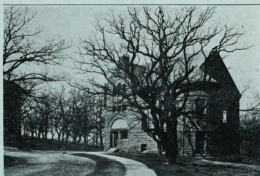


**The Old YMCA Building
Site of First National
Convention, 1911**

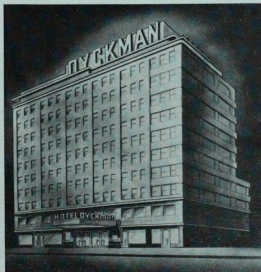


The Gear of Theta Tau

Spring, 1954

Volume XLIII

Number 2



**Dyckman Hotel
Headquarters for
Golden Anniversary
Convention, Oct. 1954**

The GEAR of
THETA TAU



SPRING, 1954

VOLUME XLIII

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

JAMISON VAWTER, Zeta '16 *Grand Regent*
307 Civil Engineering Hall, University of Illinois, Urbana, Ill.

A. D. HINCKLEY, Theta '27 *Grand Vice Regent*
90 Morningside Dr., New York 27, N. Y.

ERICH J. SCHRADER, Alpha '05 *Grand Scribe*
Box 244, Reno, Nevada

PAUL MERCER, Omicron '21 *Grand Treasurer*
1415 Grand Ave., Keokuk, Iowa

J. M. DANIELS, Nu Honorary '22 *Grand Marshal*
Carnegie Institute of Technology, Pittsburgh, Pa.

NICK TRBOVICH *Grand Inner Guard*
4225 Ivy St., East Chicago, Ind.

ROBERT L. NOXON *Grand Outer Guard*
3214 N. Priscilla Ave., Indianapolis, Ind.

DELEGATE AT LARGE

D. D. CURTIS, Omicron Honorary '19 *Past Grand Regent*
Clemson, S.C.

THE GEAR OF THETA TAU

P. L. MERCER, Omicron '21 and J. W. HOWE, Omicron '24 *Editors*
Engineering Building, Iowa City, Iowa

**Letters for members of the Council should be addressed to
the individual by name.**

ALUMNI ASSOCIATIONS AND CLUBS

Central Ohio—J. K. Dumbauld, 886 Oxford Street, Worthington, Ohio

Chicago—A. T. Swanson, 99 Ash St., Park Forest, Ill.

Cleveland—James R. McKinney, 715 Union Bldg., Cleveland 15, Ohio

Detroit—Charles Greening, 4661 Gray, Detroit 15, Mich.

Intermountain—E. J. Watts, P. O. Box 403, Salt Lake City, Utah

Kansas City—Donald L. Flanders, 5007 Wyandotte, Kansas City 2, Mo.

Los Angeles—Ben E. Gumpertz, 5715 Sunnyslope, Van Nuys, Calif.

National Capitol—Charles F. Myers, 106 N. George Mason Dr., Arlington, Va.

Northwestern—Geo. T. Hanson, 706 Locust St., Anaconda, Mont.

Twin City—Alex Kovalchuk, 2330 Fauquier Ave., St. Paul, Minn.

Southwestern—Robert L. Houston, University of Arizona, Tucson, Ariz.

Louisville Alumni Club—c/o Theta Tau, 2022 S. First St., Louisville, Ky.

Fort Wayne Alumni Club—Robt. J. Winner, 1635 Broadway, Ft. Wayne 2, Ind.

MEMBERS OF THE PROFESSIONAL INTERFRATERNITY CONFERENCE

ARCHITECTURE, Alpha Rho Chi, Alpha Zeta. CHEMISTRY, Alpha Chi Sigma. COMMERCE, Alpha Kappa Psi, Delta Sigma Pi. DENTISTRY, Delta Sigma Delta, Phi Lambda Kappa, Psi Omega, Xi Psi Phi. EDUCATION, Kappa Phi Kappa, Phi Delta Kappa, Phi Epsilon Kappa, Phi Sigma Pi. ENGINEERING, Theta Tau, Sigma Phi Delta. JOURNALISM, Sigma Delta Phi. LAW, Gamma Eta Gamma, Delta Theta Phi, Phi Alpha Delta, Phi Beta Gamma, Sigma Delta Kappa. MEDICINE, Alpha Kappa Kappa, Nu Sigma Nu, Phi Beta Pi, Phi Chi, Phi Delta Epsilon, Phi Lambda Kappa, 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) 1405 College Ave., Houghton, Michigan
- GAMMA, *Established November 8, 1907* - - - Colorado School of Mines
c/o Prof. George W. Lemaire, Colo. School of Mines, Golden, Colo.
- DELTA, *Established May 23, 1911* - - - - Case Institute of Technology
Theta Tau Box, Case Institute of Technology, Cleveland, Ohio
- EPSILON, *Established May 4, 1911* - - - - - University of California
Theta Tau Box, Hearst Mining Bldg., Univ. of Calif., Berkeley, Calif.
- ZETA, *Established April 17, 1912* - - - - - University of Kansas
(Chapter house) 1602 Louisiana Street, Lawrence, Kansas
- THETA, *Established May 26, 1914* - - - - - Columbia University
c/o Prof. Walter LaPierre, Col. of Eng., Columbia University, New York City
- IOA, *Established February 5, 1916* - - - - - Missouri School of Mines
c/o Prof. J. B. Butler, Missouri School of Mines, Rolla, Mo.
- LAMBDA, *Established April 29, 1920* - - - - - University of Utah
c/o George W. Carter, College of Engineering, Univ. of Utah, Salt Lake City
- MU, *Established January 3, 1922* - - - - - University of Alabama
P. O. Box 2043, University Alabama
- XI, *Established January 13, 1923* - - - - - University of Wisconsin
c/o Dr. G. A. Rohlich, 9 Hydraulics Laboratory, Univ. of Wis., Madison, Wis.
- OMICRON, *Established February 3, 1923* - - - State University of Iowa
Theta Tau Box, Engineering Building, Iowa City, Iowa
- PI, *Established May 26, 1923* - - - - - University of Virginia
c/o Prof. H. L. Kinnier, Col. of Engr., University of Virginia, University, Va.
- RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.
c/o Prof. T. C. Brown, M.E. Dept., N. C. State College, Raleigh, N. C.
- SIGMA, *Established November 29, 1924* - - - - Ohio State University
(Chapter House) 1946 Indianola Avenue, Columbus, Ohio
- TAU, *Established December 12, 1925* - - - - - Syracuse University
Theta Tau Fraternity, Col. of Eng., Bldg. 6, Syracuse U., Syracuse 10, N.Y.
- UPSILON, *Established April 7, 1928* - - - - - University of Arkansas
(Chapter House) 612 Storrer St., Fayetteville, Arkansas
- PHI, *Established April 21, 1928* - - - - - Purdue University
(Chapter house) 416 North Chauncey, West Lafayette, Indiana
- 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, S. Dak.
- GAMMA BETA, *Established March 16, 1935* - George Washington University
Student Union Office Bldg., George Washington Univ., Washington, D. C.
- DELTA BETA, *Established May 20, 1939* - - - - University of Louisville
(Chapter house) 2022 S. First St., Louisville, Ky.
- EPSILON BETA, *Established May, 19, 1951* - - - - - Wayne University
c/o Prof. Harold G. Donnelly, College of Engr., Wayne Univ., Detroit, Mich.

THE SCENE
OF THE
CONVENTION
BANQUET



DYCKMAN
DINING
ROOM
WILL BE

Fiftieth Anniversary Celebration Plans

All Theta Taus honor the date October 15, 1904 when Erich Schrader, Isaac Hanks, W. Murray Lewis, and Elwin Vinal, officially founded the professional engineering fraternity which was to become the largest of its kind in this country. This fall, the fiftieth anniversary of that historic event is to be celebrated. The occasion calls for elaborate plans and just such plans are under way.

No sooner had the closing session of the Nineteenth Biennial Convention in Lafayette ended than the newly elected national officers met to consider the Anniversary plans. Three major decisions were made at that time. First, a national committee consisting of H. H. Hopkins of Chicago, Russell G. Glass of Cleveland, and Donald D. Curtis of Clemson College, all Past Grand Regents, was named to be responsible for all Golden Anniversary Activities. Second, the Twentieth Biennial Convention was scheduled for mid-October rather than the customary December dates. Thirdly, and quite naturally, Minneapolis was selected as the site of the meeting.

Brother Hopkins, as chairman of the national committee, immediately set up a local committee in Minneapolis with Joe Skovholt, a former national officer, as chairman. He in turn has formed a general committee consisting of Brothers Bretoi, Britzius, Leonard, Lunn, Kovalchuk, and Manson, each of whom, as well as Alpha Chapter, has accepted responsibility for a particular phase of the local arrangements.

The first element of the celebration will be the Golden Anniversary issue of the Gear. This issue will appear in early October and will be devoted entirely to fraternity lore. It will contain biographies of the founders and

Past Grand Regents, histories of the several chapters, and historical accounts of the development of the fraternity generally. Some of the biographies already on hand make fascinating reading and guarantee that this issue will serve as a landmark in fraternity history. Chapter histories are being submitted this spring in order that the preparation of the Anniversary issue may go forward during the summer.

A call has been issued to fraternity members generally to send to Brother Curtis or Brother Kovalchuk (2330 Fauquier Ave., St. Paul) any interesting photographs, souvenirs, or other mementos of Theta Tau's history for exhibit during the celebration.

Likewise, an invitation is being issued to all Theta Taus within 500 miles of Minneapolis to be there on October 15th. Already, requests for hotel reservations have been received.

The principal event will be the Twentieth Biennial Convention, beginning Wednesday evening, Oct. 13, and continuing through Saturday morning, Oct. 16. Attending the Convention will be the Founders and all living Past Grand Regents. Never again will there be such an opportunity to see and hear the men who have made Theta Tau the organization it is.

Emphasis upon alumni attendance is made for Friday and Saturday. The banquet on Friday night will be the outstanding event of the celebration. On the next day, following the adjournment of the Convention, the Minnesota-Illinois football game will top off what will no doubt be a stimulating and enjoyable week end for all Theta Taus.

Convention headquarters are to be in the Hotel Dyckman. There are other

hotels in this vicinity in case of an overflow of Theta Taus for this big event. October is usually a scenic

month in Minnesota and, for Theta Taus, no meeting could hold greater interest. Plan now to attend!

Russell Glass Receives Alumni Award



On February 16th, Russell Glass, Sigma '24, was presented an award at

Ohio State University as the outstanding fraternity alumnus of 1954. His name had been put in nomination by his social fraternity, Phi Sigma Kappa.

Brother Glass has also been an outstanding alumnus of Theta Tau, serving on the Executive Council from 1934 to 1946 during which time he led the Fraternity through the critical war years as Grand Regent. He is at present the president of the Professional Interfraternity Conference. The recognition given him by his alma mater was based in part upon his activities as an undergraduate, but chiefly upon his many accomplishments since leaving Ohio State.

Chi Initiates Two Professors Into Honorary Membership

Chi Chapter has elected two University of Arizona professors into honorary membership in Theta Tau. They are James L. Knickerbocker, Assistant Professor in Electrical Engineering and Heliodore A. Marcoux, Professor of Mechanical Engineering.

Professor Knickerbocker was born August 25, 1921 and, after serving in the U.S. Navy during World War II, was graduated from the University of Colorado in 1946 with a B. S. degree in Electrical Engineering. Following his graduation, he taught and did graduate work at Iowa State College. Brother Knickerbocker started teaching at the University of Arizona in

1950 and prior to that time worked for a year for the Bureau of Reclamation.

Professor Marcoux was born in 1911, received his B.S. degree from the U.S. Naval Academy in 1934, and his M.S. degree from Cornell University in 1944. Brother Marcoux has had naval experience from 1934 to 1939 as a naval aviation pilot and was discharged because of physical disability in 1939. From 1939 to 1950 he was active in the mechanical engineering field and in 1950 joined the staff of the University of Arizona. He is also a member of Tau Beta Pi, Pi Tau Sigma, and Acacia.

Definitions of College Fraternities and Societies

The National Conference on College Fraternities and Societies, an organization sponsored by a number of national educational and fraternal groups, recently issued a statement containing definitions of college fraternities and societies for distribution to faculty and administration members and advisers, student leaders, and to fraternal officers in general.

The N.C.C.F.S. statement was issued in answer to numerous requests from colleges and universities for succinct and explicit statements defining honor and recognition societies and social and professional fraternities with their basic purposes, standards, and membership requirements. The following excerpts from an informative statement by the N.C.C.F.S. will also be of interest and assistance to members of Theta Tau.

HONOR SOCIETIES

An Honor Society is an association of primarily collegiate members and chapters whose purposes are to encourage and recognize superior scholarship and/or leadership achievement either in broad fields of education or in departmental fields at either undergraduate or graduate levels. Basic standards and requirements for membership include the following:

1. General honor societies which base membership eligibility primarily upon the attainment of high scholarship in a broad field of study shall elect members from the highest 20 per cent of the class in scholarship.

2. General honor societies which base membership eligibility primarily upon all-around leadership attainment in student affairs shall elect from the highest 35 per cent of the class in scholarship.

3. Departmental honor societies

which elect persons actively interested in a specific field shall elect from the upper 35 per cent of the class in scholarship.

4. Election to membership shall be irrespective of membership in or affiliation with other organizations and associations.

5. Membership shall be conferred solely on the basis of character and specified eligibility.

6. No solicitation or propaganda, such as rushing and social pressure, shall be used to insure acceptance of invitation to membership.

7. Collegiate chapters of member ACHS societies shall be established only in four-year or more degree-granting colleges and universities that are accredited by the appropriate national or regional accrediting agency.

A recognition Society in an organization which confers membership in recognition of a student's interest and participation in some field of collegiate study or activity with more liberal membership requirements than are prescribed for general and departmental honor societies. — *Association of College Honor Societies*

SOCIAL FRATERNITIES

Men's Social College Fraternities are mutually-exclusive, self-perpetuating groups which organize the social life of their members in accredited colleges and universities as a contributing factor to their educational program; and draw their membership primarily from the undergraduate body of the institution. — *National Interfraternity Conference*.

PROFESSIONAL FRATERNITIES

A professional fraternity is a specialized fraternity which limits its student membership to a specific field of pro-

fessional education in accredited colleges and universities offering courses leading to recognized degrees therein; which maintains mutually exclusive membership in that field, but may initiate members of the general social fraternities; and which organizes its group life specifically to promote professional competency and achievement within its field. The professional fraternity confines its membership to qualified male students (and faculty members) in a particular profession who are pursuing an organized curriculum leading to a professional degree in that field, has a minimum

scholastic requirement for membership usually above passing, elects its members after a careful investigation and generally by a unanimous secret ballot. It initiates its members early in their professional college life, enabling them to participate actively and beneficially in the professional aims of the fraternity, holds frequent meetings, conducts professional and social activities, and frequently maintains a chapter house or quarters. Professional fraternities also sponsor programs of special value to alumni members. — *Professional Interfraternity Conference.*

THE BENT of Tau Beta Pi

Jack C. Mommsen Awarded DFC

First Lieutenant Jack T. Mommsen, Chi '54, has been presented the Distinguished Flying Cross for bravery in action in Korea on April 14, 1952.

On that day, Mommsen was piloting a light, unarmed aircraft over enemy-held territory, in order to direct friendly artillery fire on enemy positions. Suddenly the left wing of his aircraft was hit by hostile anti-aircraft fire, causing serious damage and impairing flight control. The DFC citation states, "Realizing the present and potential danger of the situation,

Lieutenant Mommsen nevertheless remained exposed to intense hostile fire and continued to direct the friendly artillery barrage until the enemy positions were destroyed."

Brother Mommsen, a veteran of World War II, was recalled to active duty in 1950 and was released in 1952. He has resumed his work at the University where he is one of the two highest students in scholastic standing in the College of Mines. He received the medal at an R.O.T.C. review parade at the University of Arizona.

A. B. Martin Joins Washington Water Power

A. B. Martin, Gamma '23, Butte mining engineer and chief engineer of the Montana Power Co. since March, 1950, has resigned to accept the position of research consultant with the Washington Water Power Co. at Spokane. Brother Martin, a member of the mining engineering firm of Martin Brothers, graduated from the Colorado School of Mines in 1923 and joined

the Montana Power Co. in 1931 as gas line construction engineer. In 1952 he was honored by the Colorado School of Mines with a medal for distinguished achievement in mining engineering. He was chairman of the Montana Section of the A.I.M.E. in 1950 and has been a member of the Mining Association of Montana for many years.

Professor Makes Glass from Kansas Sand

Glass is now being made commercially from Kaw River sand because a University of Kansas faculty member insisted the glass manufacturing company was passing up a good bet.

Brother Frank W. Bowdish, Psi '39, of the K.U. mining and metallurgical engineering department, began working on the problem of utilizing Kaw River sand when he first joined the faculty at Lawrence. From his work with the Kansas Geological Survey,

West Virginia. The cost of the silica transported from St. Louis was \$5 a ton, and the feldspar from West Virginia cost \$20 a ton.

Professor Bowdish realized that Kaw River sand would cost far less than the materials it might replace. However, there was one drawback. Kaw River sand, containing a small percentage of an iron bearing mineral, could not be used in the manufacture of fiberglas.



Professor Bowdish knew that Kaw River sand contained two of the principal ingredients necessary to produce glass.

Both silica and feldspar occur in Kaw River sand in nearly the right proportions for glass manufacture. When the Owens-Corning Fiberglas Corporation recently established a plant in Kansas City, these two minerals had to be imported—silica from St. Louis, Mo., and the feldspar from

In the process of making fiberglas, the principal product of the Kansas City plant, hot glass in the form of a liquid is passed through a platinum screen, transforming the liquid into fibers. Platinum is a costly metal, and a glass mixture which contains iron would have ruined the platinum screen, since iron has an affinity for platinum and readily alloys itself with that metal. Unless the iron could be removed from the glass sand it was use-

less to the glass manufacturer, even though it contained the necessary silica and feldspar, was close at hand, and occurred in about the right proportions for glass making.

Brother Bowdish, working with Kansas sands in connection with the Geological Survey's program to develop new industries within the state, was convinced that a fairly simple method could be found to remove the iron from Kaw River sand and make it suitable for glass fabrication. After trying several different methods, he set up a large electromagnet. As the grains of sand ran down a slide, the iron particles were attracted to the magnet and were shunted off to one side, while the silica and feldspar continued on their way.

It took almost two years of experimenting by Professor Bowdish and the

Owens-Corning researchers to prove that the scheme was practical and to interest a sand producer in it. The Stewart Sand and Material Co. of Kansas City installed the additional equipment needed to refine the sand in a quantity large enough to supply the needs of the Owens-Corning plant. The fiberglass company had invested over a million dollars in its glass furnaces, and to minimize the risk of having them ruined, started by using a small quantity of Kaw sand and increased the amount gradually. However, Brother Bowdish had done his work well, and today the glass output of the plant at Kansas City is made with Kaw River sand as the base material. The saving for the company is nearly \$200,000 a year.

Kansas Alumni Magazine

Frank W. Edwards Assumes New Post



The Stanley Engineering company, Muscatine, Iowa, has opened a new Chicago office in Room 409-10 of the

Utilities Building, at 327 S. La Salle St., with Frank W. Edwards, Omicron '28, in charge. The new office will provide improved consulting service to industrial and other clients in the Chicago area.

Brother Edwards leaves his former position as director of civil engineering at Illinois Institute of Technology. He has been at Illinois Tech since 1948, and prior to that he taught at Carnegie Institute of Technology and at Pennsylvania State College. While on leave from Illinois Tech in 1952, he was general manager of the Centennial of Engineering held in Chicago.

A member of the American Society of Civil Engineers, he is president of the Illinois Section. Brother Edwards served the Fraternity as Grand Inner Guard from 1948 through 1952.

What Registration Means for Professional Engineers

By Prof. Leslie J. Reardon
Case Institute of Technology

In 1933, Ohio became the 28th state to enact a registration law for engineers. By 1950, there were similar laws in every state in the union, District of Columbia, Alaska, Hawaii and Puerto Rico. The legal registration of members of the engineering profession is the exercise of the police powers of the state.

The work of no other profession more truly concerns the safety of life, health, and property than does engineering. Without registration laws, there is no way to (1) stop the practice of engineering by the non-engineer, (2) stop the misappropriation and abuse of the designation, "engineer," (3) oust from the profession those who prove incompetent and unworthy, (4) preserve to the qualified engineer his rights of practice against restriction, encroachment, and unqualified competition.

Registration is intended to insure that only those persons who meet fixed educational and experience requirements may practice in the profession. Registration protects the public and also the educated or trained professional man by having his qualifications certified, while the non-competent and unfair competition is restricted or eliminated.

The "practice of engineering" is

For the past seven years, Professor Leslie J. Reardon, Delta '27, has directed the refresher courses given at Case for those contemplating the state examinations for registration as professional engineers. More than 1,000 persons have taken the training and Brother Reardon has become the focal point for information regarding the requirements for professional engineers.

defined as including "any professional service, such as consultation, investigation, evaluation, planning, design, or responsible supervision of construction or operation, in connection with any public or privately owned public

utilities, structures, buildings, machines, equipment processes, works, or projects in the proper rendering of which . . . (the Code) is required to protect public health, safety, and property."

It is the intent of the act that every person (excepting locomotive, stationary, and refrigeration engineers) with a title of engineer, or including the word engineer or a derivative thereof, shall be registered. There are exemptions that should be noted, particularly: (1) a non-resident engineer, registered in another state, may practice in Ohio for not more than 60 days in any calendar year; (2) a subordinate or employee of a registered engineer, provided said subordinate is not in responsible charge of design or supervision; (3) officers and employees of the U.S. Government; (4) elective officers of political subdivisions of the state.

There is a reciprocal arrangement between most states, whereby one's registration in his original state qualifies

him for registration in another state provided his original registration was obtained under a registration act with standards equal to those prevailing at that time in the state in which he is now applying. There seems to be considerable confusion and misunderstanding by engineers on this state reciprocity. One hears many stories about a state which will not honor the registration from some other state. Upon investigation, it is usually found that

the person has been registered without examination, which was permissible at the time in his original state, but at the same time the state in which he now is applying had a requirement that everyone should take a written examination. Therefore, he is told that he will have to take a written examination. If one is registered in any state by virtue of a written examination, he should encounter little difficulty in becoming registered in another state.

P. Frederick George Receives Dow Award



P. Frederick George, Beta '32, of the Dow Chemical Company's Metallurgi-

cal Laboratories, has received the Willard H. Dow Memorial Award for research in magnesium.

Brother George has been associated with Dow Chemical for 18 years. In 1947 he was the winner of a \$1,500 award, sponsored by the James F. Lincoln Arc Welding Foundation, for his research study into the welding of magnesium sheet alloys by the elimination of weld cracking. He is a member of the American Society for Metals and the author of a number of published articles on magnesium metallurgy. Brother George lives at 810 State St., Midland, Michigan.

*Michigan College of Mines
Alumni News*

E. Ralph Edgerton Receives Conservation Award

A well known Spokane business man, Brother E. Ralph Edgerton, Alpha '07, recently received an award for outstanding service in the field of conservation. He has long been associated with the timber products bureau of the Spokane Chamber of Commerce, and received the award from Nash Motors "in recognition of exceptional service in the cause of conservation."

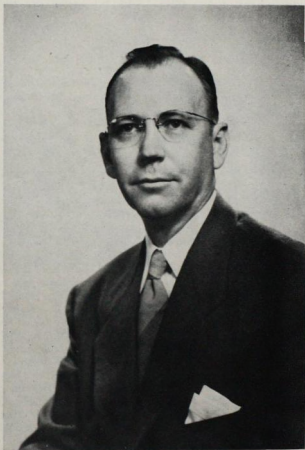
He has pioneered the "Don't flip your cigarette" campaign in the Spokane area.

Brother Edgerton is gradually retiring from his business as an insurance consultant and is enjoying a newly built home. He holds the distinct honor of being the first initiate whom the Founders took into Alpha Chapter in 1904.

J. W. MacKay Named Assistant Sales Manager At Acipco

Brother J. W. MacKay, Mu '35, has been appointed assistant general sales manager of the American Cast Iron Pipe Company.

ger since June 1952. He joined the company in 1936 and his experience includes work in Research and Testing, Engineering Department, Melt-



Brother MacKay has been employed in the Southern Sales Department of the American Cast Iron Pipe Company since the early part of 1951, having served as assistant Southern Sales mana-

ing Department, Publicity Department, Kansas City Sales Office, Plant Engineering, Special Products Department, and Sales Engineering.

Born in Asheville, North Carolina,

MacKay was graduated from Danville, Va., Military Institute. After attending the University of North Carolina and spending one summer at Western Michigan College, he was graduated from the University of Alabama in 1935 with a B. S. degree in Aero Engineering and a year later received his

B.S. degree in Civil Engineering. Brother MacKay belongs to several professional societies, including Tau Beta Pi. He is married, has three children, and resides at 337 Lucerne Boulevard, Homewood, Birmingham, Ala.

The 'Bama Beam

John R. Donnell Featured in "Finance" Magazine



Finance magazine, business-financial monthly published in Chicago, featured John R. Donnell, Delta '34, treasurer, Ohio Oil Co., Findlay, Ohio, on the cover of its October issue and its cover-photo article. The story "followed" Donnell through the 79th annual convention of the American Bankers' Association at Washington, D.C., seeing the session "through the corporate treasurer's eyes".

Selected as the subject in the 15th of a series featuring corporate treasurers, Brother Donnell was accompanied the greater part of the day at the convention by *Finance's* photographer. The article has ten candid photos of Donnell visiting with key persons of the United States government and Bankers' Association execu-

tives with text giving his impressions of the meeting, addresses, economic outlook, and the cooperation among the organization's members.

Brother Donnell was described as "... no johnny-come-lately to either banking or business." He is chairman of the board of the First National Bank of Findlay. His career with Ohio Oil started in 1936 as a special representative in the executive offices. He became assistant to the production manager in 1944 and was elected treasurer in 1950. Donnell has been a director of the bank since 1939 and chairman of the board since 1947.

One of Brother Donnell's major interests is the Boy Scout program. He is chairman of Region Four which includes Ohio, Kentucky, and W. Virginia. With his election as region chairman, Donnell also became a member of the national executive board. Other activities include presidency of the Findlay Board of Education, Ohio Chamber of Commerce, Findlay Hospital Association, chairmanship of the First Presbyterian Church building committee, membership in the Findlay Rotary Club, and serving as Findlay representative on the Case Alumni Council. Brother Donnell lives at 2200 S. Main, Findlay, Ohio.

Case Alumnus

James S. Westwater Advances With Cleveland-Cliffs Iron Company



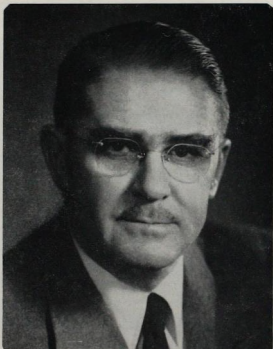
Cleveland-Cliffs Iron Company has named James S. Westwater, Beta '34, as general superintendent of Michigan Operations. Following graduation Brother Westwater went to South America where he was employed by Chile Exploration Company. In 1940 he joined Cleveland-Cliffs, starting out in the Engineering Department. He was placed in charge of operations at the Princeton Mine in 1944 and was transferred to the Mather Mine "B" Shaft as superintendent in 1946. He became over-all superintendent of the Mather Mine in 1950 and district superintendent in 1952.

Brother Westwater has been active in the affairs of his community, serv-

ing on the Executive Board of the Hiawathaland Council Boy Scouts and as a director of the Northern Michigan Children's Clinic. He is a member of the Board of Managers of the Michigan Tech Alumni Association. He is a member of the American Institute of Mining and Metallurgical Engineers, and his article, "Sinking with the Hydromucker at Mather 'B' Shaft", was published in MINING TRANSACTIONS of June, 1940.

The Westwaters have four children—a son, James S. Jr., and three daughters—and make their home in Ishpeming.

*Michigan College of Mines
Alumni News*

Fred A. Davies Heads Board of Aramco

Fred A. Davies, Alpha '16, has served since 1952 as chairman of the board of the Arabian American Oil Company, giant production company in the Saudi Arabian field, owned jointly by Standard Oil of California, Standard Oil of New Jersey, and the Texas Company. Brother Davies is the man largely responsible for having found and unlocked the door to the black gold treasure concealed in the bleak desert sands of Saudi Arabia.

Sent to the Persian gulf for the first time in 1930 as a geologist for Standard Oil Company of California, Brother Davies located the first wild-cat well, which became a successful

producer on Bahrein Island. While on Bahrein, he became convinced that oil could be found on the nearby mainland of Saudi Arabia. Development of the field, in which he had a leading role, confirmed his judgment.

Standard Oil of California obtained a concession in Saudi Arabia in 1933 and in 1940 Davies became president of the California Arabian Standard Oil Company. In 1944 the name of the company was changed to Arabian American Oil Company and during the period of intensive development of Saudi Arabia's oil resources Davies left the presidency to take personal charge of exploration and production there.

In 1952 Aramco produced more crude oil than any other company in the world—301,860,885 barrels.

Between the time of his graduation from Minnesota and his entry in the search for oil in the Middle East,

Brother Davies was a metallurgist for the Anaconda Copper Company, a research assistant in the U.S. Chemical Warfare Service in Paris, and an oil geologist in the Rocky Mountain area.

Minnesota, Voice of the Alumni

Lewis M. Allen Joins Birmingham Office of Harbison-Walker

Lewis M. Allen, Rho '50, has been added to the staff of the Birmingham District Sales Office of Harbison-Walker Refractories Company.

Upon graduation from North Carolina State, Brother Allen became associated with the Isenhour Brick Company as a sales engineer. Since May, 1952, he has been employed in the home offices of Harbison-Walker in Pittsburgh. His present position in Birmingham is sales engineer.



Keith Stevens Oversees Conneaut Harbor

Keith Stevens, Delta '28, supervises operations at one of the major points on the Great Lakes inland waterway system. Brother Stevens is president and general superintendent of the Pittsburgh and Conneaut Dock Co., Conneaut, Ohio, a subsidiary of the U.S. Steel Corp.

He was pictured on the cover of the *Marietta Alumnus* magazine recently, as an outstanding alumnus of Marietta College which he attended before enrolling at Case. Besides the B.A. which he earned there, Brother Stevens re-

ceived Bachelor's and Master's degrees from Case in mechanical engineering.

Going to Conneaut in 1929, he started as assistant to the master mechanic at the docks and progressed through various positions, reaching his present office in 1941. His firm is nearing an all-time record of unloadings, the previous record having been set in 1942 with 12,565,000 gross tons. Ore arrives in Conneaut from the upper Great Lakes and is trans-shipped by rail to the Pittsburgh district.

Case Alumnus

L. W. LeRoy Appointed to Pacific Committee



Dr. L. W. LeRoy, Gamma '32, Head of the Department of Geology at the Colorado School of Mines, has recently been appointed to the Datum Plane Committee of the Western Pacific Region. The purpose of this Committee will be to integrate all geological and paleontological data for the purpose of establishing more accurate time subdivisions of the geologic column of this region.

J. P. Gill Heads Vanadium-Alloys Company

Directors of the Vanadium-Alloys Steel Company, Latrobe, Pennsylvania, in a meeting November 24th elected James P. Gill, Iota '18, president of the company.

Brother Gill joined Vanadium-Alloys in 1920 as chief metallurgist and was elected vice-president in 1943 and in 1945 was made chairman of the executive committee of the Vanadium-Alloys Steel Company and subsidiaries. He is president of Colonial Steel Company and was recently named president of Vanadium-Alloys Steel Canada Limited.

Brother Gill, an extremely active member of the American Society for Metals, has been interested in that organization's activities since its founding. He served as Pittsburgh Chapter chairman of the group in 1926-27, as chairman of the committee which published a handbook of the organization in 1939, as a trustee in 1937, and was elected national president for 1939-40.



Well known and recognized as an authority on tool steels within the metal-working industry, Brother Gill has written many articles and books,

and is a much sought after speaker and lecturer for technical groups and societies.

He was born in Montgomery City, Missouri and after receiving his Bachelor of Science degree in metallurgical engineering at Missouri School of Mines in 1918 and his Metallurgical Engineering degree in 1919, he re-

turned to Missouri Mines in 1922 and completed work for the Master of Science degree in metallurgical engineering. At the 75th Anniversary Convocation on the Missouri School of Mines campus he was awarded the honorary degree of Doctor of Engineering.

Missouri School of Mines Alumnus

Wallace R. Persons Named President of Emerson Electric

Formerly vice-president and general manager of the Lincoln Electric Co., Cleveland, Wallace R. Persons, Delta '31, has been elected president and a director of the Emerson Electric Manufacturing Co., St. Louis Mo.

Brother Persons, joining Lincoln Electric in 1934, served as a sales manager in western Pennsylvania for several years and in 1937 became district manager in Pittsburgh. There he pioneered in the development of demonstration selling as applied to engineering processes and equipment. The program was later put into effect throughout the company.

Moving to Cleveland in 1944, Persons was appointed assistant sales manager. He planned and developed a program that resulted in a ten million dollar annual addition to Lincoln's business. Three years later he became vice-president in charge of sales and a member of the company's executive committee.

Last year Case Institute presented Brother Persons with a citation for outstanding achievement in his professional field. Having obtained his Master of Science degree from the College in 1932, Persons has been active in alumni affairs and is a member

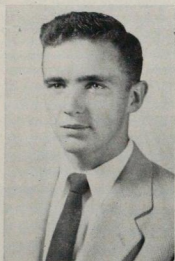


of the College's development committee.

Brother Persons is affiliated with numerous professional societies. The son of the late Wallace R. Persons who was also a Case alumnus and active in the affairs of the school, Persons desired to have his father's memory perpetuated in some useful way and consequently established the Wallace R. Persons '03 Scholarship Fund in 1951.

Case Alumnus

Donald Olson Reports on Scholarship Year



In the summer of 1953 Donald H. Olson, Alpha '52, was awarded the Fraternity's Graduate Scholarship of \$500. Brother Olson, a civil engineer, took part in intramural athletics and was a member of the Ski Club and the Toastmasters' Club as an undergraduate, as well as serving as treasurer of the student chapter of A.S.C.E.

He was practically self-supporting, through summer work with the USGS and part-time employment with the University of Minnesota. As his graduate year nears its close, he has this report to make.

"My time spent under the Theta Tau Scholarship this year has been most successful and fulfilling to me. Successful because I have only a small amount of work left on my thesis to complete my Master's degree requirements. Fulfilling because it has given me more time to study in fields related to my own plus just things in general that I have been interested in. Most of my spare time has been spent in our architectural department, where I have heard almost all the lectures of "imported" architects of fame besides doing a lot of discussing and reading.

"Again I thank Theta Tau for the scholarship. It makes this business of getting an education so easy when a person is not only interested in it himself but someone else is interested for him.

In H & T,
Donald H. Olson"

Frederick W. Buck Is Prominent Minnesota Businessman

Frederick W. Buck, Alpha '09, partner of Stryker, Manley and Buck, Duluth, Minn., real estate and insurance firm, was born in Towanda Pa., moved to Duluth at an early age, attended public schools there and graduated from the University of Minnesota. His first job was with D.M. and N. Railroad (now D.M. and I.R.) at Proctor, Minn., as a draftsman. In 1912 he entered the employ of Stryker,

Manley and Buck and has been with the firm since then.

Brother Buck is a director of Northern Minnesota National Bank and Minnesota Power and Light Co., has served on the board of directors of Duluth Community Chest since 1922, is president of Duluth Community Trust and Duluth District of Minnesota Division American Cancer Society, chairman of Duluth Campaign Re-

view Council and member Executive Committee of Minnesota Community Research Council. He is a past president of Duluth Community Chest, Duluth Y.M.C.A., Duluth Chamber of Commerce, Duluth Board of Realtors and Duluth Building Owners and Managers Association and past director of the National Association of

Real Estate Boards. He was co-chairman of the War Finance Committee for St. Louis County during World War II and commanding officer of the Coast Guard Reserve Harbor Patrol in Duluth. Brother Buck's hobbies are hunting, fishing and boating.

Duluth News-Tribune

Gene Rogers Edits 'Kansas Engineer'



Gene Rogers, Zeta '54, a senior in electrical engineering at The University of Kansas, finds time to make the dean's honor roll and take an active part in campus politics as well as editing the 1954 *Kansas Engineer*. Brother Rogers is vice-president of the

All Student Council, holds a residence hall scholarship, and is the recipient of one of the John Morris Memorial Fund awards. This scholarship is granted to juniors who are outstanding in electrical and mechanical engineering.

The Jayhawker

Stanley Etzen Becomes Ensign



During graduation exercises held last August at the Navy's Officers Candidate School, one hundred eighty former officer candidates exchanged the white caps of enlisted men for the gold trimmed hats of officers in the Navy's Supply, Civil Engineering, and Medical Service Corps. Among them was Stanley B. Etzen, Omicron '53, an M.E. graduate of the State University of Iowa.

The former officer candidates com-

pleted a two months' course to familiarize them with the fundamentals and requirements of a naval officer's life. They then reported to service schools maintained by their respective corps for further training in the special duties they will assume.

Brother Etzen is well remembered at Iowa for his fine performance as Co-Master of Ceremonies of the Mecca Smoker of 1953.

The Transit

Arnold S. Bunte Joins Colorado Mines Faculty

Arnold S. Bunte, Gamma '26, has been appointed associate professor of geology at the Colorado School of Mines for the 1953-54 academic year. Brother Bunte graduated from Colorado Mines with a geological engineering degree and has also done graduate study at the University of Oklahoma.

A former geology consultant, Brother Bunte worked several years for the Shell Petroleum company as a geologist and engineer. In addition, he has been employed by the Kingwood Oil

Company, Red Rose Mining Company, The Navarro Oil Company, and the Harvey A. Heller Company. Last year he served as division manager of the Permian Basin for Vickers Petroleum Company, Inc., having been associated with that company since 1941 in positions as chief geologist, chief engineer, and exploration manager. He was promoted to division manager in 1951. Brother Bunte assumed his new duties in September, 1953.

Col. A. C. Nauman New District Engineer

Col. Arthur C. Nauman, Kappa '34, recently of the Office of the Secretary of Defense (on the military liaison committee for the Atomic Energy commission) now is district engineer, U.S. Army Engineers, Detroit District, with headquarters at 1900 Cadillac Tower in that city.

Brother Nauman served in the South Pacific in World War II, was in charge of important construction in Alaska, and at the time of his appointment was at Sandia base in New Mexico.

Illinois Alumni News



Tribute Paid to Col. Jack P. Campbell

The *Moroccan Courier* July '53, published in Casablanca, dedicated the entire issue to the East Atlantic District, U.S. Corps of Engineers in Morocco. Col. Jack P. Campbell, Iota '24, has been the district engineer of this district from 1950 until his recent completion of assignment. Now Broth-

er Campbell is back in the U.S. and his new assignment is Professor, Military Science and Tactics, Carnegie Institute of Technology at Pittsburgh, Pennsylvania. His son is now attending the U.S. Military Academy at West Point.

Harry Darby Receives Alumni Honors

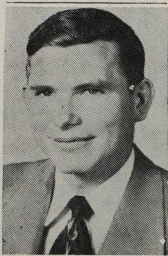
A distinguished service certificate recently was awarded by the Greater Kansas City Alumni club of the University of Kansas to Harry Darby, Kappa '17. Brother Darby, who received the M.E. degree from the University of Kansas in 1929, has transferred his membership to Zeta Chap-

ter. He is a Kansas City civic and industrial leader and former senator. A picture of Brother Darby appeared in the Kansas alumni magazine on the occasion of his visit to the university homecoming last fall.

Illinois Alumnus

"Hello, Honey, I could hardly wait to tell you what's happened . . . Dad's cut off my allowance, I had to sell my

car and drop my fraternity, but we can still have fun just . . . Hello? . . . Ann? . . . Hello? . . .



Billy B. Oliver *Honored*

Billy Barnes Oliver, Rho '54, has been named the Outstanding Engineering Student at North Carolina State College for 1953-54. Brother Oliver was chosen Regent of Rho Chapter for this year, but college regulations governing the amount of extra-curricular activities in which students may participate, forced him to resign this position when he was elected President of the Campus Government. Now he brings additional honor to his fraternity with his selection as North Carolina State's outstanding engineering student for this academic year.

A. Leo Gallagher Heads Montana Mines Alumni

At the annual banquet of the Montana School of Mines Alumni Association, held last summer, A. Leo Gallagher, Psi '37, was elected president of the Association. More than 125 members and guests were in atten-

dance. Other Psi Alumni elected to office were John M. Conrow, '33, second vice president, and Rayworth F. Howe, '34, secretary-treasurer.

de Re Metallica

"Anything to declare, Madam?" asked the customs officer.

"No," she replied, "not a thing."

"Then I presume, Madam," said the official, "that the fur tail hanging down from under your coat is your own."

If all the automobiles in this country were placed end to end, it would be Sunday afternoon.

There's a story about a howling blizzard in the Swiss Alps during the

Middle Ages. One of the famed Saint Bernards was patrolling the mountain-side and found a knight in armor lying in the snow, too weak to uncork the brandy flask and revive himself. The great hound helped the knight climb up on his back and struggled through the snow to one of the shelters.

Hearing a knock on the door, one of the monks opened it to find the knight and the dog. "Come in, come in," he said. "I wouldn't leave a knight out on a dog like this!"

T b e G E A R *o f* T H E T A T A U

OFFICIAL PUBLICATION OF THE FRATERNITY

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

Editors

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A ROLLING STONE

As these lines are written, Grand Regent Jamison Vawter is in the midst of his tour of Theta Tau Chapters. Never before, probably, has one of our Officers undertaken to visit so many of our active groups during a single year, but this winter and spring our Grand Regent hopes to call on a great majority of our Chapters, travelling from coast to coast and reaching deep into the south as well as stopping on those mid-west campuses closer to his home.

This is a tremendous undertaking and one not often accomplished excepting by the travelling secretaries of the larger fraternities. It is a labor of love and is typical of Jamison Vawter who has served his Fraternity so faithfully and well over a great many years. His tenure of twenty-seven years as Grand Treasurer may never be equalled again. It is loyalty and devotion such as this, that make ours a great Professional Engineering Fraternity.

PLM

SILVER THREADS AMONG THE GOLD

With this issue, ye editors complete their twenty-fifth year of continuous

publication of the *Gear*. This is the fiftieth issue that has gone through the process of printers' copy, galley proof, page proof, and press proof under our watchful (and sometimes unseeing) eyes. At the beginning we had more courage than knowledge. But we learned a lot from the old printer who published the magazine—methods, processes, type faces, printer's jargon, papers, engraving, proof reading, costs, taxes—all such non-engineering knowledge we gradually absorbed.

The problem of material for the magazine has been made easy through the years because of Erich Schrader's wonderful cooperation. He has kept a constant stream of alumni news, obituaries, and clippings coming our way throughout the entire period. In all fairness, his name should have appeared on the masthead from the beginning.

We were in on the formation of the Life Subscription plan at the Minneapolis convention in 1929. Brash youngsters we were then. Figured that we could keep track of practically every alumnus and earn 6 percent on all invested funds. Experience proved us wrong on both counts, but fortunately from the financial standpoint, we have lost track of alumni to a

greater extent than we have failed to earn 6 percent on investments. So the life subscription endowment has continued to grow. It has passed the \$45,000 mark despite our 1929 prediction of a peak of \$13,000 in 1947.

We have attended and reported on all of the conventions since the 9th in 1929—our first. In the early days we went the rounds with the delegates and kept up on the nocturnal activities of the boys. In recent years we

have settled for a good session with the old friends who hang out in the Grand Regent's suite. It's warm and comfortable there and the call of the bright lights is poor competition.

You guessed it, there's silver in the hair now—a lot of it. Hence, in this Golden Anniversary year of our fraternity, we modestly call attention to the "silver threads among the gold."

JWH

The Grand Regent Says



This spring, with the help of a leave of absence, I have been visiting as many chapters as I possibly could. I hope to visit a total of eighteen before the end of the present school year.

I have been very well pleased with the result of my visits so far. Judging from the personnel of the active chapters I have met, Theta Tau has little to fear in the forthcoming years. We are to be congratulated on our membership.

I send greetings to all I have met and also to the chapters I have been unable to visit.

In H & T,
Jamison Vawter
Grand Regent

Letters To the Editors

18 Academy Rd.
Morris Plains, N. J.

Dear Brother Howe:

On September 16, 1953 I was released from active duty because of previous service in W. W. II, so I have another change of address from the one I had given you this past summer to the one above.

This move should be for a long time to come, the last. My family (daughter Kathleen, born June 30, 1953) and I are living in our own home now. Also, I have returned to my job as Member of Technical Staff, Bell Telephone Laboratories, Inc. at Whippany, N. J.

Wishing you and all Brothers a happy and prosperous 1954.

Yours in H & T,
Harold P. Anderson
Tau '52

Sounds as though you are all set,
Brother Anderson. Continued good
luck to you!

1207 Westcott Avenue
Visalia, Calif.

Gentlemen:

Please change my mailing address to the above. I am now Deputy Road Commissioner of Tulare County, Calif. I am married to the former Ladene Cottle, Cal class of '41. We have two children, a boy, David, who is five and a girl, Marilyn, who is three.

Sincerely,
William C. Clark
Epsilon '40

608 West 107th St.
Chicago 28, Illinois

Dear Brothers:

I continue to enjoy the *Gear* — keep up the good work. I was amazed to see how many of the members listed "In Memoriam" died so young. Hope that is not true of the whole clan!!

In H & T,
Stuart Talbot
Pi '45

We have noted the same fact on many occasions. Of course, about half must die at an age under the average.

80-C Weis Rd.
Albany, New York

Dear Sir:

I am afraid I have been a little lax in keeping my address up to date on your records. In getting back on the mailing list, I wonder if you could send me the back issues of the *Gear* from the fall of '51 to date. I would

be glad to bear the additional mailing expense for the extra copies. I am looking forward to reading the *Gear* again and will be more prompt in sending on any future address changes.

Yours in H & T,
Charles D. McKereghan
Beta '51

Trust you received the back issues,
Brother McKereghan. Glad to decrease
our stock!

2353 Thirty-Fifth Street
Astoria 5, New York

Dear Sirs:

Please change my mailing address from 5814 Howe St., Pittsburgh 52, Pa., to the above. I was initiated into Nu Chapter at Carnegie Institute of Technology in the class of 1949.

I received my Ph. D. in organic chemistry from the University of Rochester in November 1952 and after the time at Mellon Institute, I've now been transferred to New York to work in the Fine Chemicals Department of Carbide and Carbon Chemicals Co.

Fraternally,
Thomas J. Hall

We liked your first address better,
but will make the change. (J.W.H.)

1063 Findley Dr. Apt. 6
Pittsburgh 21, Pa.

Dear Brothers,

I hope this reaches you in time to get my name on your mailing list for the fall issue. I had to resort to Sigma's library for the last two issues and it gave me great pride to read of Sigma's activities during the past 18 months.

Yours in H & T,
R. F. Sparrow
Sigma '52

493 Adams St.
Manchester, Conn.

Dear Sir:

Please note my address for I would like to receive the *Gear* again. I've just completed five years at Pratt & Whitney Aircraft. I like it fine here as does my family. Besides my wife Dorothy, there are two boys now—Roger (4) and Johnny (2).

Yours in H & T,
Tom Briggs
Rho '43

833 Woodburn Rd.
Raleigh, N. C.

Dear Brothers:

After some 5 years of missing the *Gear*, my name and address seem in order and re-

cent copies have been "coming thru" nicely. It's good to see occasional news of fellows who were at N. C. State in 1939-43.

Thought I would drop a line letting you know about a future Theta Tau (1972) who came to live with us. His older brother (3), James Frederick Jr., has accepted him, so he has decided to stay. His name: David Palmer

Kelly. Just 3 more and our basketball team will be complete.

Yours in H & T,
James Frederick Kelly
Rho '43

Be sure to feed them lots of spinach,
Brother Kelly

In Memoriam

Charles Hugh Jarrett, Zeta '29, died May 14, 1941, according to information just received. He was born on August 20, 1904 in Herington, Kans. A few years after leaving college he was employed by the Panhandle Eastern Pipeline Co. in Dalhart, Texas, and was civil engineer for them at the time of his death.

Dio D. Daily, Jr., Zeta '32, died on January 4, 1939, according to reports received recently. He was born in Columbus, Kansas, on January 22, 1910. After leaving college he entered the insurance business in Pittsburg, Kans. and at the time of his death represented the Massachusetts Mutual Life Insurance Co. in Pittsburg.

Dannie Melvern Bear, Zeta '23, died in Wichita, Kansas, on March 15, 1949. He was born in 1900 in Harper, Kansas, and attended the University of Kansas from 1919 to 1922 and again from 1927 to 1928, studying electrical engineering. Surviving are his widow and family addressed at R.R. #2, Harper.

Paul Henry Buxton, Eta '16, died on May 23, 1953. Born in Boston, Mass. on March 28, 1894, he entered MIT and graduated as a mechanical engineer in 1916. For one year he worked for the Torrington Mfg. Co. in Torrington, Conn. and then was commissioned an officer in the army and served for the duration of World War I. At the time of his death he was Chief Engineer for the Western Cartridge Co. in East Alton, Ill., having joined the company in 1937. Besides his widow he is survived by two sons.

Philip Francis Lawler, Nu '49, died suddenly on March 30, 1954. He was born on May 4, 1917 in Columbia, Pennsylvania, and graduated from Carnegie Institute of Technology in 1949 with a B. S. in Management Engineering. He served in World War II and received the Bronze Star with cluster and the Purple Heart. After being discharged as a major, he entered the employ of the National Supply Co. in Pittsburgh and at the time of his death was Administrative Assistant.

Joseph Howard Lieblich, Nu '40, died suddenly on October 14, 1952. He was born in Pittsburg, Pa. on August 23, 1919. After graduating as a chemical engineer from Carnegie Tech, he worked briefly for the Chemical Warfare Service and then served four years with an Engineer Combat Battalion, rising to the rank of captain. In 1945 he joined the staff of the Mellon Institute and remained there for four years when he resigned and became head of the spectrographic work at the Kobuta plant of the Koppers Co.

Roger M. Schade, Gamma '21, died in Denver on November 22, 1953. He was born in Denver on June 26, 1892 and received his degree of Engineer of Mines from the Colorado School of Mines in 1921. After graduation he was employed by the Metals Exploration Co. in research. He entered the employ of the Allis Chalmers Mfg. Co. in 1927 and after a few years in St. Louis, was sent to Indo-China to build a cyanide plant, remaining there until 1931 when he moved to Manila, P. I. to work for the Honolulu Iron Works. Returning in 1945 after being a prisoner of the Japanese, he worked for Allis Chalmers and was transferred by them to the Denver office. The family home was at 2045 S. Columbine St. in Denver.

Stuart Nixon, Eta '21, died suddenly on June 9, 1953. He was born in Boston, Mass. on October 14, 1897, and graduated from MIT in 1921 with a degree in mechanical engineering and engineering management. In 1923 he joined the Continental Motors Corps in Muskegon, Mich. At the time of his death, he had been employed by the Sealed Power Co. in Muskegon Heights for 18 years. He was on the Executive Committee of the Oil & Gas Division of A.S.M.E. and active in the Society of Automotive Engineers.

Edward Ensley Chute, Eta '29, died January 2, 1954. He was born in Somerville, Mass., on August 1, 1906, and after graduating from Phillips-Andover he entered Massachusetts Institute of Technology as an industrial engineer. He earned an M. S. from Rutgers University

in 1949. Immediately after graduation from MIT, he started work as engineer of construction for National Shawmut Bank in Boston, Mass., and at the time of his death was vice-president in charge of personnel at all the branches of that bank.

Ralph Glover Mickle, Jr., Omega '44, was killed in an accident on November 2, 1913. He was born November 28, 1922 in Crete, Nebr. After graduating as a metallurgical engineer from South Dakota Mines, he entered the employ of the St. Joe Lead Co. and at the time of his tragic death was metallurgist for them at a new sintering plant at Herculeum, Mo.

Walter Francis Shattuck, Jr., Kappa '28, died on January 8, 1954, in Lake Forest, Ill. He was born in Chicago on June 25, 1906. After graduation from the University of Illinois, he was on various important construction jobs, including the power plant at the University of Illinois and the Dixie Ordnance works. He also served as superintendent of construction at Oak Ridge, Tenn. During the last 15 years he has been chief construction engineer for Abbott Labs in North Chicago, Ill.

Edward Wilcox Richards, Pi '29, died June 20, 1953. He was born in Delaplane, Va., on Sept. 2, 1905 and after graduation from the University of Virginia, entered the employ of the Eastern Shore Public Utility Co. At the time of his death he was City Engineer of Emporia, Va.

Clarence Bert Swanson, Psi '48, died of a heart attack in the Veteran's Hospital in Sheridan Wyoming, on January 14, 1954. He was born in Missoula, Montana, on August 21, 1921, attended the University of Montana in Missoula for a time, and then entered the Montana School of Mines where he graduated as a mining engineer after he was released by the army. He served with the U. S. Army Engineers in the European battles as T/4. At the time of his last illness he was taking graduate work at Washington State College. A service incurred injury lead to a sudden nervous breakdown and ultimately to his death.

Donald C. Gregg, Gamma '22, age 54, died in Denver, Colorado, on March 7, 1954. He entered the Colorado School of Mines in 1918 and received his degree in Mining Engineering. Upon leaving school he acted as a mining engineer for the Nevada Consolidated Copper Co. Later he served as a mining geologist for several major companies in Bolivia and Mexico. From 1937 to 1942 he was engaged in mining work in the Philippines where he was captured

by the Japanese. After four years in a prison camp in Japan, he joined the Department of Geology at the Colorado School of Mines. He is survived by his wife, Mrs. D. C. Gregg, of 960 Lamar Street, Lakewood, Colo.

William Barrett Krill, Delta '50, Ensign USCG, was killed in an airplane crash near Jacksonville, Fla., on December 24, 1953. He was born in Cleveland, Ohio, in 1927 and after attending University School, he entered Case Institute of Technology. At the time of his untimely death he was with the Coast Guard Service and attached to the USS Nemesis. He was on his way home to spend Christmas with his parents when he crashed to his death. The family home is at 20726 Brantley Rd., Shaker Heights, Ohio.

George Albert Hult, Alpha '16, died in Sioux Falls on April 21, 1950. He was born in Minneapolis, Minn., on November 1, 1891, and graduated from the University of Minnesota as an electrical engineer. Immediately after graduation he joined the army and served in World War I as a First Lieutenant with the Engineers. After release from the army he joined the Northern States Power Co. and remained in Minneapolis until 1919 when he was transferred to Sioux Falls. He remained there until his death, at which time he was General Superintendent of the whole Sioux Falls Division of the company.

Harold Armstrong Hudson, Zeta '24, died after a short illness on December 5, 1953, in St. Louis, Mo. He was born in 1901 in Pittsburg, Kans. He studied electrical engineering and was elected to membership in Tau Beta Pi at the University of Kansas. He entered the employ of the Wagner Electric Co. in St. Louis, Mo., and at the time of his retirement in August 1953, was manager of the motor sales department for the company.

Ray Emerson Deaver, Zeta '17, died in New York City on August 30, 1942. He was born in 1895 in Fairview, Kansas, and attended Washburn College for one year before enrolling at the University of Kansas. He joined the Long Lines Dept. of the A.T. & T. in 1916, received several promotions, and in 1920 was transferred to the national headquarters in New York. At the time of his death he was a staff engineer in the main Engineering Department.

John Lloyd Newcomb, Hon. Pi, died on February 22, 1954. He was born in Gloucester County, Va., December 18, 1881. After receiving an A.B. from William & Mary College, he went to the University of Virginia and received his B.S.C.E. in 1903. He served on the engineering staff of the Nor-

folk & Western Railway for two years and then became a member of the engineering faculty at Virginia. In 1910 he was made full professor and in 1925 became Dean of Engineering. In 1931 he was made acting president of the University and was elected to the position in 1933. He retired in 1946 but continued to make his home near the University. Five universities conferred honorary degrees on him. He was also a member of Phi Beta Kappa and Tau Beta Pi.

Daniel R. Lyon, *Kappa* '28, died on January 3, 1954. He was born in Chicago, Illinois, on July 10, 1904. He graduated as a mechanical engineer from the University of Illinois and spent some years with the B. F. Goodrich Co. in Akron, Ohio. In 1946 he was industrial mechanical engineer for International Harvester in Chicago and then joined Skidmore,

Owings & Merrill, consulting engineers, and later served with the U. S. Engineers, also in Chicago. At the time of his death he had offices at 475 Merchandise Exchange Mart, Chicago, Illinois.

Ernest Warren Seeman, *Alpha* '20, died in New York City on June 10, 1952, age 57. Originally of the class of 1919, he served two years in the Navy in World War I and then returned to college. After graduation as a civil engineer he went to work for the Elgin, Joliet & Eastern Railroad, and later worked for Cowin & Co. in Duluth, Trueson Steel Co. in Minneapolis, the Steel Service Co. of San Francisco, and the Portland Cement Association. From 1931 until the time of his death he was structural engineer with the consulting firm of Merritt, Chapman & Scott in New York City.

Additions to Membership

ALPHA

- 617 Donald Ivan Gray, St. Paul, Minn.
- 618 Marvin Allyn Clark, Kenyon, Minn.
- 619 Richard Einar Husby, Montevideo, Minn.
- 620 John Clarence Buending, Hastings, Minn.

BETA

- 745 Richard Albert Dick, Phillipsburg, N.J.
- 746 John Gordon Ecklesdafer, Muskegon Heights, Mich.
- 747 Ernest Anthony Harwich, Toronto, Ontario, Canada
- 748 John Alan Robertson, Crystal Falls, Mich.
- 749 Lyle Philip Tonne, Jr., Hancock, Mich.

GAMMA

- 807 Thomas Patrick Powers, Shreveport, La.
- 808 Richard Oliver Barnes, Normal, Ill.
- 809 George (NMN) Lusa, Dayton, Ohio
- 810 Joseph Stewart Irwin, Calgary, Alberta, Canada
- 811 Allen (NMN) McGlone, Denver, Colo.
- 812 Charles Eugene Melbye, Golden, Colo.
- 813 Don Lee Warner, Omaha, Nebraska
- 814 Richard Joseph Kehrwald, Libertyville, Illinois
- 815 William Frederick Baumann, Columbia, Pennsylvania

DELTA

- 809 Donald John Anzells, Euclid, Ohio
- 852 John Charles Hall, Akron, Ohio
- 853 Charles Joseph Januska, Cleveland, Ohio
- 854 Edward Allen Moorehead, Columbiana, Ohio

EPSILON

- 750 Robert Tardy Anderson, Bakersfield, Calif.
- 751 Carlos Alberto Cezar de Audrade, Sao Paulo, Brazil
- 752 Jerry Arlen Barnes, Redondo Beach, Calif.
- 753 Robert Clark Blaisdell, Watsonville, Calif.
- 754 William Alvin Clemens, Jr., Berkeley, Calif.
- 755 Henry Wilson Coil, Jr., Riverside, Calif.
- 756 David Edward Creek, River Forest, Ill.
- 757 James Ronald Firby, Pasadena, Calif.
- 758 Richard Brownley Gayle, Jr., San Francisco, Calif.
- 759 Nicholas Baxter Loundagin, San Carlos, Calif.
- 760 Peter (NMN) Norton, Oakland, Calif.
- 761 Charles Robert Ross, Oakland, Calif.
- 762 Charles Herbert Scott, Oakland, Calif.
- 763 Gerald Lee Schnurmacher, Piedmont, Calif.
- 764 Donald Lester Skow, Richmond, Calif.
- 765 Stanford Vincent Smalley, Jackson, Calif.

THETA

- 550 John Bruce Campbell, Floral Park, N. Y.
- 551 Richard Adolph Daniel, New York, N. Y.
- 552 Donald Grant Hovey, New Rochelle, N. Y.
- 553 Kenneth Paul Jicha, New York, N. Y.
- 554 Lawrence George Kastriner, Bridgeport, Conn.
- 555 Donald Raymond Olander, New York, N. Y.

* Initiates 810 to 851 previously published

- 556 Emil Stephen Schmitt, Jr., Palisade, N. J.
 557 Jerome Samson Schultz, Brooklyn, N. Y.
 558 Lloyd Stanley Yellen, Queens, N. Y.
 559 Wesley Joseph Hennessy, New York, N. Y.

LAMBDA

- 664 Andrew B. Oswald, Jr., Salt Lake City, Utah
 665 Elwood Carthey Dorland, Salt Lake City, Utah
 666 Arthur Scott Horsley, Salt Lake City, Utah
 667 Harry Paul Woodrox, Salt Lake City, Utah

XI

- 162 Thomas Lowe Fullerton, Cleveland, Ohio
 163 Julius Frank Hokenson, Milwaukee, Wis.
 164 Robert Paul Hehn, Green Lake, Wis.
 165 Phillip Allen Reed, Ashippun, Wis.
 166 Jerome George Rivard, Deer Park, Wis.
 167 Edwin S. Tankins, Madison, Wis.

OMICRON

- 460 Lloyd Edward Allen, Moline, Ill.
 461 Donald Bruce Young, Coralville, Iowa
 462 Robert H. Von Stein, Cedar Rapids, Iowa
 463 James Kline Beverlin, Muscatine, Iowa
 464 Wayne Thomas Evenson, Fort Dodge, Iowa
 465 Robert Peter Van Dyke, Rock Island, Illinois
 466 Thomas Elmer Giblin, Iowa City, Iowa
 467 Darrell James Ulch, Swisher, Iowa
 468 James Glennwood Gibson, Sioux City, Iowa
 469 LaVerne Wayne Flagel, Maquoketa, Iowa
 470 Arnim Jackson Ayres, Jr., Ambler, Pa.
 471 James Joseph Deluhery, Dubuque, Iowa
 472 George Maevin Calvert, Martelle, Iowa
 473 John Duane Kilby, Dubuque, Iowa
 474 Charles Wayne Oneal, Iowa City, Iowa
 475 William Lee Liike, Knoxville, Iowa
 476 Norman Nathan Jacobson, Chicago, Ill.

PI

- 502 Benham Mitchell Black, Staunton, Va.
 503 Frank Scott Black, Staunton, Va.
 504 Benjamin Russell Cofer, Newport News, Virginia
 505 James Randolph Vivia Daniel, Richmond, Va.
 506 Theodore Stanford Garnett, Jr., Norfolk, Va.
 507 Henry Elmer Harris, Jr., Lynchburg, Virginia
 508 Karl Hermann Reinhard Hellinger, Culpeper, Va.
 509 John Tabb Heyward, Jr., Rion, S. C.
 510 Michael John Hoherchak, Roserille, Va.
 511 Stanard Franklin Lanford, Jr., Roanoke, Virginia
 512 Mallon McCune Lemaire, Norwalk, Conn.

- 513 David Joseph Matacia, Charlottesville, Virginia
 514 Otho Frederick Mears III, Norfolk, Va.
 515 John Barbour Orgain III, Richmond, Virginia
 516 Henry Skeen Ritchie, Richmond, Va.
 517 Taylor Fitz-Hugh Turner, Jr., Fredericksburg, Va.
 518 Carol Gray Walton, Richmond, Va.

RHO

- 498 Alexander Andrews Carlyle, Jr., Wendell, N. C.
 499 Joseph Bryan Ferebee, Mocksville, N. C.
 500 William Major Pettitt, Jr., Hampton, Va.
 501 John Bertram Smith, Kinston, N. C.
 502 Vaughn Terrey Hawthorne, Wilmington, N. C.
 503 Robert Thomas Hayes, Havelock, N. C.
 504 Elbert Nelson Hedgpeeth, Jr., Rocky Mount, N. C.
 505 Albert Leslie Pruden, Jr., Rolesville, N. C.
 506 Andrew Charles Vastano, Winston-Salem, N. C.

SIGMA

- 411 John Robert Baechle, Lancaster, Ohio
 412 Dale Roger Bussman, Cleveland, Ohio
 413 Irvin Ellsworth Hazel, Youngstown, Ohio
 414 Rolland Krieder Lenhart, Jr., Columbus, Ohio
 415 Erik William Lindner, Dayton, Ohio
 416 Donald Everett Longmire, Columbus, Ohio
 417 James Anthony Millard, Edison, Ohio

TAU

- 570 Robert Austin Perry, Syracuse, N. Y.
 571 Americo Joseph Giralico, Rochester, N. Y.
 572 Conrad Ronald Kowal, Yorkville, N. Y.
 573 Stanley Joseph Stankiewica, Syracuse, N. Y.
 574 William (NMN) Peil, Camillus, N. Y.
 575 John Waite Schaefer, Syracuse, N. Y.
 576 Ralph Carroll Best, Syracuse, N. Y.
 577 Robert John Wallis, Syracuse, N. Y.
 578 Anthony Alfred Leotta, Fulton, N. Y.
 579 Paul Frederick Riddler, Syracuse, N. Y.
 580 Donald Charles Hutchins, Syracuse, N. Y.
 581 Richard Alvin Weinberger, Rochester, N. Y.

UPSILON

- 420 William L. Cravens, Paris, Arkansas
 421 Samuel Horace Daggett, Jr., Little Rock, Ark.
 422 Larry J. Girard, Paris, Ark.
 423 Robert Stephen Holcomb, Springdale, Ark.
 424 Jermon Kinley Johnson, Fayetteville, Ark.
 425 James Herbert Kumpke, Bentonville, Ark.

- 426 Edward Roberts Saunders, Jr., Little Rock, Ark.
 427 Julian Charles Stewart, Fayetteville, Ark. PHI
 296 Robert Arthur Blohm, Arlington Heights, Ill.
 297 Maurice Ronald Halsey, Bunker Hill, Indiana
 298 Alfred Otto Paas, Westfield, N. J.
 299 Paul Edwin Rentner, Dolton, Ill.
 300 Earl Campbell Ruby, Jr., New Castle, Pa.
 301 Thomas Edward Clement, Crane, Ind.
 302 David Earl Rhoades, Franklin, Ind.
 303 Leon Gardner Shiman, Indianapolis, Ind. CHI
 457 Arthur Bertinus Anderson, Jr., Tucson, Ariz.
 418 William Taylor Corbin, Glendale, Ariz.
 419 Robert Hutchison Davis, Phoenix, Ariz.
 460 Kenneth Leigh Hanson, Tucson, Ariz.
 461 Roger Max Hartman, Tucson, Ariz.
 462 Robert Paul Kelly, Phoenix, Ariz.
 463 George Edmund Kolb, Tucson, Ariz.
 464 Frederick Carl Krebs, Jr., New Hartford, N. Y.
 465 Vincent Harold Mattingly, Tucson, Ariz.
 466 Ernest Garfield Retrum, Jr., Tucson, Ariz.
 467 Donald Duane Shipley, Jackson, Mich.
 468 Ronald Earl Stiles, Los Angeles, Calif.
 469 William Daniel Ulrich, Jr., Prescott, Ariz.
 470 James Norris Warkowski, Tucson, Ariz. PSI
 335 Norman Elliot Erickson, Lewistown, Montana
 336 Richard Sawyer Johnson, Kalispell, Montana
 337 Joseph William LaComb, Basin, Montana
 338 Marvin Alder Lanphere, Spokane, Wash.
 339 Stephen Anthony O'Hare, Anaconda, Montana
- OMEGA
- 429 Frank Peter Tagliamonte, Boston Creek, Ont., Canada
 430 Karel Frederick Brodsky, Rapid City, S. D.
 431 LeRoy Henry Cook, Spearfish, S. D.
 432 Edwin Arthur Disharoon, Rapid City, S. D.
 433 Donald Ray Godding, Rapid City, S. D.
 434 Derryl Lynn Hauptmann, Hot Springs, S. D.
 435 Terrence James Heil, Rapid City, S. D.
 436 Charles Dwaine Knutson, Sioux Falls, S. D.
 437 David LeRoy Padgett, Bowman, N. D.
 438 Stanley Gene Spring, Watertown, S. D.
 439 Roger Allen Stapf, Mobridge, S. D.
 440 Ronald Bud Stotelmeyer, Rapid City, S. D.
- DELTA BETA
- 274 Alfred Eugene Bradley, Louisville, Ky
- EPSILON BETA
- 72 Charles Marcus Daniels, Jr., Detroit, Michigan
 73 Fred Easa Ghanam, Detroit, Mich.
 74 Bruce Edgar Greene, Jr.
 75 Earl Robert Hendrickson, Detroit, Mich.
 76 Eugene (NMN) Vlasov, Detroit, Mich.
 77 John Arthur Bayer, Detroit, Mich.
 78 Victor Justus Saccaro, Dearborn, Mich.

It's good to have money and the things it can buy. It's also good to check up once in a while and be sure you haven't lost the things money won't buy.

Des Moines Register

Husband: "I saw Tim Tooley downtown today, and he didn't even speak to me. He thinks I'm not his equal, I guess."

Wife: "Why, that stupid, brainless, conceited, good-for-nothing moron! You certainly are his equal!"

At a sale, the auctioneer, after extolling the beauty of a picture, asked for the first bid.

A lady holding firmly to the hand

of a restless youngster of five, called, "Fifty dollars."

Bowing respectfully, the auctioneer said, "Thank you very much, madam."

To the consternation of the rest of the audience, the youngster asked, "Mommy, why is dad calling you 'madam'?"

Some people are like blotters. They soak it all in, but get it backwards.

A small boy's head bobbed up over the garden wall and a meek little voice said, "Please, Miss Holcomb, may I have my arrow?"

"Certainly, young man, where is it?"

"I think it's stuck in your cat."

Letters from the Chapters

Alpha Looking Ahead Toward Golden Anniversary Celebration



Alpha Chapter extends sincere fraternal greetings to all brothers in Theta Tau, and looks forward to seeing all of them in Minneapolis this October when the Golden Anniversary of the founding of Theta Tau will be celebrated.

The winter quarter ended with the annual election of officers. The men chosen to lead Alpha through this busy year are as follows: Regent, Robert D. Frigaard; Vice-Regent, Donald I. Gray; Scribe, Richard E. Husby; and Treasurer, Hooten A. Elleby.

Hal Miller is still our counselor, and Dr. Miles Kersten of the Civil Engineering Department continues to give us his able guidance as our adviser.

Although there are only 17 actives and three pledges at the present time, a strong rushing program planned for spring quarter means we don't intend to be undermanned when next fall rolls around.

The athletic calendar was quite full this fall and winter. The intramural basketball and football teams played their usual four games, not quite making the playoffs. The bowling team finished second in the regular season, only to bow out in a four-team play-off for the championship. A surprising hockey team sparked by Dick Swenson, Sam Gray, and goalie Joe Kimlinger reached the finals for the professional fraternities.

The social year started with a house party after the Michigan football game where at least 10 brothers from Beta Chapter were present to help make it quite an evening. Then there was the Homecoming party at the house, and the Christmas formal at the South-

view Country Club in St. Paul. Finally there was the Valentine party where along with the general theme of the party everyone wore pajamas, nightgowns, and other nocturnal attire.

It seems that a couple of years ago Brother J. Cordero suggested that every fellow who got pinned or engaged had to buy a keg of beer with which to celebrate. This custom was upheld this year as Brothers Dave Husby, Gus Lofgren, Bob Meyer, and Walt Wychor came through for four parties. All but Brother Husby are now happily married, and he hopes to be in September. We wonder when the originator of this custom is going to come through with a keg!

Brother Joe Wetzel came through with a little female tax exemption right around March 15, while others recently having blessed events are brothers Carl Gordon, Walt Manson, John Mieras, and Cecil Suter.

Everyone around the house is a piano player now ever since the Mothers' Club purchased a player piano and over 100 rolls of music for the house. This was of course arranged through the shrewd trading of "Piano-Tuner Deluxe" Tom Leonard.

Recent alum Al Kovalchuk has been around the house quite a bit lately working on addresses, letters, and plans for a new chapter house which the Alumni Association hopes will materialize soon.

In closing we hope that everyone near and far is now scheduling at least part of his vacation for next October 14, 15, and 16 to be in Minneapolis and help us really celebrate the centennial anniversary.

Yours in H & T,
H. A. Elleby
Acting Corres. Secretary

Beta Wins Permanent Trophy



Fraternal greetings to all members of Theta Tau from Beta Chapter.

Beta began the fall term with a fine group of officers who were elected the previous spring. They are as follows:

Ronald Hocking, Regent; William Adams, Vice-Regent; Peter Rodal, Scribe; John Burlingame, Treasurer; and Charles Anderson, Steward. Through their fine leadership and through the able guidance of our chapter adviser, Professor L. F. Duggan, Beta



Beta Prepares for Skit

Chapter which lost 29 men through graduation was soon functioning as a well coordinated and closely bound unit.

The fraternity again participated in the homecoming celebration which was held on October 10, 1953. In the evening, following the homecoming dance, a party was held at the chapter house.

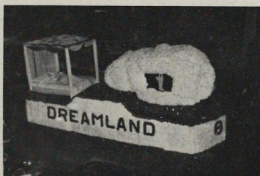
The annual "millionaires party" was held on December 12, 1953. This year's party was bigger and better than any before. More than two hundred and fifty guests, including many faculty members, enjoyed pitting their luck against that of the roulette wheel, crap game, "bird-cage", horse race, and the poker table.

A fine turkey dinner with all the trimmings

trophy was supposed to have been a traveling trophy, with permanent possession coming only after winning the winter carnival three different years. However, since Beta won the carnival the third consecutive year after the trophy was started, it has never been out of our house and never will be.

This year we welcomed back two old members, Martin O'Toole, who returned after being out in industry for a year, and John Pearson, who just finished his hitch with Uncle Sam.

On the athletic scene, Beta took a third in the intramural basketball race, as well as a third in the swimming meet. The bowling and billiards teams are in the thick of the fight for first place in their respective leagues. There



Beta's Parade Entry

was enjoyed by the members and pledges at the annual Christmas Party. The gifts which were exchanged were turned over to the children's orphanage. On the following evening, six new members were initiated into the chapter.

Michigan Tech's winter carnival was won by Beta for the third consecutive year, thus enabling the fraternity to take permanent possession of the Blue Key Fraternity Achievement Award. The winter carnival skit, put on before a packed theater, was the fraternity's rendition of "Snow White and the Seven Dwarfs", and it captured a first place. A first place was also taken in individual athletics.

An interesting sideline concerning the Blue Key Achievement Award is that this large

are many positions held down on the varsity squads by members of the house. Among these are captains of the golf and ski teams.

The fraternity has maintained its record of holding the highest fraternity-house scholastic average on campus. Nine of the house members belong to Tau Beta Pi.

The chapter is now looking forward to its annual Spring Formal and Spring Picnic which will be held either in April or May.

The Rhombohedron will be in the mail in a few weeks. Any alumnus who has changed his address should tell us his whereabouts so he will be sure to receive a copy.

Yours in H & T

Jim Luecker
Corres. Sec.

Gamma's Burro Lost By an Ear!

GOLDEN ■ COLORADO

There are now 31 active members in the chapter. This number, of course, includes the men initiated last semester. Our spring semester pledges were elected this week. Eighteen outstanding

men were selected, eight of whom are juniors, and the other ten are sophomores. Three of the juniors are members of Tau Beta Pi. All of these men exhibit outstanding characteristics and will undoubtedly strengthen the chapter.

Our new officers who were elected during the last week of February include the following:

Regent	Alan Osborne
Vice-Regent	William Westhoff
Scribe	Patrick P. Thomas
Treasurer	Charles Spielman
Corr. Secretary	Richard O. Barnes

The chapter adviser is Professor George W. LeMaire. Professor LeMaire is connected with the Petroleum Refining Department here at the school.

The year has been a busy one for the chapter, and several more activities are planned for the remaining two months of this semester.

Theta Tau's burro lost out by an ear to the Sigma Gamma Epsilon critter in the annual Homecoming half-time burro race.

To promote engineering interest not only for ourselves but also for the entire student body, Gamma Chapter has sponsored several lecturers who have presented topics that tie in well with mineral engineering. Another such lecture is scheduled to follow our formal initiation.

Our interest in school spirit is signified by the fact that the chapter put on an all-school rally before one of the football games last fall. We are currently looking for other ways in which we can boost school spirit.

We have been particularly active in the realm of sports. Many of our actives as well as pledges are on one or more of the varsity squads. Our newest project along the sports line is to furnish the officials and umpires for the intramural softball program. If this arrangement works out satisfactorily, we plan to furnish the officials for all intramural sports next year. The school athletic department is very enthusiastic over our offer. We have helped publicity for athletic events by making 2½' x 18' banners announcing the events. We recently shellacked the Sigma Gamma Epsilon honorary fraternity 76-26 in our annual basketball game with them. We

are looking forward to a softball game this spring against the same opponents.

The chapter plans to have a booth in the fieldhouse during the school's annual Engineers' Day. We also sponsor the rock drilling contest at this celebration. The contest consists of having two-man teams drill in a rock for a certain length of time. The team must also change bits once during the time limit. Naturally the deepest hole is the criterion for declaring the winners.

Gamma Chapter planned and executed the Winter Carnival Dance. It was held in the beautiful setting of mountain surroundings at Evergreen, Colorado. The dress was informal. Ski clothes were the preferred outfits. All students were invited and a large crowd gathered. A small band supplied the lulling strains to which the Miners danced.

Two projects of ours could be classified as fund-raising activities. The principal one is the selling of group pictures to the social fraternities and the members of athletic teams. One of our members is a fine photographer and takes all the pictures himself. Samples are shown to interested individuals, and orders are taken before more prints are made. This project has been very successful. The secondary project is the selling of flowers, usually in the form of corsages, to the student body. One of the local florists gives us a commission on all sales.

Two of Gamma Chapter's members were recently honored at the Colorado School of Mines in being named recipients of valuable scholarships. Neal Harr and Ted Bergstrom, Regent and Vice-Regent of the chapter respectively, were awarded these stipends on the basis of their creditable work at the Colorado School of Mines. Harr received a \$500 grant from the Denver Petroleum Club, and Bergstrom the \$500 award given annually to a senior metallurgy student at Mines by the American Smelting and Refining Company.

We are planning to observe Theta Tau's Fiftieth Anniversary next fall since our chapter was founded on November 8, 1907. No definite plans have been made.

I would like to say that Gamma Chapter has had a very successful year, and that we are looking forward to an even better one.

I certainly hope this letter includes the desired information, and that it has given a satisfactory picture of our projects and members.

Yours in H & T,
Alan Osborne
Regent

Delta Conducts H. S. Tours



Delta Chapter in Cleveland extends fraternal greetings to all of its brothers in Theta Tau.

Members of Delta Chapter have enjoyed a very active year, both professionally and socially, on the campus of Case

Institute of Technology. Last spring brother Bernard Steigerwald was awarded the Theta Tau award during graduation ceremonies by President T. Keith Glennan. This award is conferred annually upon the most promising member of the graduating class. The recipient of the award is chosen jointly by a faculty and chapter vote.

Founders' Day Celebration was held this year at the Casanova Restaurant, famous for fine Italian foods. Cleveland Alumni President James McKinney recruited several Cleveland alumni and the evening was spent reviewing chapter history and plans for the coming year.

During the fall semester sixteen men were pledged and initiated into the active chapter. The first meeting with the new pledge class was built around an evening smoker with Professor Charles Walton as speaker. Professor Walton had just returned from a full year in Europe as a consulting metallurgist and spoke on foundry and manufacturing methods found there. He also commented on the economic and political situation of the continent.

On December 1, Mr. John R. Gillies, a research associate at Case, addressed the chapter on several phases of Operations Research and its use by management in industry.

The weekend of December 5 was a real experience in Theta Tau. Saturday evening was the annual Theta Tau Christmas eggnog party. During the afternoon, five brothers concocted the infamous potion from an ori-

ental recipe to achieve that "homemade flavor". Initiation of the fall pledge class took place on the next day, Sunday, December 6, bringing the chapter membership to 38. Initiation was held at five o'clock in the afternoon and was followed by a fried chicken banquet.

In January Mr. Fred Nicklas and Brother Robert Linn, former Regent of Delta Chapter, spoke to the chapter on the principles of IBM accounting and electronic calculators used in engineering practices.

Since last fall Brother Charles Januska has been working with his committee on the revision of the alumni files in preparation for publishing a chapter directory. A chapter newsletter will be published in April under the direction of Brother Ed Morehead.

The chapter plans to celebrate the fiftieth anniversary of the founding of Theta Tau on May 17, when the chapter will be visited by Grand Regent Jamison Vawter. Local alumni will be invited to attend the initiation of the two men pledged this spring and a banquet will be held in Tomlinson Hall on the campus in the evening.

Officers elected for the year are as follows: Regent, Edward Petruska; Vice-Regent, David Warrick; Scribe, James Klaus; Treasurer, Jack Wright; Marshal, John Shroyer; Inner Guard, James Shiller; and Outer Guard, Rick Leyman.

The chapter is presently conducting approximately 250 prospective freshman around the campus on each of five Fridays during the spring semester. The tours are held in conjunction with admissions activities and last for about two hours with members of the chapter acting as guides.

Delta expects a very successful year of activities under its new officers and untiring Chapter Adviser, Professor Leslie J. Reardon.

Yours in H & T,
Ed Morehead
Corresponding Secretary

Epsilon Has Large Chapter



Under the leadership of Regent Rudy Epis, Vice-Regent Bill Weaver, Scribe Jack Geary, Corresponding Secretary Dick Thomssen, and Adviser Dr. Samuel P. Welles, Epsilon started the fall term which was marked

by, among other things, a very successful membership drive. This drive brought the number of actives up to 30, which is the largest group in the chapter's history. Among

the many successful calendar events were the two smokers, at which the actives had the opportunity to meet the prospective pledges.

At both meetings Epsilon was privileged to hear excellent speakers.

The first meeting was highlighted by a talk by Dr. Garniss H. Curtis, who spoke on "Recent Investigations in the Katmai Area (Alaska)". Brother Curtis illustrated his talk with some beautiful slides.

At the second smoker Dr. Nicholas L. Taliferro spoke on "Some Aspects of Faulting in the Coast Ranges of California." After this

the prospective pledges were discussed, and 16 men were invited to join.

On Dec. 8, the informal initiation was held, followed on Dec. 11 by the formal initiation; after the initiation, the brothers travelled across the Bay to San Francisco, where the traditional initiation banquet was held.

In order that more alumni might come to both functions, the observance of the 10th Anniversary was held in conjunction with the banquet.

The evening was a great success, both in terms of attendance and in terms of enjoyment. Epsilon had the privilege of having as guests that evening our Grand Scribe, Brother Erich J. Schrader; two of this chapter's charter members, Brothers George D. Louderback and Frank S. Hudson; and many Epsilon alumni from the San Francisco Bay area.

For the spring term, Bill Brewer was elected Vice-Regent; Dick Gayle, Scribe; Carlos Andrade, Treasurer; and Jack Smit, Corresponding Secretary.

The calendar for the spring term has been drawn up, and shows a number of interesting events.

March 18 is the date of the visit to Epsilon of our Grand Regent, Brother Jamison Vawter,

and our Grand Scribe, Brother Erich J. Schrader.

March 24 and April 8 are the dates set for the rushing functions.

At these meetings Epsilon will hear Dr. Parker D. Trask on "Flood Controls in the Peruvian Andes", and Dr. Perry Byerly on "Earthquakes and Seawaves."

The second meeting, on April 8, will be the observance of Brother Louderback's 80th birthday.

The date of the informal initiation is May 12, to be followed by the formal initiation and banquet on May 14.

For May 15, an all-day field trip to the New Idria Mines (mercury mining operation) has been scheduled. A dance, tentatively set for May 28, will close the semester's activities.

As has been mentioned in previous letters, Brother Louderback has generously donated a lot to this chapter. So far, the lot has been used to park cars in, and as such it has made us some money. However, a committee has been set up to work with interested alumni on plans for a chapter house.

In H & T,
Jack M. Smit
Corresponding Secretary

Zeta Zooming With Nine New Pledges

LAWRENCE
KANSAS

Fraternel greetings and best wishes are extended to all members of Theta Tau from Zeta Chapter.

At our last elections, the following officers

were elected: Regent, Karl Davenport; Vice

Regent, Norman Gates; Treasurer, Marshall Brown; Scribe, Dale Trotter; and Jim Hall as Corresponding Secretary. Professor T. F. McMahon is still doing a grand job as chapter adviser.

The spring semester started off with the formal initiation of nine new brothers: Paul



Top Row: Rogers, Davenport, Franklin, Wabaus, Bruce, Gates, Simmons, Rose Henman

Third Row: Shields, Rogers G., Haught, Merrigan, Taylor, Piatt, Trotter, Backman

Second Row: Davis, Stone, Keller, Pope, Sills, Peyton, Anderson, Mains

First Row: Fine, Culp, Lloyd, Holyfield, Engle, Brown, Pankratz, Latimer

Pankratz, Ronald Haught, Phil Piatt, Larry Taylor, Don Fine, Bill Franklin, Ivan Henman, Benny Anderson, and Bob Bruce. We now have thirty actives and five pledges in the chapter.

A Get-Acquainted Smoker was recently held at the Chapter House so that we might become better acquainted with new members of the "Engine" School.

Zeta held its annual Christmas Formal at the Chapter House last December. Everyone who was in attendance agreed that it was a great success.

Zeta's men are still active in running all the engineering organizations and then some. Our men are members and officers in Sigma Tau, Tau Beta Pi, Sigma Pi Sigma, Tau Omega, Engineering Council, Schem, AICHE, ASCE, ASME, AIEE, and many other organizations. Also, Zeta has entered into friendly competition with some organizations here on the hill and has emerged with a second place trophy for our Homecoming House Decoration,

and a first place trophy in our class in Basketball.

Previews of coming attractions include the annual Engineer's Ball, the Hob-Nail Hop, Engineering Exposition, and Zeta's informal Red Dog Party.

Again the chapter has volunteered to build the entranceway to the engineering building in connection with the exposition. Also most of our members will be working in their own departments on displays.

At the end of the spring semester, Brothers Don Lloyd and Gene Rogers will be graduating and Brother Bob Pope will have completed work on his Master's degree. Brother Jim Hall will be graduated at the end of the summer semester.

Zeta wishes to extend an invitation to all brothers to visit the Chapter House whenever possible.

Yours in H & T,
Jim Hall
Corres. Sec.

Theta Shies Troubled By Women



that 1914 is Theta's anniversary, and also Columbia's Bicentennial Year, and therefore, we hereby gratefully accept all our Brother's congratulations!

Past Regent Ed Sherry signed off last year with a prediction of bigger and better things for Theta during 1913-14. We don't think we made a liar out of him. So, let's pick up where he left off last spring, and see what kept Theta Chapter busy.

We think we have struck an excellent balance between the social life on one hand,

Theta Chapter is glad of this opportunity to say hello to all her Alumni and to wish all Theta Taus the best of everything during the Golden Jubilee Year. We would like to let everyone know Chapter's Fortieth Anniversary.

and professional development on the other.

Concerning the professional development, Theta Chapter this year continued to hold our very popular and informative luncheons each month, at which an informal talk is given by a member of the faculty prominent in his field. These speakers are not exclusively engineers, nor are the talks exclusively technical, for we believe it is very valuable to hear points of view other than direct engineering. At our last luncheon before the end of school last spring, Dean John R. Dunning of the School of Engineering spoke to us, while for this year we've had talks from Prof. Gaden of the Chem. E. Department, Prof. Salvadori of the C. E. Department, Prof. Hadas of the Humanities Department of Columbia College, and most recently, Assistant Dean Gifford of the Law School.

Linked with the professional aspect are the



Theta Pledge Smoker

services and activities connected with the School of Engineering. Theta Tau pledges this spring will work on laying the floor of the new student lounge. Last fall, a poll was taken by the Brothers and Pledges which was an evaluation of the teaching and courses of the School. (This was done with the blessing of the Dean's office and the professors concerned.) Also, as in past years, the publicity for the Engineering School Alumni Smokers on job counselling is largely handled by Theta Chapter.

This is all to the good, of course, but there are other things in life. Like beer, and parties, and girls, and dances, you know. We believe these are also integral parts of young engineers' educations, and so, Theta has had a fine social life this past year.

Bouncing back from the previous year's debacle, a rustic band of Brothers and their friends enjoyed a hayride on Staten Island last September. This may sound sort of mundane for Zeta's or Phi's out there in the wide open spaces, but a hayride within the boundaries of a city of 8,000,000 people is notable, we think.

So far this year we've had one of our popular dinner dances, and also several blind dates with sororities and clubs of girls' colleges here in New York. We don't like to brag, much, but, as Social Affairs Chairman Joe Gaudio puts it, "we've got more sororities than we know what to do with."

On New Year's Eve, we had our traditional Theta Tau party, this year at Brother Mitch

Litt's house, in Brooklyn no less. At this affair, as well as at most of Theta's events, the New York Alumni were present in gratifying numbers.

Last fall, ten new Brothers were initiated, and the chapter strength is now eighteen. Assistant Dean Wesley Hennessy of the Engineering School was made an Honorary Theta Tau at that time. Presently, there are sixteen pledges in Theta Chapter. The Chapter continues to show the lead in school affairs, as, for example, is shown by the editors of both the yearbook and the Quarterly being Brothers.

Theta Chapter has a new faculty adviser this spring in the person of Prof. Howie Vreeland, who appropriately enough is a past Regent of Theta Chapter.

Our Chapter officers for this year are: Herman Bieber, Regent; Harry Nagle, Vice-Regent; Mickey Abrahams, Treasurer; Andy Gandek, Corresponding Secretary; and John Leahy, Scribe. Brother Bieber replaced Brother Ed Carley as Regent this term, and Brother Nagle was elected Vice-Regent in his stead.

That, Brothers, is a sketch of the past. Theta Chapter hopes to end this term with a dinner on May 28th. We hope that Brother Vawter will attend, with Theta's own Dex Hinckly, and as many Alumni as possible, for we plan to celebrate in fine style the anniversaries of Columbia, of Theta Chapter, and of Theta Tau Fraternity.

Yours in H & T,
John D. Leahy, Scribe

Lambda Makes Location Map for Exhibits



The annual spring elections were held at Lambda Chapter in February. The new officers elected were: LaMar S. Hills who succeeded Alton H. Sorenson as Regent; Arthur S. Horsley who succeeded Arnold R.

Thompson as Vice-Regent; Andy B. Oswald who succeeded George M. Heath as Treasurer; Archie D. Hill who succeeded Frank B. Hills as Secretary; and Harry P. Woodcox who succeeded Archie D. Hill as Corresponding Secretary.

The current chapter adviser of Lambda Chapter is Prof. P. D. Linford of the Civil Engineering Department.

At present there are 12 active members and four pledges in Lambda Chapter. With the Korean conflict at an end and with more of the brothers returning from the Service, our membership is increasing rapidly.

Recently Dr. Thomas Parmley, charter

member of Lambda Chapter who is now with the University of Utah physics department, presented an exceptionally fine lecture on the relationship of atomic energy and its developments to the various fields of engineering.

During the annual Engineers' Week, Lambda Chapter has prepared a guide containing a map showing the location of the respective department's displays and a brief description of each department.

In celebration of the 50th Anniversary of Theta Tau, our Chapter is planning a banquet on or about the 29th of April and cordially invite all chapters which are able to attend. The banquet is in commemoration of the 50th Anniversary and of our chapter founding date, April 29, 1920.

Lambda extends greetings to all chapters with a sincere wish that they might enjoy our 50th Anniversary.

Yours in H & T,
LaMar S. Hills
Regent

Mu Sponsors Monthly Showcase



Mu Chapter extends fraternal greetings to all of its brothers in Theta Tau.

The results of our spring elections were as follows: Regent, Robert Piper; Vice-Regent, William DeLoach; Treasurer,

Robert S. Kulp; and Scribe, Gerald Mahone. Mr. Faircloth very capably continues as our faculty adviser.

On March 22, we initiated 19 pledges into our chapter, bringing our active membership up to 38. Six of our actives will be graduating this June.

Our semi-annual banquet will be held on April 10, and invitations will be extended to all of our alumni as well as our new and old members. We hope to make this banquet one to be remembered.

During this past semester Mu Chapter has been quite active. We have been sponsoring

a monthly showcase in which the various engineering departments are represented, and also supervised the Freshman Placement Tests. We are now planning a group project and expect it to take form by the end of the present semester.

Mu Chapter was honored by the visit of Brother Vawter. A dinner was held in his honor and was attended by our faculty brothers as well as the student members. Brother Vawter presented a very interesting and enlightening talk at a meeting the following day. This visit was enjoyed by all and we sincerely hope he will return soon.

Mu Chapter has had a very successful year and I am sure this coming year will offer many more activities that we can participate in, so that Theta Tau will be a fraternity to be admired by all.

Yours in H & T,
Donald K. Jorden
Corresponding Secretary

Xi Working on Alumni File



The officers of Xi chapter for the present semester are as follows: Regent, Edward Fleischer; Vice-Regent, Robert Mohn; Treasurer, Edwin Tankins; Asst. Treasurer, Phillip Reed; Scribe, Jerome Rivard; Corresponding Secretary, Julius Hokenson; Historian, Bruce Murray.

Our chapter adviser is Dr. G. A. Rohlich, whom I am sure most of our alumni remember. We have at present eight active members and four pledges.

The annual Founders' Day Banquet of Xi chapter was held at the Ace of Clubs. Several

alumni were present, and communications were received from others who were unable to attend. At the present time the pledge class is preparing for our semi-annual pledge party, which will be held some time in April. The initiation banquet is also in the planning stage. A committee is also at work collecting the names of those students eligible for the sophomore award given annually to the outstanding sophomore engineer. A major project in the rejuvenation of a somewhat dilapidated alumni file is now under way, following a survey which showed that a large number of alumni were not receiving the Gear. We hope to complete this in time for the current issue.

Yours in H & T,
Wayne Jacobs

Omicron Foresees Profitable Pledge Dunking



Omicron Chapter again wishes to extend its warmest greetings to all the brothers of Theta Tau.

Homecoming was once more the highlight of the fall semester with the accompanying parade and numerous floats. Omicron Chapter is especially proud of its entry portraying the antics of some of the

overly-enthusiastic scholars at a neighboring institution. The result won first place for humor and second for originality.

Founders' Day was observed with the brothers attending the football game in a group. A picnic in City Park then concluded the day's activities.

Omicron's Wives Club has been of immense help this year. They not only baked the cookies for both the Fall and Spring coffee hours, but were hostesses as well. The boys

must have liked their cooking, for now we have kept them busy supplying cake and cookies for after-meeting refreshments.

Prof. and Mrs. Ashton contributed no small share to the success of the coffee hours as the locale was their spacious home overlooking the Iowa River. The result was seventeen new members initiated in January and fourteen pledges at present.

The annual Christmas Party was held with dinner and dancing at the Ox Yoke Inn at the Amana Colonies. Brother Wallace was highly successful as jolly old St. Nick.

At long last the engineers are going to have a lounge. Construction is now in progress on this project that has finally succeeded because of the untiring efforts of Brother Don Young and several others.

The spring semester finds us with 36 actives led by Perry Lorentzen, Regent; Francis Wallace, Vice-Regent; Mel Beebe, Scribe; Lloyd Kyser, Treasurer; Jim Gibson, Assistant Treasurer; Don Young, Marshal; Bob Von Steen, Corresponding Secretary; George Hansel, Outer Guard; and Jim Beverlin, Inner Guard. Ned L. Ashton and Donald E. Metzler are again our faculty advisers.

Our present pledge class consists of Duane Black, Donald Brown, William Diteb, Charles Fada, Kendall Hamlin, Robert Hornbach, James Kaster, James Luth, Jay Parker, Louis

Pray, Roger Starner, Robert Utter, Sidney Vosper, and David Zimmer.

The spring's Mecca activities found Theta Tau's active in all departments with Bill Liike master of ceremonies at the smoker and Don Young coordinator.

Dick Hoover is president of Chi Epsilon and Bill Liike is president of the A.S. of E. Ten of Omicron's brothers have served on the staff of the *Iowa Transit* with Walt Johansen as General Manager, Ken Wilson as Editor, and Tony Masciopinto as Associate Editor.

We are looking forward to a visit from Brother Jamison Vawter in April and to the resumption of our dinner meetings. The coming All-Campus Carnival should afford us an opportunity to supplement our treasury at the expense of a few dunked pledges.

A committee has been appointed to make a detailed study of the possibility of obtaining a house. There has been much discussion on this subject in recent years, but no progress has been made. However, the present study should set up a long-range program leading to the eventual acquisition of a place to hang our hats.

Omicron Chapter extends its best wishes to all Theta Tau's during this, our Fiftieth Anniversary, year.

Yours in H & T,
Robert H. Von Stein
Corresponding Secretary

Pi Prepares Political Plans



The first activity of Pi Chapter this fall was the co-sponsorship of the semi-annual Engineers Ball. This is one of the chapter's regular activities done in conjunction with a local fraternity.

The initiation of 17 new brothers on October 27 was the next important event. This was followed on November 13 by an initiation banquet at the Albemarle Hotel. The Theta Tau's on the faculty attended and the special guest was Dean Henderson of the School of Engineering. The Dean, who is retiring next year, was presented a picture with accompanying inscription plaque.

In the line of service to the School of Engineering, Pi Chapter sponsored a lecture by Professor Dillard of the University of Virginia Law School. His subject was "Legal Problems of the Engineer". In view of the success of this lecture, more are being planned.

In the fall elections the Green Ticket, which is sponsored by Pi, ran Jim Duval, fourth year chemical, for Student Council. We are glad to say Jim won and took office in February. He is serving with the other engineer-

ing representative, Wheat Wallenborn, also of Pi.

The first semester was brought to a close with the election of officers for the second semester. These were: Paul Sposito, Regent; Wayne Plunkett, Vice Regent; Hemo Harris; Scribe; Mal Lemaire, Treasurer; and Ben and Frank Black (twins) as Co-corresponding Secretaries. Dr. Quarles continues his fine job as Chapter Adviser.

Under the new officers the second semester work has been planned and started.

In preparation for the observance of the 50th Anniversary we are writing all past members and inviting them to a banquet to be held here May 21st. Also we hope these letters will help bring our alumni files up to date and enable us to put out the Chapter Directory in the near future.

Pi's Green Ticket will again present a slate of candidates in the Engineering School elections this spring. Campaigning has already begun and we feel all our candidates will be successful as were the ones last spring.

The last two weeks in April will be very busy ones here. We are planning to have our spring rushing at this time. Also April 30th is Engineering Open House here at the Univer-

sity of Virginia. To aid in this we are going to have a display of books showing all the courses offered in engineering and also displays showing the opportunities in engineering. Last year this display was very successful as we found it created a very good impression on our visitors, many of whom are in their first year here now.

To really round off the week end of April

30th and May 1st, Pi will again co-sponsor the Engineer's Ball.

We are looking forward to a very busy semester here and wish the rest of the chapters the best success in their activities.

Yours in H & T,

Benham M. Black

Frank S. Black

Co-corresponding secretaries



PI PLEDGES

Standing: (L. to R.) Hemo Harris, Ben Black, Frank Black, Henry Ritchie, Mal Lemaire, Dick Beall, Stan Lanford

Kneeling: (L. to R.) Russ Cofer, "Buckshot" Matacia, "The" Garnett, Tody Mears, Carol Walton

Absent: John Heyward, Jim Daniel, John Organ, Karl Hellenger, Mike Hoherchak

Rho Puts Out Issue of School Mag.



Rho Chapter sends fraternal greetings to all brothers of Theta Tau. We have had some vigorous activities here this year which I would like to tell you about. At the present time, the chapter has twenty-eight active brothers and no pledges on its rolls. We are planning an extensive rushing program for the spring term which should bring our chapter up to full strength until graduation when we will lose our seniors.

Beginning this year, our first project was the editing of the December issue of the *Southern Engineer*, which is the student engineering publication. This proved to be a very interesting project in which almost every member took some part. Articles were written and pictures gathered on such subjects as outstanding engineering projects in North Carolina, the history of Rho chapter, and others by our members who were very enthusiastic about the project. Any interested chapter or

persons may obtain a copy of this issue by writing to me and requesting it.

We held an initiation and banquet on January 15 to celebrate the Fiftieth Anniversary of the fraternity. We were honored by having the past Chancellor of State College as our guest speaker on this occasion. A dance and some fraternal singing followed the banquet. Everyone thoroughly enjoyed himself at this celebration, and it served as a reminder to our members of their responsibilities to the fraternity and our profession.

Engineer's Fair at State College is going to be on the 9th and 10th of April, and we are hoping to be able to take our customary active part in the program. Some of our members are also on the Engineer's Council, and have been actively engaged in preparation for the Fair. We are also considering other projects to further the spirit of Theta Tau on this campus.

The present officers of Theta Tau are: Dave Barrett, Regent; Max Brittain, Vice Regent; Walt Boerner, Treasurer; Del Brough-

ten, Scribe; and Dan Looper, Marshal. We are planning to hold elections during the latter part of April at which time we will choose our leaders for next year.

Our adviser for this year has been Professor T. C. Brown of the Mechanical Department and his helpful interest and friendly counsel have been invaluable. We are indeed fortunate to have such a man here to help us.

Recently, Billy B. Oliver, past Regent of Rho chapter, was named the outstanding senior in the School of Engineering. He was awarded a gold watch at the annual Engineer's Ball as a remembrance of the honor.

Rho chapter extends its best wishes to all brothers of Theta Tau.

Yours in H & T,
Dave H. Barrett, Regent

Sigma Plans Basement Shop



Sigma Chapter extends fraternal greetings and best wishes to all Theta Tau brothers. The past year has proven to have been one of further activity and growth for Sigma Chapter. Our membership now includes

forty actives and thirteen busy pledges. Newly elected officers are: Vice-Regent, Denny Stoia; Scribe, Chuck Gilchrist; Treasurer, Jim Millard; Marshal, Bill Anderson; Outer Guard, Ray Sherban, and Corresponding Secretary, Irv Hazel. With the combined efforts of these officers, the capable leadership of our Regent, Bob Knowles, and the advice of our faculty adviser, Donald Rhodes, we anticipate a year's activities from which Sigma Chapter will emerge stronger than ever.

The active chapter is planning a workshop for the basement, in which we are going to assemble such furniture as desks, bunk beds, and chests of drawers, for use in the sleeping rooms of the house. Two bunk beds and a desk have already been built and another desk is on the way. However, these were all built with hand tools and at considerable expense of time. In order to build more and better furniture in a shorter length of time, we are looking for some good buys in used power tools. If any alumni know where we can pick up a

good bargain on such tools as bench saws, band saws, etc., we would sincerely appreciate your contacting us.

Highlights of the year have been the fall formal, our annual Engineer's Prom, and a combination scavenger hunt and house party which brought forth such miscellaneous items as four blond hairs in a blue envelope, an empty sardine can, and a Purdue University pennant. Events of the future will be the Engineer's Day activities and the Professional Interfraternity Council's banquet at which Theodore Kauer will be honored as one of our most outstanding alumni. Ted, former director of the Department of Highways and presently the director of the Ohio Turnpike Commission, was a civil engineering graduate from Sigma Chapter in 1928.

A group of the wives met at the fraternity house on Thursday, the 18th of February, with the purpose of organizing a Theta Tau Wives' Club. Mrs. Don Jones was appointed Chairman for the remainder of the school year. The next three meetings will be held at 8:00 p.m. on the fourth Thursday of each month at the fraternity house.

Plans for an observance of the Fiftieth Anniversary in conjunction with the commemoration of the thirtieth anniversary of Sigma Chapter are now under way for this fall. With the chapter rooms newly painted and the addition of the furniture workshop,



Sigma Chapter—Winter, 1954, Initiates

Front row: (L. to R.) Less Robinson, Bob Schnabel, Gene Manson

Back row: (L. to R.) Glen Smith, Dale Rawlings, Fred Irons, Kent Schellene

we believe there will be quite an improvement apparent to those brothers visiting us during the observance of our founding.

Yours on H & T,
Irvin E. Hazel
Corres. Sec.

Tau Spirit High



We of Tau Chapter extend our fraternal greetings to all the brothers of Theta Tau, and we would like to report our activities for this year.

Our first meeting last fall, under the leadership of Regent Fritz Hemmer, Vice-Regent Joe Maceyka, Scribe Fred Lyman, and Treasurer Ted Marcy, got under way with plans for the rushing program, which was begun immediately. Twelve men, all of them already outstanding in their activities or personalities, were pledged in November and initiated on January 10. They found their pledge period busy and rewarding. Tau Chapter held a banquet commemorating its

28th anniversary on December 12, and the pledges were set to work sending out invitations to alumni living in nearby areas. Although alumni response was not as strong as was expected, the banquet was a success as far as the brothers were concerned.

After the banquet was over, and after a few assorted social events such as the Splash Party and beer parties, the brothers settled down to begin work on the annual Engineer's Ball, to be held March 20.

At present we are in the midst of final preparations for the Ball, under the leadership of chairman Chuck Rogers. Some of the preparations are handicapped since the engineers are spread out over the campus and are somewhat cut off from one another. However, the committee has done a good job on publicity, and we expect it to be a success.

The Ball this year is open to the entire university and promises to make the fact known to everyone that the engineers are back on the main campus after four years of seclusion at Thompson Road. We have encountered enthusiasm among students throughout the university, and 71 coeds entered the contest to vie for the title "Queen of the Engineers' Ball."

The selection of honorary members and getting out our alumni newsletter are other irons which we have in the fire. Spirit among the brothers is excellent, and every brother is willing to do his part to benefit Theta Tau.

Yours in H & T,
Fred Lyman, Scribe



Engineers' Ball Queens

Upsilon Helps With College Open House



Upsilon Chapter sends you greetings, and hopes that this letter finds you well.

We held our annual Founders' Day banquet on October 14, 1953. This event was attended by members and pledges

and their dates, our housemother, our adviser, other members of the faculty, and the Dean of the College of Engineering. We also held a Christmas party for members and pledges and their dates on December 19, 1953.

We are happy to announce that one of our pledges, J. C. Barr, was elected to be St. Pat and reigned over the College of Engineering

on Engineers' Day. Upsilon publicized the open house which was held on this day and our members distributed programs containing a list of the exhibits. On honors' day at the University of Arkansas, Upsilon Chapter will present its annual award to the outstanding senior engineer. We shall also hold our annual picnic on Sunday, April 28.

Elections were held recently to fill the offices of Vice-Regent, Treasurer, Corresponding Secretary, and House Manager. Those elected to serve were Ruby Beaver, Bob Holcomb, Henry Bauni, and Jimmy Kumpke, respectively. Elections will be held shortly to fill the offices of Regent, Vice-Regent, Treasurer, and Scribe which will be vacated by George Ballard, Ruby Beaver, Bob Hol-

comb, and Phil Snedacor. Mr. J. R. Bisset of the Civil Engineering Department at the University of Arkansas and Director of the Experiment Station is our adviser.

We of Upsilon Chapter hope that our

brothers have enjoyed a prosperous year.

Yours in H & T,

Henry L. Bauni, Jr.
Corresponding Secretary

Phi Battles Losses to Cupid



Phi Chapter extends greetings to all of the brothers throughout the country.

Typically, this academic year has been full for us here at Purdue University. The fall began with two of our of-

ficers, Brothers Biebesheimer and Cottrell, Regent and Vice-Regent, stepping out of office after their marriages during the summer. We held a special election at which Brother Wayne L. Reisinger and Brother R. Devon Hobby were elected to fill the offices of Regent and Vice-Regent, respectively.

With only fifteen active members and eight pledges, the house began an intense rush program. October brought a successful homecoming program here at the house during the middle of the month, while Halloween was the date of the pledge dance, "Korny Kapers." The annual winter formal dance, which embodied a very unusual theme — entitled *Club Cabaret* — gave everyone an enjoyable evening during the early part of December. The week following this dance, five new members were initiated into Phi Chapter: Robert A. Blohm, M. Ronald Halsey, Alfred O. Paas, Paul E. Rentner, and Earl C. Ruby. During the Christmas season, we entertained four children here with a special dinner and presents for all of them.

After our Christmas vacation, everyone spent a frantic three weeks of studying. About one week after mid-term, we were able to initiate three more men into Theta Tau: David E. Rhoads, Thomas E. Clement, and Leon G. Shiman. March brought elections once again. Richard R. Berner was elected Regent, with Earl C. Ruby as Vice-Regent. The offices of Scribe and Treasurer were placed in the hands of Leon G. Shiman and Thomas E. Clement, respectively. The new House Manager is Jesse K. Brennan with Charles R. Schutz, Steward. Advising the chapter is Professor H. L. Solberg, head of the department of Mechanical Engineering.

The recent election of Professor Edward C. Thomas to honorary membership has us happily anticipating his initiation during May. The present active membership numbers twenty-two, with ten men currently pledging. Unfortunately, graduation will claim eleven of our actives this year, so we are still actively pursuing our rush program.

We have had many honors conferred upon men in the house this year. Gimlet Club, the senior organized men's activities honorary society, has in its membership R. Devon Hobby and William G. Halbritter to represent Theta Tau. Earl L. Cottrell will be initiated shortly into Tau Beta Pi, while Robert P. Kaiser is already a member. Robert P. Kaiser is the past president of the local chapter of Eta Kappa Nu, with M. Ronald Halsey a member, and Frank R. Dye (now pledging at Phi Chapter) currently pledging this society. Phi Chapter claims Jesse K. Brennan as Vice-President and R. Devon Hobby as Treasurer of Sigma Delta Chi. Alfred O. Paas and Freeman Rittenhouse (a pledge at Phi Chapter) are pledging the Purdue Drill Team, while Norman Jetta (also pledging Theta Tau) is pledgemaster for the organization. Robert P. Kaiser has been honored with a National Science Foundation Fellowship to the Massachusetts Institute of Technology for advanced work in electrical engineering.

Our annual "Engineers Ball", as well as participation in the local Bat Boat race have all our free moments occupied this spring, besides our plans for celebrating the twenty-sixth anniversary of Phi Chapter.

Understandably, we are looking forward to meeting many of the brothers from other chapters at the convention next fall. Until that time, we will be considering our own plans for a 50th anniversary celebration of the founding of Theta Tau, here at Phi Chapter.

Yours in H & T,

Leon G. Shiman,
Scribe

Chi Enjoys Grand Regent's Visit



Chi Chapter extends greetings to all Brothers of Theta Tau.

The most important event of Chi Chapter this year was the visit of the Grand Regent, Jamison Vawter. This was the first time in many

years that Chi has been honored by a visit from a national officer and was a great occasion for us. The banquet held in Brother Vawter's honor was well attended by alumni and active members who were eager to meet the Grand Regent. His speech gave us an insight into the problems of the Fraternity and also gave us an idea of the problems which may, from time to time, confront individual chapters. With the advice and possibilities outlined by Brother Vawter, Chi Chapter feels it can continue to uphold the highest traditions of Theta Tau and be a credit to the Fraternity.

With the completion of the Engineering Laboratory Clean Up Campaign, last school year, Chi chapter began a joint project with Tau Beta Pi to survey and take physical inventory of the University of Arizona campus. A need for this had, for some time, been felt by the Building and Grounds Department, and we considered the project, although rather large in scope, a most worthy one. It will probably take another year to complete.

In the fall semester, Chi initiated 14

pledges into membership. This brought our active membership up to 41, when brothers J. Hess and Streets returned to the campus and became active once more.

Founders' Day was celebrated with a banquet which was enjoyed by alumni and active members. A moment of silence was observed in memory of all departed Brothers.

In January we held our annual election of officers. Those elected to office were: Robert Bzom, Regent; Joseph Krueger, Vice Regent; William Ulrich, Treasurer; Joseph Holden, Scribe; and George Leslie, Corresponding Secretary. Our faculty adviser is Professor Philip Newlin.

In February a card party was given by the alumni for active members in the Student Union Building. A very pleasant evening of bridge and canasta was enjoyed by all who attended.

At the present time new pledges are being considered.

Our Construction Fund Drive, which was begun two years ago, has been very disappointing. We had hoped that, in a couple of years, Chi chapter could have a building where four or five brothers could live, and where the chapter could hold various functions. In order to do this we shall have to receive greater support from the alumni.

In H & T,

George R. Leslie
Corresponding Secretary

Omega Professional Development Program a Success



Best regards from Omega Chapter. We also wish to extend an invitation to all our brothers to stop in and see us at any time.

Just now the biggest thing around here is the coming observance of the Fiftieth Anniversary of Theta Tau and of the Twenty-Second Anniversary of the establishment of Omega Chapter. We will initiate Charles L. Tollinger as an honorary member. Following the initiation we will hold a banquet. This will be the first date event of the spring quarter.

We have held two pledging smokers so far this year. Last spring 14 new members were initiated and last fall 12 members were initiated. We now have 37 active members and eight pledges and are just beginning a new pledging program.

Throughout the year the fraternity has presented a very good Professional Develop-

ment program. Several very good speakers have given students a good insight on professional life.

Last fall we held a banquet to celebrate Founders' Day and the Fiftieth Anniversary of the fraternity. This banquet also served to acquaint the active members with the new pledges. The next social event was the "Cinch Buckle T", our annual western party. As usual, this was THE PARTY of the year and everyone thoroughly enjoyed the evening. Coming yet is the Spring Formal, and hopes are high that it will be as huge a success as was last year's formal.

A few of the members living in the house have shown their constructive abilities and have remodeled and made other improvements in their rooms. Thanks to the financing of the Alumni Association, plans are also being prepared for making improvements on the exterior of the house later this spring.

Our officers and adviser can be thanked for the success of all these functions. We have

just elected new officers and we feel that they will be just as competent in fulfilling their duties as our past officers were. Here is a list of our present chapter officers: Regent, Thomas Hart; Vice-Regent, Donald Johnson; Scribe, Kenneth Leiter; Treasurer, John Ulteig;

Assistant Treasurer, Mike Dosch; and Corresponding Secretary, Don Allgaier. Our chapter adviser is Professor H. H. Wells.
Yours in H & T,
Don Allgaier
Corresponding Secretary

Gamma Beta Pledges Ring the Bell With Skit



Gamma Beta is operating under the guidance of the following officers: Regent, T. G. Flanagan, Jr.; Scribe, P. J. Martin; Ass't Scribe, C. F. Mohl; Treasurer, Paul Kuzio;

Ass't Treasurer, G. W. Wagner; Corresponding Secretary, R. Van Sickler; Marshal, J. M. Colangelo; Inner Guard, T. S. McLaurin; Outer Guard, B. L. Kilday, and H. A. Miklofsky, Chapter Adviser. At the present time the active chapter numbers twenty-eight.

On November 11th, a shrimp feast was held at Brother Paul Kuzio's house. In addition to the shrimp and actives, many alums and guests were present. A football game, which ended with the terrific score of 0-0, was finally halted due to the fact that our less athletic brothers were consuming all the beer and shrimp. Brothers Paul Kuzio and Casey Mohl, in the meantime, were beating all challengers at horseshoes. If anyone needs a couple of expert shrimp cooks, Regent Tom Flanagan and Alumnus Al Moe are highly recommended by all who attended.

Despite the heavy snow which covered the streets and sidewalks, almost all of the men of Gamma Beta Chapter were at the Davis Hodgkins House for the pledging ceremonies held on Friday evening, January 22, 1954. Celebration of the occasion was done at Brownley's where there is no house rule against beer.

Gamma Beta brothers and pledges gathered at the Delta Tau Delta fraternity house on February 5, 1954, to celebrate the end of the old semester and to mourn the beginning of a new one. This party was considered to be

a great success and the pledges had the honor of returning the next day and straightening things up.

Lisner Auditorium was the meeting place of Gamma Beta brothers on the afternoon of Saturday, March 13, 1954 at 2:00 p.m. when ten men were initiated into Theta Tau. After the formal ceremonies, there was a short recess while wives and/or girl friends were collected and then taken to the Silver Room of the Hotel Hamilton where the banquet and dance was held. The banquet was started at 7:00 p.m. and featured baked ham with all the trimmings. Carr T. Van Sickler's combo was on hand later to provide dance music until midnight. During the intermission, our newly initiated brothers entertained us with a skit, which proved to be the best ever given. The names of the newly initiated brothers are as follows: Joseph E. Bell, Thomas E. Birmingham, Harry M. Brandler, Matthew F. Foster, Leon H. King, Sam A. Mawhood, James T. Richardson, Paul Robey, Derrill C. Rohlfis, and Alan H. Yorkdale.

"Deacon" Ames took great pride in presenting a slide rule, the prize for the best made gear, which went to James T. Richardson. Also, the National Capital Alumni Association presented us with a birthday cake which was enjoyed by all.

On May 19, Gamma Beta Chapter will be visited by our Grand Regent, Jamison Vawter. Plans are now underway for an informal dinner to be held in his honor. This is Brother Vawter's first visit to our chapter in the capacity of Grand Regent, and we hope that all Theta Taus in the Washington region will be able to meet him.

Yours in H & T,
Thomas G. Flanagan, Jr.
Regent

Delta Beta Report Is Short and Sweet



Delta Beta is now in the hands of the following chapter officers: Regent, John McIntyre; Vice-Regent, Charles Sanders; Scribe, William Elder; Treasurer, Alan Gold; Corresponding Secretary, Harold Wahking; Pledgemaster, Francis Huch; Mar-

shal, Delbert Brown; Inner Guard, John Knadler; and Outer Guard, Jack Kiper. Our house manager is Carl Denker.

Professor M. G. Northrup continues as our able adviser. The actives in the chapter now number 40 and we have 10 pledges.

Once again Delta Beta successfully competed with the social fraternities on campus.



Burning Mortgage

McIntyre, Regent; Gold, Treasurer; Wood;
Sanders, Vice Regent

Two sororities gave us parties. We held our Jacqueminot Formal. Last fall we had a hay-ride and we've had two banquets thus far this year. We entered a float in the Homecoming Parade and also in the house decoration contest.

One of the events of the year of which we are proudest was the burning of the mortgage on our house which we now completely own.

We had a choir of some 40 voices entered in the annual Fryburgher Sing on our campus.

During the year we completely remodeled our house, including a new bathroom.

Each quarter we have a guest speaker. Thus far we've had a psychologist and an engineer from industry speak to us.

There have been other smaller events but we feel these will give you an idea of our activities.

Yours in H & T,

Harold Wakhing
Corresponding Secretary



Front row: (L. to R.) Wales, Congelliere, Winder, Tognini, Selden, Greening, Stokes
Second row: (L. to R.) Lucas, Demerjian, Kimball, Schaller, Mikelson, Sherman, Lang,
Mathis, Sanchez, Godzak, Berar, Lynch

Epsilon Beta Strong on Get-Togethers



There are 22 actives and six pledging at the present time. We held a convention at Walker Lodge on Kensington Lake in Michigan during the summer to which we invited Delta Chapter from the Case Institute of Technology and Sigma Chapter from Ohio State University. The convention was very much a success. We had our annual alumni-active picnic during the summer at Rouge Park, Michigan. Both groups were well represented. We held our annual

Founders' Day Dance at the Hillcrest Country Club last October 18th. The turnout was exceptionally good. We had a booth in the "Wintermart" at Wayne University which was given the title "Beat the Engineers." This engineering game of skill met with only moderate success. We were well represented at the I.F.C. Ball held on Friday, January 15th. Six pledges were initiated at Walker Lodge on the 3rd, 4th, and 5th of February. The Formal was held at the Lee Plaza Hotel in Detroit on Sunday, February 7th.

The chapter officers of Epsilon Beta are as follows:

Frank Schaller, Regent;

Logan Mathis, Vice-Regent;
James Owens, Treasurer;
Gerald Schley, Recording Secretary; and
Norman Ferguson, Corresponding Sec.

Our chapter adviser is Dr. Harold G. Donnelly.

The accompanying pictures are the most recent pictures taken. All the outstanding events of the last year have been put in a movie in color by Chester Seldon, a Theta Tau Alumnus.

Yours in H & T,

Norman Ferguson
Corresponding Secretary



Spring Informal

Shaller, Preece, Godzak, Kargilis, Wales,
Pease, Stokes, Congelliere (prone)

Detroit Alumni Form New Association

Things are moving along quite smoothly for us under the leadership of Brother Beecher Eaves. We have just recently been granted a charter as an Alumni Association and were quite pleased to learn that the charter was to be dated October 15, 1954, the fiftieth anniversary of the Fraternity.

We have, within our group, set up an investment club composed of 15 men. The Club buys and sells stock in attempts to produce a profit. None of us is a millionaire as yet, but our investment is only \$15 per month. This small-scale bartering on the stock market is very interesting and informative besides being lots of fun.

We usually have one technical talk at every meeting (once a month) given by a member of the Association or an outside speaker. Recently we heard a talk on the various types of insurance, something that concerns all of us.

Brother Stan Lonski is on the Detroit Junior Board of commerce, and besides keeping

us informed of Detroit's future plans, he is a great asset to our civic affairs committee.

In order to get together socially and to get our wives and girl friends interested, we organized a bridge club. Seeing that there would be too large a crowd for the whole group to meet together, we decided to operate in groups of four couples. The bridge club is quite a recent development and it is coming along fine.

We are holding a banquet on May 6, 1954 in conjunction with the active chapter (Epsilon Beta) to celebrate their third anniversary in Theta Tau and also to honor Brother Vawter who will be visiting Detroit at that time. Also plans are in the making for our annual Founder's Day dinner dance to be held with the active chapter to celebrate the 50th anniversary of Theta Tau.

In H & T,

Charles Greening,
Corresponding Secretary

Intermountain AA Holds Two Meetings

The present officers of the Intermountain Alumni Association of Theta Tau are: Thomas E. Lucas, President; Max J. Kennard, Vice President; Edward J. Watts, Secretary; and George W. Carter, Treasurer.

The Intermountain Alumni Association had two fine dinner meetings in 1953. The spring meeting held May 13th, was highlighted with a talk by George M. Gadsby, President of the Utah Power and Light Company. Mr. Gadsby spoke on the responsibilities and opportunities of business and professional men today.

The fall meeting was held December 8th at the Fort Douglas Golf Club clubhouse.

President Tom Lucas presided and Lynn Peterson was master of ceremonies. The speaker of the evening was Brother Otto Herres, one of our own Intermountain Alumni who is Vice-President of Combined Metals Reduction Company and Chairman of the National Lead-Zinc Committee. His topic was Tariffs and Trade with regard to their effect on the metal mining industry, lead and zinc mining particularly.

Yours in H & T,

E. J. Watts
Secretary

Chicago AA Wants Theta Tau's Addresses

The Chicago Alumni Association held a meeting at Chicago's Central YMCA on March 19 and another meeting is being planned for April 26 with the location to be announced later. We are anxious to hear from all alumni in the Chicago area who do not believe that their names are on our mailing list. A card mailed to me at 99 Ash St., Park Forest, Ill.

will place the names of any interested alumni on our list.

The current officers are G. A. Nottoli, President; S. W. Manich, Vice-President; A. T. Swanson, Secretary-treasurer; and E. Bress, P. A. Sanders and M. Manich, Directors.

Yours in H & T,
A. T. Swanson
Secretary-Treasurer

Chapter Advisers

ALPHA—Prof. Miles S. Kersten, C.E. Dept., University of Minnesota, Minneapolis, Minn.

BETA—Prof. L. F. Duggan, Michigan Tech., Houghton, Mich.

GAMMA—Prof. Geo. W. LeMaire, Colo. School of Mines, Golden, Colo.

DELTA—Prof. L. J. Reardon, C. E. Dept., Case Inst. of Tech., Cleveland, Ohio.

EPSILON—Dr. Samuel P. Welles, 982 Santa Barbara Rd., Berkeley, Calif.

ZETA—Prof. T. F. McMahon, 6 Westwood Dr., Lawrence, Kan.

THETA—Prof. Howard Vreeland, Drafting Dept., Columbia U., New York 27, N. Y.

IOTA—Prof. J. B. Butler, C. E. Dept., Mo. School of Mines, Rolla, Mo.

LAMBDA—Mr. Preston Linford, C. E. Bldg., U. of Utah, Salt Lake City, Utah

MU—Prof. J. M. Faircloth, C. E. Dept., Univ. of Alabama, University, Ala.

XI—Prof. G. A. Rohlich, 9 Hydr. Lab., Univ. of Wis., Madison, Wis.

OMICRON—Prof. Ned Ashton, C. E. Dept., University of Iowa, Iowa City, Iowa

PI—Prof. Lawrence Quarles, E. E. Dept., Univ. of Virginia, Charlottesville, Va.

RHO—Prof. T. C. Brown, M. E. Dept., No. Car. State College, Raleigh, N. C.

SIGMA—Prof. Donald R. Rhodes, 4424 Sharon, Columbus 14, Ohio

TAU—Prof. Gerald Walsh, Dept. of Engr. Drafting, Bldg. #5, Syracuse University, Syracuse 10, N.Y.

UPSILON—Mr. J. R. Bissett, C. E. Dept., Univ. of Arkansas, Fayetteville, Ark.

PHI—Prof. Harry L. Solberg, M. E. Dept., Purdue University, Lafayette, Ind.

CHI—Mr. Philip D. Newlin, University of Arizona, Tucson, Ariz.

PSI—Prof. Koehler Stout, Montana School of Mines, Butte, Montana

OMEGA—Mr. Howard H. Wells, S. D. School of Mines, Rapid City, S. D.

GAMMA BETA—Dr. H. A. Miklofsky, School of Eng., George Washington U., Washington, D.C.

DELTA BETA—Prof. M. G. Northrop, E. E. Dept., Univ. of Louisville, Louisville, Ky.

EPSILON BETA—Prof. Harold G. Donnelly, Eng. Col., Wayne U., Detroit, Mich.

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