute. Mr. James A. Davis, vocational instructor in that school, was working on stabilized earth building blocks. Mr. Davis had built a hydraulic press for making the blocks and came to Brother McNown for a stabilization formula using asphalt as the stabilizer. Wide experimentation by Professor McNown resulted in suitable methods and details. After the correct proportion of the ingredients is determined, including the amount of water giving the greatest density, the blocks are moulded, either by hand ramming or in a press. Blocks for the new laboratory will be made by hand.

The relative cost of construction, for materials alone, is about *six to ten cents per cubic foot for the stabilized earth blocks* as compared to fifteen to twenty-five cents per cubic foot for standard concrete blocks.

Inasmuch as soil—which is the principal ingredient of these blocks—may come from the premises of the owner or from the immediate vicinity, the materials cost is extremely low, consisting of the labor expended in securing the soil, the materials for the



The new research laboratory to be constructed of stabilized earth

mixture, and a few cents per cubic foot for the stabilizer. There is the possibility that this new development may have a revolutionary effect on costs in the small-building industry. There has been an insistent demand for some improvement in plain rammed-earth, or adobe, blocks, so as to provide a material for the construction of walls which can be derived chiefly from earth and yet will be suitable for use in the more humid regions. The material which has been developed for the new laboratory appears to have excellent possibilities, because of its superior resistance to weathering and its excellent structural properties.

The new research laboratory will be one story in height. The floor plan

shows seven research laboratories, an office, a reception room, and the KFKU broadcast studio layout. The technical arrangement of the studio will be planned by the Department of Electrical Engineering. In general the suite will consist of one large studio, 22 x 32 feet, for use by large organizations such as glee clubs, and a smaller studio for speech and solo presentations. The control room will be between the two studios, with direct vision into both, in accordance with the most modern arrangements. Plate glass windows between the reception room and the large studio will provide excellent audition facilities. To complete the plan, there will be a commodious office for the program director.

Templin Engineers a Three Million Pound Squeezer

Any roll call of the long list of eminent graduates of the School of Engineering and Architecture of the University of Kansas would be incomplete without the name of R. L. Templin, Zeta '15, Chief Engineer of Tests for the Aluminum Company of America. "Dick" Templin was graduated in 1915 with the degree of B.S. in C.E. A few years after graduation he entered the field of materials testing and commenced the steady, deter-

mined climb which has brought him to the top of the ladder in his chosen specialty. Mr. Templin is conceded to be one of the country's foremost engineers in this highly important branch of the profession, and he has been the recipient of several national honors for his contributions to scientific research.

Templin's particular pet and pride is a three-million-pound materials testing machine which he has installed

recently in his laboratory at New Kensington, Pennsylvania. This is a giant instrument, one of the most powerful in the world. It can exert a pressure of three million pounds, at an unprecedented rate of speed, and yet the controlling mechanism is so sensitive and the machine so responsive that it can crack an egg and hatch the chick as delicately and safely as the youngster could do it

himself in the customary manner.

The new machine incorporates so many of Mr. Templin's own ideas that the manufacturing company refers to it as the "Templin Tester." The Templin Tester was the subject of an article in the March 25, 1940 issue of "Life". Templin is also the inventor of an excellent automatic stress-strain recorder and various other lesser gadgets used in the testing of materials.

Father and Son

At the fall initiation, 1940, of Nu Chapter, Theta Tau, Dr. Webster N. Jones, Director of the College of Engineering of the Carnegie Institute of Technology, was initiated as an honorary member and his son, Webster N. Jones, Jr., as an active member. This unusual combination of father and son deserves special notice in *THE GEAR*. It is a continuation of the comradeship that exists between Dr. Jones and

his son and which now takes the form of brotherhood.

Nu Chapter has no more loyal advocate than Dr. Jones. He has encouraged the Chapter and inspired it. He is responsible for the establishment at Carnegie Tech of the committee that selects the most promising senior engineer. His annual lecture to the Chapter is an outstanding event in its life.



Webster N. Jones



Webster N. Jones, Jr.

Dr. Jones has been Director of the College of Engineering at Carnegie Tech since 1932. Before that time he was associated with the B. F. Goodrich Company. He says he is an expert golfer, being "lefty" champion of the Carnegie Tech faculty. Fishing is his relaxation, and he enjoys an enviable reputation in post-mortems. He will challenge anybody to a quick game of chess and will be a fourth at bridge, bidding four or five on anything. It is obvious that he was Theta Tau material long before his initiation. His special hobby, however, is young men. His office is open to them at any time, and their problems are his problems.

This is especially true in his relations with his son, Webster, Jr. Webster is pursuing his undergraduate career at Harvard University and Carnegie Tech. His father is immensely proud of Webster's achievements and of the regularity with which Webster's name appears on the honor roll. Webster's extra-curricular activities include a great deal of skiing and bridge. He claims to be able to outmaneuver his father at tennis, which in itself is quite an accomplishment.

Nu Chapter is to be congratulated on its acquisition of two such fine members—men whose ideals and ambitions will be a reflection of and an inspiration to the ideals of Theta Tau.

—Leo T. Lawler, Chapter Adviser

Honor Man Packs a Wallop

Did you ever tangle with a 120 lb wildcat? We can't furnish you one, but we can recommend a couple rounds with 120 lb Jack Roland, Tau '42, and can guarantee you that you would experience much the same results, should you have a hankering for such a battle.

Jack is Eastern Intercollegiate boxing champ and rated as one of the most clever boxers in the E. I. B. A. However, boxing isn't his only achievement—he is president of the junior class and Engineers' Club, and on the side manages to be listed as an honor student in Civil Engineering. What a man!



Jack Roland, Tau '42

Twenty-five Years Behind Iota

The boys of Iota turned back the calendar and looked over what had been done in the last twenty-five years at Iota on February 1st. Not only were they thrilled by some of the stories told by Dr. Mann of the olden days, but they also had a brilliant future to look forward to as presented by Grand Regent Glass. Dr. Mann gave an account of the founding of the chapter and an outline of its progress with comments on the past regents of Iota chapter. Grand Vice-Regent Nusser gave a word of congratulation and introduced Brother Glass who warned of the dangers of chapter weakness which might result from the war and advised special effort being made to keep the chapter at full strength. He told of other chapter activities and gave many valuable examples of what to do and what not to do.

During the afternoon a smoker and cards were enjoyed at the house by the members who then adjourned for the banquet and the program that followed.

Besides the above mentioned guests, Brother Moody, a past regent from St. Louis was present. Many alumni sent letters and telegrams in honor of the occasion. One of the most valued received was that from Brother James L. Head who is number one man on the chapter roll, and who was the first regent of Iota.

"I regret exceedingly that I am not going to be able to be with you on Saturday at the celebration of the twenty-fifth anniversary of the founding of Iota Chapter. It is very thoughtful of you to extend so kind an invitation and I do appreciate it very much.

"While my work and travels since

graduation have not permitted more than the most casual contact with the chapter, I believe that I have followed its growth and progress more closely than you might suspect. It is an increasing source of satisfaction to realize that I was one of the founders of an organization which I know has continued to play a leading part on the campus.

"You have asked me to say something about the founding of Iota. As you know, Robert J. Anderson and E. Rose Householder, two stray Theta Taus from Delta Chapter were the instigators of the idea of a chapter at Rolla. Gunnard E. Johnson, James J. Dowd, Louis W. Ehlers, James A. Morely, Robert S. Burg, William H. McCartney, Fred Groets, Carl G. Stifel, and myself, of the class of '16, and Francis H. Beib, of the class of '18, were invited to petition the national organization. The charter was granted at the fourth bi-annual convention of the fraternity at Cleveland, Ohio, December 27-31, 1913, and on February 5, 1916, Iota Chapter came into being. For no particular reason, I was the number one initiate and was made the chapter's first Regent. The installation was reported in the *Missouri Miner* of February 11, 1916, an extra copy of which I have found in some old files and now take pleasure in enclosing herewith.

"On March 25, 1916, we initiated Bernard W. Adams, Colwell A. Pierce, and Louis A. Turnbull of the Class of '16, and John H. G. Reilly, Martin F. Bowles, Theodore C. Gerber, Joseph C. Barton, Harold T. Herivel, and Harry A. Ambler of the Class of '17.

"Coming as the installation did in the last term of our senior year, the



Dr. C. V. Mann, Grand Vice-Regent Nasser, Iota's Regent Hardine, Grand Regent Glass, and past Regent of Iota D. L. Moudie

active chapter life of the dozen of us who were members of that year's graduating class was regrettably short. Nevertheless, the foundation had been laid and the recent initiates whom we left behind formed the nucleus of a group which was able to carry on. How well they and their successors did so is best exemplified by the fact that you are now celebrating this

twenty-fifth anniversary of the founding.

"Will you please accept and extend to each and every member of the chapter and to those alumni present with you, my sincere good wishes for a successful celebration and for an even greater success for Theta Tau at Missouri School of Mines.

Fraternally yours,
James L. Head"

W. O. Vanderburg Leaves for New Field of Work

William O. Vanderburg, Beta '23, for the past twelve years senior mining engineer of the Reno station of the United States Bureau of Mines, and for the past two years engaged exclusively in examination work under the strategic minerals act, has been detailed by the United States Bureau for "important work for which he is specially fitted" to the Peruvian government.

Bill was scheduled to leave for Peru on December 1, 1940, but the boat on which he was scheduled to sail was grounded in Florida on its way to San Francisco. He and Mrs. Vanderburg and the children embarked for Lima on February 15.

There is probably no other engineer

who has a wider acquaintance or who is more popular with the miners and prospectors of the state of Nevada than is Brother Vanderburg. He has prepared bulletins covering most of the mineral showings of almost every county and district, as well as of parts of adjacent states. Although he was loathe to leave Nevada, he said the inducements were such that he could not refuse. Vanderburg's contract with the government of Peru is for three years but it is quite probable that his stay in that country will be prolonged. A little later his field will probably be extended to Bolivia, Argentina, Chile, and other South American republics.

J. J. Jakosky, Zeta '20, Dean at K. U.

Last year the University of Kansas was scanning the horizon in search of a new Dean. A certain engineer, president of a large engineering corporation, was convinced that engineering students should have social development as well as technological training. Thus it was that Kansas University and John J. Jakosky, Z '20,



J. J. Jakosky

became associates. And a successful association it has become, for during the few months that Dr. Jakosky has been Dean of the College of Engineering at Lawrence he has won the hearts of students, faculty, and many public officials with his friendliness and genial personality.

Brother Jakosky is chock full of fine ideas and already his strong belief that engineers should have social development along with their technical training is being given practical ap-

plication at the University this year by the offering of a course in industrial administration. With our ear to the ground, we hear that this course has developed into one of the most popular in the engineering school. Also, a course in geophysical prospecting, taught by the Dean himself, was begun this year, which means that Kansas U. engineers are in on the ground floor because Jakosky is an authority along this line. Only recently he published an 800 page book entitled "Exploration Geophysics." It is recognized as the latest and most up-to-date source of authoritative information on the subject. The book has been adopted by five leading universities as a text.

A native of Oklahoma, Brother Jakosky graduated from the University of Kansas with a B.S. in M.E. in 1920. While a student, he had each of ten fingers in some sort of activity; he was assistant editor of the "Kansas Engineer", secretary-treasurer of the Engineering School, member of Men's Student Council, chairman of ASME, a member of Delta Upsilon, Sigma Xi, Tau Beta Pi, and Theta Tau. Graduation to him meant digging right after additional degrees—B.S. degree in Electrical Engr. from University of Pittsburgh in 1925; professional degree in M.E. from Kansas U. in 1926; Ph.D. in 1933 from Univ. of Arizona. During the time that he was acquiring his advanced knowledge, Jakosky also directed important research and development projects for U. S. Bureau of Mines and Western Precipitation Co. Aside from all the work these degrees and jobs required, this human dynamo found sufficient time to serve as President and Director of research of Elec-

troblacks, Inc. and President of International Geophysics, Inc., to write many articles for technical publications, to secure more than 100 U. S. and foreign patents, to lecture, and to be active in the American Institute of Mining Engrs.

During the World War, Dean Jakosky was commissioned a lieutenant in the U. S. Army and engaged in liaison and signal work. While in the service, and later, he conducted important investigations in radio and subsurface signalling methods and experimented in signal transmission through the earth.

Dr. Jakosky is married and has one son of high school age who, if he is

to follow in his dad's footsteps, will have to develop a mighty long stride.

"The students of the Engineering School of K. U. are fortunate to have a man equipped not only with the knowledge necessary to fill the position of dean but also with the experience of a practical engineer so helpful in developing the younger men of his school into better engineers. Dean Jakosky's university days at K. U., Carnegie Institute, Univ. of Pittsburgh and the Univ. of Arizona have acquainted him with methods at these universities. Many improvements, both large and small, may result from his experience."

John R. Suman President of A.I.M.E.

John R. Suman, Epsilon '12, and Wendell Wilkie have a couple of points in common. Both are natives of Indiana, and both were nominated as a candidate for a presidency in 1940 but here Brother Suman came "one up" on Wilkie—Suman was elected to his post, that of president of A.I.M.E. for 1941.

John migrated to Los Angeles while still a boy, completed high school there, spent two years at the University of Southern California and then went up to Berkeley for two years in the College of Mining at the University of California. There he graduated with honors in 1912 and, incidentally, was a member of Tau Beta Pi.

His professional experience really began in the summer of 1909 when he was employed on the Los Angeles Aqueduct. The following two summers he worked in the engineer's office of the City of Pomona and as assistant assayer and surveyor for the Yellow



John R. Suman

Aster Mining & Milling Company at Randsburg.

Immediately after graduation, however, Brother Suman stepped into the

oil business where he has stayed ever since.

In 1917 he left his first employer, the Rio Bravo Oil Company of Houston, for two years during which time he was technical superintendent of Texas and Louisiana operations for the Roxana Petroleum Corporation. When he returned to his former employer it was in the capacity of assistant to the Vice-President and General Manager, a position that was held for six years, whereupon he assumed those titles for himself.

Brother Suman's connection with the Humble Oil and Refining Company, which still continues, began in 1927 when he was made a director of the Company. In 1933 he was made vice-president in charge of production and has been in a large part responsible for the aggressive development of the company.

He knows how to work, as his record indicates, but also he understands that art of delegating jobs to others and commanding their loyalty and their best efforts.

H. L. Solberg, Phi '21, Heads M.E. Department at Purdue

The appointment of Harry L. Solberg, Phi '21, as the successor to Professor G. A. Young, the deeply respected Head of the School of Mechanical Engineering for many years, was announced by the Board of Trustees of Purdue University on January 18, 1941. The announcement of Professor Solberg's appointment to the highest administrative position in the largest of all engineering schools at Purdue University is gratifying news to all Phi Chapter men and to many students more recently graduated from the School of Mechanical Engineering.

A native of Brookings, South Dakota, Harry Solberg was graduated from Purdue University in 1921, and received his Master of Science degree in mechanical engineering from the same institution in 1923. He has been associated with the university continuously since that time, serving first for a period of one year as technical engineer in the operation of Purdue's then new power plant.

Widely recognized as an authority on fuels and combustion, and on power plant operating economies, Professor Solberg has contributed much valuable material toward the improvement of design and the bettering of plant efficiencies in small-capacity generating stations. With his colleagues, A. A. Potter, Dean of Engineering, and G. A. Hawkins, professor of Mechanical Engineering, he has carried on intensive studies upon Purdue's experimental high-pressure boiler, operating at steam pressures up to 3500 psi. Many articles have been published in technical trade journals and in engineering society transactions based upon the characteristics of high-pressure and high-temperature steam that have been determined from the experiments carried on by Professor Solberg and his associates.

Theta Tau Fraternity has likewise benefited from the loyalty and the undying interest shown by Professor Solberg since the very date of the in-

stallation of Phi Chapter. To understand the true value of his interest in the fraternity, however, it becomes necessary to consider the period during which he was a member of Torque Fraternity, the local organization which petitioned Theta Tau for a charter. He joined Torque Fraternity in 1923 while taking graduate work at Purdue University, and continued to guide the young organization through its early years by his helpful advice and assistance as a faculty adviser.

Brother Solberg was one of the six university faculty members who were admitted into active membership with the installation of Phi Chapter of Theta Tau on April 21, 1928. When the alumni organization was incorporated, during the early years of the chapter's existence, under state laws in order to handle the ownership of fraternity real estate, Brother Solberg was immediately elected to preside over the Alumni Board of the chapter. He has been re-elected to that office at each annual meeting since then. His untiring efforts toward enabling the alumni corporation to retain ownership of its property during the trying times of the depression period have finally resulted in the acquisition of a title to the present chapter house. For this service alone, Phi Chapter owes Brother Solberg its deep gratitude.

In 1929, Harry Solberg was married to Gertrude Owen. The Solbergs have two children—a boy and a girl—and the family recently has moved into a



Harry L. Solberg

pleasant new home in West Lafayette, not far from the Purdue campus. The Solberg family has vacationed for many years at their summer lodge in the Superior National Forest, near Ely, Minnesota. Boating and fishing provide the finest type of diversion for the professor seeking a few weeks rest from his academic responsibilities.

Brother Solberg holds membership in the American Society of Mechanical Engineers, and has presented several important papers on his experimental work at the conventions of the Society. His memberships in honorary fraternities include Tau Beta Pi, Pi Tau Sigma, and Sigma Xi.

—William R. Ott, Phi '40

In Memoriam

Professor Albert R. Achson, charter member of Tau, and professor of mechanical engineering at Syracuse University for thirty-three years, died very suddenly at his home, February 21, 1941, of a heart ailment.

The College of Applied Science has lost one of its best and most beloved faculty members. Those who were fortunate in knowing him, through his helpful generosity and remarkable teaching methods, have been saddened by his



Mag Hale photo
Albert R. Achson

untimely death. His earnest council and his unflinching concern for his students will be sorely missed by all those who knew him as "Prof."

Brother Achson was born in New Zealand and possessed both mechanical and electrical engineering degrees from Canterbury College, New Zealand University. He was a widely known figure in the heating and ventilating and power plant industries at Syracuse and surrounding cities. Membership was held in A. S. H. & V. E., A. S. M. E., Theta Tau, Phi Gamma Delta social fraternity, and many other fraternal and local groups. Only recently he had done work with the Associated Press Wire-Photo in a consulting capacity.

Tau chapter bids farewell to a true brother in Theta Tau.

—Gregory A. Sgou
Corresponding Secretary, Tau

Theta Tau Fraternity mourns the death of Gordon Sealey, Chi '42, who passed away December 1, 1940, after an eight months' fight for his life. Brother Sealey died of head injuries received while swimming at Sabino Canyon near Tucson. He was given a military funeral, with friends in the R. O. T. C. at the University forming the guard of honor.

Shortly after the accident, Brother Sealey received word from Senator Carl Hayden of Arizona that he had nominated him for an appointment to the U. S. Naval Academy.

A happy occasion came to Brother Sealey a



Gordon Sealey

month before his death by the visit to his bedside of Grand Regent Russell G. Glass. While Brother Glass was making an official visit to Chi Chapter in November, he heard of Sealey's accident through Brother R. L. Houston (President of Southwest Alumni Association) and expressed the wish to visit Brother Sealey.

Gordon Sealey was born in San Diego, California, June 5, 1920, and came to Tucson, with his parents, in 1938. He was in his third year in the College of Engineering and was in senior R. O. T. C. At the time of his accident he was Scribe of Chi Chapter.

—Jack O. Lyons, Vice-Regent

Algermon Tuttle Gibson, Eta '11, died last year in San Francisco, California, after an illness of six weeks. Death was attributed to overwork. Brother Gibson was 69 years old and had been president of the Lawrence Warehouse Company, the largest field warehouse concern in the world, for more than fifteen years. He was also president of the Bay Cities Transportation Company and the Erikson Navigation Company.

It is with grief that Upsilon Chapter records the passing of Brother Richard Albert Gresham, zeta initiate No. 123, on Thursday morning, March 8, 1941.

Norman L. Smith, Jr., Regent, Upsilon

The GEAR of THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

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

Editors

210 ENGINEERING HALL

IOWA CITY, IOWA

Subscription \$1.00 a Year

Life Subscription \$15.00

VOLUME XXX

SPRING, 1941

NUMBER 2

THE ENGINEER AND THE DRAFT

Engineers are now realizing the truth of last summer's predictions to the effect that within a year the country would face a shortage of engineers. Seniors now in school know from the persistence of personnel men that the present demand is great. Whereas these gentlemen appeared singly and considered only the best students a year or two ago, they now appear in squads—provided with sound movies of their plants—and make every effort to secure as many engineers as possible.

Practicing engineers are beginning to move into better positions. THE GEAR office has been deluged with address changes this spring. Certain states have even made blanket pay raises to their highway commission engineers in order to hold their organizations together.

Recent surveys of industrial needs indicate that 5 to 7 times as many engineers will be needed this year as will graduate from our engineering schools in June. This demand is not an "armchair figure" but the result of an actual canvas of scores of large industrial units.

Engineering schools are stepping into the breach with specialized courses for men out of school and many are planning to forego the customary

summer vacation in order to graduate men three months ahead of schedule.

Considering this lack of engineering personnel the course followed by the local draft boards is hard to understand. Many boards apparently are unaware of the important role the engineer has to fill or of the fact that the engineer is many times more valuable to the country than is a buck private. The superiority of armed forces depends upon the superiority of their mechanical equipment as Germany has so thoroughly demonstrated. Such equipment must come from factories planned, built, and operated by engineers. In fact, without equipment there is little for the draftees to do in the line of practical training.

Unfortunately the government seems to have laid down no general principles for the draft boards to follow concerning deferment of students in engineering, medical, dental or other colleges which are providing men badly needed in the present national effort. The inconsistency of pouring millions of dollars into engineering schools to increase the number of men being trained and at the same time allowing the draft boards to deplete the enrollment of these same schools by applying rules based upon the number and condition of the draftee's dependents, calls for constructive action.

One can always write his congress-

man but what else can he do? In a recent radio address President Davis of Stevens Institute of Technology made the suggestion that graduating engineers deliberately head for jobs considered essential to defense production. Here they are in position to do their country much more good than by entering the military service for which vast numbers of untrained men are available. Undergraduates should also feel justified in asking deferment in order to complete their engineering training. Since engineers constitute such a small percentage of the men of draft age the boards for the most part, have not become aware of the need which engineers know to exist. Engineering draftees can aid in the enlightenment of the local boards by requesting deferment for reasons such as those here mentioned.

These suggestions may appear to support "draft dodging." Certainly this is not our intention. Our thought is merely that it is as foolish to use an engineer as a buck private as it would be to measure the height of a ping-pong net with a set of precise Johansson blocks.

"OUR LIBERTIES WE PRIZE"

In the year 421 B.C., Euripides wrote these immortal words:

"This is true liberty, when free-born men, having to advise the public, may speak free which he who can, and will, deserves high praise; who neither can, nor will, may hold his peace: what can be juster in a state than this?"

Certainly the most precious heritage we Americans enjoy is this Liberty. But now our liberties are threatened—possibly more than ever before since our Government was founded. So, it behooves all of us as individuals and as Engineers to think and act squarely.

In our excursions into economics particularly, let us first of all remain scientists, dig *deeply* into our problems and stand firmly to our convictions. Thus, we may do our share to maintain, preserve and uphold the Lamp of Liberty which still burns more brightly in these United States of ours than anywhere else in all the world.

Letters

104 East 16th Street
Rolla, Missouri

Gentlemen:

Please send 10 more copies of THE GEAR to the above address as we now have forty members.

I think your last issue of THE GEAR was better than any previous. That seems to be true of every new issue. You fellows do a grand job and give us what we want to read and in good style.

Yours in H and T,
ROBERT L. STOWELL, Cor. Sec'y

Thanks for the roses, Brother Stowell—
we always supposed those Missouri
people were hard to fool.

100 N. Boulevard
Richmond, Va.

Dear Brothers:

I am putting in time for the Virginia Electric and Power Co. They even pay me. At present am getting some experience in the line department. You should see me climbing poles!

My present address is: 100 N. Boulevard, Richmond, Va. Phone, 4-1764. Any brothers passing through Richmond are asked to give me a ring. Who knows, I may be home.

In H and T,
R. G. COOPER

Don't get yourself out on a limb,
Brother Cooper.

Climax, Colorado
Jan. 20, 1941

Dear Brothers:

I have been working here for the Climax Molybdenum Company since graduation from the Colorado School of Mines in June, 1940. Have worked at about every kind of job here—mucking, machining, drift timberman, slope timberman, and now finally jigger boss. I plan on staying here for a while, that is, if Uncle Sam doesn't call for my services.

The reason that I am writing this is to try to get my copies of *THE GEAR*. After graduation I must have forgotten to send in my change of address. If possible, I would like to receive the fall copy of 1940, and if not, send the later issues as fast as they come out.

I would also like to state that I was married November 18, 1940, at Boulder, Colorado, to Barbara Henson, of Boulder. This news no doubt will give my brothers of Gamma a very bad shock. We are at home at Climax—three feet of snow and the thermometer has given up all hope.

Please let me know if there are any brothers in this vicinity.

Yours in H and T,

EVERETT PARIS, Gamma '40

The directory listed J. K. Richardson, Iota '30, and J. R. Sweet, Epsilon '24, at Climax, Brother Paris. Glad to have news of you and will keep the GEARS coming as long as you tell us where you are.

Humble Oil & Refining Company
Houston, Texas
February 18, 1941
San Angelo, Texas

Dear Brother Mercer:

Your letter of January 16 finally reached me and explained my failure to receive the Fall GEAR. Am always anxious to get each issue to check up on doings out at Epsilon Chapter and also on the activities of alumni. I've been with the Humble Oil and Refining Company just five years now—all spent in geophysics. Am a computer now on our West Texas crew—and here, Brothers, is the best part of the state of Texas.

To get back to your letter, my address as necessary directs, is a fairly rapidly changing thing. My mail will always reach me through 202 Humble Bldg., Houston, Texas. This is the most permanent business address I have and I notice by the address on your letter that you have the home address of my father, L. H. Thompson in Glendale, California.

I very seldom run across any old acquaintances in this area but the path of Brother

Joe Gregory, E '36, and myself cross every now and then. Incidentally, Joe is working for the Bureau of Economic Geology at the University of Texas, doing paleontological work.

Thank you for your letter, and I am looking forward to receiving my Fall GEAR—always better late than never.

Yours in H & T,

WILLIAM L. THOMPSON, Epsilon '31

If you ever settle down, let us know, Brother Thompson. *THE GEAR* is not forwardable on the original postage.

3818 62nd Avenue South
Seattle, Washington

Dear Brothers:

Please send future copies of *THE GEAR* to me at the above address.

Having recently accepted a position in the Engineering Department of Boeing Aircraft Company, I expect to be in Seattle for some time. At present Boeing employs in excess of 100 engineers and they plan to employ about 700, so you see there is quite a crew of us.

There are three of us Theta Taus from South Dakota School of Mines staying here together and working for Boeing: Robert J. Davis, '40; Paul Donaldson, '34; and myself, so you can guess that we have no time to be lonesome.

Yours in H & T,

JAMES C. NORMAN, Omega '40

Power to you, Brother Norman, and thanks for the news.

406 B. Wilson Pt. Rd.
Middle River, Md.
March 5, 1941

Dear Brothers Mercer and Howe:

After running across an old copy of *THE GEAR* and reading it from cover to cover I am convinced that I should have more. It is very good reading material to say the least and I am looking forward to the spring edition—hope this reaches you in time.

We are situated here on the shores of the Chesapeake Bay. I divide my time between the Glenn L. Martin Co., here in Baltimore and the "boss". The boss made his appearance in December and already is running things around our house.

Hoping the GEARS will start rolling this way, I remain

Yours in H & T,

DONALD F. MATSON, Omega ex '38

The "boss" will be a help on your income tax next year, Brother Matson. Thanks for your comments.

U. S. Gypsum Co.,
New Braunfels, Texas
January 13, 1941

Dear Brothers:

Enclosed please find check for recent copy of directory . . .

I am interested in knowing of Theta Taus in and around San Antonio or Austin—possibly enough for a few social get-togethers, beer boozes, or the like and thence working toward a small alumni association. Since leaving the Chicago Alumni Association and steel industry several months ago, I've missed the company of Theta Taus.

Please note recent transfer and above change of address . . . Fall issue of THE GEAR was forwarded to me and have just received same. Let me compliment you on all issues, most recent in particular, on alumni news, and the activities of chapters and alumni associations. Keep up the good work. Also compliments to the chapters for their help to you all.

After "training period" at Southard plant, I've been made Quality Supervisor and Mill Foreman of the Company's New Braunfels mill.

Yours in H and T,
JOHN ROCKWELL POST, Iota '38

Thanks for the news, Brother Post. Hope the directory has helped you uncover some Theta Taus "down that a-way."

Fresno, California
March 11, 1941

Dear Joe:

Just to let you know my new address and the fact that I finally have made the grade back to engineering after being away from it for several years. I am working for the Engineering Department of the Division of Highways and located here at Fresno. I am working in the drafting room at present and got my permanent appointment about three months ago. My classification is rather low right now but I have passed an exam for a higher one and hope to hear from it soon. Highway engineering out here is a good deal different than it was in Iowa and rather interesting.

And now for the important news. Michael Perry was born March 1 and is a pretty husky youngster. Both he and his mother are in fine shape. I'll have him squinting into a train in a year or two.

I see Van Velsburg occasionally in Los Angeles when I get down there. My wife has been down there staying with her folks and so I give him a call once in a while. He seems to be busy making hatchlings.

If it is not too late I wish you would mail

my GEAR to 347 North Fulton St., Fresno, Calif. I am only rooming here at present for I haven't found a house as yet.

Yours in H & T,
OLNEY W. PERRY, Omicron '35

Glad to hear you have tied into the profession again, "Preach." Congratulations on the boy!

923 Francis Ave.,
Schenectady, N. Y.
February 2, 1941

Dear Brother Howe:

I hear that good old Omicron is having another successful year. I was sorry I was not able to get back for Homecoming but 1000 miles is a long way.

As you undoubtedly know, I am working for the General Electric Company and we have plenty of work. Lately I've been working 8½ days a week besides studying General Electric's advanced course in Engineering.

Have met quite a few Theta Taus out here, mostly from the eastern schools. They are all regular fellows, as I would expect of any Theta Tau.

I hear that Brother Kippenhan is back again this year wooing the girls at Iowa and that even though Brother Hardaway is in Bowling Green, he left his heart in Iowa City.

Congratulations to you Brother Howe—that little "bundle from heaven" that was on its way last year should have arrived by now.

Yours in H & T,
JOHN P. MAX, Omicron '40

That's right, John—a girl. Glad to hear you find no difficulty in keeping occupied. Hard work isn't as dangerous as many people seem to think.

Lafayette, La.
Box 213

Dear Mr. Howe:

Was pleased to have your letter, forwarded from Benselar, Indiana, concerning my whereabouts. I have been in Lafayette, Louisiana, for nearly two years in the Geological Department of The Ohio Oil Company.

I feel that I have lost nearly all contact with Theta Tau as I have not received any GEARS or directories for some time. Am pleased to be returned to your mailing list.

In H and T,
CHAS. D. SANDS

Glad to have found you, Brother Sands. Still have directories for sale at \$1.00.

Additions to Membership

BETA

- 432 Harold Moro Borden, Birmingham, Mich.
431 Donald Earl Campbell, Escanaba, Mich.

GAMMA

- 331 Earl Nelson Murray, Uravan, Colo.
156 Walter C. Keil, Brighton, Colo.
157 George Alfred Kiensch, Newman, Calif.
158 Robert Samuel Evans, Council Bluffs, Iowa
159 David Harold Gieskamp, Pueblo, Colo.
160 Robert Frank Bowie, Bowie, Colo.
161 Ralph Leo Hennebach, Leadville, Colo.
162 Wilfred Edward Janakka, Ontario, Can.
163 Robert Theodore Rehtsmeyer, Aspinwall, Pa.
164 John V. Gargan, Golden, Colo.

DELTA

- 433 Arthur William Dana, Jr., Lakewood, Ohio
436 Lawrence Earl Greene, Cleveland Heights, Ohio
437 Ivan Anderson Greenwood, Jr., Cleveland Heights, Ohio
438 Lowell Burton Hitchcock, East Cleveland, Ohio
439 Arthur Raymond Klingel, Cleveland, Ohio
440 Leo Jacob Klinger, Jr., Canton, Ohio
441 Rodney Blanchar Miller, Lakewood, Ohio
442 Edward Hay Wright, Cleveland, Ohio
443 Frederick Campbell Thompson, Dunkirk, N. Y.
444 Robert Irving Strough, Akron, Ohio
445 Edward George Rapp, Cleveland Heights, Ohio
446 Frank Raymond Oberchain, Cleveland, Ohio
447 David Renee Nushorn, Cleveland, Ohio
448 Richard Newton, Cleveland, Ohio
449 William Robert Hockman, Findlay, Ohio
450 John Orvil Archer, Akron, Ohio
451 Robert John Clark, Linder, N. J.
452 Irvin Copland, Cleveland Heights, Ohio
453 Edward Joseph Roy Hudac, Cleveland, Ohio
454 Robert Martin Kemper, Cleveland Heights, Ohio
455 Donald Earl Taylor, Lorain, Ohio
456 John Richard Thoman, Columbus, Ohio
457 Charles Julius Swartwout, Chagrin Falls, Ohio
458 Charles Smallwood, Jr., Lakewood, Ohio
459 Robert Wyatt Schulke, Cleveland, Ohio
460 Warren Edmund Rupp, Mansfield, Ohio
461 Marvin Thomas Rowley, Cleveland, Ohio
462 Kenneth Vincent Killian, Akron, Ohio

THETA

NR: Following numbers supersede those published in Fall 1948 issue.

- 291 James H. Hamnett, New York City
292 Arthur Stanzano, Bronx, N. Y.
293 George W. Feldman, Kingport, Pa.
294 Robert K. Bogardus, Brooklyn, N. Y.
295 Joseph Warren Barker, New York City
296 William Vermeulen, Long Island, N. Y.
297 Augustine William Schatzel, Kingston, N. Y.
298 John Rae Stierat, Glen Falls, N. Y.
299 Anthony Joseph Rataiczky, Grantwood, N. J.
300 Richard Justin Halsted, Nutley, N. J.
301 Carl Robert Schulz, Bridgeport, Conn.
302 Benedict Justin Mankus, Brooklyn, N. Y.
303 Carl German, Wilkes-Barre, Pa.
304 Sigmund John Montgomery, Brightwaters, L. I., N. Y.
305 Arthur Carevka, Bohemia, L. I., N. Y.
306 Raymond Hopkins Fitzgerald, Little Rock, Ark.
307 James Ward Cronenberg, El Paso, Texas
308 Raymond Henry Walter Heazel, Elizabeth, N. J.
309 Salvatore Charles Dorca, Woodside, N. Y.
310 Charles Martin Kubbach, New York City
311 John Vergechuk, New York City
312 William Thomas Griffiths, Jr., Bronx, N. Y.
313 Felix Michael Izieloni, Shirley, Mass.
314 John Bement Pagan, New York City

IOTA

- 413 George Verlan Bradshaw, Jr., Valley Park, Mo.
414 Roland Sidney Burberry, Albany, N. Y.
415 Richard Kent Comson, Maplewood, Mo.
416 Robert Roscoe Cutler, Jr., Washington, Mo.
417 George Paul Dahm, Roselle, N. J.
418 Robert Anthony Eck, St. Louis, Mo.
419 William Elmer Hill, Jr., Rock Falls, Ill.
420 Raymond Oliver Kasten, Oak Ridge, Mo.
421 Charles Thomas Morris, St. Louis, Mo.
422 Charles Albert Vogel, Kansas City, Mo.
423 Arthur Whison Wilson, McLeansboro, Ill.

NU

- 343 Ole Curtis Griffith, Jr., Bellevue, Pa.
344 Webster Newton Jones, Jr., Pittsburgh, Pa.
347 Frank Lem Stulen, Bellevue, Pa.
348 Edward M. McGebe, Pittsburgh, Pa.
349 Max L. Williams, Dormont, Pa.
350 Don Archie Moore, Mantox Falls, Ohio

- 311 Wallace Marshall Beckstrom, Pittsburgh, Pa.
 312 Arthur E. Steele, McKeesport, Pa.
 313 Webster Newton Jones, Pittsburgh, Pa.
 314 Gerard Addison Roblich, Ridgwood, L. I., N. Y.

OMICRON

- 212 Henry Lawrence Godke, Muscatine, Ia.

PI

- 249 David Vel Armstrong, Monacaire, N. J.
 250 Evelyn David Arters, Jr., Logan, W. Va.
 251 Charles Lee Brown, Jr., Ridgwood, N. J.
 252 Roy Emmett Crews, Roanoke, Va.
 253 William Walter Fox, San Diego, Calif.
 254 Don Abbott Gaddis, Arlington, Va.
 255 Winthrop Warren Mellen, Jr., Wilmington, Del.
 256 Eugene Scott Miller, Jr., Philadelphia, Pa.
 257 Thomas James Milligan, III, Cape Charles, Va.
 258 William Robert Monroe, Jr., Washington, D. C.
 259 Ned Dierckson Pabst, Larchmont, N. Y.
 260 Lucinda Horner Pancost, Jr., Woodstown, N. J.
 261 William Warner Staley, Haverford, Pa.
 262 Charles Henry Wilson, Springfield, Mass.

RHO

- 211 Ray Clark Andrews, Olive, N. C.
 214 William Albert Brown, Jr., Wilmington, N. C.
 215 Wilbur Earl Bryant, Wilmington, N. C.
 216 George Thomas Dixon, Elm City, N. C.
 217 Thomas William Lambie, Raleigh, N. C.
 218 Earl Tyedrew Light, Haddonfield, N. J.
 219 Fred William Randall, Jr., Bristol, Pa.
 260 Benjamin Franklin Spencer, Ayden, N. C.
 261 Paul Eli Stout, High Point, N. C.
 262 James Milton Starkey, Albemarle, N. C.
 263 Linnie C. Williams, Jr., Salisbury, N. C.

TAU

- 243 Marshall Cloyd Koop, Kingston, Pa.
 244 Lester Packer, Chester, N. Y.
 245 Alexander Teslik, Ansonia, Conn.
 246 Lindsey Armour Bridge, Cassatona, N. Y.
 247 Richard Stephen Breed, Camillus, N. Y.
 248 Ellis Harold Brown, Jamesville, N. Y.
 249 Robert Edward Deior, Syracuse, N. Y.
 250 Ross B. Gilmore, Central Square, N. Y.
 251 James Ross McFarlane, Syracuse, N. Y.
 252 John James Roland, Oswego, N. Y.

UPSILON

- 163 John Brents Randolph, Jr., Altus, Ark.

PHI

- 163 Charles Lloyd Good, Warren, Ind.
 164 John Joseph Dudzinski, East Chicago, Ind.
 165 Warren Gregory Miller, Ft. Wayne, Ind.
 166 Roy J. Coers, Jr., Shelbyville, Ind.
 167 Clarence Fred Beckert, Chicago, Ill.
 168 Donald Wray Chrisman, Columbus, Ind.
 169 Robert James Winner, Ft. Wayne, Ind.
 170 Russell Isham Robinson, Chicago, Ill.
 171 Kenneth Louis Stafne, Duluth, Minn.

CHI

- 202 William Sheridan Griswold, Prescott, Ariz.
 203 Thomas Waid Holmes, Keene, N. H.
 204 John Dominic Caretto, Globe, Ariz.
 205 William Lee Sparks, Tombstone, Ariz.
 206 Leonard Norway Brown, Verde, Ariz.
 207 Robert Andrew Stephens, Cleveland, O.
 208 William LeRoy Johnson, Jr., Tucson, Ariz.
 209 Eddie Henry Babaglianti, Globe, Ariz.
 210 Heleman P. Gordon, Tucson, Ariz.
 211 Alfred R. Diehl, Ajo, Ariz.
 212 William Tizard, Inspiration, Ariz.

PSI

- 117 David Eugene Thompson, East Kalispell, Mont.
 118 Silvio Fopp, Somers, Mont.
 119 Joseph Wyman Pickett, Niagara, N. D.
 140 James Bernard King, Butte, Mont.
 141 Raymond Joseph Kujawa, Libb, Mont.
 142 John Blackwood White, Jr., Spokane, Wash.
 143 Ernest E. Thurlow, Rapid City, S. D.
 144 Carl Safran, Calgary, Alberta, Canada
 145 Joseph William Joyce, Butte, Mont.
 146 James Hughes McMahon, Butte, Mont.
 147 Millard Lester Reyner, Silver Star, Mont.
 148 Clifford Abbott Barkull, Jr., Whitehall, Mont.

OMEGA

- 110 Darrell Lavere Woodie, Sturgis, S. D.
 111 Albert Craig Gaggettzer, Rapid City, S. D.
 112 Daniel Kingston Donovan, Haron, S. D.
 113 Ray Ansel Simpson, Sioux Falls, S. D.
 114 Lind Barnett Nelson, Belle Fourche, S. D.
 115 Ken Nolan, Nisner, S. D.
 116 Lawrence Curtis, Lemmon, S. D.
 117 Arthur Floyd Davies, Aberdeen, S. D.

Letters from the Chapters

Alpha Going Strong on Professional Meetings



In addition to the ever present pressures of studies, the active of Alpha have been busy in furthering the interests of our chapter. During the present school year we have had four very interesting professional meetings. The following men were speakers: Messrs. Longyear, Calhoun, Wheeler, and G. Shepard. The last two are alumni of Alpha chapter, who are now prominent engineers in the Twin

iversity of Minnesota. Mr. Schlechten has shown much interest in our affairs.

During the winter quarter Ed Olson and John Kabrud were initiated into the fraternity. The following men have been recently elected to officerships in the chapter: Edwin Tyler, Regent; Joe Geraci, Vice-Regent; Bud Hoerschgen, Treasurer; Arlan Johnson, Scribe; Marlowe Nelson, Corresponding Secretary; Dick Mick, House Steward; and Max Madson, Representative to the Interfraternity Council. Brother Madson has been very active in the Interfraternity Council during the present



Top row: Sprang, Olsen, Mitchell, J. R. Johnson, A. Johnson, Nelson, Tyler
Second row: Kabrud, Madson, Hoerschgen, Bergquist, Mick, Goodman
First row: Taly, Schlechten, Zolner, Duncanson, Boyum, Comstock, Toke

Cities. Mr. Calhoun was one of Brother Schrader's classmates at the University of Minnesota. Mr. Calhoun subsequently became mine manager of the Burma Corporation Ltd., Hawdwin, Burma, India.

Alpha chapter was honored by a visit from Grand Regent Glass during the last part of November. The members of the chapter together with Brothers Joe Skovholt and Wes Johnson had an interesting and informative discussion with Brother Glass on local chapter affairs.

We are glad to welcome to Minneapolis, Brother Al Schlechten, Psi '37, who has become a member of the faculty of the Uni-

versity. He has held important positions on committees of the council's activities.

Brother Burton Boyum is a member of Tau Beta Pi and Phi Kappa Phi. He is also a member of the Tech Commission. Brother Roy Johnson serves as the president of the Book Store Board.

Plans for activities during the spring quarter are rapidly taking shape. Brother Ross Taly has been appointed as editor of the *Garnet*. Meanwhile the different committees have set the dates for the annual canoe trip and the spring party.

Yours in H & T,

LYLE GOODMAN, Jr., Alpha '41

March 14, 1941

Beta Heavy on Festivities



With the greater portion of the school year behind us, Beta chapter finds itself entering the last stages of a very prosperous and successful year. Since the fall issue of *THE GEAR*, ten men have been initiated, swell-

ing the list of actives to forty-one. At the present writing, Les Wahl, of Ishpeming, Michigan, is our only pledge. However, spring pledging will begin in a few weeks. The new actives are Harold Borden, Don Campbell, John Callinan, Robert Eddy, Jack Ruhl, Robert Bowdish, Dick Dunphy, Henry Haskell, Albert Quandt, and Bill Thomas.



Beta goes native

Our officers for the year are William Wivell, Regent; Larry Barrett, Vice-Regent; Russell Gribble, Scribe; Fred Walker, Treasurer; Edward Nelson, Marshal; Leonard Harris, Inner Guard; Loren Howard, Outer Guard; and Harry Finley, Steward. Bob Steveling was forced to resign his post as Treasurer because of the load put on him by his new job as laboratory supervisor in the metallurgy labs.

Fall pledging to the honorary fraternities found Beta men leading the campus in representation. Tau Beta Pi picked Bob Gribble and Bob Racine, increasing the number of Beta members to five. Racine was the only man picked by Chi Epsilon Chi, honorary chemical fraternity, and Tri Beta, honorary band fraternity. Blue Key welcomed Brothers Quandt, Donovan, Walker, Campbell, MacDonald, and Moberg to its ranks. Tau Nu Tau, honorary military fraternity elected six juniors from Beta men, Brothers Barrett, Howard, Weed, Walker, Quandt, and O'Neill. Alpha Sigma Mu, honorary metallurgical fraternity picked Brother Donovan as a pledge.

We have had several parties, the most interesting of which was our Christmas sleigh ride. With the aid of John McLaughlin's political pull, decorations were secured, and the outside of the Chapter house was festooned with many glowing lights and evergreen garlands. Regent Wivell's ponderous weight brought the sleigh to near ruin when the rear supports gave way. Cole (barbershop chords) Campbell, Walker, and Rusty Gribble kept a songfest going with the quavering aid of the less versatile brothers. Back at the house, the new multi-player record player kept the party at a high pitch all evening.

Earlier in the fall a stag steak roast was held at Bud Klemmer's camp on the shores of Portage Lake. The steak-frying prowess of hunter Abe Mathews brought loud sighs of contentment and satisfaction from the members present as the succulent morsels went the way of all good food.

The Winter Carnival found Beta Chapter particularly busy. Cole Campbell served Blue Key as junior co-chairman of the event, and was assisted by Wivell, Mathews, Finley, Nelson, and Gribble—all of whom were committee chairmen, as well as the other house members who served as committee members. Walker and Finley found that their work on the Queen's committee was rather remunerative; we all have been looking for their address books ever since.

As usual, George Turner spent a flying weekend with us over the Winter Carnival and managed to spend the greatest share of his time enjoying the ski-run and commuting



Indoor and outdoor sports at Beta

to the hill in his recently acquired black Buick convertible.

In the sports field, hockey claims Brother Jack Ruhl, who was one of the outstanding players on the team. Jack, although only a sophomore, played in every game of the season. Larry L'Anne Barrett is our only representative on the basketball court, although Rusty Gribble and John McLaughlin are the team managers. Ruhl and Butch Davis were the Theta Tau men on this year's outstanding football team. The rifle team, which has eclipsed all previous range records, enjoys the services of Howard, Harkins, and Russ Gribble. Rusty is captain of the team with Len Harris and Ted Walker the managers.

The ski team is represented by Bob Hall, who is also secretary of the Ski Club. Jim Keeley, who suffered a rather painful injury last fall was unable to enter competition this year, but together with Brother John spent many speedy Sunday afternoons skiing behind a fast-moving car. This ski-joring proved the nemesis of Bob Thompson who broke his ankle while skimming the snowy fields.

Brother Donovan has been promoted to the position of Editor in Chief of the *Lufe*, school newspaper. Jack Ruhl and Bob Weed have been added to the staff of the *Keweenaw*, annual. Dan Campbell is staff photographer for both of these publications.

Brothers Bosson, Howard, and Finley spend

their leisure time flying the stiver planes in the local CAA pilot training course. Brother Klupetko completed the advanced course early this winter, and his wife is now enrolled in the basic course.

The coveted post of Cadet Lt. Col. of the ROTC regiment went to Russ Gribble. Bob Gribble was appointed Cadet Major, while Finley and Harris are Captains. As all of the regimental appointments are not complete yet we can't give you all the dope on this.

Brother Len "Levi" Harris has found that his business enterprises are jealously covered by his roommate, Wisell, who has used the utmost cunning in seeking to gain control of the "Corporation" (with the help of O'Neill). One night Wisell moved the "Coke" machine into Levi's room, transferring his desk into the hall. Previously Barrett had filled the machine to overflowing with bottles, bottles, and more bottles.

So much has transpired that only these few brief glimpses into Beta life can be given here. Until next fall we wish good luck to all our Brothers in Theta Tau, and perhaps we will see some of you, at the long arm of the draft puts us all in the same boat.

Yours in H & T,

CLARK M. DONOVAN,

Corresponding Secretary

March 11, 1941

Epsilon's Advisor Returns Safely



Dr. Charles A. Anderson's return from his trip to investigate several islands in the Gulf of California, has stopped Epsilon's members from any more grey hairs in the future. We were a little doubtful as to

whether our good Brother would ever return.

In our last "GEAR" report we said that he would be tangling with the Cori Indians, a Mexican tribe. The story goes that although these Indians are tough boys and like to kill off strangers, they also like to drink the beverage known as Tequila. When "Andy" arrived on the island the 'injuns' were all busy earning money on the mainland to buy their

favorite drink. Consequently our daring Dr. Anderson didn't even see one of these blood-thirsty creatures.

The high-light of last semester was our semi-annual dance which was held at Tilden Park Clubhouse. Hawaiian students from the University did the entertaining. Guitars, grass skirts, bare feet, and stunted palms provided an appropriate atmosphere for the guests. The biggest event of the evening was when Jim Cathcart snatched up a guitar and turned out to be quite a musician and vocalist.

Our spring dance is coming up soon and we are all looking forward to it. A committee of those members who will insure us a good time will be appointed at the next meeting.

John William Harding, Jr., was married to Miss Patricia Ann Nelson, a graduate of Mills College, on February eighth. John has his Master's degree in geology now and plans to live in the vicinity of Los Angeles.

Brothers Moe Benson and Bud Ogle are mowing a dedicated roller base and a very bad 'charlie horse' respectively. These injuries are the remains of the Rugby season which has just ended with only one game lost.

Epsilon can now boast having four men in Phi Beta Kappa honor society. They are:

Blake Thomas, Bill Fiedler, Bob Proctor, and Ivan Wilson. Brothers prominent in other societies and activities are: Tau Beta Pi—Roy Turner, Chuck Haney, Proctor, and George August; President of the University of California Geological Society—Bud Ogle; Sigma Xi—Fiedler, Thomas, Wilson and Al Repecka; Gamma Alpha—Fiedler and Repecka.

Formal initiation was held at the Hotel Oakland on March 7, 1941. Toastmaster for the evening was Brother Howell Williams and he chose for his theme "The Erosion Cycle of Life." 'Willie' managed very ably to draw speeches out of the new men. Innumerable toasts, stories, songs, and celebrating made the evening a huge success. The seven initiates are: Wesley Carlson, John Freer, Jonathan Halsey, Roy Hillyard, Lowell Hilpert, Ronald Newman, and Wallace McClure.

The officers for the semester are: Regent—Turner; Vice-Regent—Ogle; Scribe—Max Crittenden; Recording Secretary—Harry Lieb; Marshal—Bruce Hellier; Ouster Guard—Don Detloff; Inner Guard—Don Nus.

Yours in H & T,

HARRY LIEB

March 12, 1941

Zeta Getting Squared Away

LAWRENCE KANSAS

Zeta, although crippled by the failure of several boys to return last Fall, has been making a steady comeback all this school year. We have become comfortably situated in our new house now, and with the able assistance of our adviser, Professor W. C. McNowen, are waging a strong battle for means of financing said house. So far it has been a close but winning battle—and we are hoping it will continue being at least a winning one.

At the present time we have 28 actives and 11 pledges. New members recently initiated are Francis Domingo, John Headrick, John Hackness, Bill Weldon, Malcolm Harnad, Frank Lichty, and John Strahln. Zeta also wishes to take this opportunity to announce the honorary initiation of George W. Bradshaw, associate professor of civil engineering.

Newly elected officers for the present term are Bob Paulette, Regent; John Hedrick, Vice-Regent; Everett Pitts, Scribe; Dorus Munsinger, Treasurer; Frank Lichty, Corresponding Secretary.

The "social whirl" hasn't been quite so severe as to keep us from our studies, but our "Red Dog Inn" party last semester and an hour dance two weeks ago were sufficiently successful to warrant everyone's high anticipation of our Spring Formal April 28.

But getting down to the more technical subjects, the Kansas University Engineering Exposition, an annual occurrence which is always held at the same time as the Annual Kansas Relays, (April 18-19 this year), is coming close enough at hand to be first in our thoughts at present. Zeta, along with an additional group or so in the engine school, have great plans for exhibits for the exposition and would like to extend an invitation to all who can attend.

The "Hobnail Hop," annual spring dance for engineers and dates, is to be held soon with Betty Coulson presiding as Queen. As usual the Queen is a Theta Tau sweetheart and is rather partial to Brother Cadden, who will be the honored escort this year.

Our intramural athletic conquests have not been so pleasingly successful so far, but we're not just talking when we promise that other intramural organizations are going to take notice of the Theta Taus this Spring in softball, and next year in all sports.

This present semester has seen several new members move into our house, and a strong pledging campaign started. We have every reason to believe that from now on things are going to become brighter. Zeta hopes that all other chapters of Theta Tau share in our bright outlook.

Yours in H & T,

DICK LARUE, Scribe

Theta Knows About the Broom Dance



Emerging from a very successful winter, Theta Chapter is strong in numbers and spirit but looks forward with some forebodings to a rather uncertain future. Present indications are that the third year class of this year will be the last for a few years to come. Most of the present second year class members are accepting jobs this spring and because of this we must depend on the incumbent first year men to keep the chapter on its feet next year.

Theta again has favorable reports to make on the athletic prowess of its members. Bejarano won the University Horseshoe Pitching Championship last fall. Regent Weyers and Checkovich won the University Handball Doubles. Brother Berger is in the doghouse because his basketball team failed to place in the University Intramural League. Regent Weyers sprained his ankle so badly in the first game that he carried it in a heavy cast for several weeks.

Checkovich and Einclins both took vacations and went off to the hospital for appendicitis and breakfast in bed. Those nurses—aaahhh! Kronska went to the hospital too and was out next day. Can't keep a good man down—he says.

The Chapter has held several dances in the Harrington Room during the winter. "Broom Dances" are still vigorously approved by the majority of the members and vociferously disapproved by a minority of one. The majority still rules. The Engineers Spring Formal is scheduled for the last week in March and Brother "Boggy" Bogardus (all 230 lbs. of him) is proving to be a farsighted chairman. The dance promises to be the best yet.

Theta Chapter boasts a new flag of heroic size. Eight feet by ten feet it occupies a prominent place at Engineering Dances. As

chairman of the flag committee, Brother Hammett was mainly responsible for its reasonable cost.

Sigma Xi held its elections recently and brothers O'Neill, Dorsa, Taylor, Hadley, Vermeulen, and Bejarano have joined the ranks of the scientists.

Alumni will be interested to hear that the Hadley hair is now over three months old. Brother Bill is still pale. They say some never recover.

Reports from South America indicate that Brother Mazens '40 has passed the examinations of his country, (San Salvador), and is now a licensed Ch.E. in the distillery business with his father.

Checkovich, Cronenberg, Heartel, Hayes, German, Seanziano, and Snavely are endeavoring to take up duties as Ensigns in the Naval Reserve in June. Some more of the boys are on the fence and may jump off either into the Navy or into industry this spring. Brothers Meyers and Thomas of the class of '40 are already holding commissions.

Brother Taylor and one Miss Andeva Peterson recently announced their engagement. The Chapter stands united in congratulating the happy (?) pair. We must admit, however, that we are beginning to discern a furtiveness and heretofore unnoticed reticence in Mr. Taylor of late. Who would ever suspect that the once great of the gridiron and grappling might bow so easily to the female will?

Chapter Officers (Theta)

Regent	Curtis Weyers
Vice-Regent	Roman Stetkewicz
Treasurer	Robert M. Taylor
Scribe	Cloyd A. Snavely
Corresponding Secretary	John Checkovich
Advisor	Prof. A. D. Hinckley

11 Active members and (eight pledges).

Yours in H & T,

CLOYD A. SNAVELY

March 10, 1941

Iota Host to Two National Officers



Iota celebrated its 25th anniversary on February 14th with a smoker in the afternoon and a delightful chicken dinner in the evening. We were very honored to have as our guests: Grand Regent, R. G. Glass; Grand Vice-

Regent, R. W. Nasser; and D. L. Moody, past Regent of Iota, who is now Sales Manager for

the LaCade Christy Brick Company in St. Louis, Missouri. Grand Regent Glass, the principal speaker, gave us much encouragement on the good work that our chapter was doing.

Last fall Iota pledged and initiated eleven men, eight juniors and three sophomores, whose names are: George Beadshaw, Charles Morris, Kent Comisso, William Hill, Arthur Wilson, Robert Cutler, Raymond Kasten, George Dahm, Charles Vogel, Robert Eck and

Roland Barberry. Initiation was held in the club room and afterwards a banquet was held in a small town nearby in honor of the initiates. Several of the alumni and honoraries were present and all had an enjoyable time seeing who could eat the most chicken. Dr. Guost, a professor from the English Department of the Missouri School of Mines, was the principal speaker of the evening and spoke on "Americanism".

Blue Key, a service fraternity, chose as its four new members, four Theta Taus, Marvin Fingle, Alden Hacker, Arthur Brune, and Robert Fields being the fortunate brothers to gain this honor. Also, we had two fellows to receive the scholastic honor of being initiated into Tau Beta Psi. Last fall Arthur Brune and this spring Charles Vogel were initiated. As everyone knows, an attainment of membership to this organization is desired by every engineering student. Let's congratulate the brothers.

Kenneth Hardine, Regent, Gordon Engle, and Vernon Looming attended the regional convention held at Iowa City last October. Hardine, as usual, came back and to sleep several days to recuperate from his over-indulgence

in you guess what. Now, Iota is making big plans for the biennial convention which we hope will be held in St. Louis next Christmas and expects to have a large representation present.

Our chapter now has on its roll thirty-nine members and has as its officers: Kenneth Hardine, Regent; Arthur Brune, Vice-Regent; William Busch, Treasurer; William Crockett, Scribe; Nathan Jaffe, Marshal; Harold Wampler, Inner Guard; and Clifford Corneau, Outer Guard. Pledging will begin in a few weeks and this semester mostly sophomores will be selected. Much to our good fortune, we have a fine group of fellows to pick our select few from and believe that we will be able to maintain the high caliber of fellows we've had heretofore.

Our annual spring dance this year is scheduled for the first part of May. Since last year, the Army has occupied the resort grounds where we formerly held our dances. This means that we'll have to go further from Rolla. Thus perhaps wild stoves won't get back so easily.

Corresponding Secretary
RAYMOND KAYTEN.

Lambda Enjoys "Goat Week"



I hope that you will forgive us this time for being so late in answering your letter of the 1st, but by the time I had received it, it was the middle of test week, and I just didn't get around to it. However,

I promise to do much better in the future. I also hope that this material which I am sending is what you want, as I was only elected to the office of "Corresponding Secretary" last Wednesday and I'm not quite sure what my duties are.

Here is the information which you requested. Our officers to date are: Devos M. Woolf, Regent; Dale Jensen, Vice-Regent; Burns Hansen, Scribe; George E. Watkins, Treasurer; William Turner, Inner Guard; Eldon Stephenson, Outer Guard; Fred M. Hammill, Corresponding Secretary. Mr. Watkins and myself were elected at the regular chapter meeting last Wednesday. We succeed James M. Hewes and Emmett O'Gara respectively. Our advisor is Dr. T. C. Adams, who resigned his Professorship at the University of Utah last January. Lambda Chapter now has 31 active and 4 pledges. During the Winter Quarter, Lambda Chapter initiated 18 which is the largest number ever to enter the Chapter at one time.



Lambda pledges out unions while playing

Well, here is the news of our chapter since about December. Early in January the fraternity initiated 18 new members. Since there

were so many, the "goat" week was quite exciting. With each "goat" wearing a Gear around his neck and industriously trying to work the impossible problems assigned him, the effect was really hilarious. (Enclosed are some pictures of the "goat" show held in front of the Engineering Hall. The vegetables which are being consumed are raw onions. The dessert was a raw egg.)

On February 28, many of the members attended a Theta Tau dance at the Rainbow Rendezvous here in town.

Oh, yes I almost forgot, during the "goat week" mentioned above, Mercer, Callister, and Hammill toured the Newhouse Hotel here in Salt Lake, posing as talent scouts from Hollywood and took the "complete" measurements of all the elevator girls, while all the actives followed closely behind roaring with laughter

at our embarrassment.

Now as to our plans for the future: Our annual spring formal will be held at the Hotel Utah, Roof Garden, April 25 and a grand time is being planned by George E. Watkins, chairman, James M. Hewes and Wilbur R. Matthews. The alumni are planning their annual banquet for around April 29.

Justin W. Blickenderfer became Lambda's third benedict on February 21. He is back at school and the butt of everybody's jokes.

I guess that is all for now. I certainly hope I can do a much better job for you next time. I will send in the news on time at least, and try to beat you to the gun.

Yours in H & T,

FRED M. HAMMILL

March 17, 1941

Nu Goes for Carnivals



To all its brethren in Theta Tau, Nu Chapter sends its greetings.

When spring rolls around again it will find that Nu Chapter, 31 strong, has not been hibernating. Following our trip to the Convention and our Founders' Day celebration last fall, we held our fall initiation at which time we took in not only a fine pledge group but two honorary members as well. They are Dr. Webster N. Jones and Dr. Gerard Rohlich, both members of the Carnegie Tech faculty. At a sumptuous banquet Past Grand Regent John M. Daniels and Professor Leo T. Lawler, Nu Chapter Advisor, welcomed our new brethren to the fold.

In the educational line, our Chapter made a trip to the newly-erected Buhl Planetarium at Pittsburgh, which proved to be very interesting, and at which a good time was had by all.

Our election of officers resulted in the following selections: William Hanna, Regent; Martin (Max) Reynolds, Vice-Regent; Wal-

lace Beckstrom, Recording Secretary; and John O'Brien, Corresponding Secretary.

Highlight of the spring season will be the Theta Tau Award to the Most Promising Senior Engineer, which is made annually to the man selected by a faculty committee and the actives of Nu Chapter. We are happy to announce that last year's award was won by a Theta Tau man, brother Ross Rostler.

A new idea being pushed by Nu Chapter is that of a Winter Carnival on the campus, similar to our present Spring Carnival. It is to feature winter sports, and will be climaxed by the crowning of the Snow Queen at the Junior Prom.

In closing, Nu Chapter extends to all Theta Tau alumni in the Pittsburgh district an invitation to get in touch with us and help celebrate Founders' Day next October 13. We can assure them a hearty welcome and a good time.

Yours in H & T,

JOHN O'BRIEN,
Corresponding Secretary

March 15, 1941

Omicron Dines with Queens



Despite the fact that it got off to a slow start, Omicron is steadily moving upward throughout this second semester. No loss in active membership was sustained at the

end of the first semester and the present status

is twenty-four actives and seven pledges. We are planning an extensive systematic spring pledging drive.

Newly elected officers who took office at the beginning of this semester are: Robert L. Miller, Regent; Jens Norgaard, Vice-Regent; William A. Kinkade, Scribe; Alfred N. Holmberg, Corresponding Secretary; Jim Jorgenson,

Marshal; Ted Beaudry, Inner Guard; Alex Weenmy, Outer Guard; Faculty Advisor, Richard Leutwiler.

Our small but expanding group of pledges is ably led by Charles Leutwiler, and in the group are pledges Hausler, Potoff, Schab, Larsen, Kuppert, and Petrik. A formal initiation is being planned for later in the semester.

Among Omicron's members holding offices in various organizations of the engineering college are: Regent Bob Miller, a Tau Beta Pi and Phi Lambda Upsilon, is editor of the *lowe Transit*, and also a member of the Union Board; Al Butterworth, another ranking senior, is an Associate Editor of the *Transit*; these two officers of the *Transit* will soon leave their offices on graduation and Brothers Holmberg and Lutz, now Editorial Staff members, will take positions as Associate Editors; Tiger Ed Burman, our Steward, is Vice-President of the Associated Students of Engineering, and Jack Russell is Treasurer of the same organization.

We have just passed through a most strenuous period, Mecca Week, during which time the Engineers' patron saint, Saint Patrick, is honored. The week is sponsored by the A. S. of E., and several of our boys were responsible for a successful week. Miller and Holmberg worked on the Mecca Ball, Jerry Hirt handled the Queens, Kinkade worked for the Banquet Committee, and Lenkiw was on publicity. The week was indeed a success, despite the Laws' attempt to break it up by stealing our sacred "Blarney Stone." Only by reciprocating and bartering for the stone, were we able to get it back. At any rate, the stone was returned, and we all dressed in our green ties, put on our sportiest slide rules, and attended the smoker, banquet, and dance, at which Ray Herbeck swung out.

But, according to several of the Omicron boys, the high spot of the whole week occurred when we had the Mecca Queen and her five Attendants as guests for dinner one Sunday. A more polished and shiny group of boys was never seen to grace our house before.

Could it be that the fellows wanted to impress someone?

We are all looking forward to the spring weather, due soon, which will mean the advent of intramural sports. Last fall, despite our meagre attempts, we did not take the intramural championship in touch football (surprise). But with everyone of us around here warming up his good arm, it certainly looks as if we ought to have a really good kickenball team. During the winter, our participation in athletics was confined to mere spectating at the University's basketball games and track meets. But we looked good there, too.

Another event which we are impatiently awaiting is our annual spring party, to take place the first Saturday in May. During the winter, our frequent radio parties have provided a great deal of entertainment for all, but now we're set for bigger and better things. Also, for the past several weeks, we have been taking part in weekly fireside discussions led by some faculty member or some other person connected with the University. The discussions have been both interesting and instructive.

This letter would not be complete without a word for our bridge friends. It seems we all play a wonderful game as long as we are within our own four walls at our own table, but as soon as we get outside in competition, we don't look the experts we consider ourselves to be. It is claimed, however, that lack of good cards is the only cause of our downfall.

Since the coming of Mrs. McClenahan, our housemother, there has been a decided pickup in our social graces. No one eats with his knife anymore. Seriously, though, Mrs. "Mac" has proved herself a wonderful chaperone, an excellent hostess, a good mother, and last but not least, a good fourth at bridge.

Wishing the best of luck to all our chapters of Theta Tau, and hoping that this year will bring to Theta Tau its greatest prosperity, I am

Yours in H & T,
ALFRED N. HOLMBERG,
Corresponding Secretary

Pi Plans to Brighten Up the House



This report finds Pi Chapter with 45 active members and no pledges. Chapter affairs are in the competent hands of Brothers Livsey, Malbon, Coregill, Binner, and Ashley in the capacities of Regent, Vice-Regent, Scribe, Treasurer and Corresponding Secretary, respectively. Pro-

fessor E. J. Oglesby serves the chapter as advisor.

Social activities around this vicinity have been temporarily curtailed, as the second term exams are upon us. With the snow still on the ground, it doesn't look much like spring, but when it comes, things will start picking up.

Theta Tau continues to occupy the politi-

cal spotlight in the Department of Engineering. All offices are held by the brothers in Pi: President, Jerry Thomas; Vice-President, Andrew Green; Secretary, Mackall Childs; Treasurer, Ken Rathbun; Historian, Carl Peters. With elections coming up the second week in May, we are again hoping and planning to do as well for next year.

As in former years, the big event in the lives of the slide rule wielders was the Engineers' Dance, held on January 11th. This dance was sponsored by Theta Tau and Trigon, a local competitive society. If the lack of attendance of Saturday morning classes was any indication, the dance was highly successful. Only the more hardy souls braved the dangers of the party at the House on the following night.

Brother Ken Rathbun continued his success in the boxing ring this winter, winning all but one of his encounters. He was runner-up in the National Intercollegiate matches

last year, but will be unable to enter this year because of illness. Brother Rathbun also had the distinction of being the only member of the third year class elected in Tau Beta Pi last fall.

Intramural teams were entered by Pi in basketball and bowling this season. The basketballers, using a unique system (it even baffled themselves), didn't—well, it's a great game, anyway. The bowlers showed considerably more skill in advancing to the semifinals, in a thirty-two team league.

A campaign has been started to refurbish the House. Brother "I can get it wholesale!" Arden has been busy making estimates, and we hope to accomplish much of the redecorating before rushing of prospective pledges this spring. Pi extends an invitation to all brothers to visit the House and see the results of our labors.

W. PAUL CORWELL, Scribu

Sigma Sitting Pretty



Sigma has progressed steadily forward this year and there is every indication that it will continue.

At the beginning of the winter quarter the Theta Tau Wives' Club presented the chapter with new floor lamps and ash trays. Sigma considers this gift very thoughtful and we appreciate it greatly. With the improvements made last fall and the recent acquisitions from the Wives' Club, the house can be considered in first class condition.

Five men have been initiated so far this year; they are: Raymond Baker, Fred Hansen, William McClure, and Gale Sankey. At present we have twenty-one actives and five pledges. The pledge chapter is increasing regularly and by Spring should be fairly large. Everyone is co-operating in the pledging for we are striving to have the largest pledge chapter in Sigma's history. From what I have just said you can realize our enthusiasm on this subject of pledging.

The members lost by graduation are James Brown, George Gibb, John McFye, William Nungesser and Paul Matthews. Most of the fellows have positions, except for those who are now in the army. Those taken by the drafts are Paul Bowen, John McFye and Paul Matthews. Bowen and McFye are both commissioned Second Lieutenants and are stationed at Fort Belvoir, Virginia. Matthews, better

known as "Slug," is reporting this month; sorry I am unable to state the name of the camp. "Slug" will surely be missed for he was our tutor in all mechanics courses and the leading chapter prankster.

Our officers are: Regent, R. Free Bluhm; Vice-Regent, Cassius Payne; Scribe, Robert Fisher; and Corresponding Secretary, William Walker. Our advisors are Professor C. H. Wall, Department of Civil Engineering and Mr. E. E. Knorr.

During the autumn quarter our main social activity was the Homecoming Dance of November 27. It was held in the Junior Ball Room of the Neil House with the music of Dick Fidler. There was a good attendance of the alumni and I am sure that everyone had a good time; the winter quarter activities have consisted of house dances, dinner meetings, and exchange dinners with various fraternities. Plans for our spring functions have not been made, but something will be decided upon in the near future.

We are proud to announce that Sigma is again well represented on the O. S. U. campus. The following brothers are on the organizations mentioned:

The Tau Beta Pi—Perry Borchers and Charles Bengert
The Ohio State Engineer—Ivan Spraitzer.
Richard Ferriss, Ernest Oehling, Jack Niggemeyer and Russell Bartholomew
Strollers—Perry Borchers and Jack Taylor
Senior Class Treasurer—Ivan Spraitzer
C. F. T.—Cassius Payne

Engineers' Council—Richard Snyder, Robert Fisher, Fred Bluhm, Charles Bangert and Perry Borchers
 Scabbard and Blade—Ivan Sprautzer, Richard Snyder and Alton Adams
 Techniki—Ivan Sprautzer, Charles Bangert, Richard Snyder, Robert Fisher and Perry Borchers

ATTENTION: SIGMA ALUMNI:

We would like to hear from you in the near future as to where you are located and what you are doing.

Since all good things must come to an end, to does this letter.

Yours in H & T,
 WILLIAM WALKER,
 Corresponding Secretary

March 11, 1941

Tau Eats After Bowling



This year the College of Applied Science is celebrating the 40th anniversary of the Engineers' Banquet. This event, which is sponsored by Theta Tau, will be held April 3 at the Onondaga Hotel. We feel certain that all previous attendance records will be broken. Howard (Holy) Hoke is general chairman of the affair. We understand that Howie has some pretty good schemes up his sleeve; we hope so. Assisting Howie are Regent Brown, ticket chairman; Vice-Regent-elect Simon, floor chairman; Bob Dollard, in charge of songs; Drew (Andrew Isaac) Morris, program chairman; Bill Cowles, transportation; Regent-elect White, in charge of Who's Who In Applied Science.

Between semesters Tau Chapter was pleasantly surprised by the unexpected visit of Grand Regent Glass. Most of the activities

had gone home for the between-semester vacation; however there were enough to hear the suggestions that Brother Glass made for the good of the chapter. We were very glad to have our Grand Regent visit us and we sincerely hope that there will be more of us around the next time he comes.

Wednesday, February 26, at a meeting, which followed the usual pre-meeting dinner, we elected officers for the coming year. We feel certain that they will lead the chapter to another active and never-to-be-forgotten year. The new officers are: Floyd White, C.E., Regent; Charles Simon, E.E., Vice-Regent; Richard Breed, E.E., Treasurer; John Schantz, C. E., Scribe; Raymond "Doc" Curtis, C.E., Corresponding Secretary; Raymond Barclay, E.E., Inner Guard; Ross Gilmore, A.E., Outer Guard; and Russel "Herb" Brush, Marshal.

As has previously been mentioned, every other Wednesday after bowling, the majority of the members meet downtown for dinner. Each dinner is followed by a formal meeting at the Engineers' Club. So far the turnout has been very encouraging and all who have attended have had a great time. I take the opportunity to add that the mechanicals have had an attendance of about 99.44%.

In the last letter, we mentioned that we expected to have the best Engineers' Dance ever held. Well, it seems the prediction was right; the faculty representation to the dance was very inspiring and the student turnout was more than satisfactory. Everyone at the dance seemed to have a great time although the dancing space per person was practically nil due to the large attendance. The dance was semi-formal and was held in the main ballroom of the Onondaga Hotel. For decoration, an array of gears, slide rules, etc., were used.

Last spring the Tau members of the '41 and '42 classes promised the graduating members plaques with a bronze casting of the Theta Tau emblem. However, due to molding difficulties, the promise was not fulfilled. Under the leadership of pledge-master, Greg



Floyd White, Tau Regent

Spring, last fall's initiates made enough earnings for Tau members of '40 as well as '41. The work on the plaques will be completed by the spring initiates and when finished, will then be sent to those members of that class who are not financially obligated to the chapter.

At present the chapter is larger than ever

before; we have 59 actives and 3 pledges and yet have spring initiation to complete. Twenty Tau men are expected to graduate this coming June.

GRAHAM A. SCRIBER,
Corresponding Secretary

March 4, 1941

Upsilon Pepped Up After Grand Regent's Visit



We thought that we had made tremendous progress this past semester but since Grand Regent Glas' short visit the chapter's attendance has increased and we seem to be even more enthusiastic about our activities.

At the present time we have 24 initiates and 4 pledges. New initiates since the last issue of the GEAR are John "Tubby" Randolph, Joe Birch, James Gustin, Harry Rangeland, and Randle Yarberry. New pledges are Wallace Oliver, Ch.E., Thomas Stanfield, E. E., Burly Wilson, Ch.E., and Larry Woolsey, E.E. We are planning another initiation the second week in April. As usual the initiation will be followed by a banquet.

In the recent Engineering School election we had one initiate and one pledge put into an office. Parker Helms, present Theta Tau treasurer, was elected Editor of the ARKANSAS ENGINEER. Wallace Oliver, pledge, was elected Business Manager. The past Editor and Associate Editor were Theta Taus, Willis Dertch, and Norman Smith respectively. Also many staff members are Theta Taus.

There are very good prospects of all our senior members having good jobs when they are ready to leave school. At the end of this past semester John Randolph and F. K. Smith went to work for Westinghouse. Bill Patton has accepted a similar position. Other members jobs are Lloyd Shackelford, General Electric; Gus Thompson, R. C. A.; George Scott, Telephone Company; Willis Dertch and Presching Vollman, Magnolia Petroleum Company.

Our present officers are Norman Smith, Regent; Lloyd Shackelford, Vice-Regent; Frank Moon, Scribe; Parker Helms, Treasurer; Gene Leggett, Marshal; Edgar Pittman, Inner Guard; Bill Patton, Outer Guard; and Randle Yarberry, Corresponding Secretary. Election for next year's officers will be held April 11, 1941.

Professor W. B. Stelener, head of the Electrical Engineering department, will continue to be our advisor. He is a Theta Tau and one of the founders of this chapter. We

hope he will continue to be with us for many more years.

Our formal, which originally had been planned for this weekend, has been postponed temporarily because of the death of one of our brothers, Richard Graham.

Brother William Dwayne Patton, a 6-point student, was chosen as the honor student of the school, the highest honor of the Engineering College. Besides being a member of Theta Tau he is in Tau Beta Pi, Pi Mu Epsilon, A. I. E. E., and on the ARKANSAS ENGINEER'S staff. The chapter is proud of Brother Patton and the many other brothers that belong to the same organization.

Brothers, active, inactive, or alumni, at this time I wish to extend an invitation to you to visit us at our Chapter house at any time. Our outside front door and inside cellar door are always open to you.

Yours in H. E. T.

RANDLE YARBERRY,
Corresponding Secretary



Patton, honor student of Arkansas Engineering School

Chi Delegates Enjoy (?) & Below Weather at Salt Lake



Hello Brothers:

A lot has happened since you heard from us last. On November 8, Brothers Gatlin, Johnson, Stockdale, and Dickie Houston, President of the Alumni Association, went to the Western Regional Convention at Salt Lake City. A good time was had by all, although the Arizona boys almost froze. It was six degrees below zero. About a week later, Grand Regent Glass visited us while on a tour of the Western Chapters. A banquet was given in his honor with the alumni, actives, and pledges in attendance.

On Friday, December 13, eleven new men were initiated in a ceremony at the L. D. S. Institute. This was followed by a banquet at the Pioneer Hotel. The following men were initiated:

Bill Tizard	Bob Stephens
Bill Sparks	Tom Holmes
Helmán Cardon	Bill Johnson
Eddie Kadoqliatti	Bill Griswold
John Caretto	Leonard Brown
Al Diel	

New officers for the incoming year were elected February 18. They are:

Regent, Bob Stevenson
Vice-Regent, Murt Pratt

Treasurer, Jack Lyons

Secretary, Bill Tizard

Corresponding Secretary, Bob Stephens

This brings us up-to-date but we have many things planned for the remainder of the semester. During Easter vacation several of the members are planning to give talks to graduating high school seniors. The talks will describe engineering at the University of Arizona. A lot of Theta Tau men are working on the Engineers' picnic and dance which takes place on St. Pat's day. This affair is attended by all the engineering student body and faculty. Many of the boys are also working on the Engineers' Edition of the school paper. A copy of this paper is sent to each of Chi's alumni.

On the 26th of April we plan to initiate our pledges. This will be followed by our Founders' Day Dinner-Dance. It is to be held at the Old Pueblo Club this year. All Theta Tau men in this vicinity are invited. A banquet will be given for the graduating seniors by the student chapter. Men graduating are: Clate Gatlin (past regent), Curly Boom, Hilton DeSelm, John Caretto, and Bill Griswold.

This winds up our news letter.

Yours in H & T,

R. A. STEPHENS,
Corresponding Secretary.



Psi to Celebrate Ninth Anniversary



BUTTE
MONT.

This year of 1940-'41 has been one of the most active of Psi Chapter.

On February 21, 1941, the first Alumni News-Letter of Psi Chapter was published. It met with great approval by the alumni, and a few criticisms have filtered in. With the help of these, we shall try in the future to edit a bigger and better News-Letter.

To celebrate the end of the first semester of this school year, we held an informal party in the house, on January 16, 1941. The affair was a great success with about fifty couples in attendance. An informal supper was served early in the evening, after which individual entertainment and amusing exhibitions of dancing followed.

Psi Chapter welcomes to active membership the following men: Willard Leikela, Jack Harvey, James Teigosa, Butte, Montana; Tilman Larson, Kalispell, Montana; Del Silver, Helena, Montana; and Paul Ripley, Great Falls, Montana.

The initiation was held at 5 P.M., March 9, 1941. Immediately afterwards a dinner party was given in the Chipewagon Cafe. Brother O. A. Dingman, assistant mining professor at the Montana School of Mines, spoke on his adventures in the Honduras. The party was well attended by actives, pledges, and alumni.

Four new pledges have entered our ranks this semester. This gives us a total of eight pledges to go active next fall. As an incentive for the pledges to work, we have added another plaque to the walls of the lounge. Each year the name of the outstanding pledge will be engraved on a link fastened to the plaque. The member's name will be announced at our annual spring formal.

It has been announced on the campus that Brother Willard Reynour has been awarded the coveted sectional scholarship presented annually by the Women's Auxiliary of the American Institute of Mining and Metallurgical Engineers. This is the sixth consecutive year that a Theta Tau at Montana



Psi home life

School of Mines has won this award. Congratulations from all the members, Brother Reynour.

The honor roll for the first semester of this school year was recently published, showing Theta Tau as third on the list of organizations on the campus. The honor roll of individuals showed quite a number of Theta Taus whose grades were outstanding. Keep up the good work, men.

We plan to celebrate the founding of our chapter here in Butte on May 1, 1941, with our annual spring formal for the ninth year. At this time an outstanding achievement award will be presented to the man, voted by the fraternity, as the "Man of the Year." This presentation is an annual feature of our spring party.

The officers leading us this year are:

Regent, Matt Kowe; Vice-Regent, Thor Johnson; Scribe, Pavo Paumala; Treasurer, Edgar Scholz; Marshal, Cecil Ward; Inner Guard, Tom Prator; Outer Guard, Frank Carr; and Corresponding Secretary, Alvin Nelson.

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

Yours in H & T,

ALVIN NELSON,
Corresponding Secretary

March 12, 1941

Omega is Active on Campus



RAPID CITY
S.D.

Greetings to all active and alumni members of Theta Tau from Omega chapter.

Omega began 1941 with twenty-three actives and forty-one pledges, twenty-three being pledged

this semester. Brother Atwater graduated at the end of the first semester and Brother Rehwaldt discontinued school for this term to work for General Electric at Schenectady, N. Y., planning to return next fall to complete his college course.

The annual pledging party was held during

the first week of February; at that time twenty-three men were pledged. A banquet was held at the chapter house with Brother Kammerman, faculty advisor and past-Regent R. B. Hill explaining the ideals and goals of Theta Tau. Spring initiation, or more casually called "Hill Week" will begin April 20.

Omega chapter is well recognized in campus activities this year. Brother Mazourek is president of the student association, Brother Olson and pledge Norman are members of the Board of Control. Pledges Brevik and Nelsonberg are presidents of the sophomore and freshman classes respectively. Brother Gulla

spring formal to be held at Sylvan Lake on May 18.

Scholaric honors made by active members Bigelow, Gamberg, Hubbard, Nolan and pledge Simkins are shown by their initiation into Sigma Tau, honorary fraternity. Brothers Mazourek and Hill are president and vice-president of Sigma Tau respectively.

Our congenial faculty advisor Brother Kammerman has notified us that he will no longer serve as a faculty advisor; he being called for National Defense service in his capacity as Major.

Brother Burleson, employed in a mining



First row: R. Hill, D. McGarvie, E. Hubbard, A. Davies, J. Goldsmith, R. Simpson, L. Woodie, E. Gamberg, W. Vobedja

Second row: B. Eggen, D. Bigelow, A. Wilson, C. Soderberg, Prof. E. Duke, L. Marcum

Third row: R. Mickle, M. Binder, W. Manuel, W. Norman, G. Erickson, R. Schmier, D. Donovan, C. Goldsmith

Fourth row: G. Ingwerson, W. Griffith, K. Nolan, L. Allen, W. Scown, J. Wendelken, E. Brevik, C. Graverson

Fifth row: E. Mazourek, W. Shans, R. Jones, F. Brady, E. Jukkila, L. Olson

Top row: M. Gilbrough, K. Crawford, H. Garlick, L. Nelson

is president of the AIMME with Brother Nelson as vice-president and pledge Simkins, secretary. The ASCE is represented by Brother Donovan.

The athletic department of the School of Mines is under the management of Brother Hill, athletic manager and Brother Goldsmith, intramural manager. Mines athletes who are members of Omega chapter include Brothers Eggen, Hubbard, Nolan and pledges Quinn, Swanson, Veronda, Winburn and Nelsonberg.

The annual Cinch-Buckle-T Roundup made its debut last December. Fun and frolic persisted throughout the evening in true western style. Already plans are being made for the

firm in Honduras, C. A., spent a good portion of his vacation at the Omega Chapter house. Bill had quite a conglomeration of tales and several reels of colored movies, which gave all members of Omega a good idea of his experiences. Visits by the alumni throughout the course of the year made the fraternal spirit much more binding. Several of our alumni are working in collaboration with the National Defense program being located at Seattle and Philadelphia doing naval and aeronautical engineering.

Omega chapter was represented at the Theta Tau regional convention at Salt Lake City by Brothers Bigelow, Goldsmith, Gamberg, Nel-

son and Simpson. They report a most inspiring and delightful time and passed their zeal to all members of Theta Tau.

Brothers Stevens and Spears have crossed the threshold of marriage. A rumor also reaches our ears that Ira Stanley is about to fall into the pitfall of wedlock.

Officers for the year include: E. Gensberg, Regent; L. Woodle, Vice-Regent; D. McGarvie, Scribe; Simpson, Treasurer; Olson, Corresponding Secretary; and Manual as house manager. Brother Woodle together with Brothers Bump and Graw are active as alumni members of the building fund committee.

Ten actives will be lost by graduation this spring, they are: Bigelow, Drickay, Egemo, Gallo, Gilberough, Goldsmith, Mazourek, Donovan, Nelson and Gagsterer.

With a host of actives and pledges, Omega is looking forward to a banner year ahead.

Best wishes from Omega.

LAWRENCE C. OLSON,
Corresponding Secretary

March 12, 1941



McGarvie's Saturday night

Never a Dull Moment at Gamma Beta

NOTE: This one is on the Editors. (In the hustle and bustle of going to press, Gamma Beta's chapter letter for the Fall issue was completely overlooked. As a result, we are publishing the Fall letter, together with the Spring letter, at this time. Our humble apologies to Gamma Beta!)

During the summer months when everyone in Washington was sweltering from the heat, Gamma Beta was enjoying two summer parties. The first was held at Brother Estabrook's farm and occurred on a Saturday afternoon in late July. It consisted of swimming, badminton, sax, and of course beer. The cake was made by the mother of Brother Millard.

Brother Mitchell invited the chapter down to his place on Chesapeake Bay for a beach

party. Since the weather was bad, a number of the brothers failed to attend. Those of us who did go brought back with us mementos of a most pleasant day. The weather even cleared enough in the afternoon for some of us to go swimming.

Three of our brothers took the fatal step this past summer. Brother Woody Armstrong was married in June to Miss Ruth Slater. Brother Ira Jones, Regent of '39-40, slipped off to New York in August and was married to Miss Margaret Miller in the Little Church Around the Corner. Last, but not least, Brother Martin Robinson has also stepped into the matrimonial path.

The present officers of Gamma Beta are Karl Estabrook, Regent; Guy "Wolf" Wai-



Gamma Beta has fun at Brother Estabrook's farm

son, Vice-R egent; Julius Ritter, Secretary; Ballou, Treasurer; Leon Tepper, Marshal; Bill Munney, Corresponding Secretary; Micky Schultz, Inner Guard; and Richard Fenton, Outer Guard.

As is the tradition, Theta Taus are the leaders around the School of Engineering. Brother Carl Estabrook is president of the Engineers' Council, Brother George Pido is president of A.I.E.E., Brother Butterworth is president of A.S.M.E. It will also be noted that about 50% of our members are members of Sigma Tau.

At the present we have an active chapter of twenty-three brothers. There are also a number of new men on the books to be voted on. These new men will be taken in some time around the first of the coming year.

On November 16, Gamma Beta is having its annual Fall rush function. A number of new engineering students have been invited to come. A program is being worked up so as

to make this party the best Gamma Beta has ever had. We also plan to have several members of the faculty present.

Several of Gamma Beta's Brothers recently have left our fair city to work elsewhere. Brother Tom Johnson is now with General Electric in Schenectady, New York. Brother William Randall is with the U. S. Coast and Geodetic Survey in North Dakota; George Weiser is plugging away for the Government in St. Louis; Brother Frank Mitchell has attained his heart's desire by being sent out on the road for Jansky and Baily, operating out of Washington, D. C., and Gus Millard accepted employment from DuPont.

Remember, if any of you are in the Nation's Capital, we will feel terribly hurt if you fail to pay us a visit.

Bill Mooney
Corresponding Secretary

Nov. 4, 1940



The following lineup now prevails at Gamma Beta: Carl Estabrook, Regent; Guy B. Watson, Vice-Regent; Julius C. Ritter, Scribe; Rowland W. Schultz, Treasurer; Leon Tepper, Marshal; Harold B. Thomason, Inner Guard; Richard L. Fenton, Outer Guard; Robert G. Weston, Corresponding Secretary; Professor Norman B. Ames, Faculty Advisor.

We're just doing fine with twenty-eight actives and seven pledges.

These pledges are being initiated on March 11, at which time we are having a banquet and dance at the Hay-Adams House across the street from the White House.

One of the outstanding events of the past few months was the marriage of a familiar character by name, Guy B. "Wolf" Watson, Vice-Regent of the chapter, who has by this time, we trust, ceased "wolfing." The frau is a lady by the name of Agnes, who by virtue of being the blushing bride of this Guy B. person, fell co-victim to a number of dice plots.

A "love letter" from a dame who goes by the name of "Minnie" was planted on the ground to be found by the better-half when she ransacked his trousers. A mile and three-quarters of tin cans were tied to his car. A bushel and a half of rice was contained by his wardrobe and a huge sign proclaiming to the world that newlyweds were moving in and therefore did not wish to be disturbed greeted their eyes from their apartment door.

Many of the foulest plots were nipped by Guy B's special agents.

At an election of officers in January Rowland W. Schultz was elected Treasurer and Robert G. Weston, the undersigned, was elected Corresponding Secretary. It must be that Uncle Sam's nosh a good Treasurer too, for he's gone and drafted our Rowland W. when the same has hardly had a chance to get his claws on the exchequer. And unless this Guy B. character which we have described to you, can develop either some dependents or far feet chances are he'll be answering a bugle instead of the alarm clock.

Last December the alumni threw a party for the actives which was held at George Lohner's lodge. At this party were gathered about one hundred alumni, actives, and pledges who enjoyed one of the best parties



Estabrook and Watson at work

in the chapter's history. The Alumni especially enjoyed taking the "kiddies" over in poker, Kelly Pool, ping pong and beer drinking.

George Washington University had its Engineers' Ball on the 24th of February and it was quite a hop. The Engineering School's two social functions of the year are the Ball and in the fall a Banquet. Gamma Beta is usually the spark-plug of these affairs as may be attested by the accompanying candid camera shot of our Regent, Carl Estabrook

(also president of the Engineers Council) and Vice-Regent, Guy B. Watson (it's him again) painting an advertisement of the Ball on the roof of our gym, which is in itself a lovely thing.

That's all now. Your cub reporter is going to sit around and wait for some more things to happen.

Yours in H. & T.,
ROBERT G. WESTON,
Corresponding Secretary

March 14, 1941

Delta Beta Gives All Sororities an Equal Chance



Spring is here and the run of Delta Beta are taking a little time off to give their fancies a chance to turn. All the sororities on the campus are being entertained, in their turn, with informal house parties. So far the Greek letter glamour gals have seemed to enjoy themselves very well. Their complaints have been of a minor nature; for instance, they have criticized some of the more buoyant brothers for such harmless little jokes as pulling the chair out from behind a sister who is preparing to reside. The Chi O's were especially indignant at Brother Fred Hill who insisted on making goo-goo eyes at all their pledges.

At the present time Delta Beta has twenty-four actives and eighteen pledges. Professor George Harding has been called to active duty with the Army, but as yet has not been assigned to definite duty and is still acting as faculty adviser.

Honors continue to be showered upon fraternity members. Regent Seaton Hunter has been initiated into Sigma Tau, national honorary engineering fraternity. Paul Kannapell, president of the Student Council, has been recently invited to join the College of Cardinals, an honorary organization whose membership is open only to campus leaders. John McClain, past president of his class, is also a member of the College of Cardinals, besides belonging to Sigma Tau and Theta Chi Delta, national honorary chemical fraternity. In fact,

Brother McClain has more Greeks after him than has Senate Masolini.

The Mothers' Club became an active unit during the winter months and has pledged all out aid in the form of all types of house furnishings. The Alumni Club is rather slow in organizing, as yet, but is expected to make great strides in the next three months.

Our "A" basketball team composed mostly of pledges, was the champion of the Spool School League this winter. The "B" team, composed mostly of actives who played on the "A" team last year, finished fifth in this league, which you may say isn't so bad until you discover there were only four teams in the league. The "B's" lost to the "A" by 1-48, but protested on the grounds that a foul shot against them in the third quarter was incorrectly called.

New officers will be elected in the next few weeks to succeed Regent Seaton Hunter, Vice-Regent Paul Huber, and Scribe Bob Williams. John Rathbun, determined mechanical junior, was recently elected to succeed plucky Bill Durbin as treasurer.

All in all, the next few months should be busy ones for us of Delta Beta. We are planning an initiation ceremony in about two weeks and are giving our formal dinner soon after Derby Day in the second week in May. No doubt May will be followed by June, which month will bring "days so rare", but we of Delta Beta like ours "well done" if you please, and I think I'm about "well done" now.

THOMAS E. COLEMAN

The Central A. A. Keeps U. S. Army Supplied with Men

At a meeting held last November, the following new officers of the Central Alumni Association were elected: Francis W. Davis, President; R. J. Eboer, Secretary-Treasurer; L. A. McKnight, Executive Member.

Brother Davis, our new President, is now inactive in our Association because of having been called for duty as Captain in the Photographic Division of the Signal Corp at Washington.

Plans are now being made for our next meeting to be held on Ohio State Alumni Day, June 7, at which time a new President will be elected. All members of the Association and any other Theta Taus who are in Columbus, Ohio, on that day are urged to attend and renew old friendships or become acquainted. A good meeting place will be the Sigma Chapter house at 1961 Indianola Avenue.

In addition to Brother Davis, mentioned above, a number of other members of our Association are now serving in the Army. Major George H. Harding is also located at Washington; Major Charles P. Smith is located at Ft. Hayes, Columbus; Captain Alvin M. Mock is at Ft. Belvoir, Va.; Captain Fred O. Barber at Camp Shelby, Miss.; and 1st Lt. A. R. Morrison is connected with the R. O. T. C. at Ohio State University. There are several others whose rank or location is unknown: Captain Curtis E. LaMey; Captain Clifford S.

LeVake; 1st Lt. Caleb E. Osborn; Robert G. Derszenberger is at Camp Shelby, Miss; Albert M. Androm at Ft. Knox, Louisville, Ky.; and Joseph F. Craig at Ft. Monmouth, N. J. There may be more who are connected with some branch of the Service of whom we have no record.

The Wives' Club of this area is still very active. Two "pot luck" suppers were served this past season to which the husbands were invited. Later in the evening several tables of bridge and pool were formed. On a number of occasions several of the hostesses have met to enjoy a stag party while their wives were attending one of the regular meetings of the Club.

R. J. ERWER,
Secretary-Treasurer

1010 Parkway Drive
Columbus, Ohio
March 13, 1941

Chicago A. A. Sees Movies

The new officers of the Theta Tau Fraternity Alumni Association of Chicago for 1941 are: President, Marshall Chandler, Phi '31; Vice-President, George Chapman, Phi '34; Secretary and Treasurer, James Finch, Alpha '30; Directors, Earl Rosenow, Omega '34; Axel Anderson, Zeta '39; Sidney Mathews, Phi '35.

At our last meeting we had as our guest speaker Mr. H. W. Garthe, Adv. Mgr. of Cardox Corporation, who told us about the "Industrial Application of Liquid CO₂ as a Fire Extinguisher," and showed us several very interesting reels of colored movies showing its application in putting out oil fires in a short time. Some of its applications are on permanent installation in power plants near oil filled transformers, airplane engines, oil storage tanks and many other situations.

During the last few months several Brothers

have been transferred out of town or have left Chicago for better jobs. Among them are:

Carl A. Carlson, Delta '39, who is now with the T.V.A. (Hydraulic Data Div.) at Knoxville, Tenn.

John R. Post, Iota '39, who is now with the U. S. Gypsum Co., Box 92, Southard, Okla.

Norman Schewe, Sigma '39, who is now with John A. Roehling and Sons and Co., at St. Louis, Mo.

Several others have gone to army camps for a year with the National Guard Reserve Officers and in the draft.

Yours in H & T,

JAMES B. FINCH,

Secretary Chicago Alumni Association

March 23, 1941

Kansas City A. A. Sees Many Changes in Membership

I have just received a note from Bob Russell forwarding to me your letter of March 3 addressed to him at 4704 Broadway, Kansas City, Mo.

In his letter, Bob says that he will write you, but in case he has not found time to do so I might explain that Bob has moved to Oakland, California, to take a new job with the Navy Department. As I understand it, he is to be Chief Inspector (Civilian Status) in the Navy Yard on ship construction. His

new address is: R. A. Russell, Apt. No. 12, 1101 Kempton Ave., Oakland, Calif.

Bob, of course, resigned his place as President of the Kansas City Alumni Association, leaving us, for the present, without a President. We're going to miss Bob's leadership in the organization, but want to wish him the best of luck on his new job.

The Kansas City Alumni Association has only two officers, President and Secretary-Treasurer. Until our next meeting, at which

we hope to elect a new President, the writer as Secretary-Treasurer is the only active officer.

Your letter asks that we state the type of activity of our organization. This is difficult to define as it has not been formulated beyond the idea of providing a system of meetings throughout the year to keep the alumni in touch with one another and the Theta Tau organization, both national and in particular with Zeta Chapter. The organization has attempted from time to time to be of help in acquainting prospective engineering students with the advantages of membership in Theta Tau. One of the principal values of an organization such as this seems to be the advantages of fellowship with members of the same profession.

Our meetings have been scheduled for one each month, but quite often we have found it necessary to postpone them so that the in-

terval between meetings is as much as two months.

The meetings of the K. C. A. A. have come to be something of a social event, with wives attending, usually starting with a short business meeting and followed by bridge games or other entertainment. In the summer a number of outdoor meetings have been held, offering an opportunity for the group to get acquainted and enjoy an outing at the same time. Our members and their families have been very kind and courteous in providing their homes as meeting places for the group.

I hope that the above information will be of some use for THE GEAR.

Yours in H & T,

R. S. PATTERSON
Secretary-Treasurer

KANSAS City Alumni Association

March 12, 1941

National Capitol A. A. Keeping Track of Changing Membership

In the course of rapid changing events here in the national capital we have been able to hold a couple of meetings during the year. The membership has really "been on the move" during the past year and at some future date we hope to be able to give out some information about all the Theta Taus here in Washington. However, we are passing on what we have been able to check up through January of this year.

Of course, the Gear has been notified of the election of officers for the National Capital Alumni Association so we are going to begin our story at that point.

Because of the recent trend of the events which has brought quite a few of the good brothers here to Washington it was decided to hold a real old-fashioned stag party and round up and then count noses after all the members had arrived. This event was held Saturday night December 14th, last, at the country place of one of the members in near-by Virginia. The party was very successful in many respects and with the aid of the active Gamma Beta Chapter from George Washington University we were able to round up quite a few of the old members of the fraternity and keep the affair at a six-percent level.

Gamma Beta Chapter brought a few pledges to the party and contributed much toward making the evening a very lively one. Judging from the impression made by the pledges

the prospective members are certainly up to the high standards set by the fraternity.

For the information of the Gear and the fraternity at large we are forwarding the names and addresses of some of the members of the National Capital Alumni Association as well as the active chapter of their undergraduate days. This information has been checked through January of this year and since that time we acknowledge the fact that there have been some changes in address we are not aware of at the present time. If any member knows of a Theta Tau moving to Washington it will be appreciated if they would advise this office so we may contact the member and greet him to our city.

Future meetings of the Association will be in the form of luncheon meetings with a speaker and the very great possibility of another party this summer. Gamma Beta Chapter is going to hold its annual birthday party Saturday, March 17th, and quite a few of the Alumni members are planning to attend.

As previously mentioned, because of the rapid rate at which the members are changing addresses it will be appreciated if the fraternity will advise this office of any member coming to Washington.

Yours in H & T,

GEORGE M. LOWMEYER
979 National Press Bldg.
Washington, D. C.

March 18, 1941

Twin City A. A. Has Big Spring Meeting

Dear Brothers:

The T. C. A. A. welcomes all Theta Tau readers to the spring issue of *THE GEAR* and hopes that the news contained therein will help to recall some of the many cherished memories of the fraternity. The association of Theta Tau after graduation through the organization of Alumni Associations all over the United States has certainly done a fine job in continuing the promotion of fraternal fellowship. Members of the T. C. A. A. appreciate the opportunity of the dinner meetings and get-togethers to help continue the friendships started with Theta Tau.

Since our last report in the Fall 1940 issue of *THE GEAR*, we have only had one opportunity to gather for another meeting. This was on March 12th of this year at which time a very successful dinner-meeting was held at

the new Coffman Memorial Union on the University of Minnesota campus. The setting of this meeting proved very entertaining in itself as T. C. A. A. members had an opportunity of inspecting the new Men's Union recently completed at a cost of well over 1½ million dollars. After a splendid dinner in the atmosphere of a new banquet room the members were entertained with a colored movie of the new Pennsylvania Turnpike Construction recently completed. Following the movies, members found themselves in the usual "bull-sessions" discussing recent activities with one another. These meetings of this nature provide a splendid opportunity of keeping in contact with fellow Theta Taus.

We note from the Fall issue 1940 that the Central Alumni Association has sponsored a "Theta Tau Wives Club" and while there is a very active "Wives and Mothers Club" at the Alpha Chapter House, it has been recommended that the next meeting of the T. C. A. A. be a social one where the members as well as their wives or friends can meet together. A cordial invitation is extended to all Theta Taus to contact the Secretary of this association when in the Twin Cities or if you are planning to move into this locality. We assure you a welcome from one and all. The following are the officers of the T. C. A. A. of Theta Tau: C. O. Anderson, '32, President; H. T. Pearson, '27, Vice-President; Robert B. Alesen, '38, Secretary-Treasurer.

J. W. Skovholt, '31, Grand Outer Guard of Theta Tau, has been working very hard for the interest of the fraternity lately especially for the next generation. Mrs. Skovholt gave birth to a baby boy on December 9th—the name, Glen Joseph Skovholt. That name would look pretty good in the Theta Tau Chapter Roll Book some day, Joe.

Greetings from one and all to Theta Taus everywhere and may the best of everything be yours until the next issue of *THE GEAR*.

Twin City Alumni Association of Theta Tau
ROBERT B. ALESEN, Secretary-Treasurer
March 13, 1941



Joe Skovholt, Jr.

Los Angeles Alumni Club Gaining Strength

In answer to your letter of March 13, I will give you a very brief outline of the activities of the Los Angeles Alumni Club.

This club was organized, as stated in the last issue of *THE GEAR*, on June 18, 1940, and the officers elected for the ensuing year, so there has been no change in officers. We also had a meeting on the evening of October

13, 1940, which was well attended, and another on February 15, 1941. At the latter meeting we had the pleasure of having with us our Grand Scribe, Erich Schrader, who stopped over on his way to Las Vegas. He made us a very interesting and informative talk on our Fraternity in particular, and Fraternities in general.

On November 12, 1940, we had the pleasure of a short visit from our Grand Regent, Russell Glass. He was on his way from the Regional meeting at Salt Lake City. On short notice I was able to assemble a bunch of the members at a luncheon meeting. We all enjoyed meeting Brother Glass, and talking over the affairs of the Fraternity.

While our Club is young, and we have not been able to get all the alumni in this vicinity out as yet, we have new ones at each meeting, and believe the Club will be a real bene-

fit to the members, which benefit will increase with time and improved attendance. We notice that once a member has attended he comes again.

One of our members, and a member of our Executive Committee has been elected President of the American Institute of Petroleum Geologists, Pacific Coast Chapter—Dr. Frank Hudson, of Epsilon Chapter of Theta Tau.

Fraternally yours in H & T,

THOMAS J. DOUGLAS,

President Los Angeles Theta Tau Club

Northwest Alumni Club Organizes

THE GEAR is pleased to announce that another alumni club of Theta Tau is now in the process of organizing—the Northwest Alumni Club.

Officers for the club already have been appointed:

President: Dr. George F. Seager, Epsilon '30, Montana School of Mines, Butte

Vice-President: A. B. Martin, Gamma '23, 1209 W. Woodlawn St., Butte

Secretary-Treasurer: Rayworth F. Howe, Psi '34, 937 S. Dakota St., Butte

Executive Officers:

John M. Conrow, Psi '33, 18 N. Excelsior St., Butte

Edward O. Bonner, Psi '34, 830 Zarelda St., Butte

I. R. Murphy, Psi '31, 816 Waakoshev St., Butte

The executive committee, composed of these officers, have drawn up the by-laws of the club and these are to be acted upon at the next meeting which is to be held at the Psi Chapter House on April 6.

Listed below is the present membership of the Northwest Alumni Club of Theta Tau.

Dr. George F. Seager, Epsilon

A. B. Martin, Gamma

Rayworth F. Howe, Psi

John M. Conrow, Psi

Edward O. Bonner, Psi

I. R. Murphy, Psi

Dr. G. L. Shue, Psi

Arthur J. Boyer, Psi

Chas. L. Beckstrom, Psi

A. J. Rambouck, Psi

Geo. T. Hanson, Psi

Ed. B. Truworthly, Psi

Richard Matthew, Psi

Robert Dietrich, Psi

Walter Duryck, Psi

Harold House, Psi

John A. Alley, Psi

William A. Mitchell, Psi

Donald L. Cole, Psi

John F. Steadman, Psi

Les Gallagher, Psi

Clarence A. Wendell, Psi

A. F. Rambouck, Psi

Merrill Sprunger, Psi

W. D. Trethewey, Psi

Thos. A. Greene, Psi

Arthur E. Conner, Psi

Chas. R. Truworthly, Psi

John Preater, Psi

H. E. Nelson, Psi

Farmer: "And how's Lawyer Jones doing, doctor?"

Doctor: "Poor fellow, he's lying at death's door."

Farmer: "That's grit for ye; at death's door an' still lying."

During a very wet day after a long spell of drought a farmer was heard to say to a friend, "An hour of this rain w'll do more good in five minutes than a month of it would do at any other time."

Mrs. Coolsby: "What's the idea of the suitcase, Mr. Coolsby? Going away?"

Coolsby: "No, but I heard you talking about the church giving a rummage sale and I'm taking all my clothes down to the office until it's over."

Do you know why old maids never have more than seven buttons on their dresses? Because they can't fasten eight.

Alumni Notes

ALPHA

- ROSWELL W. PROUTY, '12, left California last fall to join the U. S. Bureau of Mines in Washington, D. C., in strategic mineral investigation.
- RICHARD C. DENNIS, '17, married Miss Doris Armstrong of New York. He is a petroleum geologist with offices at Room 144, 21 Broadway, New York City.
- W. M. WINTER, '23, attended the February dinner meeting of the Los Angeles Alumni Club. He is in the U. S. Army as a First Lieutenant with camp headquarters at Camp Haan, California.
- S. N. WITTS, '27, recently moved to 3113 Indianapolis Ave., Edina, Minnesota, where he has taken up residence in his new home.
- J. C. MARCROT, '27, is reported in active duty with the Coast Artillery somewhere in California.
- R. E. HAYDEL, '30, sends his address as 9644 South 10th Court, Oak Lawn, Illinois.
- W. F. SOULES, '31, is in the Signal Corps at Fort Monmouth, New Jersey.
- E. J. BELTZ, '31, is now chief engineer at Station WLR, radio station on the University of Minnesota campus.
- JOE SKOVHOLT, '31, announces a future Theta Tau, Glen Joseph, born December 9, 1940. We also learned that Joe was recently elected secretary-treasurer of the Engineers Society of St. Paul. Congratulations twice, Joe.
- CLIFFORD O. ANDERSON, '32, lives at 2374 Buford, St. Paul, Minnesota.
- R. H. FARGHMAN, '32, is now employed by the Northern Pump Co., of Minneapolis, engaged in National Defense work.
- G. F. HUPP, '33, has moved to 3612 11th Ave. So., Minneapolis, where he has entered into employment of the Northern Pump Company of Minneapolis which is engaged in production for National Defense.
- S. R. MITCHELL, '35, has just completed his new home at 4221 Janslyn Road, Glenurban, Minneapolis, Minnesota. S. R. is still a railroad engineer.
- R. M. ROBBINS, '34, recently married to Jean Crawford of radio fame, has taken up family residence at 3210 Girard Ave., South Minneapolis.
- L. F. MARTIN, '34, is temporarily living at Burlington, Iowa, where he is working for Fayer Calumson Co. of St. Paul, steel fabricators who are furnishing steel on the Iowa Ordnance Plant (defense) at Burlington.
- R. C. GRAERNER, '34, resides in Cleveland, Ohio, at 2101 Harrison, where he is employed with the First Bank Credit Corp.
- M. F. GREGG, '34, writes from 1027 Geover Ave., Glendale, California. He is employed in the Industrial Engineering Dept. of Lockheed Aircraft Corp., and has been working on the P38 pursuit ship.
- Wm. D. SCHORLE, '36, has returned to Minneapolis where he has taken up his former position with the Soo Line R.R., in the engineering dept. Bill and his wife are living at 1410 Dupont Ave., South Minneapolis.
- F. LEE PAUL, '36, so the reports go, is preparing for departure for points unknown for a year's training in good old Uncle Sam's Army.
- JAMES R. HEIDING, '37, is metallurgist for the Lockheed Aircraft Co., at Burbank, Calif., and resides with his parents at 1821 La Cresta Drive, Pasadena, Calif.
- JOHN P. SWENSON, '37, moved to 821 Fairmont Ave., St. Paul, Minn. John is at present associated with Taltz, King & Day, architects and engineers of St. Paul.
- E. M. BENNETTEN, '37, who lives at 812 Ashland, St. Paul, and is in the contracting business with his father, contemplates moving to California for defense construction.
- R. J. BASH, '38, as partner with his father in Jos. A. Bash Co. of Minneapolis, has been busily engaged in several Defense Construction Projects, including Defense Housing at Denver, Colorado; Savannah, Ill., and Fort Wayne, Indiana.
- R. B. ARLESEN, '38, has recently expanded living facilities by moving to 2841 Quentin Ave., St. Louis Park, Minnesota, in order to provide for the expected "bachelor arrival" in May. Says Bob, "Keep your fingers crossed, boys."
- BOB HUGHMAN, '38, writes that he has been on the move so much that he is barely able to keep track of himself but that he has finally settled down in Shreveport with the Texas Oil Co., as geological scout. So if you want to write him, just address Box 1717, Shreveport, La.
- V. R. PETERSON, '39, and his recent bride, reside at 126 Telghman, Allentown, Pa.
- J. C. W. STEGEMAN, '39, is the proud father of a new baby girl—mother and baby doing well.
- ROBERT J. LUNN, '40, has accepted a contract with the Donaldson Co., Inc., of St. Paul, one of the country's largest manu-

facturers of air cleaners, as a research engineer. Bob's mail address is 211 SE. Walnut.

S. H. JOHNSON, '40, of recent varsity football fame at the University of Minnesota is

at present employed by the Minnesota State Highway Department.

C. B. OSIMAN, '40, is another recently married man and at present is working for Glenn Martin Aircraft at Baltimore, Md.

BETA

R. B. EARLING, '36, general manager of the Hammond Gold Fields at Fairbanks, Alaska, has returned to the States for a two month stay. He may be addressed for the present in care of the U. S. Smelting & Refining Co., Boston, Mass., or in care of his father, H. B. Earling, C. M. & St. Paul Ry., Seattle, Washington. Brother Earling, by the way, wrote the preface to the first issue of THE GEAR.

WALLACE R. COOK, '30, moved to 233 16th Avenue, Manhattan Beach, Calif.

RALPH R. WINGANI, '33, executes the job of resident engineer for Standard Oil of Venezuela, Caripito, Venezuela.

FRED S. GIBBS, '34, manages the Boulder Mining Co., Hillside, Arizona.

CAEL W. ABRAHAMSON, '21, is employed by Noranda Mines Ltd., and lives at Noranda, Quebec, Canada.

LAWRENCE SEAMAN, '22, is general manager of the Iron Mines Co. of Venezuela, Caracas, Venezuela, S. A.

CHARLES MERRILL BAKER, '22, has returned

from Peru and expects to locate "someplace in the good old USA." For the present his address will be 1604 Miles Ave., Kalamazoo, Michigan.

R. A. ANGST, '33, married Miss Jean West of Ft. Huron, Michigan, last September. His letter states that he is employed as industrial sales engineer for the Standard Oil Co., of Saginaw. Also, that in the Saginaw Valley there are twelve Beta men, most of whom belong to the American Society of Metals and through those meetings they see each other at regular intervals. Sort of a group within a group, don't you know. Mr. and Mrs. Angst live at 1314 North Michigan, Saginaw, Michigan.

HANS SCHIEN, '24, has been called to military service and will serve as a second lieutenant at Ft. Belvoir, Virginia.

WALTER M. WEBER, '24, decided on a change of street and settled at 8187 So. Rangley Ave., Chicago, Ill.

JOHN G. MAGOWEN, '41, is a cadet at Cal-Aero Academy, Ontario, California.

GAMMA

JOHN H. EAST, JR., '10, joined the staff of the U. S. Bureau of Mines with headquarters c/o Butte in Tucson, Arizona.

S. P. WARREN, Hon. '13, is with the Golconda Syndicate, Golconda, Nevada, which is a subsidiary of the Nevada-Massachusetts Co., the largest producer of tungsten in the U. S.

GUY E. MILLER, '19, has moved to 2140 Magnolia Avenue, Long Beach, Calif.

OTTO H. METZGER, '19, has been appointed mining engineer at the U. S. Bureau of Mines station, Reno, Nevada.

JAMES A. CLARK, '21, formerly manager of the Lago Petroleum Co., in Venezuela, has been appointed manager of operations of the Standard Oil Co., of Venezuela, Caripito, Venezuela, S. A.

LOUIS W. PRENTISS, '21, Major, Engineer Corps, U. S. Army, who has been in charge of the National Guard of Nevada for some years has been transferred from Reno to Ft. Belvoir, Va.

THOMAS G. FOULKNER, '22, who is assistant to the Engineer of tests for Bethlehem Steel

Co., and who resides at 331 Linden St., Bethlehem, Pa., is the newly elected president of the Engineers' Club of Lehigh Valley.

PAUL M. SHERIDAN, '23, has been put in charge of the New York office of the Emco Co., 120 Broadway, New York City.

B. F. AMBLEN, '25, is doing his consulting engineering work in India with place of business at No. 10, Middleton Road, Calcutta, India.

DONALD M. RAY, '25, announces the birth of a son, Donald Vonne on Nov. 14, 1940, at Des Moines, Iowa.

C. A. WEINZ, '27, moved to 142 Goodrich Ave., Lexington, Ky. He is employed by Standard Oil & Gas Co.

KUNO DUEHR, JR., '27, is now assistant superintendent of the Garfield Plant of the American Smelting & Refining Co., Garfield, Utah.

E. R. LOCKE, '28, geophysicist for The Texas Co., is now being addressed at Box 361, Breckham, Texas.

JOHN F. MAMONEY, ex '28, livestock oper-

- ator of Rawlins, Wyoming, lives at 1101 West Maple St.
- WILLIAM ROSS WILSON**, '29, is a special field representative for the Atlas Powder Co., and when not "booming" business, relaxes at 1448 East 9th St. So., Salt Lake City, Utah.
- CARLES H. JENKINS**, '29, resigned his position as engineer with the Myles Salt Co., in Louisiana, and is now with the Stearns Rogers Mfg. Co., in Denver, Colorado, residing at 708 Arapahoe St., Denver.
- D. J. LYONS**, '30, chemist for the Tidewater Association Oil Co., has changed his home address to 1719 Alhambra Avenue, Martinez, Calif.
- DAN GRADWOLD**, '30, as assistant agriculture engineer for the Soil Conservation Service, has completed his Utah work and is back at 1509 Los Lomas Rd., Albuquerque, New Mexico.
- ROBERT L. GIBSON**, '30, spends his working hours with the exploitation department of the Shell Oil Co., P. O. Box 2099, Houston, Texas.
- HEAL GURMERT**, '30, field superintendent for The Texas Co., is at Hamilton, Colorado.
- P. W. CUNNINGHAM**, '30, is associated with DeLuce & Son, Inc., in San Francisco, Calif. His mailing address is 1075 Filbert St., San Francisco.
- GAYLORD CHASE**, '32, has completed his medical training and established himself as a physician and surgeon in Longmont, Colorado, where his address is 618 4th Avenue.
- CLYDE OSBORN**, '31, home from the Philippines, may be addressed c/o A. H. Johnson, Morrison, Colorado.
- T. E. GRIGEV**, '34, representative for Ingersoll-Rand Co., resides at 221 Arizona Ave., Prescott, Ariz.
- EDGAR H. JEFFRIES**, '34, sales engineer for the Surface Combustion Company, was married on Sept. 19, 1940, to Miss Maurine Douglas of Cleveland, Ohio. The Jeffries are at home at 1721 Page Ave., Cleveland, Ohio.
- CHARLES N. BELLM**, '34, has the label of lieutenant in the U. S. Armored Force School. You can find him at home at 524 Park Ave., Elizabethtown, Ky.
- ROBERT G. RIBBLE**, '34, changed his residence to 18 Wildwood Dr., Youngstown, Ohio.
- THOMAS P. TURCHAN**, '35, acts as mine shift boss for Combined Metals Reduction Co., and resides at 328 E. 1st South St., Salt Lake City, Utah.
- W. W. LITTLE**, '34, is at Ft. Belvoir, Va., for training.
- P. W. SMITH**, '31, is at Fort Belvoir, Va., for training.
- CARL L. MORRIS**, '36, has a new home address at 1203 So. 73rd St., Milwaukee, Wisconsin. He is associated with Allis-Chalmers in the capacity of erection engineer.
- GEORGE H. ADAMS**, '36, is at Camp Ord, California.
- CHARLES D. SANDS**, '36, for the past two years has been associated with the Ohio Oil Co., Lafayette, Louisiana, in their geological department.
- JAMES A. APPLINGTON**, '37, resides at 511 N. Pine, Ithpspring, Michigan.
- ROSCOE C. MCCUTCHEAN**, '38, accepted a position as office engineer with the Gates Rubber Company and may be addressed at 2213 Griffin St., Dallas, Texas.
- ROBERT J. HUNDHAUSEN**, '38, furnace foreman for Lewis Metals Corp., in St. Louis, looks after the home furnace at 2321 So. Compton St., St. Louis.
- LOUIS E. BREKAMP**, '38, whose permanent address is Oklahoma City, is production engineer for the Atlantic Refining Co., and his present address is P. O. Box 661, Alice, Tex.
- ALLEN S. CROWLEY**, '38, of 169 Pearson Drive, Asheville, North Carolina, works for the Gardner-Denver Co.
- MARVIN A. SEEBU**, '39, second lieutenant in the Air Reserve, was appointed to the Industrial Planning Board of the Material Division of the Air Corps and is stationed in Dayton, Ohio.
- CHAS. W. DELONG**, '39, sales engineer for the Taylor Engineering & Mfg. Co., has been transferred to Los Angeles, Calif., where his address is care of the company, 819 Chester Williams Bldg.
- EVERETT M. PARK**, '40, and Miss Barbara Henson of Boulder, Colorado, were married on Nov. 16, 1940, and are at home in Climax, Colorado.
- HERBERT D. THORNTON**, '40, is studying at the U. S. Naval Academy at Annapolis. He joined the Navy last year through the Naval Reserves and completed a three months' course and a month's cruise, after which he received the rank of ensign-reserve. Now, by competitive examinations he has earned the right to study at Annapolis.

DELTA

- LEONARD H. KRILL**, '37, is not only general contractor, but also a member of Hadlock, Krill Co., 2149 E. 31st, Cleveland, Ohio.
- His residence is 1307 Hathaway Ave., Lakewood, Ohio.
- ROBERT C. MITZ**, '38, is superintendent of the

- Sam W. Emerson Co., construction engineer, 108 Union Bldg., Cleveland. The Mia home is at 2157 Derbyshire Road, Cleveland Heights, Ohio.
- OLIVER E. HAMEGOT, '21, is an engineer for the Brewster Aeronautical Corp., in New York City and lives at 31-42 47th St., Jackson Heights, N. Y.
- JOHN C. MILLER, '26, mechanical engineer for the Ohio Forge & Mach'ry Corp., 3010 Woodhill Rd., Cleveland, Ohio, resides at 2914 Cornell Rd., Apt. 11, Cleveland.
- KARL H. MEYER, '26, who lives at 300 East 222nd St., Euclid, Ohio, is methods engineer for Reliance Electric & Engineering Co., 1088 Ivanhoe Rd., Cleveland.
- WALTER MECKEL, '27, is research metallurgist for the Cia Minera Unificada del Cerro de Potón, and his mailing address is Casilla 11, Potón, Bolivia, S. A.
- ROY N. ENVALD, '30, is now in the patent department of the Westinghouse Electric & Mfg. Co., in Philadelphia, Pa., and his home address is 1294 Childs Avenue, Drexel Hill, Pa.
- EVAN W. VAUGHN, '30, is located in the Panama Canal Zone where he is chief technician, Soils Laboratory, Miasfloros, Canal Zone.
- DANA D. LESLIE, '32, inspects for U. S. Engineers in the Soils Laboratory, Ithaca, N. Y.
- MAYNARD W. McMILLAN, '32, informs us that his new address is 2188 West 23th St., Cleveland, Ohio, and that he is employed by The Baker-Raufling Co.
- KENNETH F. SIBELA, '31, moved from Lakewood, Ohio, to 271 N. Howard St., Akron, Ohio.
- JOHN B. PARKER, '34, spends a portion of his free hours at 220 N. Jackson, Lima, Ohio.
- CARL F. GELTZ, '37, is engineer for the American Gas Association Labs, 1012 East 62nd St., Cleveland, Ohio.
- CHARLES S. SMITH, JR., '37, is at the University of Pittsburgh.
- ERNEST W. TAYLOR, JR., '37, and Miss Helen Bagwell were married Jan. 18, 1941, in Bay City, Michigan. The Taylors are living at 1200 9th St. He is an engineer with the Brown Hain Industrial Corp., in Bay City.
- FADEL JOHN FADEL, '37, and Miss Louise Schimmelman were married last fall and are living at 117 N. Madison, Bay City, Michigan.
- ALFRED B. JEPSON, '38, winds his way each evening to 1524 37th Ave., So., in Seattle, Washington.
- WILLIAM B. SEAYER, '38, is not one to stay put—he says he has moved so many times during the past year that a Gear couldn't possibly catch him. This time he sends an advance address of 600 Delaware Ave., Detroit, Michigan. Maybe we'll catch up.
- EDWARD PERAKEN, '39, works for Thompson Products Inc., Cleveland, Ohio.
- CARL A. CARLSON, '39, left the Crane Co., in Chicago and is junior hydraulic engineer with T.V.A. in Knoxville, Tenn.
- RALPH WILLIAMS, '39, and Miss Mary Fleming were married on Jan. 18, 1941. After graduation he attended the Clarence White School of Photography in New York and now is employed at commercial photography in Louisville, Ky.
- JOHN LAWLER, '40, lives at 6766 Continental, Forest Hill, N. Y.
- ROBERT W. BLACKMORE, '40, and Miss Frances Robison were married in August, 1940. Bob is with Warner & Swasey and attends John Marshall School of Law at night.
- DENTON K. SWARTWOUT, '40, married Miss Fannie Alberta Schryver of Cleveland, Ohio, Sept. 28, 1940.

EPSILON

- CHESTER ALLEN, '13, engineer for Philip R. Park, Inc., resides at 1111 Sepulveda St., San Pedro, California.
- WILLIAM D. McMILLAN, '13, who recently returned from Colombia, S. A., has been appointed mining engineer in the strategic minerals investigation section of the U. S. Bureau of Mines and will have headquarters in Tucson, Ariz. His business address will be, U. S. Bureau of Mines, Box 4087, University Station, Tucson.
- LESTER F. KOHLE, '18, is geologist for the Petroleum Securities Corp., Box 187, Ogdale, California. His home address is Rt. 2, Box 21, Santa Paula, Calif.
- JOHN A. RICHARDS, '19, is with Menomoth-St. Anthony Ltd., Tiger, Arizona, as mine superintendent.
- VINCENT D. PERRY, '22, is geologist for the International Smelting Co., 818 Kearns Bldg., Salt Lake City, Utah.
- EDWARD H. ROY, '21, petroleum geologist with the Richmond Petroleum Co., has a new address at Cde Restrepo, Calle 22 No. 10-31 Bogotá, Colombia, S. A.
- ALLEN P. BOWIE, '32, is assistant petroleum engineer for the Kettleman North Dome Assoc., Avond, California.
- RANSON N. CHRISTENSEN, '32, has changed his residence to El Monte, Calif.

- JOHN McCLURE REYNOLDS, '22, receives mail addressed to Union Oil Co., Huberfelde Bldg., Bakersfield, Calif.
- ROBERT E. BAKER, '32, of the Bradley Mining Co., has been transferred to his company's Badger Mine in Grant County, Oregon, near Susanville, Oregon.
- JOHN DUMERCO, JR., '34, moved in January to 339A North Hoover Ave., Whittier, Calif.
- F. THEODORE JOHNSON, '34, announces the arrival of not one, but twin girls, Jean and Jane, at Winnemucca, Nevada, on Oct. 21, 1940.
- JOSEPH STRUTZEL, '34, asked that his Gear be sent to him at Greenville, Plumas County, Calif.
- WILLIAM L. THOMPSON, '33, who is kept on the move by the Humble Oil & Refining Co., suggests that mail be sent to the company office at 202 Humble Bldg., Houston, Texas, for forwarding.
- JOE GREGORY, '38, so we hear from second-hand information, is working for the Bureau of Economic Geology, University of Texas, doing paleontological work.
- ENGLISH JOHN N. ANDREAO, '36, is stationed in Seattle, Washington, at VP43 Naval Air Station.
- EDWARD M. WHEELER, '38, lives at 2105 East Ocean Blvd., Long Beach, Calif.
- ALFRED B. JERSON, '38, and Susan E. Hughes were married in July, 1940, at Miami, Arizona. Al is with Boeing Aircraft at Seattle, Washington.
- JOHN H. DUCMA, '38, should be addressed, Box R-1, Galea, California, c/o Barnsdall Oil Co.
- CHARLES E. LARSON, '39, advises in his mailing address is P. O. Box 1631, Bisbee, Ariz.
- GEORGE J. BARNETT, '39, is kept busy these days by Douglas Aircraft Co., Santa Monica, Calif.
- SAMUEL T. MARTNER, '40, after graduation last year, secured an appointment as assistant on the side is continuing toward an advanced degree.

ZETA

- JAMES W. ORTON, '17, writes letters from 9206 Sorfendo Avenue, Detroit, Michigan.
- FAY A. BENNETT, '23, civil engineer for the Kansas State Highway Dept., lives at 1260 Garfield Ave., Topeka, Kansas.
- EMIL KENNEDY, '25, has been promoted to chief engineer of Phillips Petroleum at Bartlesville, Okla.
- W. L. PATTERSON, '26, E. A. FARMER, '29, A. G. MAY, '38, J. W. SMITH, '33, R. E. LAWRENCE, '25, and A. D. HARVEY, '21, are all associated with Black & Veatch, consulting engineers of Kansas City. Bill Patterson has been involved in the plans and supervision of construction of Camp Robinson, Arkansas, since its start. Ray Lawrence is now in Washington as assistant to Mr. E. B. Black who is in charge of water supply for the U. S. Army.
- GEORGE FEM, '28, when last heard from, was assistant resident engineer on the new ten million dollar Kanopolis Kansas dam, with the U. S. Engineers.
- P. A. BOKLA, '34, is now with the Navy as Ensign on duty as Resident Cost Inspector of Curtiss-Wright factory at St. Louis.
- R. D. McKIM, '33, formerly with Black & Veatch of Kansas City, is now Captain McKim with the 110th Engineers at Camp Robinson, Arkansas. A report further states that McKim has been given the opportunity of attending Ft. Belvoir for the officers' school. This will be Mac's second course at Belvoir, so we'll be expecting to hear of new promotions for him.
- H. F. DUCKIE, '31, made a short move from Pittsfield, Mass., to 12 Pleasant St., Dalton, Mass.
- LEWIS W. BENZ, '36, works for Phillips Petroleum in Bartlesville, Okla., and recently announced his marriage to the former Cecile Parsons of Bartlesville.
- PRESTON COLE, '36, works for Cities Service in Bartlesville, Okla.
- LEWIS W. BENZ, '37, hopped from Texas up to Bartlesville, Okla., and found a home at 616 S. Cherokee.
- V. A. KOELZER, '37, has a new address of 2027 Baringer Avenue, Louisville, Ky.
- JOHN KRIST, '37, is employed by Worthington Pump Company, Kansas City, Mo. John was married not so long ago.
- FLEMING W. SCOWELD, '38, formerly instructor in civil engineering at Rice Institute, has been appointed associate professor of civil engineering at Tulane University.
- GAIL MAY, '38, is associated with Black & Veatch, Kansas City, Missouri.
- JANE GAMBLE, '38, has an addition of a small daughter in his family, and as a result is working harder than ever at the Kansas City Power & Light in Kansas City, Mo.
- LESTER A. HANN, '39, announces his new address at c/o Geary County Health Dept., Junction City, Kansas.

VERNON MAY, '40, after getting his degree and a wife, left Bishop, Ariz., where he is with the Phelps-Dodge Copper Corporation.
 ALVIN L. BARNETT, '40, has secured employment with RCA, Bloomington, Indiana.
 HAROLD HAIGHT, '40, is working for DuPont Co., at Louisville, Ky.
 DON FUNKHOUSER, '40, assists Cities Service Co., in St. Joseph, Missouri. Incidentally, Don's boss is W. K. McMurry, Zeta '30.
 LEONARD SCHMIDT, '40, is in the Water

Resource Department of the State Department of Agriculture in Topeka, Kansas.
 MYRON HARRIS, '40, works with NACA, Langley Field, Va.
 J. B. WAIN, '40, landed one with Cities Service of Bartlesville, Okla.
 BILL STEVENS, '40, is located with the A. W. Helling Engineering Co. in Texas.
 FRANK BROCK, '40, receives remuneration from the Wright Aeronautical Corporation.

ETA

WALTER MUTHEN, '13, left Boston for Norwell, Massachusetts.
 JOHN INGLE, '16, head of Goodyear Rubber Company's crude rubber division, flew from Akron to Brazil to play golf with the head of the Brazilian government and other dignitaries, as reported in "Time" of Nov. 4. He since has gone to Singapore.
 WENDELL H. KAYSER, '18, has a partnership in W. H. Kaysner & Co., 423 Empire State Bldg., New York City.
 ECKERT F. DOTY, '19, resides at 4370 Grayson, Detroit, Michigan.
 WINGATE RUGLINS, '19, resides at 196 School St., Milton, Mass.
 LEUIS J. MCGARTIN, '21, has a new business address of P. O. Box 114, Aptos, Calif.
 A. D. HAASEY, '21, is in charge of valuation

work for Black & Veatch at Seattle, Washington.
 GEORGE F. B. OWENS, '21, is assistant vice-president of the Brooklyn Union Gas Co., Brooklyn, N. Y. His rise in the firm has been rapid. Joining the company in 1930 as an industrial engineer, he was soon appointed domestic sales manager and later became new business manager. He served in this capacity until 1939, at which time he was elected as assistant vice-president.
 FRED S. BLACKALL, JR., '22, is president of the Taft-Pierce Mfg. Co. of Woonsocket, Rhode Island.
 HENRY J. HORN, JR., '22, is in West Orange, New Jersey, completing the reorganization of the Philadelphia office of the P. C. Leonard Company.

THETA

THEODORE H. BARKLEY, '14, is mine superintendent for the Saudi Arabian Mining Syndicate, Mahed Dabab, Jidda, Saudi Arabia.
 ROBERT T. BROWN, '31, pops up at 844 Clinton Cross Terrace, Cincinnati, Ohio.
 KURY MASHFELLEN, '37, is mechanical engineer for E. I. DuPont, 2611 Independence Rd., Cleveland, Ohio.

EUGENE J. KALB, '38, at present is living at the Huntington Hotel, Huntington, W. Va.
 ALBERT L. CRUICKSHANK, '38, sends his address as 41-18 Linden St., Brooklyn, N. Y.
 MESHOUR KIACHED, '39, works for E. I. DuPont at Richmond, Va., and does his home work at 606 West Franklin St., Richmond.

IOTA

JOSEPH C. BARTON, '17, is consulting engineer for the St. Louis Smelting & Refining Co., a branch of the National Lead Co., with offices at 722 Chestnut St., St. Louis.
 B. E. CHARLES, '21, who has been engineer and geologist for Producers Mines, Inc., Chloride, Ariz., is now at 416 Charles St., Salina, Kansas.
 HOWARD HUYED, '28, has left the Oliver

Filter Co., and is working in the shop superintendent's office at the U. S. Navy Yard, Mare Island, Calif.
 WILSON B. DAVIS, '28, manages the Shoshone Mines, Inc., Tecopa, Calif., and has been shipping ore to the Salt Lake City smelters for some months. His home is at 947 Tiverton Ave., Apt. 1, Westwood, Los Angeles, Calif.

- RUEL L. KIRKPATRICK, '30, among the production engineers of the Pure Oil Co., in Houston, Texas. He resides at 1925 Bran Ave., Houston.
- ARTHUR J. WILLIAM, JR., '32, is employed at Caddoa, Colorado, with the U. S. Engineering Dept. He designs airports and right now is resident engineer on construction of an airport at Las Vegas, New Mexico. Home address is 301 South 2nd St., Lamar, Colorado.
- BERNARD J. GRAYS, '33, resides at 4411 Kingsbury Blvd., St. Louis, Mo.
- E. J. NICKEL, '33, associated with Ralston Purina Mills, resides at 4445 Newby St., St. Louis, Mo.
- W. H. SCHWALBERG, '34, parks himself at 2237 Parkwood Ave., Toledo, Ohio.
- GEORGE O. NATINSKY, '36, does his bit for the National Tube Co., located at 415 Continental Oil Bldg., Denver, Colo.
- KENNETH F. SCHECKLER, '37, lives at 1929 No. Paulina, Chicago, Ill.
- WALTER F. BALUTA, '37, joined the forces of the U. S. Engineers, 10 East 17th St., Kansas City, Mo.
- WARREN L. DOMINELLI, '37, formerly mill superintendent for Southwestern Minerals Co., Duncan, Ark., now is located at 3901 Rockhill Rd., Kansas City, Mo.
- HARRY L. GERWIN, '38, is connected with the Hartford Steam Boiler Inspection and Insurance Co., 1904-12 Carw Tower, Cincinnati, Ohio.
- JOHN R. POST, '39, spent a "training period" at the Southern Plant of U. S. Gypsum Co., and as a reward, was made quality supervisor and mill foreman of the company's New Braunfels Mill at New Braunfels, Texas.
- EUGENE L. OLCOTT, '40, after graduation enrolled in the Bethlehem Steel Corp., "Loop Course" and as a result, now is working in the Metallurgical Dept., of the Lackawanna plant. For the past three months he has been residing at 176 Marilla, Buffalo, N. Y.

KAPPA

- JOHN E. OTT, '37, has been appointed manager of the Archer Plant of the Acme Steel Co., 2840 Archer Ave., Chicago.
- JOHN F. SCHROEDER, '30, who is engineer for Bird & Son, Inc., of Chicago, is now in the company office in Aero Drive in Shreveport, La.
- WILLIAM P. HOFFMAN, '34, holds the job of foreman of the Wisconsin Steel Works, International Harvester Co., 106 Terrace Ave., Chicago, Ill.
- C. O. REINHARDT, '34, accepted temporary active duty with the Navy Dept., Bureau of Yards and Docks and his present detail is in the purchasing office of the contractors who are building the Naval Air Station at San Juan, Puerto Rico. His address at this time is 3210 Walbrook Ave., Baltimore, Maryland.
- GORDON L. JEPPESEN, '36, puts in his working hours at Goodyear Aircraft Corp., Akron, Ohio.

LAMBDA

- W. T. BENSON, '20, announces the birth of a son, Richard William, on Feb. 14, 1941. He is now with the U. S. Bureau of Mines in Washington, D. C., on the survey of strategic metals. Mrs. Benson and the children are still at Shreveport, Calif., where he was with the St. Joe Lead Co. for some years.
- JAMES T. BONNER, '20, mine superintendent for the Leybold-Scates, Inc., Puget Sound Bank Bldg., has a new residence at 1211 N. 7th, Tacoma, Washington.
- MAJOR JOHN H. SAMPSON, JR., '24, is stationed at Fort Sill, Oklahoma, Staff and Faculty, F.A.S.
- FRED E. THACKERWELL, '28, research engineer for the Braden Copper Co., in Chile for the past six years, is now associate metallurgist in the wet-dressing section of the U. S. Bureau of Mines in Salt Lake City, Utah.
- E. R. MORGAN, '34, formerly of Salt Lake City, moved to 1005 East 1th Ave., Denver, Colo.
- HERMAN HARMIS, JR., '36, is with the Rural Electrification Administration as field engineer and has all the Minnesota projects under his wing. His present address is Box 502 Grand Rapids, (now look out) Minnesota.
- DUANE O. WRIGHT, '36, should be addressed c/o U. S. Forest Service, Ogden, Utah.
- WILLIAM L. BELKLEY, '38, was married on Oct. 12, 1940, to Miss Dortha Eileen Gibbs at St. Paul's church in Evansville, Indiana. They are living at 911 S. Alford Blvd., Evansville, Ind.
- H. DEAN WHEATER, '39, may be addressed at 415 Algonquin Road, Hampton, Va.

MU

- LEWIS E. PARSONS, '31, is employed by the State Highway Department—this time in Missouri.
- CHARLES E. BURFIELD, '32, moved to 436 Birch Place, Westfield, New Jersey.
- MELVEN L. JONES, '33, lives at 14 Woodlawn Ave., Paris, New Jersey.
- WILLIAM GEORGE PARBLOW, '33, has gone to Galax, Virginia, to act as mining engineer for Gosport Mines of the General Chemical Company.
- O. CRAIG FAY, '33, resides at 249 Highland Ave., Apt. 1, Highland Park, Michigan.

NU

- HARRY R. KASBER, '33, is special representative of the Mall Tool Co., 7740 S. Chicago Ave., Chicago, Ill. His home is at 104 Washington Ave., Haddonfield, New Jersey.
- ALFRED A. NICKEL, '33, informs us his home is at 15 Leon Road, Greentree, Pittsburgh, Pa.
- CHARLES E. CREDE, '33, moved to 7813 East End Ave., Chicago, Ill. He works in the patent department of the Standard Railway Equipment Co., 1427 Columbia Ave., Hammond, Indiana.
- ROBERT B. ROBERTS, '33, writes that he has been transferred from Akron, Ohio, to Charlotte, North Carolina, by the B. F. Goodrich Co., and is in charge of sales of mechanical rubber products in the states of North and South Carolina. His address is 1244 E. Morehead St., Suite No. 6, Charlotte, N. C.
- LT. HAROLD J. MITCHENER, '34, is at home at 3217 Middletown Rd., Pittsburgh, Pa.
- GRAHAM EMERSON SIMPSON, '34, acts as research engineer for the Linds Air Products Co., Tompanda, New York.
- LEONARD HARRIS, '34, of 4511 New Hampshire Ave., Washington, D. C., holds the position of junior engineer in the U. S. Navy Yard.
- OSVILLE C. FAY, '34, junior engineer for Chrysler Corporation, finds his home life at 191 Rhode Island Ave., Highland Park, Michigan.
- HERMAN E. MULLER, JR., '34, draftsman for Homestead Steel Works, Carnegie Illinois Steel Company, Marshall, Pa., commutes from 1051 La Clair St., Swissvale, Pa.
- JOSEPH J. LINK, JR., '40, along with Gene Olgort, Iola, and Frank Traylor, Rho, is taking the loop course at Bethlehem Steel, Maryland plant. His mail reaches him at Box 244, Rt. 10, Sparrows Point, Maryland.

OMICRON

- NEED L. ASHTON, '21, is chief designer for Ash-Howard, Needles & Tammen, 1012 Baltimore Ave., Kansas City, Mo.
- M. H. JENSEN, '30, is with the U. S. Engineers, War Dept., Galveston, Texas, and lives at the Highland Inn, Galveston.
- C. E. RANTZAU, '31, of the U. S. Engineers Corps, is working on dam construction in Texas. His home is at 4129 Coleridge, Houston, Tex.
- ERIC H. RAUSCH, JR., '31, office engineer of the planning section of the E. I. District U. S. Engineers, has been assigned to the Seattle, Washington, district.
- HAROLD A. PETERSON, '32, writes us from 32 Pershing Ave., Scotia, N. Y.
- HAROLD E. WICKHAM, '33, visited the Gear Office during the holidays. He is employed by the Peerless of America, Inc., Dallas, Texas, and was on his way to Chicago to attend a company meeting.
- W. P. BURTON, '34, as parts and accessories representative for Chevrolet Motor Co., covers territory in North Dakota and Minnesota. When not on the road he can be caught at 1421 Cottonwood, Grand Forks, N. D.
- PHIL MCCLINTOCK, '34, of Evanston, Illinois, has a new and important tale—that of daddy since the birth of a daughter named Marjorie.
- OLNEY W. FRANK, '31, has begun work for the Division of Highways in the Engineering Dept., at Fresno, Calif. He is temporarily rooming at 147 N. Fulton St., and plans to have his wife and new son, Michael, join him as soon as he locates a home.
- WILLIAM R. WINKELSHOLE, '34, dropped us a note to say he was "enjoying the editions of the Gear. They afford a means of keeping up with the splendid progress being made by the fraternity." Bill's address is 314 Seneca Ave., Bartlesville, Okla.
- FREDERIC F. KURBAS, '39, took a long joint

across country from California to New York and landed at 928 Hegeman St., Schenectady, N. Y.

JOHN F. MAY, '40, who is working for General Electric and also taking their advanced course in engineering, spends what little

spare time he may have at 923 Francis Ave., Schenectady, N. Y.

JOHN W. BOWMAN, '40, has accepted a job with the Hayes Engineering Co. of Chicago. His address is Croydon Hotel, Apt. 117, 618 Rush St., Chicago.

PI

W. S. CARTER, '36, sends his correct address at 2450 Ferryville Ave., Pittsburgh, Pa.

R. G. CARTER, '36, penned us a nice little note from 100 N. Boulevard, Richmond, Va. We'll share it with you if you'll turn to "Letters."

CHARLES C. BAILEY, '37, resides at 14 Autumn St., Apt. 11, Boston, Mass.

DOUGLAS HAMM, '40, who is employed at Lockheed Aircraft Co., resides at 112½ E. Harvard Road, Burbank, Calif.

RHO

JEFFERSON C. DAVIS, '28, renewed his Gear subscription and also told us he is associate telephone engineer in the Signal Corps of the U. S. Army. His mailing address is Monroe Ave., Little Silver, N. J.

FRANK B. TURNER, '28, whose address is Route 1, Cary, North Carolina, is mechanical engineer, plant maintenance, The Budget Bureau, Raleigh, N. C.

THOR ALFRED RYDINGVARD, '33, gives his mailing address as 622 W. 12nd St., Norfolk, Va. He is an engineer for the U. S. Engineers, War Dept., Customhouse, Nashville, Tenn.

MAX D. THOMASON, '33, is foreman of the Mechanical Shop, Cannon Mills Co., Kannapolis, N. C.

J. W. COFFEY, '34, collects letters from Box 733, Lenoir, North Carolina.

SIGMA

THEODORE J. KAUF, '28, has been granted a year's leave of absence from the State Highway Dept. of Ohio to work with the Civil Aeronautics Administration in Washington. Much of his time on the new job will be spent aiding in building new airports and expanding ports already in existence.

EDGAR R. ROBINSON, '29, as a result of a transfer from the division office of A. T. and T. Co., Long Lines Dept., Cleveland, to the General Office at New York, is residing at 632 Palisade Ave., Teaneck, New Jersey.

TAU

PARRY W. OWENS, '31, wants his GEARS sent to 933 16th Ave. So., St. Petersburg, Florida.

RONALD L. WIGGANS, '39, as a graduate assistant at Iowa State College, is doing work in applied mathematics and mechanics. Living quarters are at 1011 Second St., Ames, Iowa.

ARTHUR J. WADSWORTH, '34, is being kept busy these days in the Scintilla Magneto Division of Bendix Aviation Corp. His home address is 12 Union St., Sidney, New York.

JOHN L. BORDANOFF, '38, tests engines for Wright Aeronautical Corp., and while not working, roots at 366 12th Ave., Paterson, N. J.

HOWARD O. WARD, '40, sent us his address at 101 Chestnut St., Manchester, Conn.

FRED WELLS, '40, who works for the Wright Aeronautical Corp., at Paterson, N. J., wants his GEARS sent to Garside Ave., R. F. D. No. 3, Paterson, N. J.

DON BACKUS, '40, is working with the Ordnance Dept. and is stationed at Frankford, N. Y.

UPSILON

ROBERT M. BROWN, '29, engineers for the Arkansas State Highway Commission and cars at 811 Main St., Malvern, Arkansas.

B. J. LEON HINSHOWN, '33, is on active duty with the Ordnance Dept. of the Army. He reports he went through the "Blitzkrieg" school at Aberdeen Proving Ground,

Maryland, and then spent two more months there absorbing technic and methods. At present he is quartered at Jefferson Proving Ground, Madison, Indiana.

JAMES R. DODSON, JR., '39, helps out the Brown Oil Tools Inc., and rooms at the YMCA, Houston, Texas.

PHI

HAROLD W. CLOUD, '32, of Sealed Power Corporation, moved to 1142 West Grand Ave., Muskegon, Michigan.

PAUL M. SCHERRER, '34, informs us that his last Gear was incorrectly addressed. Don't know where we got that change, Paul—let's blame it on Yahoudi! At any rate,

Bruchee Scherr tells us he has been living at 423 Lewis St., Hammond, Indiana, for the past 24 years and intends "to live there until army life drafts me."

WILLIAM R. OYE, '40, is living at 2011 West Grand Blvd., Detroit, Mich.

CHI

LOUIS FICEL, '26, Pinal County Engineer, is located at Florence, Arizona.

ROBERT HEINEMEN, '26, acts as mineralogist at the University of Arizona for the State Bureau of Mines.

ORVAL POLK, '27, who has an additional nose to count in the Polk family now, is a Professor in Electrical Engineering at the University of Arizona.

RICHARD BENNETT, '27, is employed with the City Water Department in Phoenix, Ariz.

BILL STEENBERGEN, '29, is employed in the Engineering Extension Service, University of Arizona.

DAVID C. MINTON, JR., '30, returning from the Philippines, dropped anchor at 614 West Roosevelt, Phoenix, Ariz. From there he drifted off to Battelle Memorial Institute to take a position as research engineer.

JOHN L. ANDERSON, '30, acts as Purchasing Agent for the University of Arizona.

H. H. McMULLIN, '31, is quite contented in running his hardware store at 206 S. Washington, Prescott, Arizona. He says that he is going to visit the chapter now that he has had his family.

OTTO MANDUM, '31, is with the Gila Water Commission, Safford, Arizona.

ROBERT L. HOUSTON, '31, is assistant city engineer of Tucson.

LEO LAINE, '31, of the U. S. G. S., is situated in Memphis, Tenn.

JACOB ERICKSON, '31, P. O. Box 70, is connected with the U. S. Public Roads Administration, Phoenix, Ariz.

WELDON T. BRINTON, '31, can be found at 6 Hillside, Flagstaff, Ariz.

PETE KIERNAN, '32, is the state engineer for the Federal Agricultural Adjustment Administration, Tucson.

DELLOS GARDINER, '32, who recently returned from the Philippines for the draft call, is whiling away his time at home, 1133 E. 1st St., Tucson, Ariz.

LEON R. MAUER, '32, is working for the U. S. Bureau of Reclamation in California but states that since he is a good deal on the move, mail should be addressed to his home address, 906 South 6th Ave., Tucson, Ariz.

BILL NEWTON, '32, who is located in Los Angeles has become a member of the Los Angeles Alumni Association.

GEORGE HOUSTON, '33, is traffic engineer for the city of Tucson.

LAWRENCE BOOHER, '33, who is working for the State Agriculture Engineering Department, University of Arizona, was married last year.

KEN CLOUD, '33, is construction engineer on an arsenal at Roanoke, Virginia. His address is No. 9, Bullford Ave., Roanoke.

EARL HAMILTON, '33, superintends the production and maintenance plan of the Duncan Utility Co., Duncan, Arizona.

JOHN MCNARY, '34, is addressed as second lieutenant in the Second Armored Division at Fort Benning, Georgia.

FRANK M. CLINTON, '34, works for the U. S. Bureau of Reclamation, Worland, Wyoming.

GEORGE A. PONSFORD, '34, and Mrs. Ponsford announce the arrival of Mary Jo, March 2, 1941. George works in El Paso, Texas.

BILL TURNER, '35, serves as an advisor to

- the Dutch East Indies Air Force for the Netherlands Government.
- FRANK KELLER, '31, is employed by the General Land Office and works out of Santa Fe, New Mexico.
- COLLEEN POWELL, '31, works out of Oklahoma City for the U. S. Indian Service.
- BEN GOBY, '36, who was married last year is working with Allis-Chalmers Co.
- WALDO FREEMAN, '36, is working with KEN CLOUD, '33, at Roanoke, Virginia, on the construction of an arsenal.
- B. MARUM, '37, was married recently and is working as engineer down at the City Hall, Tucson, Ariz.
- CLAYD HOUTSON, '37, junior agricultural engineer with the U. S. Bureau of Agriculture, resides at 4126 Opal St., Oakland, Calif.
- CHARLES LAMOTHE, '37, holds down the title of second lieutenant with the U. S. Army Air Corps, Mitchell Field, Long Island.
- JOHN R. ANDERSON, '37, is his own ranch boss at Hayden, Arizona.
- ARTHUR A. PEARSON, '37, reports his address as 3144 N. Delaware, Indianapolis, Indiana.
- THOMAS E. HALL, '37, formerly of Peoria, Illinois, has moved to 1934-D Templeton St., Huntington Park, Calif.
- FELIX G. BEKKA, '37, picks up his mail at Box 134, Morenci, Ariz.
- ALYON CANNON, '38, who resides at 222 S. 49th St., Philadelphia, Pa., works for G.E.
- JIM THOMAS, '39, assists the New Catalina Copper Company, Ajo, Arizona.
- CHARLES NEUBERGER, '39, is an Ensign in the Naval Air Corps on a battleship somewhere in the Atlantic—we think.
- JIM McLEAN, '39, receives pay from the Caterpillar Tractor Co., Peoria, Illinois.
- JOHN McPHERSON, '39, has a permanent commission as a second lieutenant in the Calvary at Fort Riley, Kansas. He was married last year.
- HORACE BARBICK, '39, sells his services to the Soil Conservation Service, Stafford, Ariz.
- OTTO J. BEJICK, '39, helps out the Graham County Health Department, Globe, Ariz.
- ELLIOT CUSHING, '39, is in the Ground Water Department of the Geological Survey at Tucson.
- MARTIN DENN, '39, may be addressed at 207 Avenue C, Redonda Beach, Calif.
- FREDERICK B. CLARK, JR., '39, has a position as mechanical engineer in the Ramapo-Ajax Div. of the American Brake Shoe & Foundry Co. His home address is 1234 N. State St., Chicago.
- GEORGE WARR, '39, is associated with the Puget Sound Power & Light Company.
- JAY MEDFORD, '39, is with the U. S. Soil Conservation Service at Grand Junction, Colorado.
- ARMOUR PINKLEY, '40, holds down a spot at Parker Dam.
- RICHARD HUGG, '40, is at present working at the Magna Copper Mine, Superior, but expects to be called to the army as a second lieutenant soon.
- BILL KEENER, '40, may be addressed Box 715, Ajo, Arizona.
- HARRY KOTECKI, '40, is located at Parker Dam. His address is Box 18, Parker Dam, Calif.
- JOHN KERR, '40, has an address of 1033 S. Santa Fe, Los Angeles, Calif. He is working with the York Ice Company on the Pacific Coast.
- CLYDE LOVING, '40, was the recipient of a Government Fellowship in the College of Mines, University of Arizona.
- ANGUS McVEIGH, '40, is working with the Pacific Gas & Electric as a field man servicing gas engines. His address is 101 B. S. Church St., Visalia, Calif.
- JAck ANDREWS, '40, works for Westinghouse at Pittsburgh, Pa.
- JIM BLA, '40, has been drafted and is doing duty at Camp Backley, Texas. He is a truck private in the machine gun company but hopes to do something better soon.
- JOHN CANT, '40, is doing his bit with the Wright Aeronautical Co., 431 Broadway, Paterson, N. J.
- RICHARD GARRETT, '40, who is employed by the State Health Department, has a mailing address of 4213 N. 9th Ave., Phoenix, Ariz.
- FRED W. SHERMAN, JR., '40, is working as an assayer in Kernville, California.
- JOHN McKAY, '40, is at the present time working for the Iron King Mine, Prescott, Ariz., but he expects to be called to the draft some time in April.
- JERRY CALDWELL, '40, became a married man at the end of the last school year and at this time is employed at the Magna Copper Mine at Superior.
- HARRY J. GARRETT, '40, is a second lieutenant of the Calvary Replacement Center at Fort Riley. He is instructing new draftees in the use of rifles, pistols, and machine guns.
- PAUL WALLER, '40, at home at Miami, Arizona is working for the State Highway Department. He has taken his physical exam for the Army Air Corps and expects to be called soon.
- ALBERT FINK, '40, is employed with the Quartermaster Corps at Seattle, Washington, and right now is working on construction of Army Air Bases at Anchorage and Fairbanks, Alaska. He took the oath of office with "the little lady" to do and die unto.
- CHARLES MARSHALL, '40, works as a junior naval architect for the U. S. Maritime Commission at the Western Pipe and Steel Co.,

Ship Yard, San Francisco. The company is working on eleven cargo ships, delivery scheduled for April 1.

HENRY ALLEN, '41, a mid-year graduate, had a car accident at Coolidge while on his way home. As a result he lost about 10 per cent of the vision of his left eye. At present he is at home in Miami, Fla.

BILL SPARKS, ex '42, joined the Naval Air Corps and currently is located at Long Beach.

FRED SHERMAN, ex '42, married Miss Martha Davis last year. Fred is employed as chief assayer, water-boy, and what have you, by the Kato Mines Inc., Kernville, Calif.

PSI

JOHN E. BLUNT, '31, works for the Texas Co., Box 2100, Denver, Colorado.

JOHN MUNZENKIND, '32, may be addressed Box 71, Magna, Utah.

MELVIN E. WILLIAMS, '36, has left Ecuador and is with the Special Engineering Division in the Canal Zone, receiving mail at Box 219, Diablo Heights, Canal Zone.

WALTER DUYKERS, '39, reminds us that his address is still 2209 Locust St., Butte, Montana.

RAY GILBERT, '39, is geologist for the Jardine Mining Co., at Jardine, Mont.

RICHARD G. SCHALL, '39, represents Ingersoll-Rand Co., at Ithaca, Mich.

ROY A. MCCREARY, '39, works with Ingersoll-Rand Co., Philadelphia, Pa.

MAX A. RUDEN, '39, is engineer for the Santa Elena Mine, Sociedad Minera Sudio & Co., of S. A., Espartero Costa Rica, Central America.

HARRY E. NELSON, '40, holds down the post of assistant engineer for Anaconda Copper Mining Co., Engineering Dept., Butte, Mont.

K. DEATLEY LONGSHORKE, '40, serves as a metallurgist at the East Helena, Montana, plant of the American Smelting & Refining Co.

AUGUST F. RAMBOIER, '40, is at Walkerville, Plumas County, Calif.

OMEGA

BURTON BEILER, '32, is working for J. D. Adams Co., and is located at Miller City, Montana. His box number is 1061.

W. J. GREENGLASS, '37, is located in Yuma, Ariz., at 116 N. 7th Avenue.

DONALD F. MATSON, ex '38, writes that he is looking forward to his spring GEAR and sends his mailing address as 606-B Wilson

Pt. Rd., Middle River, Maryland. His note is published in "Letters."

PAUL B. DONALDSON, '38, reads his paper at 3830 62nd Avenue So., Seattle, Washington.

WILLIAM B. LINDLEY, '40, who has been employed as a sampler by the Miami Copper Co., Miami, Arizona, is at the University of California in Los Angeles, taking a post graduate course in meteorology.

GAMMA BETA

WILLIAM J. ELLENBERGER, '30, lives in the same city, Washington, D. C., but has a new address, 4524 Linton Ave., NW.

CHARLES J. MICHELSON, '39, turned up at 4037 7th St. NE, Apt. 3, Washington, D. C.

DELTA BETA

WOODROW W. CREE, '40, since graduation has been employed by the Fertilizer Division, Dept. of Chemical Engineering, of T.V.A. He reports he has contacted only two alumni in the Mobile Shoals area of Alabama. In case you want to look him up, the address is 112 East Tumbigbee, Florence, Alabama.

Sailor on Vacation Gets Dose of Applied Mechanics

The following, reprinted from the Houghton Line, purports to be a report from a Second Class Seaman to his commanding officer detailing the reasons for an overstay in his leave.

Sept. 7. I left the ship on ten days leave for my brother's farm in Coblerock, Ark.

Sept. 10 my brother's barn burned down all except the brick silo which was damaged at the top by the bolt of lightning which started the fire.

Sept. 11 he decided to repair the silo right away because he had to get his corn in it. I was going to help him.

I rigged a barrel hoist to the top of the silo so that the necessary bricks could be hoisted to the top of the silo where the repair work was.

After we got the repair work done there was quite a pile of extra bricks at the top of the silo on the working platform we had built. I said I would take it all down below. So I climbed down the ladder and hauled the barrel all the way up. Then I secured the line with sort of a slip knot so I could undo it easier later.

Then I climbed back up the ladder and piled bricks into the barrel until it was full.

I climbed back down the ladder.

Two canaries before starting north for the winter agreed that if they became separated during their flight the first one to reach Iowa City would wait there for the other. After several days the first canary arrived in Iowa City and waited impatiently for thirteen days for the appearance of its companion. On the fourteenth day the tardy canary showed up in bad state of repair. He was limping badly,

Then I untied the line to let the bricks down. However, I found the barrel of brick heavier than I was and when the barrel started down, I started up. I thought of letting go, but by that time I was so far up I thought it would be safer to hang on.

Half way up, the barrel hit me on the shoulder pretty hard but I still hung on.

I was going pretty fast at the top and bumped my head. My fingers also got pinched in the pulley block. However, at the same time the barrel hit the ground and the bottom fell out of it, letting all the brick out.

I was then heavier than the barrel and started down again. I got burned on the leg by the other rope as I went down until I met the barrel again which went by faster than before and took the skin off my shins.

I guess I landed pretty hard on the pile of bricks because at that time I lost my presence of mind and let go of the line and the barrel came down and hit me squarely on the head.

The doctor wouldn't let me start back to the ship until September 16, which made me two days overleave, which I don't think is too much under the circumstances.

his wings were stripped, and his tail-feathers were completely gone.

"For Heaven's sake," cried the first canary, "what in the world happened to you?" The late arrival replied, "Well, I was going along O.K. until I got to Memphis. It's true I was flying a little low but I was going along minding my own business when the first thing I knew I was in the *darnedest* badminton game I ever saw in my life!"

To All Life Subscribers

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

THE GEAR cannot be forwarded on the original postage.

Name _____

Chapter _____ Class _____

Mailing Address _____ Street

_____ Post Office

_____ State

Subscribers in military service are requested to furnish a home address, because of the frequent shifting of the military personnel.

Permanent address from which mail will always be forwarded to you:

_____ Street

_____ Post Office

_____ State

KEEP US INFORMED OF YOUR
CORRECT ADDRESS

Send to

THE GEAR OF THETA TAU
210 Engineering Bldg.
IOWA CITY, IOWA



Unusual Favors Will Put Your Party Over

The enthusiasm of your guests over the unusual Balfour party favors, proudly shown to their associates, goes a long way toward building a high social rating for YOUR chapter.

To serve your chapter better, we need to know:

- 1—Quantity
- 2—For girls, or boys, or both
- 3—Color scheme and party motif
- 4—Date of party
- 5—BUDGET for invitations, programs, and favors
- 6—Name of Social Chairman

OFFICIAL JEWELER TO
THETA TAU

L. G. BALFOUR
COMPANY

Factories . . . ATTLEBORO, MASSACHUSETTS

In CANADA it's BIRKS in association . . .

MONTREAL - HALIFAX - VANCOUVER - TORONTO

Among the BALFOUR made and sponsored items we list —

Insignia, Guard Pins, Rings for men and women, Awards, Cups, Plaques, Trophies, Hollow Ware.

Gifts . . .

Favors, Leather Goods, Stationery, Invitations, Dance Programs, Membership Certificates, Testimonials, Citations.

The cost of arms on a gift lends a distinction that only you can give.

Paste to a penny Post Card for economical and convenient inquiry. Social Chairman should write.

_____ date

L. G. BALFOUR COMPANY
ATTLEBORO, MASS.

Gentlemen:

Kindly send me FREE:

- 1941 Blue Book
 Stationery Samples
 Dance Program Samples
 Trophy Book for awards

NAME _____

ADDRESS _____

CITY _____

Fraternity _____

