



The **GEAR**
of **THETA TAU**



FALL 1963

VOLUME LIII

NUMBER 1

THE EXECUTIVE COUNCIL

has authorized a formal plan for

VOLUNTARY CONTRIBUTIONS TO THETA TAU FRATERNITY

by its alumni and other interested persons. These contributions may be by periodic or occasional gifts or bequests.

Specifically, persons may contribute to a "Founders' Memorial Fund" or give "unrestricted gifts." Funds contributed to the Founders' Memorial Fund are to be invested in securities (stocks, bonds, and mortgages) with preference to be given to loans to Theta Tau house corporations for the purpose of building, buying, remodeling, or furnishing chapter houses. One-half of the return on invested funds will be reinvested, and the other one-half will be used as directed by the Trustees (Executive Council). These gifts are not deductible for income tax purposes. Unrestricted gifts will be used in the operation or promotion of Theta Tau Fraternity as directed by the Trustees.

No minimum amount has been set, and all gifts are welcome. The form on page 40 is provided for those interested.



The Gear of Theta Tau

FALL 1963

VOLUME LIII NUMBER 1

Board of Editors

WILLIAM E. FRANKLIN, *Editor-in-Chief*, 1507 Lynwood Dr., Lindsay, Oklahoma 73052

J. W. HOWE

GARN HATCH

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Cover Picture: This issue of The Gear could well be termed the Housing Issue. Alpha Chapter's house, which was built in 1957 near the University of Minnesota campus, is featured on the cover to draw attention to this fact.

● *The Gear* is the official publication of Theta Tau, national professional engineering fraternity. It is published fall and spring. The magazine is devoted to matters of Fraternity interest and is sent at no cost to alumni whose addresses are on record at *The Gear* office. ● Send change of address, editorial, and business correspondence to the Editor-in-Chief, William E. Franklin, 1507 Lynwood Drive, Lindsay, Oklahoma 73052. ● *The Gear* is printed by the Allen Press, Lawrence, Kansas. Third class postage has been paid at Lawrence, Kansas.

Theta Chapter Reinstalled at Columbia

Our eighth Chapter returns to active status after a period of absence dating back to 1957. A number of prominent Theta Taus were on hand.

On April 13, 1963, Delta Theta, local fraternity at Columbia University, was installed as Theta Chapter of Theta Tau. Theta was thus restored to the chapter roll of Theta Tau Fraternity after a period of inactivity since 1957.

Theta Chapter was originally chartered on May 26, 1914. As the members volunteered for military service, the Chapter became inactive during World War I and was revived in 1920. The Chapter initiated more than 600 members until 1957, when a majority of its active members withdrew from the Fraternity as the result of a disagreement over certain Constitutional provisions. Its charter was subsequently suspended and then revoked. Delta Theta was then organized, and the group petitioned Theta Tau for a new charter at the Twenty-Fourth Biennial Convention, held in December 1962. The petition was approved.

Columbia University

Columbia University was founded as King's College in 1754. Such Revolutionary leaders as Alexander Hamilton and John Jay attended the college, which stood in downtown Manhattan. After the Revolutionary War, a new state charter gave the college the name of Columbia College.

Columbia was moved to a site on Madison Avenue in 1857, and in 1870 it was moved to the present location, Morningside Heights. It became known as Columbia University in 1869.

Columbia's School of Engineering was founded as the School of Mines in 1864. Bachelor of science degrees are offered in chemical, civil, electrical, industrial, mechanical, metallurgical, mineral, and mining engineering, engineering geology, engineering or applied mechanics, flight sciences, nuclear engineering science, and applied

or engineering mathematics. Master of science, doctor of engineering science, and doctor of philosophy degrees are offered in these fields. A number of other special degrees are given. All the major programs are approved by the ECPD. There are 530 undergraduates in the school.

The Installation

At 2:00 p.m., Saturday, April 13, 1963, a Grand Chapter of Theta Tau was convened in Ferris Booth Hall at Columbia University to install Delta Theta as Theta Chapter. Members of the installation team were William K. Rey, Grand Regent; A. Dexter Hinckley, Past Grand Regent; Robert E. Pope, Grand Scribe; Donald D. MacLaren, Theta '45; Howard W. Vreeland, Theta '46, Delta Theta adviser; Richard G. Hindliter, Zeta '58; and Michael A. Gibbs, Mu '57. Of much assistance to the team in preparing for the ceremony was Benny A. Anderson, Zeta '57.

Initiated as charter members were: Gabriel A. Rosica, Warren P. Hawrylko, Russell C. Baccaglini, Paul Kende, Robert W. Jamison, Harry E. Squassoni, Howard L. Freese, Burgess A. Levin, Tobias A. Gottesman, N. Michael Lowenkron, Robert H. Mayer, Joel M. Schoen, and Laird P. Whitehill.

The following men were then initiated as active members: Gerald R. Kocher, Arthur W. Epley III, Robert C. Halden, Victor J. Revenko, John B. Forbes, Robert A. Goldstein, Michael Jefferis, Robert J. Power, Steven L. Shrier, Robert S. Wilkov, Michael D. Wortham, John D. Spear, Robert G. Vambéry, William A. Morrison, Theodore Diesenhaus, and Theodore J. Bielen, Jr. John G. Mineo, who was unable to attend the installation, was initiated as an active member the following week.

Installed as officers of Theta Chapter were: Gabriel A. Rosica, Regent; Warren P. Hawrylko, Vice Regent; Robert W. Jamison, Scribe; Russell C. Baccaglini, Treasurer; and Paul Kende, Corresponding Secretary.

Installation Banquet

A reception and banquet were held at 7:00 p.m. Saturday evening in Ferris Booth Hall. The invocation was given by Richard G. Hinderliter. Grand Scribe Robert E. Pope was master of ceremonies for the program. Greetings from the Columbia School of Engineering and Applied Science were extended by Howard W. Vreeland, assistant dean of students, representing Dr. John R. Dunning, Dean. Grand Regent William K. Rey welcomed the new Chapter on behalf of Theta Tau Fraternity and presented the

Chapter's new charter to Gabriel A. Rosica, Regent, who responded for the Chapter.

William M. Lewis, Gamma '09, one of the four Founders of Theta Tau, was the honored guest at the day's events, and spoke at the banquet. Grand Regent Rey presented to Past Grand Regent Hinckley, in tribute to his service on the Executive Council, the Fraternity's Citation (announced at the last Convention), and introduced him as a speaker. Other speakers were Mr. Robert J. Cooper, director of student activities for the Columbia School of Engineering, and Donald D. MacLaren, president of Theta Tau's Metropolitan New York Alumni Association. Grand Regent Rey gave the main address of the evening. In attendance were a number of members of the Alumni Association.

Northern Regional Conference Plans Complete

The Northern Regional Conference will be held November 28-30 in Houghton, Michigan, with Beta Chapter as host. James Mitchell of Beta is conference chairman.

Each of the chapters in the region—Alpha, Beta, Xi, and Omicron—is expected to send at least one delegate. Each delegate will present a report of his chapter's activities since the last Conference.

Panel discussions are planned on the following topics: pledging, alumni relations, financial problems of the house, housing

problems, professional activities, campus affairs and social activities, functions of chapter advisers and officers, initiations, and the national Fraternity. Special events will include a tour of the Michigan Tech campus, the initiation of an honorary member, and a banquet.

Headquarters for the Conference will be the new Beta chapter house. The Executive Council will be represented by John Dealy, Regional Director, and Robert E. Pope, Executive Secretary.

BEQUESTS TO THETA TAU

Bequests to Theta Tau may be made using the following suggested form: "I give, devise, and bequeath to Theta Tau, national professional engineering fraternity, with its Central Office located at 13 Sona Lane, St. Louis, Missouri 63141, \$ _____ (or 'the following described property, or securities'), as an unrestricted gift (or 'as a contribution to its Founders' Memorial Fund')."

Chapter Housing

A charter member of Sigma Chapter and active in the Sigma House Corporation, Brother Hanes effectively draws attention to the importance of the chapter house and the relation of alumni to it.

by C. Ramond Hanes, Grand Vice Regent

In a Fraternity whose purpose shall be to develop and maintain a high standard of professional interest among its members and to unite them in a strong bond of fraternal fellowship, the value of proper housing is of utmost importance. Emphasis is again placed on housing in our Constitution in requiring each petitioning body to manifest its intention of securing permanent headquarters.



While "permanent" is a relative term, it is obvious in reviewing the history of our Fraternity that proper housing has much to do with establishing the strong bond of fraternal fellowship which has been the hallmark of our professional Fraternity.

It is natural to expect this would follow when we consider the place proper housing has in our family life. While some will argue that home is where the heart is, which should have little to do with whether the facilities are rented and subject to being changed from time to time, it is a well-accepted fact of our American way of life that family life is most successfully carried on under a permanent roof.

This is to be expected because as we trace the history of mankind—its development from the savage state when the cave was the first "home" until the present time—civilization has always had as its primary concern proper housing. Some will say, "Yes, but what has family housing to do with our fraternity life?" Let's take a look at the situation, which obviously must be considered from two viewpoints—first,

that of the active chapter, and second, that of its alumni members.

Just how much is it worth to the active chapter? I do not believe its true value can be adequately assessed from the immediate concern only. Where can a group develop those qualities of fraternal fellowship as adequately as living together in the home conditions of the Fraternity? It is true that this type of living

together in a group requires some adjustments from the home life the individual from a small family group has previously experienced. But these adjustments are a desirable transition in successfully coping with those of a more serious nature which must be faced later.

As any of you home owners know, when you have your own home you never want for something to do, which certainly fits in well with having pledges constructively occupied. And of course both from the standpoint of the active managing the house and the pledges carrying on some of the day to day sprucing up and policing activities, the pride of ownership gives real meaning to these tasks. As Ralph Waldo Emerson stated,

A man builds a fine house and now he has a master, and a task for life; he is to furnish, watch and show it, and keep it in repair for the rest of his days.

At our Regional Conferences and Biennial Conventions, the pride of ownership is reflected by our active chapters' representa-

tives when telling of what they are doing regarding their housing, which is adequate proof of its importance.

Alumni Values

From the alumni standpoint the house takes on new meaning of more depth with each succeeding year. Just as we like to visit our ancestral homes with their fond recollections of bygone days, so do we like to come back to the Fraternity house with its pleasant associations. This gives real meaning to our homecoming. It has been truthfully stated that it "takes a lot of living to make a house a home"—sharing in the sorrows as well as the joys, and we have heard some of our alumni members recall these experiences in their homecoming visits. "Do you remember when we were so hard up we had to improvise and build this?" And suddenly the fact you have a pleasant recollection of those "good old days" gives real meaning to your visit to the "old house."

Alumni will have a continuing interest in their Fraternity through active participation in ownership of chapter houses. Since the active chapter's turnover is so great from year to year, it is necessary to have the stabilizing and continuity effect of an alumni group to actively carry through with a building or purchase program. This serves a double purpose in providing a worthwhile activity for the alumni and at

the same time brings them into closer contact with the active chapter. This mutual concern is of utmost importance in the life of the Fraternity in serving as a tempering influence to the active chapter when the need is greatest.

One very important consideration in extolling the virtues associated with adequate housing is the opportunity it presents for having Auxiliaries and Theta Tau Wives groups actively participating in furnishing the advice and materials which make it a real home. Needless to say, this kind of participation should be sought as a great source of strength and purpose. The old saying "never underestimate the power of the ladies" is emphasized wherever we have these groups working with our chapters and alumni associations in our housing activities.

I like to think of the building of our Fraternity and our fraternity houses as expressed by John Ruskin:

Therefore when we build—let us
think we build forever
Not our present delight nor for present
use alone
Let it be such work as our descend-
ants will thank us for
and let us think as we place stone
upon stone
That a time will come when those
stones will be held sacred
And that men will say as they view
our labor and the substance
wrought
See this our fathers built for us.

Southeastern Alumni Club Formed at Huntsville

The Southeastern Alumni Club of Theta Tau is now being organized in Huntsville, Alabama. Permission to organize the club was granted by Grand Regent William K. Rey to Travis Pruitt, Leon Vick, Jr., James Dixon, and Erskine Donald, all Mu '63. The temporary chairman of the group is Brother Vick.

The charter meeting of the club was held on October 16 at the Candlelight Inn in Huntsville. Seventeen alumni, including

Grand Regent Rey, attended. Plans were made for another meeting in November, when officers will be elected and Bylaws adopted.

All Theta Tau alumni living in counties of Alabama and Tennessee within a fifty-mile radius of Huntsville are invited and urged to participate in the club. Those who have not yet been contacted should contact Leon Vick, 2213-G Pizitz Drive, S.W., Huntsville, Alabama.

Introducing the Regional Directors



NORTHERN REGION John M. Dealy, Zeta '58, is a Ph.D. candidate in chemical engineering at Michigan University in Ann Arbor. He works half time doing thermal and stress analyses of missile components. At the University of Kansas, Brother Dealy was Regent of Zeta Chapter. He was elected Outstanding Delegate at the 21st Biennial Convention. Brother Dealy is chairman of the Constitution Revision Committee and has served on the Membership Requirements Committee. A bachelor, he is a member of Tau Beta Pi, Sigma Tau, Phi Lambda Upsilon, Omicron Delta Kappa, and AIChE.

CENTRAL REGION George G. Dodd, Zeta '60, is a Ph.D. candidate in electrical engineering at the University of Illinois. He is an instructor in electrical engineering and research associate in the Coordinated Science Laboratory. Brother Dodd was Regent of Zeta Chapter, and was elected Outstanding Delegate at the 22nd Biennial Convention. He is chairman of the Ritual Revision Committee and has served on the Convention Planning Committee. Brother Dodd is a member of the IEEE, Tau Beta Pi, Sigma Tau, Eta Kappa Nu, and Sigma Pi Sigma. He lives with his wife and daughter in Champaign.



EASTERN REGION Michael A. Gibbs, Mu '57, is vice president of Cameras for Industry, Inc. of New York City. The firm manufactures and designs photographic security and detection equipment. He is a candidate for an M.S. degree in industrial management at Brooklyn Poly Technic Institute. Brother Gibbs is a first lieutenant in the Air Force Reserve, having served with the Military Air Transport Service in the Far East. He is a member of Sigma Alpha Mu, the IAS, the ASME, and an associate member of the Instrument Society of America. A bachelor, Brother Gibbs' hobbies are tennis and boating.

WESTERN REGION Garn Hatch, Zeta Beta '56, is a senior project engineer for Sperry Utah Company in Salt Lake City. A charter member of his Chapter, he is a member of the Regional Conferences Committee and a member of the Board of Editors of *The Gear*. Brother Hatch is commander (Lt. Col.) of the 4th Rocket Howitzer Battalion at Fort Douglas. He is chairman of the Utah Engineering Council and editor of the Council's journal, *Utah Engineering and Science*. He is a charter member of the Utah Section of the American Rocket Society. His family includes his wife and four children.



Comments from the Central Office

What does Theta Tau membership mean to you? Likely the degree to which membership is meaningful is proportional to the degree of participation in the activities of the Fraternity recently.

Naturally, as the years slip by, alumni like to recall "the good old days" when everything (the Fraternity and its chapters included) was more vital, greater. This makes for interesting reminiscing when members get together, but it is hardly helpful in solving today's problems. Times change. Indeed, the facts are that the old days were overwhelmingly good only in our memories. And the only things which endure are great principles such as are emphasized in our Ritual, and the quality of man that these principles and Theta Tau experience can mold.

Chances are the reason the old days seem so good in retrospect is that the one recalling them was playing an active role at that time in the Fraternity's activities. Visit any chapter—ask any member, or any pledge, what his Fraternity means to him. His answer will reflect the degree to which he is involved with the Fraternity's activities, not necessarily as an elected officer, but as a doer, not as one who "just belongs" or "hopes to belong."

Truly successful chapter officers recognize the importance of utilizing completely the talents of each student member or pledge. Only in this way can the student engineer garner fully the lasting values of Theta Tau membership. Having the advantage of daily contact with their Fraternity brothers, these officers can make sure that Theta Tau membership is a most meaningful experience for each member on campus.

After graduation, this daily contact is usually ended. Our national officers are



unable to enjoy the same frequent opportunity of contact with each alumnus. But membership continues, and it should continue to be meaningful. Only a few can serve as national officers, and only a few more as chapter advisers, but there will always be a place in Theta Tau for the worthwhile participation of each alumnus. Usually the alumnus must take the initial step. An increasing number are.

The obvious medium for participation by an alumnus is the Alumni Club or Association. The number of these is gradually increasing, as more alumni finding themselves in an area without a formal alumni organization are forming a Club with help from our Executive Council. Suggestions for organizing an Alumni Club and names and addresses of alumni in the area are obtainable from the Central Office.

Although it is relatively simple to gain from the Grand Regent authorization for an Alumni Club (which after two or more years of successful operation may be chartered as an Alumni Association), the alumnus living near an existing alumni organization finds it even easier to continue his active participation in Theta Tau. He needs only to contact the president or secretary of the nearby organization and indicate his interest in participating in making the existing organization a more active one.

Participation in the affairs of our Fraternity in a most valuable way is possible for those alumni who are located near, or have contacts at, accredited engineering schools where we do not yet have chapters. Coordinated efforts by a local alumnus and the Central Office can mean more examples of extension success in the years just ahead.

Whether or not he can help in the organization of a new chapter, each alumnus may well be able at some time to help his Fra-

ternity, and an engineering student related to, or known to him, by recommending the student for Theta Tau membership as effectively described by the Grand Regent in his message in the previous issue of this magazine.

If the student you would recommend is enrolled, or planning to enroll, in engineering at an accredited school, whether or not there is already a Theta Tau Chapter there, let the Central Office know of him, and the appropriate contact will be made. In introducing students to Theta Tau, the alumnus might be able to use some current information booklets which the Central Office will be glad to supply upon request.

Finally, all alumni, even those in remote

locations without campus or student contacts, can still participate in our Fraternity's progress in a most important way—financially. Contributions in the form of unrestricted gifts, gifts to the Founders' Memorial Fund, or bequests, especially at this time, can do much to insure for future generations of engineers the same opportunity of membership we have enjoyed.

Continuing active participation in Theta Tau as an alumnus, in one or in several ways, can be of great service to the Fraternity. It can also keep the alumnus in close contact with the principles of our Fraternity and make membership a most meaningful experience.

ROBERT E. POPE

Alumni Contributions Helping Theta Tau

Alumni contributions began as the result of the announcement in the Spring *Gear* that the Executive Council had authorized a formal plan for voluntary contributions to Theta Tau by its alumni and other interested persons.

Appropriately, the very first unrestricted gift to Theta Tau was from Founder William M. Lewis, whose most generous gift was further demonstration of his continuing loyalty to and love of the Fraternity he helped to found fifty-nine years ago.

The second unrestricted gift was from another Alpha alumnus, Carroll E. Elliott, '30. For these and other gifts from loyal alumni, our Fraternity is most grateful.

Gifts at this time are especially helpful as the Fraternity is moving forward to make undergraduate and alumnus membership more meaningful, and to extend the bene-

fits of membership to others through establishment of new chapters at well-accredited engineering schools.

Every alumnus is invited to participate personally in the progress of Theta Tau through a financial contribution in the form of an unrestricted gift or of a gift to the Founders' Memorial Fund as described inside the front cover of this issue. Gifts of all sizes from members of Theta Tau and from other interested persons are most sincerely appreciated.

A form for use in sending contributions to the Central Office is provided on page 40. On the back of this form is space for use in recommending an engineering student for Theta Tau membership. It is hoped that many more alumni will be able to make use of one or both sides of this form in helping our Fraternity.

ADVERTISING IN *THE GEAR* has been authorized by the Executive Council and space in the Spring 1964 issue will be available. Advertising rates and requirements are available through the Editor's office.



Alumni News

Dr. Lloyd V. Berkner Has Distinguished Career

Dr. Lloyd V. Berkner, Alpha '27, is president of the Graduate Research Center of the Southwest in Dallas, Texas, and director of its Southwest Center for Advanced Studies. His distinguished career has brought him honors from all parts of the world.

Following his graduation from the University of Minnesota, Brother Berkner worked as an electrical engineer for the U. S. Bureau of Lighthouses. From 1928 to 1930 he was an engineer with the first Byrd Expedition to the Antarctic. For his services there, he was awarded the U. S. Special Congressional Gold Medal, the Silver Medal of the Aeronautical Institute, and the Gold Medal of the City of New York.

For the next three years he was on the staff of the National Bureau of Standards, and from 1933 to 1941 he was a physicist with the Department of Terrestrial Magnetism of Carnegie Institution of Washington, D. C. He studied physics for two years at the George Washington University during this time.

Brother Berkner, an aviator in the Naval Reserve since 1926, was called to active duty as head of the Radar Section, Bureau of Aeronautics in 1941. He directed the Bureau's Electronics Materiel Branch from 1943 to 1945, and served on the U.S.S. *Enterprise* in 1945. He has held the rank of Rear Admiral, USNR, since 1955.

During 1946-1947 he was executive secretary of the Research and Development Board. He was head of the Section on Exploratory Geophysics of the Atmosphere, Department of Terrestrial Magnetism, Carnegie Institution, from 1947 to 1951. From 1951 to 1960, Brother Berkner was president of Associated Universities, Inc. of New



York, an educational institution which operates such research facilities as Brookhaven National Laboratory and the National Radio Astronomy Observatory. In 1960 Brother Berkner became president of the Graduate Research Center in Dallas.

Brother Berkner has held numerous offices and advisory positions in government, industry, and education. He has served as special assistant to the Secretary of State, as director of the Foreign Military Assistance Program in 1949, and as chairman of the International Science Steering Committee. Recently he was a leader on national and international committees for the International Geophysical Year. He was formerly a member of the President's Science Advisory Committee.

He has been awarded honorary doctorate degrees by Brooklyn Polytechnic Institute; Uppsala University, Sweden; University of Calcutta, India; Dartmouth College; University of Notre Dame; University of Edinburgh, Scotland; Columbia University; the University of Rochester; Tulane University; and Wayne State University. The University of Minnesota honored him with the Distinguished Alumni Award in 1952.

Brother Berkner received the Science Award of the Washington Academy of Sciences in 1941; Commendation Ribbon of the Secretary of the Navy in 1944; Honorary Officer, Order of the British Empire in 1945; U. S. Legion of Merit in 1946; the Alumni Recognition Award of Acacia Fraternity in 1954; the John A. Fleming Award of the American Geophysical Union in 1962; and Eminent Member, Eta Kappa Nu in 1962.

He is retiring chairman of the Space Science Board of the National Academy of Sciences, past president of the International Scientific Radio Union, past president of the International Council of Scientific Unions, and a former member of the Executive Committee of the International Union of Geodesy and Geophysics. He is treasurer of the National Academy of Sciences, a member of the American Philosophical Society, past president of the American Geophysical Union, and a Fellow of the American Academy of Arts and Sciences, the AIEEE, the American Physical Society, the Arctic Institute of North America, and the New York Academy of Sciences. He is junior past president of the IRE. He is a Foreign Fellow of the Royal Swedish Academy of Sciences and holds membership in numerous other professional and honorary societies in the U. S. and abroad.

University of Wisconsin Names Rohlich to Post

Dr. Gerard A. Rohlich, Nu '34, has been appointed coordinator of university-industry research by the University of Wisconsin Board of Regents. He is now professor of civil engineering and faculty adviser to Xi Chapter.

The newly-created program is designed to facilitate application of the University's scientific resources to the state's industrial

progress. Brother Rohlich will keep Wisconsin industry informed of University research development and give help to industry in applying research projects to practical problems.

Brother Rohlich will become associate dean of the Graduate School. He has done considerable consulting work and is already known by industrial leaders in Wisconsin.

Lester C. Uren Award Established

The Society of Petroleum Engineers has established a new award, the Lester C. Uren Award for professional engineering achievement. The first medal will be awarded posthumously to Brother Uren, Epsilon '11, who died in 1960. He was honored at the 50th Anniversary SPE Fall Meeting in New Orleans in October. Actual presentation of the medal will be made to Mrs. Uren in California.

The citation accompanying Brother Uren's award states: "In recognition for his lifetime of distinguished leadership in pe-

troleum engineering education and for his enduring contributions to the permanent literature of petroleum engineering, which have widely influenced the development of the engineering profession."

Brother Uren taught at the University of California at Berkeley for over 40 years. In 1924 he authored the first basic textbook on petroleum production engineering, which has since grown into three volumes and become a basic reference work. He made many contributions to research in petroleum engineering.

Dr. Gilruth Heads NASA Spacecraft Center

Dr. Robert R. Gilruth, Alpha '35, is regularly in the news, for he is director of the NASA Manned Spacecraft Center in Houston, Texas. The Center's current major projects are Mercury, Gemini, and Apollo. The organization is responsible for development of spacecraft for manned flight, for flight crew selection and training, and for the conduct of space flight missions.

Brother Gilruth received his B.S. degree in aeronautical engineering from the University of Minnesota in 1935 and his M.S. degree in the same field the following year. He then entered duty at the Langley Memorial Aeronautical Laboratory of the NACA, where he began his career in flight research. In 1952 he was appointed assistant director of the Langley Laboratory, and in 1958 he was assigned to manage the program of manned space flight, now known as Project Mercury. Brother Gilruth was named director of the Manned Spacecraft Center at the time of its creation.

Throughout his career, Brother Gilruth has participated on many scientific advisory committees for the military services and NASA.

Brother Gilruth has received honorary doctor of science degrees from the University of Minnesota, the Indiana Institute of Technology, and the George Washington University. In August he was the principal speaker at Michigan College of Mining and Technology's summer Commencement, where he was awarded the honorary doctor of engineering degree.

Brother Gilruth is an Honorary Fellow of the Institute of Aerospace Sciences, a Fellow of the American Rocket Society, a Governor of the National Rocket Club, and

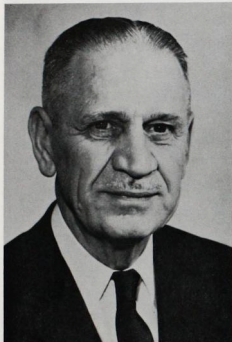


a Fellow of the American Astronautical Society. He has received the IAS Sylvanus Albert Reed Award, the Louis W. Hill Space Transportation Award for 1962, the NASA Distinguished Service Medal from the President of the United States, the Medal of Honor of the City of New York, the Goddard Memorial Trophy of the National Rocket Club, the U.S. Chamber of Commerce Great Living American Award, the Medal for Distinguished Federal Civil Service from the President of the United States, and the Robert H. Goddard Memorial Award of the American Rocket Society.

REPLACEMENT SHINGLES

Alumni and active members: You may obtain a replacement "shingle" through the Central Office if your original has been lost or if you have changed your name. The cost is \$1.25. Direct all requests to Robert E. Pope, Executive Secretary, 13 Sona Lane, Saint Louis, Missouri 63141.

Daniels Retires; Accepts New Post



Dr. John M. Daniels, Nu Hon. '22, Past Grand Regent, has been named director of admissions at Mount Mercy College in Pittsburgh, Pennsylvania. He was formerly

admissions director at Carnegie Institute of Technology.

Brother Daniels received his B.S. degree from the University of Pittsburgh, then joined the faculty of the Department of Civil Engineering at Carnegie Tech. He was named director of admissions and supervisor of freshman scholarship in 1939. At Carnegie Tech he also served as acting director of the Division of Student Affairs, acting dean of students, and director of summer sessions from 1953 to 1962.

In 1948 Brother Daniels was awarded an honorary doctor of education degree by Duquesne University. He is a past president of the Middle States Association of Collegiate Registrars and Officers of Admission. He is also active in the American Association of Collegiate Registrars and Admissions Officers. Brother Daniels is currently on the industrial scholarship committees of eight companies and a trustee of Kiski Preparatory School.

Brother Daniels' service to Theta Tau goes back to 1931 when he became Grand Outer Guard. He served as Grand Inner Guard, Grand Vice Regent, and Grand Regent. In 1949 he became Grand Marshal and served in that position until 1958. He is still active in Theta Tau and was the featured speaker at the 1962 Convention.

Evans, Pan American Vice President, Retires

John R. Evans, Gamma '23, retired in March as vice president for production and director of Pan American Petroleum Corporation, Tulsa, Oklahoma.

Brother Evans studied mining engineering at Missouri School of Mines and Colorado School of Mines. He served with the U.S. Marine Corps in France during World War I. In 1925 he joined Midwest Refining Company, and when Midwest's field operations were consolidated into Pan

American in 1931, he joined the Tulsa firm.

In 1948 he was appointed division manager at Fort Worth. He was elected a director of the company in 1952 and a vice president in 1953. He was general manager of production for Standard Oil Company (Indiana) for two years.

Brother Evans is a registered professional engineer in Texas and Oklahoma, and is listed in *Who's Who in Engineering*. He is a member of the American Petroleum

Institute and the Mid-Continent Oil & Gas Association. In 1952 he was presented a citation for service by the Mid-Continent District of API, and was given a distinguished achievement medal by Colorado School of Mines the same year. He was named "Engineer of the Year" by the Fort Worth Chapter of the Texas Society of

Professional Engineers in 1955.

Brother Evans has served as a director of the Texas Research League, the Texas Mid-Continent Oil and Gas Association, the Fort Worth Chamber of Commerce, and the First National Bank of Fort Worth.

Brother Evans and Mrs. Evans plan to return to Fort Worth to make their home.

Kippenhan Named Department Head at Washington

Dr. Charles J. Kippenhan, Omicron '40, has been appointed chairman of the Department of Mechanical Engineering at the University of Washington, Seattle, effective January 1964. He has been head of the Department of Mechanical Engineering at Washington University in St. Louis.

Brother Kippenhan received his education at the State University of Iowa, receiving his B.S. in 1940, his M.S. in 1946, and the Ph.D. in 1948. He is recognized as an authority in the field of thermodynamics and heat transfer. He has been an engineering consultant for various aircraft, manufacturing, and power companies.

During the 1960-61 academic year, Brother Kippenhan was at the Technische Hochschule in Munich, Germany, under a National Science Foundation Teacher's Fellowship. In the summer of 1959 he was selected to participate in the Atomic Energy Commission's Summer Institute on Nuclear Energy at Cornell University and Brookhaven National Laboratory.

Brother Kippenhan is a member of Pi Tau Sigma, Tau Beta Pi, Sigma Xi, ASME, ASEE, IAS, the Air Pollution Control Association, and the Engineers Club of St. Louis. He is a registered professional engineer in Iowa and Missouri.

Honorary Degrees Go to Price and Polkinghorne

Michigan College of Mining and Technology awarded honorary doctor of engineering degrees to Brigadier General Oran O. Price, Beta '35, and Prof. Wilfrid C. Polkinghorne, Beta Hon. '14, at the June Commencement.

Brother Price, who gave the Commencement address, was then serving as deputy chief of staff, Civil Engineering, at Headquarters, U. S. Air Force in Europe, Wiesbaden, Germany. He became a general in 1961. (See the Fall 1961 *Gear*.)

Brother Polkinghorne is professor of civil engineering emeritus. He received his B.S. and E.M. degrees from Michigan Tech and

an M.S. in civil engineering from Yale. He joined the faculty of Michigan Tech in 1921 and in 1945 became head of the Department of Civil Engineering. He retired in 1961.

He is an honorary member and former chairman of the Michigan State Board of Registration for Architects, Professional Engineers, and Land Surveyors, and has done consulting work. Brother Polkinghorne is also an emeritus member of the Michigan Society of Registered Land Surveyors, an honorary member of the Michigan Engineering Society, and a member of the ASCE.

Moxley Retires; Daniel Moves Up

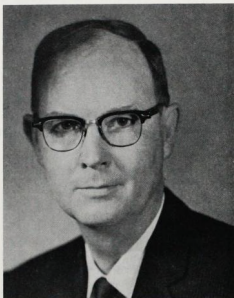
In June Stephen D. Moxley, Mu '22, retired as president of American Cast Iron Pipe Company of Birmingham, Alabama. He was succeeded as president by Kenneth R. Daniel, Mu '36.

Brother Moxley joined the company as a draftsman in 1923, shortly after his graduation from the University of Alabama, where he was a charter member of Mu Chapter. He held posts as chief engineer, assistant to the vice president in charge of engineering, vice president in charge of engineering and purchases, and executive vice president. He became president of the company in 1955.

Brother Moxley has been very active in civic, educational, and charitable organiza-



Stephen D. Moxley



Kenneth R. Daniel

tions, and in 1961 he was proclaimed "Man of the Year" for 1960 in Birmingham. (See the Fall 1961 *Gear*.)

Brother Daniel was previously executive vice president of American Cast Iron Pipe. He has served 27 continuous years with the company, except when he served in the European Theatre in World War II. He was chief engineer and vice president in charge of engineering and purchases before he became executive vice president in 1961. Brother Daniel also has an outstanding record in professional and civic activities. (See the Spring 1962 *Gear*.)

Memorial Lounge Named for James D. Bump

A lounge in the new Student Center on the South Dakota School of Mines campus will be named in honor of James D. Bump, Omega '29. Brother Bump, who died November 22, 1959, was the first chairman of the committee which promoted the Student

Center. A plaque honoring Brother Bump will be placed in the lounge.

Chairman of the Student Center committee is Prof. William Coyle, Omega Hon. '44. One of the designers of the Center is Ed Mazourek, Omega '41.

Stolz Heads Department at Montana Mines

Gustav Stolz, Jr., Psi Hon. '50, has been named head of the Department of Petroleum Engineering at Montana School of Mines. He has also been promoted to the rank of associate professor.

Brother Stolz received his B.S. degree from Colorado School of Mines in 1950, and the M.S. degree from the University of Oklahoma in 1951. He was a research engineer with Pan American Petroleum Corporation in Tulsa, Oklahoma, for four years. In 1955 he went to Montana School of Mines as an assistant professor in the Department of Petroleum Engineering.

Brother Stolz served with the 20th Air Force in the Pacific in World War II. He is a registered professional engineer in Montana, and is president of the Butte Chapter of the Montana Society of Engineers. He is a member of the Society of Petroleum Engineers, the NSPE, the ASEE, and the Faculty Council of the University of Montana. Brother Stolz is a consulting engineer, and has made reservoir studies and evaluations in several Western states and Canada.

His family of five children includes a set of twins and a set of triplets.

In Memoriam

JOHN B. AKIN, *Beta* '23, died February 12, 1963 in Glendora, California. Brother Akin was a mechanical engineering consultant and was at one time partner and general superintendent of the Heyden Kinetic Products Company. Toward the end of his career he was project manager for the Corps of Engineers, U. S. Army. Brother Akin made his home in Duarte, California. He is survived by four sons and a daughter. (MCMT Alumni Office)

HENRY C. BECKMAN, *Iota Honorary* '12, died December 15, 1962. He received his degree in civil engineering from Iowa State College in 1912, and worked for 18 months in railroad engineering. In 1913 he began his career with the U. S. Geological Survey in Madison, Wisconsin. Brother Beckman became district engineer for the Water Resources Division in 1923 in Rolla, Missouri. In 1946 he was made regional engineer for the Mississippi River Basin. In July 1957 he became hydrologist for the Water Resources Division, USGS, in the Mid-Continent area, which included 14 states. Brother Beckman retired in 1958 after 40 years of service. After retirement he served as special assistant and in an advisory capacity. He received the Distinguished Service Medal from the Department of the Interior.

MILES WENDELL BROWN, *Rho* '29, was killed in an accident on January 29, 1963. He was an insurance inspector for Factory Mutual Fire Insurance Company of Charlotte, North Carolina, and was making a regular check of the fire protection tank located in the top story of a mill in Statesville, North Carolina. He fell and was killed instantly. (*State College News*)

CHARLES E. CHAFFIN, *Beta* '13, died October 16, 1962 at his home in Salt Lake City, Utah. His career in metallurgy and mining took him to many parts of the world. He first worked for Mineral Separation, Ltd.; in 1923 he became associated with the General Engineering Company. In the mid-thirties he went to the Philippines to build a cyanide mill for the new mines there. In 1937 he returned to Nevada, and during World War II he did various mill designing jobs. In 1951 Brother Chaffin became associated with the Calisher Company of Salt Lake City. Later jobs took him to Morocco, New Mexico, Mexico, and Canada. Brother Chaffin married his wife, Jo, in 1948. He continued to work at his home in Salt Lake City until the day of his death. (MCMT Alumni Office)

FRANK B. CHAMPION, *Epsilon* '21, died on June 3, 1960 in Houston, Texas as the result of an accident. He was president of the Champion Oil & Gas Company. After graduating from the University of California, Brother Champion founded Champion & Barber, Inc. in California in 1928. Four years later he moved to Houston as vice president and general manager of the Oil Tool Division of the Byron Jackson Company. He returned to California briefly at the start of World War II, but returned to Houston in 1943, where he served as vice president and manager of the Glenn McCarthy Interest. Brother Champion founded the Champion Oil & Gas Company in 1948. His favorite pastimes were hunting, yachting, fishing, and football. He was a member of the American Petroleum Institute, the Independent Petroleum Association of America, Masonic Lodge, York Rite Bodies, Arabia Temple Shrine, the Episcopal Church, and many civic organizations. He was a

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past president of the National Oil Equipment Manufacturers and Delegates Society. Brother Champion is survived by his wife, a daughter, and four sons.

EVERETT E. COOKSON, *Beta '22*, died June 5, 1963 in Manistique, Michigan.

JOSEPH T. DEANE, *Epsilon '20*, died November 3, 1962 in Oakland, California. Brother Deane served in the Navy in World War I and graduated from the University of California in 1920. He was employed for 38 years by Standard Oil Company of California. Brother Deane was manager of the first American oil refinery in the Middle East and builder of the first oil refinery in Saudi Arabia. He was an honorary colonel in the Middle East in World War II. In 1960 Brother Deane retired, his last position being vice president of Oronite Chemical Company, a Standard subsidiary. He was a past president of the San Francisco Tuberculosis Association and a member of the San Francisco Engineers' Club, Commonwealth Club, and Alpha Tau Omega. Brother Deane is survived by his wife, a son, a daughter, and seven grandchildren.

E. RALPH EDGERTON, *Alpha '07*, the first initiate of Theta Tau, died May 6, 1963 in Spokane, Washington. His roll number was Alpha #5, since he was the first man initiated by the four Founders of Theta Tau. Brother Edgerton was born in Brooklyn, New York, but moved with his family to Montana as an infant. He attended the University of Minnesota and married his wife, Letta P., in St. Paul in 1907. In 1915 Brother Edgerton moved to Spokane where he was employed as a representative for Prudential Life Insurance Company. In 1917 he joined the editorial staff of *The Spokesman-Review*, where he carried out a variety of assignments. He returned to the insurance field in 1924. He became Spokane district manager of Sunset Insurance Companies of Olympia in 1941 and held that position until he joined Great West Life Assurance Company of Canada in 1945. Brother Edgerton was chairman of the Timber Products Bureau of the Spokane Chamber of Commerce, and his work in promoting forest conservation resulted in a citation from the U. S. Forest Service. He was a past president of the Spokane Chapter of Sons of the American Revolution and a member of St. John's Episcopal Church. He maintained his interest in Theta Tau over the years, and had attended meetings of the Pacific Northwest Alumni Club since it was organized. Brother Edgerton is survived by his wife, a son, Superior Court Judge Ralph P. Edgerton, and two grandchildren. Isaac B. Hanks, Founder #4, represented the Founders and the Executive Council of Theta Tau at the funeral on May 9, 1963. He has paid tribute to his long-time friend and brother by saying, "In 60 years of close association, I never heard Ralph Edgerton speak an unkind word of anyone. And by the same token, I have never heard one unkind thought directed to him."



E. Ralph Edgerton

ANDREW J. GROFT, *Zeta '16*, died April 5, 1963 in Vacaville, California. He won three letters on the football team while at the University of Kansas. During World War I he became a casualty of poison gas, and thereafter was never able to use his engineering education. He went to California, where he operated a poultry ranch for many years. Brother Groft is survived by his wife, a daughter, two sisters, and a brother. A son preceded him in death. (*K. U. Alumni Magazine*)

HUGO F. GUSTAFSON, *Alpha '28*, died May 31, 1963 in Duluth, Minnesota. He was president of Gustafson Bakeries in Duluth. After his graduation from the University of Minnesota, Brother Gustafson was an engineer for Goodrich Rubber Company in Akron, Ohio. He founded the bakery firm with his brothers in 1933. He was active in civic affairs, the Presbyterian Church, and Glen Avon Masonic Lodge, Scottish Rite Bodies, and Aad Temple of the Shrine. He was a past president of the Minnesota Restaurant Association. Surviving Brother Gustafson are his wife, two daughters, a son, his mother, three brothers, two sisters, and two granddaughters.

JOHN V. HARVEY, *Gamma '11*, died March 29, 1963 in Sioux City, Iowa. His mining career took him to Mexico, Cuba, Virginia, and Brazil. Brother Harvey was widely known in the abstracting business in Sioux City, being associated with the Talley Harvey & Company abstracting firm until his retirement in 1961. He was a past president of the

Iowa Land Title Association, and a member of the Sioux City Real Estate Board, the Woodbury County Tax Research Conference, and the Business Leaders Club. He also was active in Masonic organizations, Rotary Club, and the Chamber of Commerce. Brother Harvey was also a member of Sigma Alpha Epsilon. During World War II he was chief rent examiner for the Office of Price Administration in Sioux City, and he served on the Sioux City Civil Service Commission. Brother Harvey is survived by his wife, a son, and three grandchildren. (*Mines Magazine*)

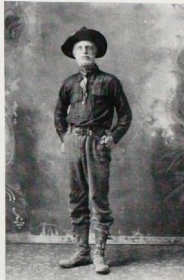
FRED E. JOHNSTON, *Zeta '12*, died March 10, 1963 in Sallisaw, Oklahoma. He was a charter member of Zeta Chapter. After graduation from the University of Kansas, Brother Johnston served overseas in World War I with the rank of captain. In 1919 he moved with his wife to Sallisaw, and began his 34-year career as city manager there. When he retired in 1953, no other city manager in the nation had served continuously for so many years. Brother Johnston was a life member of the International City Managers Association, and he was cited by the Association for long and faithful service on his 25th anniversary as the community's city manager. His survivors include his wife, a daughter, two sisters, a brother, and a granddaughter.

WATKIN W. JONES, *Alpha '11*, died March 5, 1963 in Portland, Oregon. After graduating from the University of Minnesota, he was an electrical engineer in several coal mines in Utah. He lived in the Milwaukee area from 1931 to 1937; during part of this time he was city engineer for Milwaukee. Brother Jones moved to Seal Rock, Oregon 25 years ago. He was with the U. S. Maritime Commission in Portland during World War II. Later he was named manager of the Central Lincoln County P.U.D., and in recent years he was city engineer for Waldport. Surviving Brother Jones are his wife, two sons, a sister, and five grandchildren.

CHARLES A. KUMKE, *Beta '07*, a charter member and first Regent of his Chapter, died March 31, 1963. He was Grand Marshal of the Fraternity in 1911-13. Following his graduation from Michigan Tech, Brother Kumke worked with Homestake Mining Company, surveyed the Bad Lands of South Dakota, and spent two years in Old Mexico reopening silver mines in the State of Zacatecas. Most of his career was spent in Arizona; for many years he was associated with the U. S. Bureau of Mines. Following his retirement he made his home in Tucson. He is survived by a daughter and three grandchildren. (MCMT Alumni Office)

THOMAS J. LAVAN, *Delta '14*, died April 6, 1963 in Novelty, Ohio. He retired in 1938 as vice president and general manager of the International Steel Tie Company.

JOSEPH C. MAJOR, *Nu '24*, died February 25, 1963 in Oakland, California. He had been a safety engineer for the Air Force for 25 years, and was a Shriner for 25 years. Brother Major is survived by his widow.



Charley Kumke after 4½ months surveying in the Badlands of South Dakota in 1904.

EDWARD V. MASON, *Pi '39*, died May 5, 1963. He had been head of the building and grounds planning department at the University of Virginia and lecturer in electrical engineering.

CLARENCE L. MOODY, *Epsilon '16*, died recently.

PAUL A. SANDERS, *Alpha '29*, died May 9, 1963 in Denver, Colorado, where he was on a business trip. He was an executive in the tire division of Montgomery Ward, which he joined in 1942. His home was in Mount Prospect, Illinois. After graduating from the University of Minnesota, Brother Sanders was an engineer with the Goodrich Rubber Company for many years before joining Montgomery Ward. He was a member of the Society of Automotive Engineers. Brother Sanders was active in Theta Tau alumni affairs in Chicago, and was alternate delegate to the Twentieth Biennial Convention in Minneapolis. He is survived by his wife, two sons, and a daughter.

OTHO R. SELF, *Iota '43*, died suddenly July 23, 1963 at his home in Chester, Pennsylvania. At the time of his death he was a consulting engineer for Westinghouse Electric Company in South Philadelphia. Brother Self is survived by his wife and four children.

VIVIAN O. SMELTZER, *Zeta '28*, died November 1, 1962 in Chicago Heights, Illinois. At one time he was employed by the Santa Fe in Topeka, Kansas. Brother Smeltzer is survived by his wife.

JOHN BARTLETT STEVENS, *Epsilon '17*, died April 11, 1963, in Los Angeles, California. He is survived by his wife.

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WILLIAM E. SWAIN, *Rho* '28, died March 17, 1963 in Arlington, Virginia. He was also a member of Sigma Pi.

KENNETH O'NEILL, SWEENEY, *Psi* '32, died May 13, 1963 in Miami, Arizona. He was a superintendent for Inspiration Consolidated Copper Company. After graduating from Montana School of Mines where he was a charter member of Psi Chapter, Brother Sweeney served in several mining company positions in the Western states. He was a re-

search engineer for Anaconda Iron Ore, Ltd. in Port Arthur, Ontario, and superintendent of zinc operations in Anaconda, Montana. He went to Arizona in 1961 after 16 years with the Anaconda Copper Company. He was superintendent of concentrator operations for Inspiration. Brother Sweeney was a member of AIME. He is survived by his wife and two daughters.

FRED S. WRIGHT, *Theta* '15, died in December, 1961. He was also a member of Tau Beta Pi and Sigma Xi. Mrs. Wright survives.

Alumni Notes

ALPHA CHAPTER

BERNARD J. LARPENTEUR, '25, is now superintendent of Bethlehem Steel Company's Raw Materials Laboratory at Lebanon, Pennsylvania.

MICHAEL D. MARTIN, '65, has accepted an appointment to the United States Naval Academy. He reported in June, 1963.

BETA CHAPTER

HOWARD H. FIELDS, '13, is a consulting engineer in Nogales, Arizona. His career has taken him to Peru, Alaska, Mexico, and the Western states.

WILLIAM J. HARRIS, '13, retired in 1957 after 43 years' employment with Studebaker Corporation. He was chief metallurgist and finally manager of manufacturing research. He lives in South Bend, Indiana.

FENN B. NEWELL, '13, was associated with the American News Company, Inc. in New York for 31 years. After retirement he moved to Westmoreland, New Hampshire, where he is town clerk and tax collector.

LAWRENCE C. SCHLOTTER, '13, is now retired and lives in Carpinteria, California. He was formerly with B. F. Goodrich Company.

RUSSELL B. WORTLEY, '13, was associated with the M. A. Hanna Company operations on the Gogebic Iron Range until 1951, when he retired. He was superintendent of the Wakefield and Hiawatha Mines, and was active in civic affairs.

LYLE P. TONNE, SR., '28, is doing design work at Tonne Engineering Company of Hancock, Michigan. He is owner of the Blue Ox Inn at Eagle River, Wisconsin, president of the Paul Bunyan Restaurant at Wisconsin Dells, and secretary of the Paul Bunyan at Minoqua, Wisconsin.

HANS H. SCHOU, '34, is now employed as general superintendent of Minera Frisco, S.A., San Francisco Del Oro, Chihuahua, Mexico.

GEORGE F. MCKERECHAN, '47, is in Ahmeek, Michigan, after being in Liberia since late 1960.

WRIGHT C. SHELDON, '52, has been transferred to Hiawatha, Utah, where he is assistant to the general superintendent of U. S. Fuel Company. His family includes two daughters—Ann, six years, and Lynne, two years.

LYLE P. TONNE, JR., '56, is a civil engineer with the Washington State Highway Department at Seattle.

GAMMA CHAPTER

WILLIAM M. GEBB, '23, chief engineer for Ingersoll-Rand Company's Tulsa District, has been elected president of the Natural Gas Processors Suppliers Association.

VERNON L. MATTSON, '26, has been named vice president for research and development of Kerr-McGee Oil Industries, Oklahoma City, Oklahoma.

SCHUYLER A. HERRES, '39, has been named vice president of technical operations of Titanium Metals Corporation of America, New York City. He was previously at the Battelle Memorial Institute and Allegheny Ludlum Steel Corporation. His father is OTTO HERRES, Gamma '11.

F. CLINTON EDWARDS, '41, has joined the South Penn Oil Company as assistant to the manager of production for the company's Southern Exploration and Production Division in Parkersburg, West Virginia. Previously he was president of Professional Petroleum Service, Inc. in Midland, and until 1961 he was with Honolulu Oil Corporation.

RALPH L. HENNEBACH, '41, has been elected vice president in charge of smelting and refining, American Smelting & Refining Company. He has been with the company since 1941, except for military service and a year at Massachusetts Institute of Technology.

GARY W. HUDBURN, '41, has announced the opening of offices for the general practice of law in Denver, Colorado. He has resigned as an officer of Frontier Refining Company, but will continue to represent the company on a retainer basis.

GEORGE A. KIERSCH, '42, professor of structural and engineering geology at Cornell University, has been awarded a leave of absence to accept a Senior Post-doctoral Fellowship from the National Science Foundation for studies in geomechanics. He will be at the Technical University, Vienna, Austria for 14 months.

THOMAS C. HEDLUND, '44, has accepted a job as general superintendent for Iddarado Mining Company, Telluride, Colorado. He was formerly a mine superintendent for Kermac Nuclear Fuels Corporation at Grants, New Mexico.

FALL 1963

JAMES H. PITTINGER, '49, is among 17 executives who received Brookings Institute Public Affairs Fellowships for 1963. The purpose of the program is to provide an opportunity for executives in private life to gain first-hand knowledge of the Federal government. Brother Pittinger has been assigned to the Department of the Interior.

JOHN T. REAGAN, '53, has joined the staff of the Denver-United States National Bank as a member of the Oil and Natural Resources Group in the bank's Commercial Banking Division. He had been district petroleum engineer with the Hydrocarbons Division of Monsanto Chemical Company.

ANDREW LAMBERSON, '58, has been appointed railroad sales engineer for the Colorado Fuel and Iron Corporation. He was previously a product supervisor in the Quality Control Department of the company's Pueblo Plant.

LT. ARTHUR J. PANSZE, JR., '63, has completed a nine-week officer orientation course at the Engineer Center, Fort Belvoir, Virginia.

DELTA CHAPTER

FRANK ROODMAN, '31, has been elected a vice president of the Austin Company, an international engineering and construction firm. He will continue as western district manager of the company with headquarters in Los Angeles. He is a member of ASCE and the American Rocket Society.

STANLEY A. MORASH, '46, has been elected president of the Leonard H. Krill Company, a Cleveland general contracting firm. He succeeds JAMES W. CHALL, '34. The firm was founded by LEONARD H. KRILL, '20, who retired in 1961.

HOWARD J. HORTON, '60, is a product engineer in the Engineering Department of the Solvay Division Allied Chemical Company at Solvay, New York. Previously he was employed in the Process Division of Standard Oil Company of California, Richmond Refinery. His family includes his wife and a son, Todd William.

EPSILON CHAPTER

V. J. COLLINS, M.D., '26, writes that he enjoys *The Gear*, although he has been practicing medicine for the past 25 years. He lives in Redding, California.

JOHN H. DOUMA, '38, has been named vice president for production of Sunray DX Oil Company. He has moved to Tulsa, Oklahoma from Denver, Colorado, where he was vice president of the Western Division.

ZETA CHAPTER

RALPH HOFFMAN, '13, is retired after a long career in copper mining in Chile for Anaconda and in Morenci, Arizona for Phelps Dodge Copper Company. He is living in Los Altos, California with Mrs. Hoffman.

HOBART HOLT, '18, settled in Marshall, Texas after retiring as assistant controller with the St. Louis-San Francisco Railway Company. He is listed in *Who's Who in Engineering*.

JOHN BUNN, '21, retired at the end of the school year as head basketball coach at Colorado State College, Greeley, Colorado. He and Mrs. Bunn plan to build a home deeper in the Rockies.

ELVIN LUFF, '23, is vice president and general manager of the Independence (Missouri) Stove and Manufacturing Company. His family includes two children and three grandchildren.

J. LLOYD BARRON, '23, retired director of sanitation for the National Biscuit Company, New York, will be a lecturer at Harvard School of Public Health in 1963.

STANLEY LEARNED, '24, appeared on the national ABC television show "Alumni Fun" in February. He was a member of a team of alumni representing the University of Kansas in competition against the University of Texas and the University of North Carolina.

RAY LAWRENCE, '25, is a consulting engineer for Black and Veatch, Kansas City, Missouri.

ED BRUZELIUS, '34, is coordinator of trade relations for the American Oil Company and Standard Oil Company (Indiana). He lives in Olympia Fields, Illinois.

HEIDMAN A. JANZEN, '39, has left the Kansas City, Kansas-Wyandotte County Health Department to join the Johnson County Health Department.

WILLIAM C. DOUCE, '41, has been made vice chairman of the operating committee of Phillips Petroleum Company in Bartlesville, Oklahoma. He is active in civic affairs and has served on the Bartlesville City Commission.

T. F. McMAHON, Hon. '46, has left the University of Kansas to join the Office of Research and Development of the Bureau of Public Records in Washington, D. C. He is living in Alexandria, Virginia.

CHARLES W. ROHLER, '49, is manager of the Cities Service Oil Company refinery in Ponca City, Oklahoma. He presided at one of the technical sessions of the National Petroleum Refiners Association's meetings this summer in Wichita, Kansas.

CHARLES H. WALKER, '50, is a senior design engineer attached to the Advanced Programs Department of General Dynamics, Fort Worth, Texas.

CAPT. JOE ENGLE, '55, flew the X-15 rocket plane for the first time in October. He returned to K. U. in April to speak at the Engineers' Day banquet.

PAUL PANKRATZ, '55, is the father of a third son, Thomas Edward, in Midland, Michigan.

LEROY FELZIEN, '56, has been transferred by Southwestern Bell from Wellington, Kansas to the company's Florissant, Missouri plant as a facilities engineer.

DOUGLAS WALLACE, '57, is assistant superintendent at Kansas Power and Light's Tecumseh, Kansas power plant.

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LT. ROBERT H. McCAMISH, '58, finished work for his M.S. in February at K. U. He will go to Yokota AFB, Japan for three years next March.

WILLIAM FRESHLEY, JR., '61, was married to Miss Mary Johnson on May 18. This fall he planned to go to Italy for G. E. to install a steel mill at Taranto.

RONALD KOMATZ, '61, is the father of a daughter, Karen Louise, born January 20 in Coronado, California.

JOHN A. TROTTER, JR., '62, is working for North American Aviation on the Apollo project in Downey, California. He plans to continue graduate work on a night school schedule.

THETA CHAPTER

ROBERT B. DICKSON, '30, has been with the Dickson Weatherproof Nail Company at Evanston, Illinois since 1939. He has been president since 1945 and co-owner with his brother since 1956. The company employs 150 and operates nail mills at Evanston, Birmingham, Alabama, and Houston and Galveston, Texas.

HENRY J. PETRIE, '43, has been district sales manager for Traylor Engineering & Manufacturing Division of Fuller Company since 1960. The company manufactures heavy mining equipment. He is a licensed professional engineer in New York.

D. H. ROBBINS, '43, is chief engineer for Photostat Company, Rochester, New York.

JOSEPH L. DE CILLIS, '48, is director of operations for Knickerbocker Biologicals, a division of Pfizer Company. He returned to the States this year after a 4½-year stay in Argentina, where he was general production manager and general sales manager for Pfizer Argentina. Brother de Cillis and his family are living in Old Greenwich, Connecticut, and he is looking forward to seeing some of the Theta Tau brothers.

JACK B. FREEMAN, '55, has formed the International Scientific Sales Company. The organization will provide a one-stop service to scientists and engineers engaged in vacuum research, X-ray analyses, crystal studies, and investigations requiring special heating instruments.

IOTA CHAPTER

LOUIS A. TURNBULL, '22, retired from the U. S. Bureau of Mines at the end of February 1963. He joined the Bureau in 1941, and conducted many studies on coal reserves and coal mining methods and practices. In 1955 he was appointed assistant chief of the Division of Foreign Activities to direct the Bureau's world-wide technical assistance projects under the government's foreign program. Brother Turnbull will continue on special assignment with the Bureau for a limited period and plans to remain permanently in Washington, D.C.

GEORGE O. NATIONS, '36, who is with Koppers Company, is just completing the second year of a six-year assignment for a management-consulting

contract in the organization of an integrated steel mill in Venezuela. He lives in Caracas.

S. E. DUERR, JR., '50, has opened offices as a petroleum consultant in Corpus Christi, Texas. He worked for eight years with Stanolind Oil and Gas Corporation, and has spent the last five years as superintendent for Coloma Oil and Gas Corporation. He is a registered professional engineer in Texas, and a member of AIME, the Geological Society, and the Texas SPE.

DR. DAVID S. GOULD, '51, is one of 45 persons named to receive Alfred P. Sloan Fellowships at Massachusetts Institute of Technology for 1963-64. He is manager of materials and manufacturing development in the Peoria Plant Quality Control, Caterpillar Tractor Company. He joined Caterpillar in 1957.

DR. JOHN B. MILES, '55, completed the requirements for his Ph.D. in mechanical engineering at the University of Illinois recently. He has accepted an associate professorship in the Mechanical Engineering Department at the University of Missouri. Brother Miles previously taught at the School of Technology, Southern Illinois University at Carbondale.

TOM GRESHAM, '62, is with Schlumberger Overseas S. A., and spends most of his time in the desert of Libya.

WILLIAM L. HALLERBERG, '62, has accepted a position with Union Carbide at Kokomo, Indiana. He received his master's degree in metallurgical engineering this year. Brother Hallerberg has been chosen national Man-of-the-Year by Pi Kappa Alpha Fraternity.

LT. WADE A. MARTIN, '63, has completed the 11-week officer orientation course at the Engineer School, Fort Belvoir, Virginia.

LAMBDA CHAPTER

DR. SIMON RAMO, '33, vice chairman of the board of Thompson Ramo Wooldridge Corporation, received an honorary doctor of science degree from Union College, Schenectady, New York in June. Brother Ramo was the 1959 Steinmetz Memorial Lecturer and a member of the Union College faculty from 1940-1946.

ROSCOE E. VAN LIEW, '33, has been released from active duty with the Navy's Civil Engineer Corps, and is now a senior engineer with the Pacific Telephone Company in its San Diego office.

MU CHAPTER

PROF. WILLARD F. GRAY, HON., head of the Electrical Engineering Department at the University of Alabama, is the new vice president of the Electrical Engineering Division of the American Society for Engineering Education. He was elected at the society's annual meeting in Philadelphia. The division has more than 10,000 members.

RICHARD C. ASKER, '52, is a failure analysis engineer for General Dynamics/Astronautics in San Diego, California.

PHILLIP J. PINCHA, '56, and his wife, Betty, have the distinction of being the first husband and wife team to each be registered as professional engineers in the State of Alabama. They live in Huntsville.

DR. KENNETH E. HARWELL, '59, received his Ph.D. in aeronautics in June from Cal Tech. He was awarded second place in the Graduate Division, Western Region, of the student paper competition of the American Institute of Aeronautics and Astronautics for 1963. Brother Harwell has accepted a position as associate professor in aerospace engineering at Auburn University in Alabama. He and his wife, Betty, took an extended vacation in the Northwest and on the West Coast this summer.

NU CHAPTER

PROF. RAYMOND F. MIKESSELL, '36, is W. E. Miner Professor of Economics at the University of Oregon in Eugene, Oregon.

OMICRON CHAPTER

DON METZLER, HON. '39, associate dean of the University of Kansas Engineering School, has been appointed a member of the Lawrence, Kansas Planning Commission.

HAROLD R. HATCHER, '48, is employed as a civil engineer by the Installations and Services Agency of the Army Material Command at Rock Island, Illinois.

WILLIAM H. OLSON, '51, has been transferred to Rome, Italy by the Caterpillar Tractor Company. He is special representative for Italy and Yugoslavia. His family includes four children with a fifth expected shortly.

PI CHAPTER

W. P. COWGILL, '42, is in the Economic Research Department for Shell Chemical Company, New York City. He lives in Metuchen, New Jersey.

CHARLES L. BROWN, '43, has been elected a vice president of the Illinois Bell Telephone Company in Chicago. He was also named general manager of Illinois Bell's Chicago Area.

JOHN R. GRIMES, '47, has been with Sperry Piedmont Company, a division of Sperry Rand, for the past seven years in Charlottesville, Virginia.

V. A. SHRINER, JR., '48, has been transferred to Richmond, Virginia as planning engineer for the Richmond District of VEPco. He was formerly district engineer at Clifton Forge, Virginia.

DAVID R. BROWN, JR., '50, head of the Geoballistics Division, Naval Weapons Laboratory, was awarded the Navy Superior Civilian Service Award on May 29 for his contribution to the Fleet Ballistic Missile Program and the key role he played in the research, development, and generation of accurate and flexible guidance data for the POLARIS missiles.

WILLIAM H. MORGAN, '51, graduated with the M.B.A. degree from the University of Houston in May 1963. He has been moved from Houston to Baton Rouge by the Ethyl Corporation. He is working as commercial development representative in product development, market research, and market development fields. Brother Morgan's family includes two little girls, ages three and five.

RHO CHAPTER

DR. J. HAROLD LAMPE, HON. '18, retired dean of engineering at North Carolina State College, has been named dean of engineering at Old Dominion College in Norfolk, Virginia.

C. N. MOORE, '39, has been appointed assistant manager with the Linde Company, Kenmore, New York. He joined the field engineering organization of National Carbon Company in 1940. He was previously research supervisor.

COL. JOHN R. HOOD, JR., '41, has been named acting deputy commander, Research and Engineering Group, Aeronautical System Division, at Wright-Patterson Air Force Base, Ohio. He will be directly responsible for coordinating all of ASD's applied research, advanced technology, systems engineering, and advanced system studies and analysis.

RICHARD L. TATUM, '41, retired from the Air Force with the rank of Lieutenant Colonel last February, and is now enjoying a life of leisure in Hickory, North Carolina.

LT. JAMES A. HACKNEY III, '61, has completed a nine-week officer orientation course at the Ordnance Center, Aberdeen Proving Ground, Maryland. He was associated with J. A. Hackney & Sons, Inc. before entering the Army.

ROBERT A. ROBERTSON, '61, has been transferred from Winston-Salem, North Carolina to Baltimore, Maryland. He was a project engineer for Nike Hercules Gyroscopes, and now is a development engineer in cable manufacture for Western Electric Company. His family is enjoying the "big city."

SIGMA CHAPTER

LT. COL. GEORGE W. MOYER, '32, retired from the USAF in June 1963, after 26 years of military service. His son, Ronald, graduated from OSU in 1960; he resides in Ashland, New Jersey and has two sons.

DONALD F. JONES, '50, has been appointed district plant superintendent for the Southwestern Ohio Area by Ohio Bell Telephone Company. His headquarters are in Zanesville. Brother Jones' family includes his wife and three sons.

EUGENE A. MOORE, '55, has been transferred to Elyria, Ohio. He is a pump design engineer for Industrial Operation, Power Equipment Division, Lear Siegler, Inc. His second daughter, Deborah, was born May 15, 1963.

THE GEAR OF THETA TAU

ROBERT G. MAYERS, '56, is a staff engineer at the Intelligence Systems Center of IBM's Federal Systems Division in Washington, D.C. His second child, Eric, was born December 4, 1962. The family lives in Springfield, Virginia.

RALPH P. REINMANN, '58, has been promoted to general foreman of motor assembly at the Hoover Company of North Canton, Ohio. His family includes a daughter and two sons.

WILLIAM E. WOLF, '61, has begun a new job at E. I. duPont de Nemours and Company in Parkersburg, West Virginia. He is working in the "Teflon" Division at Washington Work. Brother Wolf was formerly at the Applied Physics Laboratory. He and his wife are living in Parkersburg.

TAU CHAPTER

BURTON C. FOWLER, '32, has been in England since July 1962 as marketing manager of Mobil North and Southeast Europe, Inc., with headquarters in London. He is responsible for marketing of products in Cyprus, Denmark, Finland, Greece, Norway, Sweden, Turkey, and the United Kingdom.

ALBERT J. GNESIN, '49, has joined Mobil Chemical Company as manager of marketing planning in the Petrochemicals Department. He previously was sales manager for the Chemical Division of Delhi-Taylor Oil Corporation. Brother Gnesin lives in Wyckoff, New Jersey with his wife and three children.

DR. B. B. MUVDI, '52, spent the summer at the Argonne National Laboratory, serving as a resident research associate in the Reactor Engineering Division. He recently had a technical paper published in a book, *Development in Theoretical Applied Mechanics*, released this year by Plenum Press.

DONALD G. SQUIRES, '52, has been a design engineer with Fairchild Camera and Instrument Corporation for 11 years. He is married and has one daughter. Brother Squires lives in Glen Cove, New York.

UPSILON CHAPTER

BRIG. GEN. B. J. LEON HIRSHORN, '33, has been at Fort DeRussy in Hawaii for the past year. He previously was at Redstone Arsenal, Alabama.

DELBERT A. SCHEMAND, '37, has been named assistant chief of the new Engineering Division of the Little Rock District of the Army Engineers. He was formerly chief of the Reports and Economics Section. Brother Schmand has been with the Army Engineers since graduation.

HENRY L. BAUNI, JR., '56, was in Morristown, New Jersey last winter on special assignment at Esso Research and Engineering Company. He is now back in Baytown, Texas. Brother Bauni's family includes his wife and daughter.

PALMER TERRELL, '57, is with General Electric in Schenectady, New York.

LT. CHARLES C. BRAZIL, '63, has completed a nine-week ordnance officer basic course at the U.S. Army Ordnance Center and School, Aberdeen Proving Ground, Maryland. He entered the Army in July.

LT. LARRY G. BROWN, '63, and LT. WILLIAM R. SPENCER, '63, have been assigned together to the Warner Robins Air Materiel Area's directorate of maintenance at Robins AFB, Georgia. Both became members of Sigma Chi as well as Theta Tau at the University of Arkansas. Brother Brown entered the Air Force 22 days earlier than Brother Spencer this summer.

PHI CHAPTER

CAPT. PAUL E. RENTNER, '56, has been assigned to the 48th Air Transport Squadron at Hickman AFB, Hawaii. He previously was assigned to McGuire AFB, New Jersey. Brother Rentner is a C-118 pilot.

LT. ALAN J. DRISCOLL, '58, graduated from the Air Force's Squadron Officer School at the Air University, Maxwell AFB, Alabama. He is being reassigned to Whiteman AFB, Missouri.

LOUIS A. DIVAN, '61, is a laboratory technician at Scott Paper Company. He is attending Drexel evening school. Brother Divan lives with his family, which includes two daughters, in Chester, Pennsylvania.

CHI CHAPTER

R. G. MORRISON, JR., '37, has been appointed to the Board of Directors of the Shamrock Oil and Gas Corporation, El Dorado, Kansas. He is also an operating partner of Morrison Producing Company of El Dorado, an oil production company. Brother Morrison's family includes his wife, two daughters, a son, and a granddaughter.

JAMES N. WARKOMSKI, '55, is now employed by General Dynamics/Astronautics on the Centaur program. He lives in San Diego, California.

LEE C. BODENHAMER, '60, is working for IBM in San Jose, California as an engineer in the Product Test Department. He was married in November 1962 to Miss Karen Wuertley.

WILLIAM BODENHAMER, '60, is in San Diego, California working for General Dynamics, Astronautics Division. He was married in September 1962 to Miss Joyce Broyles.

ART HAMMOND, '60, is working for Philco Corporation of Palo Alto, California on communications satellites. His family includes his wife and daughter.

ROLF MURCHISON, '60, is working for Hewlett-Packard of Palo Alto, California. He has been married for three years.

PSI CHAPTER

GEORGE T. HANSON, '38, has been in Columbia Falls, Montana for the past nine years with the Anaconda Aluminum Company. He is now returning to Anaconda, Montana as manager of electrochemical operations for General Astrometals Corporation, an Anaconda subsidiary. He will operate a pilot plant for beryllium production.

FRANK BOWDISH, '39, announced the birth of Keith Franklin last January. The family lives in Reno, Nevada, and includes also two teen-age daughters and an eight-year-old son.



JOSEPH W. PICKARD, '39, has lived in the Philippines for 10 years. His work for Ingersoll-Rand Company also takes him to Taiwan and Hong Kong. His family includes two teen-age daughters.

THOR W. JOHNSON, '41, retired on August 1, 1962 as Commander, U. S. Navy, after 21 years of service as an engineering duty officer. He has accepted a position as staff metallurgist at Lukens Steel Company, Coatesville, Pennsylvania.

DAVID W. WHITCOMBE, '49, recently accepted a position as senior staff engineer with Hughes Aircraft Company, Culver City, California. He is in the Aeronautical System Division—New Products Area. He, his wife, and three children, are enjoying their home overlooking the Pacific. They previously lived in Creve Coeur, Missouri.

OMEGA CHAPTER

DONALD E. PROCKNOW, '43, has been elected Western Electric's engineer of manufacture by the company Board of Directors. He had been assistant engineer of manufacture previously.

DR. MAURICE C. FUERSTENAU, '55, has joined the faculty of Colorado School of Mines as an assistant professor of metallurgy. He received his M.S. and Ph.D. degrees from the Massachusetts Institute of Technology. He has been a research engineer for the Beryllium Corporation of Reading, Pennsylvania, and an assistant professor and research engineer at the New Mexico Institute of Mining and Technology. Brother Fuerstenau is a member of Sigma Xi, AAAS, and AIME. He is married and has two children.

WILLIAM TUCKER, '56, is an attorney with J. M. Huber Corporation in Denver, Colorado. He has been elected to the Board of Directors in the Young Republican League of Denver.

FRED W. EHRLMAN, '58, has been selected to take part in the two-year Lehigh Master's Program at the Engineering Research Center at Princeton, New Jersey.

REN R. WHITAKER, '59, entered medical school in 1962. He spent the summer at Berkeley, California with the State Public Health Department.

GAMMA BETA CHAPTER

DONALD A. MILLER, '63, is attending graduate school at Northwestern University, Evanston, Illinois.

DELTA BETA CHAPTER

CHARLES E. CLARK, '58, is an engineer for North American in Anaheim, California. He was married August 18, 1962 to Miss Patricia Duncan of Van Nuys, California. They have bought a home in Costa Mesa.

25 and 50 Years Ago in Theta Tau

25 YEARS AGO

Five chapters gathered at the University of Virginia for the Eastern Regional Conference.

Lambda Chapter hosted the Western Regional Conference in spite of a raging blizzard.

Zeta Chapter had just purchased new furniture for the living room.

Nu Chapter sponsored cultural talks and a booklist at Carnegie Tech.

Founders Erich Schrader and Isaac B. Hanks visited Psi Chapter.

(From the Fall 1938 Gear)

50 YEARS AGO

October 15 was established as Founders' Day at the Second Biennial Convention.

An advertiser offered readers a special half price offer on their first orders of piano rolls for player pianos.

Alpha Chapter held a Hoodoo Dance on Friday the 13th.

Theta Tau spanned the continent, from Eta in Boston to Epsilon in California.

Entertainment at the Convention included a tour of a copper mine near Hancock.

(From the 1913 Gear)



Chapter News

Editor's note: The chapters have been asked to write on chapter housing for this issue of The Gear. Although the emphasis for the chapter letters and the feature article is housing, the "chapter room" is an important factor, as many of the chapter letters indicate. It has long been a requirement that each chapter maintain a permanent headquarters for the exclusive use of that chapter. This can take the form of a room where the chapter has not yet established a chapter house. For these chapters, the chapter room assumes an importance far beyond what a casual examination might reveal.

The chapter room is symbolic of the group that it serves—it is a focal point for the all-important fraternal bond which is Theta Tau's objective. It can serve as a meeting room; as an initiation room in some cases; as a place where Theta Taus can gather informally to study, talk, and relax; as a place to come for the close associations of fraternal relations. Of course it is also valuable as a storage place for chapter property such as charter, initiation equipment, minutes, and other records.

Out of chapter rooms have come chapter houses, as the stories of Delta Beta and Epsilon Beta can so vividly testify. And who can place a value on the strengthened personal associations that have come as the result of the members' closer contact as the result of having a chapter room?

The chapter house is without question the best way to cultivate the fraternal bond. The chapter room is vitally important to those chapters where local conditions prevent living in a house at the present time. It is one crucial factor in the proper conduct and operation of a Theta Tau chapter.

ALPHA CHAPTER



Alpha Chapter is proud of its new, modern house. The house was designed and built by Alpha alumnus John Swenson. The Chapter pays a monthly rent to the Theta Tau Association of Minnesota, Inc., through which the house was financed. Over half the price of the house has been paid.

Until last year the house had a capacity of 24. During the summer we added two more double rooms, an officers' room, and a new room for the national Archives. We have a modern dining room, seating 48, and adjoining cooking area and the best cook on campus.

The University of Minnesota, within one-half mile of the Minneapolis loop, is predominantly a commuter campus, yet about 80 percent of Alpha's members live in the house. We are increasing our effort to compete with social fraternities for students interested in professional development and social activities, but not interested in living at the house.

FRED SEE
Corresponding Secretary

BETA CHAPTER



Beta Chapter purchased its house during the summer of 1962. The purchase was made through the House Corporation, as the old house had been. Each month the members pay their dues, and the House Corporation is paid a certain amount of this money.

The House Corporation is made up of Beta alumni who work actively to insure that Beta Chapter will always be properly housed.

Our house is a three-floor stucco house located on top of a hill overlooking Portage Lake. At the present time there are 30 men living in the house. Full capacity is 38. The first floor has a large dining room, a social room, and a huge living room which is also used as the chapter room. Other rooms of importance are the game room and exercise room. In the game room there are a pool table and a ping pong table, and the exercise room offers weights, apparatus for isometric exercise, and boxing equipment.

Although our house is big and is located on approximately 12 acres of ground, the maintenance is not too difficult. Every Saturday from 1:00 to 5:00 p.m., each man is given a work detail by the house steward. If something happens during the week that requires work, most of the men join in to see that the job is completed in as short a time as possible.

With an eye for the future, we are planning to finish the basement, build a chapter room, and finish off six rooms that are located above the five-car garage. There will always be improvement to our fire safety equipment to insure a long-lasting life for our fraternity house.

STEVEN WEISS
Corresponding Secretary

GAMMA CHAPTER

No Chapter Letter

DELTA CHAPTER

Delta Chapter does not own a house and the outlook for the future is quite discouraging. We have tried many times to obtain a room on campus for our exclusive use, but we have always been refused because no other organization on campus has a room exclusively its own. Thus the only real head-

quarters we have is our faculty adviser's office.

Case is situated in an unusual area. Future plans show that all land and building in the vicinity of Case and Western Reserve University will be owned by the University Circle Development Foundation. University Circle is buying all property as soon as it becomes available within the area. Another factor is that a part of University Circle which includes Case is subject to the right of eminent domain as part of Cleveland's Erieview Urban Renewal Project. Thus, we cannot consider renting space off campus.

As part of the future plans of Case, fraternity houses are being constructed for social fraternities. The social fraternities making the move must put up a down payment of \$60,000 and pay off the remainder of the \$325,000 cost of their house as dormitory rent to the school. Even then, the school will probably retain title to the house. Since Delta Chapter doesn't have the financial resources, we will not be a part of the on-campus housing program.

We would appreciate any suggestions that other chapters might have.

THOMAS J. SEEMAN
Regent

EPSILON CHAPTER

No Chapter Letter

ZETA CHAPTER

Zeta Chapter is happy to announce that some definite constructive steps have been taken to improve chapter housing.

The present house at 1602 Louisiana has served the Chapter well for many years. It is owned by a House Corporation. The present capacity of the house is about 30 men. Besides study and living quarters, we have a house-mother's room, large living room, a card and TV room, a large dining room, a kitchen, a furnace room, and a ping pong room. An older house requires much more maintenance than a newer one. Our men have saved a lot of money by doing our own repair work. This fall we saved sixty or seventy dollars by replacing a large amount of faulty plumbing ourselves.

On Sunday, October 13, alumni of Zeta Chapter from Kansas City, Topeka, and Lawrence met at the chapter house to determine what could be done to improve our housing at K.U. Among those present was Robert E. Pope, Executive Secretary of Theta Tau. Three routes of action were deemed possible: 1) construction of a new house, 2) remodeling of the present house, and 3) purchase

of another house. Two committees were set up. One is to look into the financial feasibility of the three possibilities. The other committee is to get preliminary sketches of a new chapter house.

By the end of this year we should be started toward better housing facilities.

JAY RUPAR
Corresponding Secretary

THETA CHAPTER

Due to the scarcity of housing facilities in New York City, obtaining a house for Theta Chapter is impossible at this time. The only available building is a small brownstone recently abandoned by a social fraternity, which is valued at \$150,000.

The activities following the Chapter's reinstatement included many social and professional gatherings. The highlights of the professional programs were a trip to Consolidated Edison's new nuclear generator at Indian River, New York, and an excellent speaker from Rohm and Haas. The main social event was a chapter beach party.

MICHAEL WORTHAM
Corresponding Secretary

IOTA CHAPTER

Recently Iota Chapter has adopted a new idea for aiding outstanding freshman students enrolled at MSM. An alumni scholarship committee was set up by Regent Burchill for the purpose of contacting the alumni of Iota Chapter and presenting to them the details

of the proposed scholarship.

All Iota alumni are being contacted via form letters explaining the organization and details of the scholarship. The terms of the scholarship stipulate that a stipend of one hundred dollars will be presented to the most outstanding freshman selected by the scholarship committee.

The idea has been greeted with much approval by the alumni as is evidenced by the gracious responses to the scholarship letters.

KENNETH C. POHLIC
Corresponding Secretary

LAMBDA CHAPTER

No Chapter Letter

MU CHAPTER

At present the headquarters of Mu Chapter is located at 300 Thomas Street, Tuscaloosa, adjacent to the University of Alabama campus. The term chapter headquarters, rather than chapter house, is used because the administration has not yet given professional fraternities the right to operate houses. Our

adviser and Grand Regent, William K. Rey, along

THE GEAR OF THETA TAU

with Chapter members, has been trying to overcome this obstacle for some time.

Our house has a living room, which has just been redecorated by the members, a dining room, kitchen, double bathroom, and three bedrooms. Six members live in the house and divide the rent.

Chapter meetings and casual get-togethers are held at the house, and several parties are planned for the coming weekends. A television set was recently acquired so that members would have a place to relax.

One of the main differences that official recognition would make is that we could put the Fraternity letters on the front of the house. As you can see, this is a bitter pill to swallow.

If any of our fellow chapters have a solution to our problem, please let us hear from you. However, we would enjoy hearing from you even if you don't have a solution.

DON PIERCE

Corresponding Secretary

XI CHAPTER



Needless to say, we were unable to send a picture of what is today only a dream—our Chapter stands among the homeless. We did locate a wonderful mansion with spacious and beautiful grounds. Surprising as it may seem, the occupants have never paid one cent for rent or upkeep. This we felt would be ideal. The Governor, however, has been

a little reluctant to leave. At present we see no easy road ahead, but we realize there are various prerequisites to obtaining a house, and Xi Chapter is directing its energy along these lines.

A good foundation is the first requirement of a house; likewise, if a chapter is going to succeed, it too must have a well-formed foundation. Xi Chapter is not a new chapter, but in many ways we could be considered very young. For the past several years the Chapter existed as so many pieces of aggregate, ready to be used. Only recently have the long-needed cementing agents, ambition and good leadership, become available. To give the foundation the depth it needed, we employed our potential to obtain a strong pledge class. Our present pledge class more than doubles the size of our Chapter. Only now do we feel assured that we have a foundation suitable for building.

Perhaps our problem was a little different than those faced by other chapters, but to build from the footing seemed essential to us. Now that this is progressing satisfactorily, we have every ambition to reach as many other goals as possible. The many problems involved in directly obtaining a house have not yet been challenged, but we can say that Xi Chapter has a good start.

JAMES A. BECKWITH

Corresponding Secretary

OMICRON CHAPTER



Omicron Chapter has a rather unique explanation for not having a chapter house—not enough bachelors. Marriage plus spring graduation has forced a temporary delay in producing a chapter house.

Last semester plans were well underway toward renting a house. However, upon closer investigation, it was evident that a chapter house at that time would have been costly and impractical.

So for the time being, Omicron will have to concentrate on reinforcing its membership with bachelors. Maybe then plans for a house can become a reality.

STANLEY F. SCHROEDER

Corresponding Secretary

PI CHAPTER



We at Pi are among the chapters that do not have houses. Our campus social structure is based on the social fraternity, and since 85 percent of our members are members of social fraternities, and out of that 85 percent, 50 percent live in their social fraternity houses, it is an impossibility for us to have a house of our own. We have, however, recently obtained a room of our own in the "B" wing of the Engineering School. We are using this room to house our formal and informal materials, as well as using it as a small meeting room.

We are pleased to announce that in the spring semester, as in previous semesters, we successfully ran and put into office seven men from our brotherhood. This represents seven-eighths of the offices available. These offices were: president of the School of Engineering and Applied Sciences, secretary, treasurer, historian, two Student Council representatives, and one Judiciary Committee representative.

GARY W. BURDETT

Corresponding Secretary

RHO CHAPTER



Rho is laboring diligently to obtain a chapter room which it may call its own.

At this time last year, we had hopes of obtaining a house of our own off campus. These plans were thwarted when the administration embarked upon a policy of getting all the fraternities in Fraternity Row on campus. As a result we didn't have the administration's approval to move into a house off campus nor the money to buy one of the modern houses on campus.

Even though we must be content at the present with only a chapter room in the Electrical Engineering Building, we have a building fund which will someday enable us to obtain a house.

BILL SHARPE

Corresponding Secretary



Beta's house, with its 12-acre plot, is new to the Chapter.



1602 Louisiana is a familiar address for Zeta Chapter.



Sigma Chapter is proud of the recent addition to its house.

Phi Chapter takes pride in its home atmosphere.



SIGMA CHAPTER



The topic chosen for this *Gear* is very appropriate for Sigma Chapter at this time, since a \$65,000 addition was completed for our chapter house last year. The house and lot are owned by an alumni association, Sigma of Theta Tau Incorporated. The active

Chapter pays a set rent to the association, and a board of directors meets once a month to handle business affairs. An additional source of income for the alumni association is alumni donations, as each active has pledged to contribute \$250 within five years after graduation.

We now have space for 25 men to live, and are starting this year with 22 living in the house. There are four floors, with the kitchen, dining, chapter, and laundry rooms on the basement level. The dining and chapter rooms are separated by a folding door which can be opened to form a 30 by 40 foot party room with sliding glass doors leading to our patio.

This addition is only the first of a three-stage plan which includes adding another story to the new section and remodeling the old section within the next 15 years.

A slight financial problem was the furnishing of the new section, especially the kitchen. Of course the next thing is to keep the house full. Since we participate in no formal rush week, we pledge men at various times throughout the quarter. If these men live in university dormitories they have a contract for the entire year, which somewhat hinders our housing campaign.

DALE HOOVER
Corresponding Secretary

TAU CHAPTER

No Chapter Letter

UPSILON CHAPTER



Upsilon of Theta Tau moved into the house it is occupying in September 1962. The house is rented from an individual, and the option to rent runs through August 1965.

The house has a capacity of 18 men, and there are presently that many living in it. The dining facilities, because of five new six-man tables recently bought, can accommodate 30 men. By having out-of-house members eating in the house, we have about 25 men presently using our dining facilities. With a large living room that is used as the chapter room and a large TV room, Upsilon has plenty of room for all its activities. The house is directly across the street from the Engineering Building, which is especially convenient for the brothers in the house.

All external repairs, such as screens, sidewalk, etc., are made by the owner of the house. Internal repairs are the responsibility of Upsilon. Because the house is old, the plumbing and wiring have given us some trouble, but both these problems

are being overcome. Parking space is another problem, but this has been solved by the enlarging of the original parking area. Kitchen facilities are barely adequate to serve the needs of the men eating in the house. We are fortunate to have two cooks who keep up with food prices and do all our buying. In fact, Upsilon is one of the few houses on campus which operates consistently in the black. Brother Gibbons, our house manager, keeps the house in good repair and running order.

Investigation concerning a new house is now underway. Several of the brothers of Upsilon are considering finances, location, and design. Actual building of the house is several years away, but considerable effort has already been put into planning for it; we will keep working until the house becomes a reality.

Since we can pledge men who are also members of social fraternities, Upsilon is not competitive with them. Bids are given after men come to two smokers held in the house. All men, with few exceptions, are required to live in the house one semester.

As the center of all activities, our house plays an important part in the life of Upsilon Chapter.

RONALD EDDY
Corresponding Secretary

PHI CHAPTER



The Phi Chapter house is wholly owned by the Phi Chapter Alumni Association. The house is located two city blocks from the Purdue engineering campus. The house is in a residential setting, thus providing more of an "at home" atmosphere for day to day living.

Physically the house has three working floors with approximate dimensions of 40 by 50 feet. The basement of the house is essentially useless for other than storage, since the space is broken up by many pillars and columns. This situation has arisen because the present location of the house is not the original. The house was twice moved before it was located where it is now. This all occurred before the founding of Phi Chapter. The first floor of the house contains the kitchen, dining room, lounge, and "bum" room. The second floor is composed entirely of study rooms, while the third contains study rooms and the dorm.

The house has a capacity of 30 men with dining and sleeping space adequate for 35 and 40 people, respectively. At present there are 27 men living in the house.

We (at least not now) do not have any major problems in maintaining the house; just a lot of small ones. There are always at least a handful of small tasks to be done to keep the house in good repair. For example, this past summer a felled tree limb struck one corner of the house, rearranging a few boards.

At times it becomes difficult to enlist the aid of all the members to do routine clean-ups within the house. We are in good financial status; however, we are in no position to attempt to expand the house or build a new one. (We would like to expand.)

THE GEAR OF THETA TAU

We have just started to remodel our dining room by installing wood panelling, new windows, and a new ceiling to match our lounge, which was redone three years ago. This project was in the planning stage for a long time while we accumulated the necessary resources to go ahead.

Ninety percent of the brothers and pledges live within the chapter house—27 of 30.

Phi is becoming increasingly active on campus by participating more vigorously in such things as pep rallies, major student activities, and student services. We are somewhat restricted in the sense that we have to compete with social fraternities ranging in size from two to four times that of Phi Chapter. One added note—scholarship has not been neglected. Phi Chapter was first scholastically on campus last spring and first overall for the entire past academic year.

AL HRIBAR
Corresponding Secretary

CHI CHAPTER



Chi Chapter's house is located one block from the campus and is situated in an older residential area of Tucson. It is owned by the housing corporation, and is being paid for from the rent of six brothers who are now living in the house.

The house has two stories. Upstairs, there are two bedrooms and a room for the housing of the Chapter's printing press. On the main floor we have two bathrooms, four bedrooms, dining room, living room, and a kitchen. The house adequately houses six, but is rather crowded with seven as we had last year.

The semester pledge-active work day is fast approaching, at which time the house will receive a liberal application of paint and elbow grease.

J. E. FORTIMAN
Corresponding Secretary

PSI CHAPTER



The problem of a chapter house has come up for a great deal of discussion this past year because the competing fraternity, Sigma Rho, has purchased an off-campus house, and this house has made Sigma Rho Fraternity quite attractive to the out of town students.

There were several proposals studied at the time, including starting a building fund campaign among the alumni in order to purchase, or in case enough money could not be raised, to lease a house on a yearly basis. The Fraternity went so far as to inspect several houses in Butte to see if they would fit the purpose and to determine the lease rates.

However, it was decided not to attempt to move the Fraternity off the campus for several reasons. Most of the members of Psi come from Butte and live at home with their parents, and thus would not live in a fraternity house, and there are not enough out of town members to pay the expenses

of a house; the residence hall at Montana School of Mines has set aside one wing of the dorm for the members to live in, and this includes a large chapter room for meetings, so there is no need for a house as a meeting center; furthermore, it was felt that a move off-campus would isolate the Fraternity from the rest of the school, which could be a disaster as far as school politics go. This is exactly what happened with the competing fraternity, for after their move off campus they did not win a single seat on the Student Council in the last school election. Psi Chapter members won them all.

Thus this Chapter has dropped plans to try to obtain a house in the near future.

KENNETH ARNE
Corresponding Secretary

OMEGA CHAPTER



We here at Omega Chapter are one of the chapters that rent a house. The house that we live in is owned by a portion of the alumni of Omega Chapter. We rent the house

on a monthly basis, and this will probably lead to the next question—how much?

Right now we have 18 of our 32 active members living in the house. The capacity of the house is 20 men. Rent is \$25 per month per person, and board is \$60 per month. We have a cook who comes in three times a day, and a cleaning lady who comes to the house daily to tidy things up a bit.

The problem of maintaining and managing the house is one for both the alumni and active members. All major maintenance is taken care of by the alumni, and the smaller problems are ironed out by our elected house manager. The house manager is responsible for collecting the rent and paying the bills for food, lights, etc.

The living room of our house is used as a chapter room for our meetings. It seats approximately 50 people quite comfortably. Also the living room is used for smokers and other functions. The walls are arrayed with pictures of our alumni of past years.

We here at Omega are proud of our house and of the fact that we are fortunate to have a house.

GARY L. NELSON
Corresponding Secretary

GAMMA BETA CHAPTER

No Chapter Letter

DELTA BETA CHAPTER



Delta Beta Chapter is fortunate to own a house within short walking distance of the college campus. The deed to the house is in the name of the Fraternity, which is incorporated.

Our house has eight rooms, including a modern kitchen, dining room, a large living room, two sleeping rooms, and our chapter room. We also have remodeled our basement into a game room,



Chi's house is one block from campus.



107 Kansas City Street is a familiar address for Omega men.



Upsilon moved to this house near the Engineering Building in 1962.



Delta Beta's house, one block from campus, is the center of Chapter activity.

Epsilon Beta moved into its "new" home in December 1961.



which includes a pool table, ping pong table, and a large coke bar. We usually have between two and four men living in the house. Since the University of Louisville is a city college, most of the members live at home, and no meals are served at the house, although it is a gathering place for members during the lunch hour.

By far the greatest problem of maintaining the house is keeping it clean. With 30 to 40 men using the house daily, cleanliness is a problem. This has been solved through Saturday work periods, with many brothers pitching in. The house is run by a house manager, who is elected annually by the Chapter. He is responsible for all improvements and upkeep of the house and grounds.

Due to expansion of the college campus during the next few years, we will be encouraged to move onto a Fraternity Row, which is being planned by the University. This should be a definite advantage to the Greek system on campus.

At our Chapter, the house is the hub of our activities. Here are held weekly chapter meetings, Mothers' Club meetings, initiations, and many rush and social functions. After our first home football game this season, we had over 150 people at an informal rush party. The future looks good for our Chapter. We lost no members due to graduation this year, and with our new pledges we are looking forward to another interesting and active year.

JOHN SHIPWAY
House Manager

EPSILON BETA CHAPTER



Epsilon Beta's chapter house is owned by a housing corporation, which is run by representatives from the Alumni Association and the active Chapter. The house is rented from the housing corporation by the active Chapter.

The house has five bedrooms and ten to twelve men could live comfortably in it at once. We have never at any time even approached this number. At present there are only three men living in the house. Wayne State is a city university and most of the men commute back and forth to school.

The dining facilities could accommodate approximately twelve to fifteen people. Several members have night classes, so several nights during the week six to eight men cook a large meal for themselves, and each man shares in the expenses and cleanup duties.

We have a special room called the Transit Room. This is for any member(s) who would like to spend the night at the house. The cost is 25 cents a night. This has worked out very well for us in the past.

There is a full-size pool table in the basement. We also have one small room on the main floor which contains personal mailboxes for each member, a bulletin board, a pay phone booth, and a book box for each member to store his books and personal belongings in.

Delta Beta Chapter members came up with an ingenious idea for getting their basement painted, which we have also adopted. It consists of allowing each member to paint a four-foot square of the basement wall in any manner he wishes. There are no restrictions as to color or designs. The results are quite startling, but at least it gets the basement painted. It also makes an excellent conversation starter.

FRED DUVALL
Corresponding Secretary

ZETA BETA CHAPTER

No Chapter Letter

ETA BETA CHAPTER

No Chapter Letter

THETA BETA CHAPTER



Shortly after the inception of Epsilon Nu Gamma, the forerunner of Theta Beta Chapter, Brother Messer conducted a thorough and vigorous campaign to determine the availability of suitable

housing for the fraternity. Ideas on housing were solicited from realtors, members of the Pacific Northwest Alumni Club, and other people who had experience in operating a living group. Several interesting buildings were located, but all would have necessitated a group of about 20 brothers living in. With 20 percent of the members married and many others committed to other housing arrangements, we decided to forego any further action on the issue until after our upcoming installation.

With the beginning of the new school year this fall, a renewed effort to establish chapter housing was begun. The Chapter is presently pursuing two courses of action—one, to lease a small house and operate it as a chapter house; or two, to have several members get together and lease a house on their own, and sub-lease a room to the Chapter for chapter headquarters. At this writing, both courses of action are being considered.

The most significant problem facing Theta Beta Chapter is one of having enough men to live in and support a housing operation. Of our present membership, only six men are living away from home and considered possible boarders for a chapter house. This number does not allow for very extensive or grandiose plans for a permanent chapter house.

The above generally sums up Theta Beta's efforts to obtain a chapter house, and in closing the Chapter would like to acknowledge the fine job done by Theta Beta's first pledge class in making a lighted replica of the badge. This replica will have its inauguration at the joint Founders' Day Banquet of Theta Beta Chapter and the Pacific Northwest Alumni Association.

JIM CHESNUTT
Corresponding Secretary

Additions to Membership

ALPHA CHAPTER

- 728 David Arthur Larson, Nashwauk, Minnesota
- 729 Richard Vernon Lau, Hopkins, Minnesota
- 730 Richard Rennix Harding, Superior, Wis.
- 731 Ronald Vern Ogren, Hibbing, Minnesota
- 732 Jon Herbert Davison, Rochester, Minnesota
- 733 Frederick Heinkle See, Duluth, Minnesota
- 734 Douglas Paul Munson, Minneapolis, Minn.
- 735 Dennis George Rosen, Minneapolis, Minn.

BETA CHAPTER

- 898 Edmond John Korybalski, Jr., Wayne, Mich.
- 899 Thomas John Faucett, Marinette, Wisconsin
- 900 Domenic Joseph Mancinelli, Dearborn, Mich.
- 901 Steven Michael Weiss, North Bellmore, N.Y.
- 902 Charles Geoffrey Kellogg, Livonia, Michigan
- 903 Richard Alexander Mackintosh, Adrian, Michigan
- 904 Douglas Joseph Maki, Ironwood, Michigan
- 905 Keith Alan Howe, Houghton Lake, Mich.
- 906 Michael Clifford Gustafson, Ironwood, Mich.
- 907 Joseph Peter Konwinski, Hillman, Michigan
- 908 Terry Eugene Wilson, Pontiac, Michigan
- 909 Robert Lawrence Lappi, Van Nuys, Calif.
- 910 Barry Lyndon Gay, Muskegon, Michigan
- 911 James Albee Mitchell, Grandville, Michigan
- 912 Warren Arvo Ernest Kalmara, Chicago, Ill.
- 913 William Arthur Perkins, Ironwood, Mich.
- 914 Kenneth James Lutz, Dearborn, Michigan
- 915 David Wayne Stallard, Laurium, Michigan
- 916 James Warner Biekkola, Marquette, Mich.

THETA CHAPTER

- 637 Gabriel Adam Rosica (Charter), Mamaroneck, New York
- 638 Warren Paul Hawrylko (Charter), Elmhurst, New York
- 639 Russell Charles Baccaglioni (Charter), Fort Lee, New Jersey
- 640 Paul Kende (Charter), Long Island City, New York
- 641 Robert Works Jamison (Charter), Ithaca, New York
- 642 Harry Edward Squassoni (Charter), Flushing, New York
- 643 Howard Lee Freese (Charter), Nitro, West Virginia
- 644 Burgess Andrew Levin (Charter), Great Neck, New York
- 645 Tobias Abraham Gottesman (Charter), Bronx, New York
- 646 Norman Michael Lowenkron (Charter), White Plains, New York
- 647 Robert Houska Mayer (Charter), Westbury, New York
- 648 Joel Mark Schoen (Charter), Bronx, N. Y.
- 649 Laird Peter Whitehill (Charter), N. Y., N. Y.
- 650 Gerald Richard Kocher, Pekin, Illinois
- 651 Arthur Wilson Epley, III, Magnolia, Ark.
- 652 Robert Charles Halden, New York, N. Y.
- 653 Victor John Revenko, Rego Park, N. Y.
- 654 John Bufton Forbes, New York, N. Y.
- 655 Robert Alan Goldstein, Flushing, N. Y.

- 656 Michael Jefferis, Ogden, Utah
- 657 Robert John Power, River Edge, New Jersey
- 658 Steven Lionel Shrier, Forest Hills, N. Y.
- 659 Robert Spencer Wilkov, Bronx, New York
- 660 Michael David Wortham, Lufkin, Texas
- 661 John Dixon Spear, Portland, Oregon
- 662 Robert George Vambrey, Yonkers, N. Y.
- 663 John George Mineo, Teaneck, New Jersey
- 664 William Allen Morrison, Cleveland, Ohio
- 665 Theodore Diesenhaus, Brooklyn, New York
- 666 Theodore Joseph Bielen, Jr., New Milford, New Jersey

IOTA CHAPTER

- 847 Jalon Richard Leach, Poplar Bluff, Missouri
- 848 Michael Clark Kearney, Kirkwood, Missouri
- 849 James Bruce Marble, Oneonta, New York
- 850 Alfred Ray Powell, Centralia, Missouri
- 851 Wayne Bernhardt Ruck, Ballwin, Missouri
- 852 David Donald Sandler, St. Louis, Missouri
- 853 Kenneth John Schader, St. Louis, Missouri
- 854 R. Patrick Skow, Omaha, Nebraska
- 855 Thomas Kent Bohley, St. Louis, Missouri
- 856 Gary Leon Downey, Rolla, Missouri
- 857 Thomas C. Gresham, Jasper, Missouri
- 858 Myron Edward Grizio, Collinsville, Illinois
- 859 William Louis Hallerberg, Kirkwood, Mo.
- 860 Gary Wayne Havener, Mexico, Missouri
- 861 Robert Lloyd Hyberger, Mansfield, Missouri
- 862 Rollie Richard Johnson, Maplewood, Mo.
- 863 Gilbert Ray McKean, Rock Hill, Missouri
- 864 Robert Wallace Randolph, Carmi, Illinois
- 865 Louis Edward Schwarze, Overland, Missouri
- 866 Robert Carl Tooke, Cape Girardeau, Mo.
- 867 Myron Duane Bruns, St. Louis, Missouri
- 868 John Ross Childress, Sikeston, Missouri
- 869 Jeffrey Emil Ditto, Doniphan, Missouri
- 870 William Carl Erickson, Gurner, Illinois
- 871 Joseph John Gianquinto, Reseda, Calif.
- 872 Michael Richard Johnson, Joplin, Missouri
- 873 Wade Alvin Martin, Mexico, Missouri
- 874 Marvin Kenneth Monday, St. Charles, Mo.
- 875 Francis Michael Nataluk, Bridgeton, Maine
- 876 Kenneth Charles Pohligh, St. Louis, Mo.
- 877 James Robert Wunderlich, Washington, Mo.
- 878 Julian Rolfe Wyatt, Belton, Missouri
- 879 Charles Peter Becker, Fenton, Missouri
- 880 Robert Herold Brockhaus, St. Louis, Mo.
- 881 Kenneth Lawrence Cage, Crystal City, Mo.
- 882 Scott Hilmar Carriere, St. Louis, Missouri
- 883 Harvey David Decker, Cape Girardeau, Mo.
- 884 Michael Earl Deen, Tulsa, Oklahoma
- 885 Kenneth Bernard Delmain, O'Fallon, Mo.
- 886 Robert Charles Elliott, Ridgefield, Conn.
- 887 James Olin Guest, King City, Missouri
- 888 Robert William Hecht, Altenburg, Missouri
- 889 Tod Krueger Jester, Webb City, Missouri
- 890 Paul Arthur Ray, Rolla, Missouri
- 891 Michael Kenneth Reyburn, Kansas City, Mo.
- 892 Gary George Schumacher, Manchester, Mo.
- 893 Robert Henry Sieckhaus, St. Charles, Mo.
- 894 Robert Leon Tidmore, Springfield, Missouri
- 895 James Keith Van Buren, St. Louis, Missouri
- 896 James Henry Yost, Rolla, Missouri
- 897 Keith Edward Bailey, Carrollton, Missouri

FALL 1963

- 898 Malcolm Thomas Barber, St. Louis, Missouri
 899 Wayne Gaven Benz, Maplewood, Missouri
 900 James Edgar Bertelsmeyer, Florissant, Mo.
 901 Joseph Hugh Bogard, St. Louis, Missouri
 902 Sherman Dale Brady, Jr., North Kansas City, Missouri
 903 John William Bryan, Princeton, Missouri
 904 William Edward Burchill, Taylorville, Ill.
 905 William Adolph Crede, Westphalia, Missouri
 906 John Morrow Daniels, Jr., Pittsburgh, Penna.
 907 Steve Phelph Feyerabend, Kirkwood, Mo.
 908 John Jacob Gladysiewicz, Oneida, New York
 909 Kenneth Charles Hoelscher, Overland Park, Florida
 910 Alan Albert Kamp, St. Louis, Missouri
 911 John Marvin Killoran, Jr.
 912 John Douglas Million, Boonville, Missouri
 913 Earle Raymond Neubauer, Jr., Collinsville, Illinois
 914 James Edward O'Bryant, II, Springfield, Mo.
 915 Robert Lee Ricketts, Annadale, Virginia
 916 Eugene Arthur Roeder, Creve Couer, Mo.
 917 Wayne August Scheer, St. Louis, Missouri
 918 John Thomas Sedovic, St. Louis, Missouri
 919 John Douglas Told, Webb City, Missouri
 920 Samuel Cavin Weaver, Branson, Missouri
 921 James Stephen Allison, Owensboro, Ky.
 922 James Andrew Clippard, Dexter, Missouri
 923 Dennis George Dreyer, Afton, Missouri
 924 Thomas William Gardner, St. Louis, Mo.
 925 William Otto Haag, Jr., Lemay, Missouri
 926 James Michael McHugh, Hannibal, Missouri
 927 Victor Ray Marshall, Poplar Bluff, Missouri
 928 John Charles Minton, St. Louis, Missouri
 929 Walter Mueller, Jr., Clifton, New Jersey
 930 Ronald Stanley Robertson, Kansas City, Mo.
 931 Gary Douglas Schellman, Jefferson City, Mo.
 932 Lonnie Joseph Shalton, Independence, Mo.
 933 Richard Linn Terry, Bonne Terre, Missouri
 934 Donald Lee Williams, St. Ann, Missouri
 935 Alan Douglas Zunkel, Princeton, Illinois
 936 Hardin Thrash Abrams, Hannibal, Missouri
 937 David Eugene Bailey, Benton, Missouri
 938 James Knox Boaz, Prairie Village, Kansas
 939 Charles Eugene Campbell, Dixon, Illinois
 940 Richard Kelley Dagley, Joplin, Missouri
 941 William Marshall Farrell, Jr., St. Louis, Mo.
 942 Roland Wayne Fenner, Ladue, Missouri
 943 James David Franklin, St. John, Missouri
 944 Thomas Keith Gaylord, Independence, Mo.
 945 Gerald Walter Hartenberger, St. Louis, Mo.
 946 John Wayne Huckabee, Palmira, Missouri
 947 Roscoe Leland Mackie, Centralia, Missouri
 948 Hugh William McCane, Jr., Washington, Mo.
 949 Richard Ludwig Schmidt, St. Louis, Mo.
 950 David Reid Woerner, Kansas City, Missouri

LAMBDA CHAPTER

- 809 Jess Adolf Agraz, Salt Lake City, Utah
 810 Derek Brown, Salt Lake City, Utah
 811 David Arol Erickson, Farmington, Utah
 812 Stephen Tremayne Gaddis, Salt Lake City, Utah
 813 Louis Stewart Heaton, Salt Lake City, Utah
 814 Joseph McKinley Henslee, Salt Lake City, Utah
 815 Ronald George Fazio, Helper, Utah
 816 James Ellis Jackson, Fillmore, Utah

- 817 Michael James Kirkman, Salt Lake City, Utah
 818 Theo David Merrill, Salt Lake City, Utah
 819 Phillip Joe Nelson, Beaver, Utah
 820 Joseph Altan Roberts, Salt Lake City, Utah
 821 Gaylen David Rogers, Salt Lake City, Utah
 822 Gary Don Shepherd, Salt Lake City, Utah
 823 Sergei Eugene Zelenkov, Salt Lake City, Utah

MU CHAPTER

- 802 Thomas Adrian Hagood, Jr., Florence, Ala.
 803 Samuel Patrick Ballard, Fairfield Highlands, Alabama
 804 Alvin Joel Connor, Phenix City, Alabama
 805 John Edgar Daniel, Clayton, Alabama
 806 Bernard Emanuel DiGiorgio, Birmingham, Alabama
 807 Harvey Mitchell Donaldson, Montgomery, Alabama
 808 James Manning Faircloth, Jr., Northport, Alabama
 809 William Kavanaugh Francis, Tuscaloosa, Ala.
 810 Ronald Forrest Goss, Piedmont, Alabama
 811 Richard Allen Jacobs, Birmingham, Alabama
 812 Malcolm Crawford Johnson, Andalusia, Ala.
 813 William Lester Marshall, Jr., Fairfield, Ala.
 814 James Ray McDaniel, Fairfield, Alabama
 815 George Scott McSherry, Jr., Tuscaloosa, Ala.
 816 Michael Weaver Nichols, East Gadsden, Ala.
 817 Randolph Wayne Priddy, Huntsville, Ala.
 818 Robert Glenn Priddy, Huntsville, Alabama
 819 Robert Ray Richwine, Jr., Birmingham, Ala.
 820 Samuel David Sanders, Anniston, Alabama
 821 Alkis John Sekas, Thessaloniki, Greece
 822 Robert Royce Snellgrove, Enterprise, Ala.
 823 Vincent Wayne Sparks, Moulton, Alabama
 824 John Wayne Thomas, Birmingham, Alabama
 825 John Milton Troha, Birmingham, Alabama
 826 Raymond Rodney Yates, Birmingham, Ala.
 827 John Frank Dollar, Birmingham, Ala.

OMICRON CHAPTER

- 659 Scott Michael Bailey, Port Washington, N. Y.
 660 Richard Paul Borglum, Janesville, Iowa
 661 George Allen Christiansen, Nora Springs, Iowa
 662 Burton Conrad Gearhart, Newton, Iowa
 663 Charles Patrick Gillespie, Alton, Illinois
 664 Lawrence Eric Sheets, Groton, Connecticut
 665 Robert Dwight Wilbanks, Ottumwa, Iowa
 666 William Harold Zager, Washington, Iowa

RHO CHAPTER

- 668 Charles Phillip Barrow, Raleigh, N. C.
 669 John Reynolds Boucom, Jr., Wilmington, North Carolina
 670 Hubert Hartman Davis, Jr., Jamestown, N. C.
 671 Leland Greer Ferguson, Winston-Salem, North Carolina
 672 Ronald Miller Harper, Clemmons, N. C.
 673 Thomas Richard Horton, Charlotte, N. C.
 674 Michael Reid Norris, Wilmington, N. C.
 675 James Koln Rudisill, Greensboro, N. C.

SIGMA CHAPTER

- 567 Woodrow Steven Demmy, Fairfield, Ohio
 568 Ronald Stephen Evans, Rocky River, Ohio
 569 William Grover Lowrie, Painesville, Ohio

THE GEAR OF THETA TAU

UPSILON CHAPTER

- 603 Neal Farley Harmon (Honorary), Fayetteville, Arkansas
 604 Bryan Webb, Jr. (Honorary), Fayetteville, Arkansas
 605 Robert Lee Holyfield, Conway, Arkansas
 606 Webster Taylor Cotten, Malvern, Arkansas
 607 David Michael Laney, El Dorado, Arkansas
 608 Ronald Gene Embry, Fort Smith, Arkansas
 609 Terry Joe Henky, Mansfield, Arkansas
 610 Luther Jerome Wilkerson, McKamie, Ark.
 611 John William Beall, Willson, Arkansas
 612 Jerry Wayne Medlin, Benton, Arkansas
 613 James Turner Womble, Warren, Arkansas
 614 William Andrew Harrison, Little Rock, Ark.
 615 Frederick Leo Crook, Harrison, Arkansas
 616 Don Richard Johnston, Ashdown, Arkansas
 617 John Sidney Fogg, Widener, Arkansas

CHI CHAPTER

- 649 Thomas Rollo Currie, Tucson, Arizona
 650 Lawrence Fredrick Gardanier, Phoenix, Ariz.
 651 William Allen Goren, Bisbee, Arizona
 652 Lyle Duane Johnsen, Tucson, Arizona
 653 Frederick George Kinde, Jr., Tucson, Ariz.
 654 David Ladriere Manion, Tucson, Arizona
 655 Duncan Mooers McIntosh, Fort Huachuca, Arizona
 656 David Henry Metzler, Phoenix, Arizona
 657 Peter Gilbert Nunez, Tucson, Arizona
 658 Steven Scott Pinnell, Tucson, Arizona
 659 James Elliott Watring, Tucson, Arizona
 660 Stephen M Zapp, Phoenix, Arizona

PSI CHAPTER

- 456 Arnon Gutfeld, New York, New York
 457 David James Duncan, Melrose, Montana
 458 Carl Melvin Koskimaki, Butte, Montana
 459 John G. Evans III, Fremont, California

OMEGA CHAPTER

- 593 Roy Dale Baker, Lead, South Dakota
 594 Larry Ernest Baruth, Alpera, South Dakota
 595 Antone Stephen Bulot, Deadwood, S. D.
 596 Byron Eugene Morrison, Montrose, S. D.
 597 Edward Merle Newberg, Custer, S. D.
 598 Kenneth Dean Pauling, Sioux Falls, S. D.
 599 Douglas Dwight Rames, Rapid City, S. D.
 600 Terry Lee Rothenbuehler, Lennox, S. D.
 601 Randolph Dean Scharberg, Edgemont, S. D.
 602 Robert Eugene Severson, Miles City, Mont.

GAMMA BETA CHAPTER

- 451 William Conan Pryor, Arlington, Virginia

- 452 Millard Edward Carr, Springfield, Virginia
 453 Lee Roy Young, Jr., Falls Church, Virginia
 454 Philip Lamar Pendleton, Annandale, Va.
 455 Stanley Irving Barr, Washington, D. C.

DELTA BETA CHAPTER

- 371 Gene M. Gooch, Louisville, Kentucky
 372 Kevin E. Buehner, Louisville, Kentucky
 373 Lewis Edward Crenshaw, Louisville, Ky.
 374 Gilbert Edmund Dix, Louisville, Kentucky
 375 Dell Kent Russell, Paducah, Kentucky
 376 Paul Samuel Schmitt, Louisville, Kentucky
 377 William Joseph White, Silver Spring, Md.

ZETA BETA CHAPTER

- 39 Paul Roger Watkins, Roosevelt, Utah
 40 Larry Roy Anderson, Providence, Utah
 41 Norman Lee Swallie, Salt Lake City, Utah

ETA BETA CHAPTER

- 53 Edwin Earl Arnold, Jr., Houston, Texas
 54 David Michael Earl, Houston, Texas
 55 James Joseph Fletcher, Houston, Texas
 56 William Frank Hester, Houston, Texas
 57 Fred Ben Himburg, Houston, Texas
 58 David Lee Miller, Houston, Texas
 59 Jerol Paul Monroe, Houston, Texas
 60 Shayler Humberto Nieto, Houston, Texas
 61 Otto Charles Schellberg, Houston, Texas
 62 James Roland Shirley, Houston, Texas
 63 Lewis Turner Wheeler, Houston, Texas
 64 Ben Joseph Brookman, Jr., Houston, Texas
 65 Wendell Halbert Brough, Jr., Houston, Texas
 66 Clarence Emile Eriksen, Houston, Texas
 67 Charles Fredric Hall, Houston, Texas
 68 Charles Joseph Latino, Houston, Texas
 69 Wilfred Shelly Litzler, Houston, Texas
 70 Raymond Charles McMullen, Houston, Texas
 71 Horst Jürgen Paul, Houston, Texas
 72 James Robert Simmons, Houston, Texas
 73 Theodore Cornelius Stanton, Houston, Texas
 74 James Douglas Toole, Houston, Texas
 75 Thomas Dale Whitmarsh, Houston, Texas
 76 Leonard Bert Wideman, Jr., Houston, Texas
 77 William Hillory Bridges, Jr., Houston, Texas

THETA BETA CHAPTER

- 16 Stuart Lee Card, Kelso, Washington
 17 George Yamamura, Seattle, Washington
 18 Richard Eugene Almy, Seattle, Washington
 19 Milton Ewart Gregory, Seattle, Washington
 20 John William Kleinhans, Republic, Wash.

Eight Chapters Tops Scholastically

Several chapters distinguished themselves during the 1962-63 school year by placing first scholastically among the fraternities on their respective campuses. They are:

- Iota Missouri School of Mines
 Mu University of Alabama

- Pi University of Virginia
 Rho North Carolina State College
 Upsilon University of Arkansas
 Phi Purdue University
 Psi Montana School of Mines
 Omega South Dakota School of Mines



Theta Tau Directory

Theta Tau Fraternity was founded at the University of Minnesota, Minneapolis, Minnesota, on October 15, 1904, by:

ERICH J. SCHRADER

ELWIN L. VINAL, 4039 West Mercer Way, Mercer Island, Washington 98040

WILLIAM M. LEWIS, 33 Pilgrim Lane, Drexel Hill, Pennsylvania 19027

ISAAC B. HANKS, 2120 Northwest Boulevard, Spokane, Washington 99205

PAST GRAND REGENTS

ERICH J. SCHRADER, *Alpha*, (1904-1919)*

GEORGE D. LOUDERBACK, *Epsilon*, (1919-1925)*

J. SIDNEY MARINE, *Eta*, (1925-1927), 45 Popham Road, Scarsdale, New York 10583

RICHARD J. RUSSELL (Dr.), *Epsilon*, (1927-1931), 4575 Highland Rd., Baton Rouge, La. 70808

FRED COFFMAN, *Lambda*, (1931-1935)*

HERMAN H. HOPKINS, *Beta*, (1935-1937), 3320 Culver Avenue, Evanston, Illinois 60201

JOHN M. DANIELS (Dr.) *Nu Honorary*, (1937-1939), Director of Admissions, Mount Mercy College, Fifth Avenue, Pittsburgh, Pa. 15213

RUSSELL G. GLASS, *Sigma*, (1939-1946), Saddle-back Lane, Gates Mills, Ohio 44040

RALPH W. NUSSEY, *Zeta*, (1946-1948), 609 West Dartmouth, Kansas City, Missouri 64113

NORMAN B. AMES, *Gamma Beta*, (1948-1950)*

DONALD D. CURTIS (Prof.), *Omicron Honorary*, (1950-1952), 114 Allee Street, Clemson, South Carolina 29631

JAMISON VAWTER, *Zeta*, (1952-1954)*

A. DEXTER HINCKLEY, *Theta*, (1954-1958), 90 Morningside Drive, New York, N. Y. 10027

CHARLES W. BRITZIUS, *Alpha*, (1958-1962), 2440 Franklin Avenue, St. Paul, Minnesota 55114

*Deceased

EXECUTIVE COUNCIL

GRAND REGENT WILLIAM K. REY (Prof.), *Mu* '45 _____ P. O. Box 664, University, Alabama 35486

GRAND VICE REGENT C. RAMOND HANES, *Sigma* '24, 581 E. Dominion Blvd., Columbus, Ohio 43214

GRAND SCRIBE ROBERT E. POPE, *Zeta* '52 _____ 13 Sona Lane, Saint Louis, Missouri 63141

GRAND TREASURER CHARLES W. BRITZIUS, *Alpha* '33, 2440 Franklin Ave., St. Paul, Minn. 55114

GRAND MARSHAL RICHARD LYNCH, *Epsilon Beta* '53, 4367 Berkshire Ave., Detroit, Michigan 48224

GRAND INNER GUARD JAY N. THORPE, *Lambda* '57, 5208 - 119th Ave., S.E., Bellevue, Wash. 98004

GRAND OUTER GUARD CHARLES E. WALES, *Epsilon Beta* '53, 355 W. Oak, W. Lafayette, Ind. 47906

DELEGATE-AT-LARGE

PAST GRAND REGENT CHARLES W. BRITZIUS, *Alpha* '33, 2440 Franklin Ave., St. Paul, Minn. 55114

CENTRAL OFFICE

ROBERT E. POPE, *Zeta* '52, Executive Secretary _____ 13 Sona Lane, Saint Louis, Missouri 63141

THE GEAR OF THETA TAU

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REGIONAL DIRECTORS

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(Zeta, Iota, Mu, Upsilon, Eta Beta)

CENTRAL GEORGE G. DODD, *Zeta* '60 _____ 11 Tulip Tree Drive, Champaign, Illinois 61821
(Delta, Sigma, Phi, Delta Beta, Epsilon Beta)

EASTERN MICHAEL A. GIBBS, *Mu* '57, Cameras for Industry, Inc., 19 Union Sq., N. Y., N. Y. 10003
(Theta, Pi, Rho, Tau, Gamma Beta)

WESTERN GARN HATCH, *Zeta Beta* '56 _____ 909 Lafayette Drive, Salt Lake City, Utah 84116
(Gamma, Epsilon, Lambda, Chi, Psi, Omega, Zeta Beta, Theta Beta)

ARCHIVIST

MILTON S. WUNDERLICH, *Alpha* '19 _____ 545 Mount Curve Boulevard, Saint Paul, Minnesota 55116

INTERIM COMMITTEES, 1963-1964

CONSTITUTION REVISION—JOHN M. DEALY, *Chairman*, 725 Haven, Apartment 5, Ann Arbor, Michigan 48104

CONVENTION PLANNING—ROBERT E. POPE, *Chairman*, 13 Sona Lane, Saint Louis, Mo. 63141

EXTENSION—ROBERT E. POPE, *Chairman*, 13 Sona Lane, Saint Louis, Missouri 63141

FINANCE—CHARLES W. BRITZIUS, *Chairman*, 2440 Franklin Avenue, Saint Paul, Minn. 55114; HERMAN H. HOPKINS, 3320 Culver Avenue, Evanston, Ill. 60201; RICHARD LYNCH, 4367 Berkshire Avenue, Detroit, Mich. 48224; PAUL L. MERCER, P. O. Box 487, Keokuk, Iowa 52632.

HISTORY—WILLIAM E. FRANKLIN, *Chairman*, 1507 Lynwood Drive, Lindsay, Oklahoma 73052; DEALY; PROF. J. W. HOWE, Engineering Building, Iowa City, Iowa 52240; POPE

REGIONAL CONFERENCES—JAY N. THORPE, *Chairman*, 5208 - 119th Avenue, S.E., Bellevue, Wash. 98004; GARN HATCH, 909 Lafayette Drive, Salt Lake City, Utah 84116

RITUAL REVISION—GEORGE G. DODD, *Chairman*, 11 Tulip Tree Drive, Champaign, Ill. 61821

SCHRADER AWARD—CHARLES E. WALES, *Chairman*, 355 W. Oak, West Lafayette, Ind. 47906

CHAPTERS AND CHAPTER ADVISERS

ALPHA	Founded October 15, 1904	University of Minnesota 515 Tenth Avenue, S. E., Minneapolis, Minnesota 55414*
	<i>Adviser:</i> DR. ROY H. MATTSON, Department of Electrical Engineering, University of Minnesota, Minneapolis, Minnesota 55414	
BETA	Established March 26, 1906	Michigan College of Mining and Technology U. S. Highway 41, Houghton, Michigan 49931*
	<i>Adviser:</i> PROF. HERBERT W. HAWN, Mechanical Engineering Department, Michigan College of Mining and Technology, Houghton, Michigan 49931	
GAMMA	Established November 8, 1907	Colorado School of Mines Box 134, Colorado School of Mines, Golden, Colorado 80401
	<i>Adviser:</i> DR. RUDY C. EPIS, Department of Geology, Colorado School of Mines, Golden, Colorado 80401	
DELTA	Established May 23, 1911	Case Institute of Technology Theta Tau Box, Case Institute of Technology, Cleveland, Ohio 44106
	<i>Adviser:</i>	
EPSILON	Established May 4, 1911	University of California Box 12, Engineering Building, University of California, Berkeley, California 94704
	<i>Adviser:</i> GEORGE P. REDMAN, 2534 Moyers Road, Richmond, California 94810	
ZETA	Established April 17, 1912	University of Kansas 1602 Louisiana Street, Lawrence, Kansas 66045*
	<i>Adviser:</i> WILLIAM B. DUNCAN, 2908 West 9th, Lawrence, Kansas 66045	
THETA	Established May 26, 1914	Columbia University c/o Dean's Office, School of Engineering, Columbia University, New York, New York 10027
	<i>Adviser:</i> HOWARD W. VREELAND, c/o Dean's Office, School of Engineering, Columbia University, New York, New York 10027	
IOTA	Established February 5, 1916	Missouri School of Mines and Metallurgy Theta Tau, Student Union, Missouri School of Mines, Rolla, Missouri 65401
	<i>Adviser:</i> PROF. FRANK J. CAPEK, Civil Engineering Department, Missouri School of Mines, Rolla, Missouri 65401	
LAMBDA	Established April 29, 1920	University of Utah Merrill Engineering Building, University of Utah, Salt Lake City, Utah 84112
	<i>Adviser:</i> PROF. PRESTON D. LINFORD, Civil Engineering Department, University of Utah, Salt Lake City, Utah 84112	
MU	Established January 3, 1922	University of Alabama P. O. Box 3156, University, Alabama 35486
	<i>Adviser:</i> PROF. WILLIAM K. REY, P. O. Box 664, University, Alabama 35486	
XI	Established January 13, 1923	University of Wisconsin Theta Tau Box, Mechanical Engineering Building, University of Wisconsin, Madison, Wisconsin 53706
	<i>Adviser:</i> DR. G. A. ROHLICH, 9 Hydraulics Laboratory, University of Wisconsin, Madison, Wisconsin 53706	
OMICRON	Established February 3, 1923	State University of Iowa Theta Tau Box, Engineering Building, Iowa City, Iowa 52240
	<i>Adviser:</i> DR. DONALD H. MADSEN, Engineering Building, Iowa City, Iowa 52240	

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PI	Established May 26, 1923 University of Virginia Thornton Hall, University of Virginia, Charlottesville, Virginia 22903 <i>Adviser:</i> DR. GEORGE B. MATTHEWS, Department of Aerospace Engineering, University of Virginia, Charlottesville, Virginia 22903
RHO	Established February 16, 1924 North Carolina State College P. O. Box 5282, State College Station, Raleigh, North Carolina 27607 <i>Adviser:</i> DR. FORREST W. LANCASTER, Head, Department of Physics, North Carolina State College, Raleigh, North Carolina 27607
SIGMA	Established November 29, 1924 Ohio State University 1946 Indianola Avenue, Columbus, Ohio 43201* <i>Adviser:</i> DALE R. BUSSMAN, Department of Engineering Mechanics, Ohio State University, Columbus, Ohio 43201
TAU	Established December 12, 1925 Syracuse University Theta Tau Box, College of Engineering, Syracuse University, Syracuse, N. Y. 13210 <i>Adviser:</i>
UPSILON	Established April 7, 1928 University of Arkansas 763 West Dickson Street, Fayetteville, Arkansas 72701* <i>Adviser:</i> PROF. J. R. BISSETT, Associate Director, Engineering Experiment Station, University of Arkansas, Fayetteville, Arkansas 72701
PHI	Established April 21, 1928 Purdue University 416 North Chauncey Avenue, West Lafayette, Indiana 47906* <i>Adviser:</i> DR. ALBERT R. SPAULDING, Freshman Engineering Department, Purdue University, West Lafayette, Indiana 47906
CHI	Established April 23, 1930 University of Arizona 840 East Fourth Street, Tucson, Arizona 85719* <i>Adviser:</i> PROF. PHILIP B. NEWLIN, Civil Engineering Department, University of Arizona, Tucson, Arizona 85719
PSI	Established May 7, 1932 Montana School of Mines Theta Tau, Residence Hall, Montana School of Mines, Butte, Montana 59701 <i>Adviser:</i> PROF. WILLIAM J. VAN MATRE, Department of Mining Engineering, Montana School of Mines, Butte, Montana 59701
OMEGA	Established March 26, 1932 South Dakota School of Mines and Technology 107 Kansas City Street, Rapid City, South Dakota 57701* <i>Adviser:</i> DR. ROBERT L. SANDVIG, Chemical Engineering Department, South Dakota School of Mines, Rapid City, South Dakota 57701
GAMMA BETA	Established March 16, 1935 The George Washington University Theta Tau, Davis-Hodgkins House, 731 Twenty-second Street, N.W., Washington, D. C. 20006 <i>Adviser:</i> PROF. CARL H. WALTHER, School of Engineering and Applied Science, The George Washington University, Washington, D. C. 20006
DELTA BETA	Established May 20, 1939 University of Louisville 2022 South First Street, Louisville, Kentucky 40208* <i>Adviser:</i> PROF. MILES G. NORTHROP, Electrical Engineering Department, University of Louisville, Louisville, Kentucky 40208
EPSILON BETA	Established May 19, 1951 Wayne State University 1200 West Hancock, Detroit, Michigan 48201* <i>Adviser:</i> DR. HAROLD G. DONNELLY, Chemical and Metallurgical Engineering Department, Wayne State University, Detroit, Michigan 48201
ZETA BETA	Established May 7, 1960, Utah State University of Agriculture and Applied Science Box 254, Union Building, Utah State University, Logan, Utah 84321 <i>Adviser:</i> DR. REYNOLD K. WATKINS, Mechanical Engineering Department, Utah State University, Logan, Utah 84321
ETA BETA	Established May 13, 1961 University of Houston Cullen College of Engineering, University of Houston, Houston, Texas 77004 <i>Adviser:</i> PROF. WILLIAM J. LEACH, Assistant Dean, Cullen College of Engineering, University of Houston, Houston, Texas 77004

* Chapter house

THE GEAR OF THETA TAU

THETA BETA Established March 2, 1963 _____ University of Washington
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Adviser: ROY A. MCCREARY, 16803 Southeast Second, Bellevue, Washington 98004

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IMPORTANT NOTICE TO ALUMNI

Beginning with this issue of *The Gear*, we are modifying our policy somewhat for those alumni who move without notifying *The Gear* office of their new mailing addresses. If your *Gear* is returned to us with a new address written on it, we will automatically place you on the mailing list for the next issue. If a returned *Gear* has no forwarding address on it, we will continue to seek your current address by first class letter. Because of the new higher postal rates, we will not remail the current issue to you as in the past. In all cases we will attempt to keep you on the mailing list.

ALUMNI NEWS

The Gear needs news about you and other alumni. Include promotions, job changes, professional honors, family news. Send to *The Gear of Theta Tau*, 1507 Lynwood Drive, Lindsay, Oklahoma 73052.

Name _____ Chapter _____ Year _____

Address _____

News of yourself and/or others _____

NOTICE OF DECEASED MEMBER

Please give as complete information as possible, including biographical data known, clippings, etc. Send to *The Gear of Theta Tau*, 1507 Lynwood Drive, Lindsay, Oklahoma 73052.

Name _____ Chapter _____ Year _____

Address _____

Date and place of death _____

Name and address of nearest relative _____

Reported by _____ Chapter _____

Address _____

Relationship to deceased _____

RECOMMENDED STUDENTS

Mail to Robert E. Pope, Executive Secretary, 13 Sona Lane, St. Louis, Missouri 63141. Include relatives and other recommended students at accredited schools whether or not Theta Tau yet has a Chapter at that school.

I recommend that the following student(s) in engineering (or geology) be considered for Theta Tau membership:

Name _____ School _____

Mailing Address _____ Major _____

_____ Expected Graduation Date _____

Remarks:

Signed _____ Chapter _____ Year _____

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Send to *The Gear of Theta Tau*, 1507 Lynwood Drive, Lindsay, Oklahoma 73052.

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Send names and addresses of any alumni you know who *may* not be receiving *The Gear* to *The Gear of Theta Tau*, 1507 Lynwood Drive, Lindsay, Oklahoma 73052.

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Be sure the Theta Taus you know are receiving *The Gear*.

GIFTS TO THETA TAU

Make checks payable to Theta Tau Fraternity and mail to Robert E. Pope, Executive Secretary, 13 Sona Lane, St. Louis, Missouri 63141.

I enclose the following contribution to Theta Tau:

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Three Little Words

Press releases are often prepared by sincere but hurried individuals who have no idea of the difference between a fraternity and a society. It is up to us to clarify for these people what Theta Tau Fraternity is—a professional engineering fraternity.

Every time you as an alumnus list "Theta Tau" where our public image may be unknown, you would do your Fraternity a great service by writing "Theta Tau Fraternity," or "Theta Tau, professional engineering fraternity."

In the last few weeks, releases have come to this office listing Theta Tau variously as "engineering honor society," "honorary society," and "professional mining fraternity." These are examples of the inaccuracies which crop up in the press outside the college campus. Such references to Theta Tau are absolutely wrong and misleading. The word "fraternity" carries a meaning far too important to let its use become confused

with the meaning of "society." A few words of contrast will suffice.

The fraternity organizes the social life of its members to promote their educational objectives; *elects* to membership by mutual choice; and places importance on personal qualifications. By contrast, the society is an association and functions solely to recognize achievement or interest in some field of education; it confers membership upon the individual; it makes no attempt to organize its groups into living units. The honor societies have their place, but should not be confused with fraternities.

In short, a fraternity is a combination of personal, educational, and social relationships tied up in one meaningful word—brotherhood. When you list your membership in Theta Tau, do so in a way which will leave no doubt that brotherhood is the basis of our Fraternity.

WEF

Housing--Another Fraternity's View

The summer edition of *The Shield of Phi Kappa Psi* included a Creed of Fraternity written by C. F. Williams. We reprint a quotation from the IRAC Bulletin:

"1. It should be a place where a better environment for the pursuit of academic work can be secured than outside the chapter house.

"2. It should be a place where a better cultural atmosphere can be found than outside.

"3. It should be a place where character is formed, not destroyed.

"4. It should be a place where habits of responsibility, industry, and leadership are recognized for their real value and are seri-

ously cultivated by members and pledges.

"5. It should be a place where members 'practice what they preach'; where the younger men are appealed to by the examples of the older men. In such a fraternity younger men are not driven to give adherence to regulations which the members violate with impunity.

"6. It should be a place where the ideal of the chapter is to aid rather than hinder, the educational progress of the college.

"7. It should be a place where such a warm congeniality of personal relationship between the men exists that outsiders, looking in, will desire to share in the privilege of membership."

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