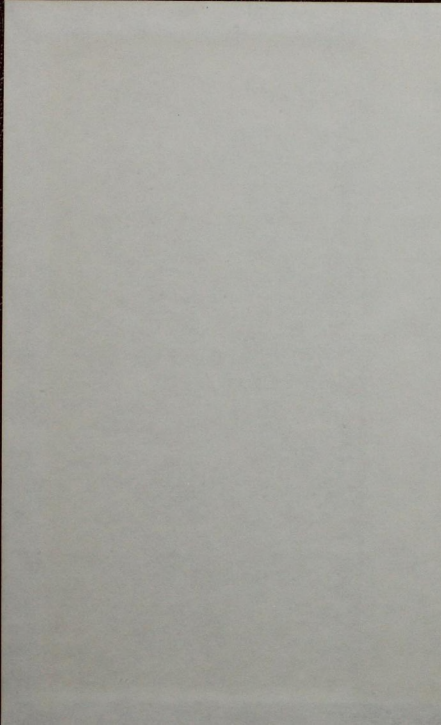
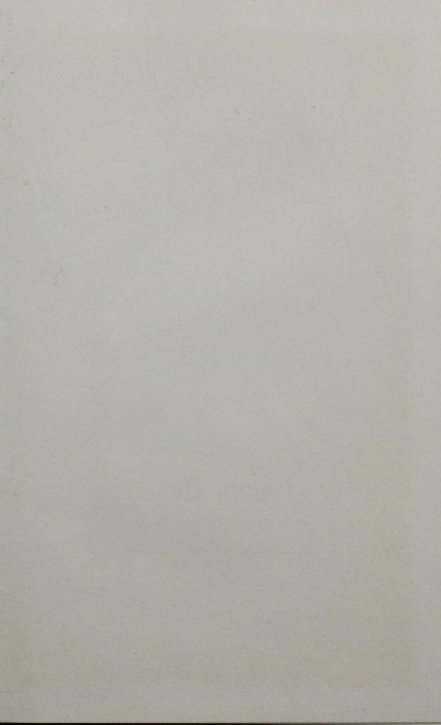
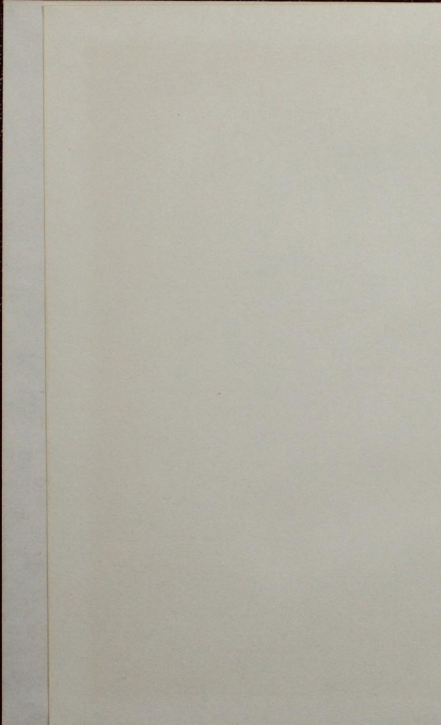


A HISTORY OF
THETA TAU FRATERNITY

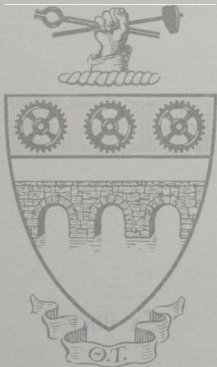








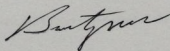
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**A HISTORY OF
THETA TAU FRATERNITY**

by

Charles W. Britzius

A handwritten signature in cursive script, appearing to read "Britzius", located below the printed name.

A HISTORY OF

THETA TAU FRATERNITY

CHARLES W. BRYAN

FOREWORD

This first assembly of the history of Theta Tau Fraternity records primarily the story of the National Fraternity emphasizing noteworthy events and naming a few of the many prominent members who served as officers. A brief history of each Chapter is also included. It is by no means complete — no history is — but represents the first accurate assembly of the facts which make Theta Tau such a unique brotherhood.

Information concerning the early years is taken from a variety of written sources. Unfortunately, all of those brothers who were directly involved in those first years are no longer around to explain and offer guidance. Some facts were taken from a talk given by our Founder Erich Schrader at the Convention Banquet at Lafayette, Indiana, in December, 1952. The more recent history was assembled with the help of many articles in *The Gear*. A number of the members of the Executive Council, past and present, have assisted. Special thanks are due Past Grand Regent William K. Rey for his notes and encouragement. Thanks also goes to Grand Vice-Regent Harvill C. Eaton and Grand Scribe Robert E. Pope for their editorial help.

The first recorded history is dedicated to the Brotherhood.

Minneapolis

Charles W. Britzius, Alpha '33
(Grand Regent, 1958-1962)

FOREWORD

The first volume of the series, "The History of the United States," is now in the hands of the public. It is a volume of the first importance, and one of the first of the series. It is a volume of the first importance, and one of the first of the series. It is a volume of the first importance, and one of the first of the series.

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I

EARLY HISTORY

THE FOUNDING

AND

THE FIRST THREE CHAPTERS

EARLY HISTORY THE FOUNDING AND THE FIRST THREE CHAPTERS

On October 15, 1904, four students at the School of Mines at the University of Minnesota affixed their signatures to the Charter of the Society of Hammer and Tongs. This act was the beginning of Theta Tau Fraternity and has been repeated by over 22,000 college men and women throughout the United States. The heritage and traditions of Theta Tau are a direct outgrowth of that meeting in 1904. From the beginning, it was viewed with a real solemnity which perhaps suggests that those men did indeed mean for the Fraternity to survive and become truly a National Fraternity.

Erich J. Schrader, the primary Founder, felt that mining and engineering students should unite in professional fraternities similar to those then existing for lawyers, physicians, and dentists. Although professional engineering fraternities operated locally at numerous colleges and universities, none had really reached prominence. From the founding, this was a primary aim in Schrader's mind.

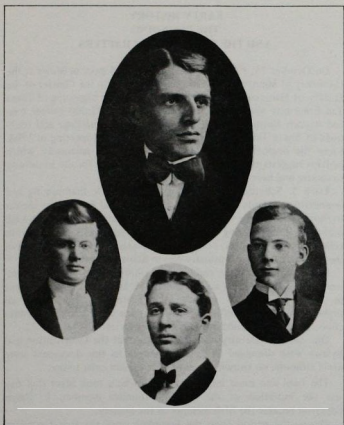
In his senior year, the early fall of 1904, he met with his roommate Elwin L. Vinal, as well as William M. Lewis and Isaac B. Hanks in order formally to organize the Fraternity. They were all sophomores, and, therefore, able to continue after Schrader's graduation. The group did not formally meet again until November 22.

Our oldest Fraternity records indicate that the Constitution and Bylaws were discussed in detail. Changes to this document were made although no known copies of that version exist today.

The final and most important event which took place that day was the initiation of the first non-founder member. E. Ralph Edgerton became the fifth member of the Society.

During the period from the Founding until the first Founders' Day, most of the meetings, which were at irregular intervals, dealt principally with additions to the Constitution and the Ritual, thus laying the basic foundation of the Society. Erich Schrader presided over these meetings and was called the Regent, while Isaac Hanks recorded the proceedings and was called the Scribe. It was not until December 17, that the Society initiated another member, George F. Weisel, a sophomore mining student. March 6, 1905, marked the entrance of the next initiate, Clinton B. Smith, a senior electrical engineering student. He was followed by Randolph J. McRae, James Cowin and Walter H. Wheeler who took Roll No. 10 on April 16, 1905. He was the last initiate during the first academic year of the Society's existence.

The first mass initiation was held on October 18, 1905, in recognition of the first anniversary. Four new members were



The Founders of Theta Tau (clockwise from the top) E. J. Schrader, W. M. Lewis, I. B. Hanks, and E. L. Vinal.

initiated. This and many of these early meetings were held in Ike Hanks' home at 2636 Hennepin Avenue or in a rented second story room over a bookstore just north of the main Minnesota campus. On November 16, Isaac Hanks was elected the second Regent and Jack Haynes replaced him as Scribe. The meeting room was often called the "Hammer and Tong Room" and served as the forerunner to today's Constitutionally required chapter headquarters.

On January 17, 1906, Alpha Chapter minutes record that the official public name of the Society was to be changed to Theta Tau although among the Brotherhood the old name was to be always used. A design for the H & T shield was also adopted that year.

The first official mention of a Fraternity pin took place on February 28, 1906. At that time Regent Hanks appointed himself and Brother Haynes to a "Pin and Shield Committee." It is interesting to note that Scribe Haynes, while recording the minutes, consistently misspelled the word shield – instead he used "schiold." Finally on page 29 of the minutes book he shows the erroneous "c" crossed out!

Secret highsigns were first discussed on March 3rd of that year. Brothers Walter Wheeler and Jack Haynes were appointed to "... manufacture ..." an acceptable sign. Also, the design of the present shield was accepted on March 14th as the Scribe recorded:

"Matter of Shield was again brought up. Moved, seconded & carried that shield #7 be accepted & that motion of last meeting be stricken from minutes."

The reference to the last meeting regards the fact that *another* shield had already been accepted. Unfortunately our records do not show how this first shield looked. So the Fraternity has had two official shields – one lasting only seven days (from March 7 until March 14, 1906). Design number seven was that of Arthur Larkin, Alpha '08.

1

Minutes of meeting Nov. 22, 1904.

Meeting called to order by the regent. Constitution and by laws given out in detail and fully discussed. Moved and seconded that the scribe write and amend -ment to Article III Section II of the constitution, relative to period of active membership. Names of desirable members placed before the society. E. R. Edgerton initiated. Meeting adjourned.

These words constitute the first entry in the first minutes book of Alpha Chapter.



The first badge design was accepted in March, 1906. That design consisted of a striking gold skull with garnet eyes and the letters Θ and T inlaid in black enamel on the forehead. Under its jaws were the crossed hammer and tongs so symbolic to the Society. Founder Vinal was credited with its design. The official jeweler was authorized to provide badges to those men who presented a duplicate copy of a

Jan. 17. 1906.

Meeting called to order by the Regent. Roll call. Absent, Bros. Haynes, Kennedy, Larkin. Idea of changing name of society in public discussed. Moved and carried that scribe be instructed to amend Art. I. Sec. I of the constitution to read "The Society shall be known as the Society of Hammer & Tongs of the University of Minnesota and this name shall be publicly represented by the Greek letters ΘΤ." The Regent volunteered to type write letters to the alumni which the scribe could send. Final vote on Gopher representation Yes. 7. No. 6. Motion lost. Adjourned. E. P. B. pro tem.

Jan. 24. '06.

Meeting called to order by the Regent. Roll call. Absent, Bros. Larkin, Haynes, Kennedy, Chandler, McKee. Moved and carried to have meeting party in the ΘΤ Room on Monday, Feb. 5. '06. Moved and carried that the society have an informal supper down town on Feb. 10. '06. Moved and carried that shield committee make their report on final selection of the shield at the next meeting. It was decided not to hold the weekly meeting during exam. week. Adjourned. E. S. pro tem.

The name "Theta Tau" was first used on January 17, 1906, as shown by this excerpt from the Minutes of Alpha Chapter.

Ritual of THETA TAU

Written by
Erich J. Schrader, Alpha '05
Grand-Regent.

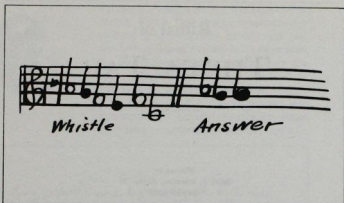
☞ Accepted by the Convention
of the Fraternity, held in Minn-
neapolis, Minnesota, February
23, 24 and 25, 1911.

Printed under the personal supervision of the
Grand-Treasurer.

The cover page from a copy of the earliest remaining Theta Tau Ritual. Only two copies of this edition are known to exist and both are in the Fraternity Archives.

special form signed by the Regent. This form bears the earliest use of the H & T coat of arms. This badge was later replaced by the present design.

Copies of the earliest Ritual do not exist, nor is the content known. This is because an enlarged revision (similar to that edition presently in use) was adopted. According to old minutes, all copies of the original Ritual were ordered destroyed. How symbolic – but also, for us as students of Theta Tau history, how unfortunate!



The early Ritual contained a whistle which served as a secret sign of recognition. This photograph is from an overleaf of an early 1911 edition and shows the musical notes handwritten by a member (whose name is unknown).

The enlarged Ritual was first read at a meeting of the Southwestern Alumni Association in Globe, Arizona, in 1909. This effort was chaired by Erich Schrader who, as seen by this action, maintained a strong control and influence on the fraternity's activities then and throughout his life.

Beta Chapter was organized as the result of the efforts of three students at the Michigan College of Mines. "Gabe" Bishop entered school in 1903, Albrecht Hasselbring and Charles Kumke in 1902. During a party to which selected men were invited, the three decided to organize a club with the name Rhombohedron. Symbolically, the three sponsors of the party would represent the three planes of symmetry, and the six other men present were to be the six faces of a rhombohedron. The club continued after the original three left school. Two (Hasselbring and Kumke) were to return later.

In the meantime, the Rhombohedron Club grew and prospered. During the summer of 1904, Brother McCormick had taken over the old Martin boarding house near the campus, and had invited the other Rhombs to move in with him. Club rooms were outfitted in the basement. This new development did not prove entirely satisfactory, however, and after one year the club rented the Pryor House on Ruby Street. This turned out to be a most constructive move as the club atmosphere was replaced by the cozy feeling of a home.

The Beta Chapter days were just around the corner. The Rhombohedron membership had been built up with men of strong and likable character. The names of Hopkins, Potter, Burke,

Anderson, Downing, Andrews, Earling, and others, were assurance that the affairs of the young chapter would be in good hands.

Ike Hanks, one of the Fraternity Founders, spent the summer of 1905 in Houghton and became acquainted with Bob Downing, who belonged to the Rhombohedron Club. Hanks told Bob about the Hammer and Tongs Fraternity at Minneapolis. Soon correspondence between the club and that Fraternity led to an invitation to join them. During the spring vacation of 1906, Downing and Andrews went to St. Paul, where they were initiated into the Society of Hammer and Tongs. They then returned to Houghton and initiated the balance of the members on March 26, 1906.

Copy for Alpha chapter.



March 31 1908.

We, the undersigned Executive Council of the Fraternity of HAMMER AND TONGS, do hereby appoint Robt.L.Downing and Verth E.Andrews delegates of the fraternity at large, and authorize them to initiate the members of the Rhombohedron Club of the Michigan College of Mines, and such men as may be pledged at the present time.

Also they are hereby empowered to act as Regent and scribe of the Beta chapter of the fraternity, and to perform all the duties of such officers until such time as said offices may be filled constitutionally, which shall be at the first regular business meeting of the chapter.

Signed:

Pres.

This document was an authorization for the initiation into Theta Tau of members of the Rhombohedron Club at Michigan Tech.



This is to certify that Fright, Key & Co. of Detroit, Mich.,
are hereby authorized to deliver badges of the Fraternity
of HAMMER AND TONGS, upon presentation of a duplicate of this
order.

Signed:

Early members obtained their badges following presentation of an authorization such as the one above.

At the end of his sophomore year, accompanied by Elwin L. Vinal, William Murray Lewis transferred to the Colorado School of Mines at Golden, Colorado. His active participation in Hammer and Tongs was curtailed, at least temporarily. It was later that he organized a group of engineers called the Square Set Club. In the spring of 1907, on his way to Mexico, Founder Schrader stopped in Golden and met the Club's members. The petition of the Square Set Club was accepted, and **Gamma Chapter** was installed, November 8, 1907. The Fraternity then had three chapters.

For a number of years the first three chapters, with the help of the Southwest Alumni Association, together wrote the Ritual, Constitution and Bylaws which with the pledge button, coat of arms and the official badge were adopted at the first national Convention held in February, 1911, in Minneapolis, Minnesota. At this Convention, it was decided to change the name from Hammer and Tongs to Theta Tau. During this Convention, Erich Schrader was elected Grand Regent; John Lowell of Gamma, Grand Vice-Regent; Herman Hopkins of Beta, Grand Scribe; Ben Walling of Alpha, Grand Treasurer; and Charles Kumke of Beta, Grand Marshal. The names of those to follow as members of the Executive Council are listed in the Appendix. More about these members later.

TO THE ALPHA CHAPTER OF HAMMER AND TONGS
UNIVERSITY OF MINNESOTA.

We, the members of the "Square Set Club; of the Colorado School of Mines, situated at Golden Colorado: realizing the many advantages of a closer union between the great engineering branches; as well as the engineering schools: Respectfully petition you for a Charter to establish a local chapter of Hammer and Tongs in this school.

This matter has been presented to the "Square Set Club" by Murry^d Lewis, a former member of the Alpha Chapter and we refer you to him as to the advisability of establishing a chapter of "Hammer and Tongs" in this school, and as to the character and fitness of the applicants to become members of "Hammer and Tongs"

Signed.

W. M. Lewis
C. M. Houlburt
William Harris -
F. F. Frick
J. B. Lowell
Leslie P. Clapp
Ausley A. White
Roy C. Curtis
W. D. Carey
Paul Reed
G. M. Rupert

The petition from the Square Set Club at the Colorado School of Mines. This group was the beginning of Gamma Chapter of the Fraternity.

An early letter from Founder Erich J. Schrader.

Jan. 5, 1918.

To the Chapters of

Hammer & Tongue,

Fraternities:-

At the 7th annual reunion of the S-W Alumni Assoc. of H & T we were asked to write you a letter suggesting the changes which we think advisable to make in the ritual of our fraternity.

I think we all agree that we do not want any horse play in our ritual and we have received a letter from Alpha in which they express themselves opposed to anything of that kind. As it is certain that the members drawn into H & T are generally much older than those which are initiated into the general fraternities at other colleges, it is certain that we can dispense with such horseplay as is customary.

We would suggest that our ritual be divided into two main parts.

Part one:-

This should be an introduction of the candidate to chapter, a reading of those articles which prohibit membership in other fraternities competitive with H & T, the question of white birth and then in place of horseplay it has been suggested that there be a short examination of the candidate on engineering lines which should be conducted in all seriousness to determine "his qualifications for membership".

For instance one question Bro. Fenwig suggested illustrates what we mean:- "There does the S-W cross the Rock Island R.R." or "What effect does the usage of shins or mosquito timbers have in a vat shaft in other words, think up ten or twelve questions (as which since there are always more than one candidate) only one or two would be asked of each one. These questions being practically unanswerable, off hand.

After that there should follow a history of H & T, a history of the expression H & T, and a general charge by the Parent as to the place in life of an engineer and the particular relation to the profession of this fraternity. This should be preceded by an oath covering the above points only.

Part two:-

This should take up the real ritualistic work of the fraternity, policy of H & T, detail explanation of oath of allegiance, etc. also a detail symbolic description of the pin and its relation to the part of arms. We believe that there should be at least five, if not more, high signs and these should be varied as well as similar to those not in use, so that they can be used in ordinary conversation. There should be characteristic answers to the question "Is this an H & T sign" or "Is this a member of H & T".

We also believe that it would be a good thing to have the ritual be read in public and the other only in chapter meeting. As at gatherings where all are H & T, to be H & T. We think that the ritual should be learned by all. It is not hard and is not too long. It is not at all that it will be hard to learn and it is certain all other fraternities have to contend with.

There are cases where the knowledge of our whistle will be of the greatest possible use.

In addition to the above we suggest that certain parts of the ritual be learned by each candidate and we think that before a stranger brother is admitted to chapter meeting he should be examined by a committee and proven a member of E. A. S.

I feel that our initiation can be made very impressive. The latter that at least the Parent and the People were given, the former one I drank red and the latter, black; is a very good one. I hope that the above will give the chapters a line on which to work. It will be able to act as a committee to look over the rituals presented and give up a composite which will meet with general favor. To have the center by later and are not just willing to get those from the other chapters without thinking ahead. You should also consult as many of your local as possible.

As soon as we can get the chapters to agree on a policy so that they will be sure that a good crowd at some school is not turned down by one of them, we can undoubtedly get new chapters. We should have been afraid that it would be useless for us to talk to alumni from other schools with whom we are acquainted and have them try to interest some of the schools they graduated from because of the persons given above. Mr. Krug says that he thinks he can get us started at Lehigh that that school is not large enough to support a chapter in similar view. It is also possible that we can do something to ward getting a start in Col. or perhaps Stanford, as there are many of their graduates in the A-2.

We would like to know if any progress has been made towards getting a chapter into U.S. School of Mines.

To think that the amendments to Sect. 8 of our Constitution as proposed by Alpha last spring will settle the misunderstanding and re-urge their adoption by the whole Fraternity.

Trusting that the above suggestions will help the chapters towards settling the questions confronting us, we will leave their adoption to them. We believe that the active chapters are best qualified to draw up a ritual as they are daily meeting with the questions involved but we will be always at your service in case you want any advice or help.

With best wishes for the New Year, we are,

Fraternally yours,

E. J. Hader (Sole "I")
(Wm A. Hamke) (Sole "I")
Committee

II

EXPANSION

EXPANSION

The first three chapters served as the foundation for the Fraternity's growth to other universities. The growth over the years has been affected by several factors which include national economics, wartime, and the budget of the national Fraternity. Additionally, the fact that Theta Tau limited its membership to engineering men (only since 1977 have women been allowed as members) has affected expansion.

Presented here is a very brief account of the highlights of the establishment of the Chapters which followed the first three.

Delta Chapter, at the Case Institute of Technology, was the outgrowth of a local mining society, Mu Sigma, which had been founded in 1909. In December of that year, delegates from Mu Sigma and others met in Minneapolis to form a national mining fraternity called Sigma Kappa Alpha. By 1911, Case was the only remaining chapter of that society. The Chapter petitioned Theta Tau and was granted a charter on May 23, 1911. As a result of the chapter's improper operation, a split occurred in 1923. In reorganizing the chapter, Professor F. R. "Count" Van Horn, Delta Hon. '92, played a major role as Adviser.

Epsilon Chapter began in February of 1911 when a group of nine University of California students met at the Theta Delta Chi house in Berkeley to bring about a closer union of geology and mining students. After four meetings of this local, nameless society, under the chairmanship of Ralph Countryman, '12, a petition to Theta Tau was submitted and Epsilon Chapter was soon chartered with George D. Louderback, '96, as one of the charter members. He was later to become the Fraternity's second Grand Regent. The installation occurred at the Phi Gamma Delta Fraternity house on May 4, 1911, although the charter bears the date May 1, 1911. It is interesting that although the charter was voted to Delta before Epsilon, the latter chapter was actually installed ahead of Delta. Epsilon is therefore the fourth oldest chapter of Theta Tau. Sadly to say, Epsilon became inactive in 1975 after trying unsuccessfully for years to attract an adequate number of engineering students.

Zeta Chapter began with the founding of the Tunnel and Shaft Society at the University of Kansas on October 27, 1911. It was founded for the express purpose of petitioning Theta Tau for a charter, as a result of the acquaintance of Ross Parker, '12, with Founder Schrader's family. On April 17, 1912, the chapter was installed. A number of Zeta alumni have served the Fraternity as national officers; three of them as Grand Regent.

Eta Chapter was established at the Massachusetts Institute of Technology on May 23, 1912, as the result of the efforts of two

We, the undersigned members of the Executive Council of the FRATERNITY OF HAMMER AND TONGS, do hereby grant a special permission to the ALPHA Chapter to initiate as honorary member of said chapter of this Fraternity; Thomas Lesley Hinckley, Instructor in the College of Engineering of the University of Minnesota.

An honorary member of this Fraternity shall have all the privileges of membership except the right to vote on any national or chapter questions as provided for in the Constitution, or the By-Laws of the chapter to which he belongs, but he shall have the right to attend chapter meetings and the privilege of expressing his opinion on all Fraternity matters.

If, however, he should at any time become eligible to active membership, his position is defined and provided for in Article II, Sect. 2, of the Constitution of this Fraternity.

In witness whereof, we have hereunto signed our names this 12th day of April, of the year nineteen-hundred and eight, and of the founding of this Fraternity the fourth.

Fred W. Buck, Alpha. Charles J. Schuster XV! 2
Ray B. Ewing XI! Beta, Geo. Shepard Sec'y
W. M. Lewis, Gamma.

File in Letter Book of Alpha Chapter

As indicated in this early entry in the minutes of Theta Tau, Thomas Lesley Hinckley was chosen as the first honorary member.

Alpha and two Gamma alumni taking graduate work at MIT. It existed until the depression year of 1930. In its active period, Eta initiated 301 members, many of whom later achieved great prominence. One, J. Sidney Marine, '18, was the Fraternity's third Grand Regent.

Theta Chapter was started when a charter was granted to the Senior Mining Society at Columbia University. This society was originally an honorary one, and membership was regarded as a distinct honor. In 1914, the society became more liberal in its mem-

bership requirements as a result of student demand, and any mining student was considered eligible. Under the leadership of Ernest Klepetko, Beta '11, a past Regent of his chapter who was attending graduate school at Columbia, the group petitioned Theta Tau for a charter. As a result, the Senior Mining Society became Theta of Theta Tau when fifteen members were initiated on May 26, 1914. With the entry of the United States into World War I, the chapter began to falter as the members volunteered for service. Chapter functions were suspended, and the records given over to the Scribe. In 1920, the chapter was revived with the initiation of five members by a group from Eta. In 1957, because of the Fraternity's "white clause," Theta turned in its charter. It was reactivated in 1963, after the membership limitation was changed, but folded again in 1970.

Iota Chapter resulted from the efforts of two Delta alumni, Robert J. Anderson, '14, and E. Ross Housholder, '17. It was installed at Missouri School of Mines and Metallurgy in Rolla, on February 5, 1916, when eight of its ten charter members were initiated. In 1975, the charter was suspended, and later revoked, because of illegal initiations and failure to pay required fees and dues.

A graduate student in civil engineering, George A. Geib, Alpha '15, was the one who organized **Kappa Chapter**, installed on March 25, 1916 at the University of Illinois. From the start, the chapter was able to attract outstanding students, many of whom achieved greatness in their professional careers. During its 23 years of existence, it initiated a total of 455 members.

Lambda Chapter originated in 1908, as a group of engineering students at the University of Utah formed the U-Tech Club. Its objects and ideals were to enlarge upon and amplify technical and scientific knowledge. In order to foster good fellowship among the student members, it was also a semi-social organization. Theta Tau Fraternity was established at Utah largely through the efforts of Hubert L. Pascoe, Epsilon '20, originally of Salt Lake City. In 1919, he represented his chapter as Delegate to the national Convention. Brother Pascoe stopped in Salt Lake en route to the Convention, and while there he met some members of the U-Tech Club. Discussions followed, and in very short order, the U-Techs prepared, signed, and delivered a petition to Brother Pascoe, requesting membership in Theta Tau. According to reports, Brother Pascoe made a very convincing argument in favor of the petition, and without further ado, the Convention voted to grant the U-Tech Club a charter. Thus, in only a few weeks, the U-Tech Club became Lambda Chapter of Theta Tau on April 29, 1920. In 1974, Lambda Chapter ceased to exist due to lack of initiates.

Mu Chapter began because in 1914, a group of student engineers on the campus of the University of Alabama organized a club called

the "Engineers' Club." This club existed until November 15, 1919, at which time it affiliated with the American Association of Engineers. Since the A.A.E. took in all engineering students indiscriminately, the fraternal spirit of the organization, to a degree, disappeared. A group of twelve men felt the need of a strong fraternal organization and fostered this feeling, but took no definite steps until the beginning of the scholastic year of 1921 when they organized a club, called the "Castle Club," with the view of affiliating with a national fraternity. On January 3, 1922, this group became Mu Chapter of Theta Tau.

Nu Chapter was established on January 1, 1922, at the Carnegie Institute of Technology, Pittsburgh, Pennsylvania, and existed until 1948, when its charter was suspended. During the next biennium, because of the institution's insistence upon modification of the chapter's membership qualifications, Theta Tau reluctantly withdrew the charter. During its twenty-eight years at Carnegie Tech, Nu initiated 516 members.

Xi Chapter of Theta Tau at University of Wisconsin, Madison, was installed January 13, 1923, largely through the efforts of Ernest J. Schrader, Hon. '21, brother of Founder Erich Schrader. It became inactive in 1929. Seventeen years later, on October 29, 1946, a group of enterprising engineering students striving to promote a greater interest in the profession, organized as Gamma Mu Epsilon. The following year, on March 22, Theta Tau returned to the campus when Gamma Mu Epsilon was granted its request to reactivate the Theta Tau charter.

Omicron Chapter resulted primarily from the efforts of Paul L. Mercer, '21, who organized at the University of Iowa, the Mecca Club, later named Theta Sigma Delta. In 1921, a petition was made to Theta Tau which was approved some time later. Installation was on February 3, 1923. Contemporarily with Theta Sigma Delta, a local radio fraternity, Chi Delta Sigma, headed by Joseph W. Howe '24, was searching for affiliation with a highly regarded national organization. The high quality of the members of Chi Delta Sigma made them potential Theta Tau material. These two factors led to a merger and on May 20, 1926, the members and alumni of Chi Delta Sigma were initiated into Omicron Chapter. Brothers Howe and Mercer were later to serve as Editors of *The Gear of Theta Tau* from 1929 to 1961.

Pi Chapter was organized when, about 1920, a group of leading engineering students at the University of Virginia formed a local organization named "Epsilon Society." The men in this society were chosen for outstanding leadership in the Engineering School as well as for scholastic abilities, it being stressed that the two should play equal parts in their election to this society. This organization began a

search for a national engineering fraternity to which it could petition for a charter. In 1921, Theta Tau was petitioned. After much correspondence, in the spring of 1923, Epsilon Society was notified it would be accepted. Thus Pi of Theta Tau began on May 26, 1923. In 1976, it turned in its charter as a result of loss of recognition on the campus because Theta Tau did not yet allow women members.

Rho Chapter came into being because a professional engineering fraternity, Alpha Sigma Epsilon, was organized at the North Carolina State College, Raleigh, in 1917. A few years later, Judson D. Albright, Jr., Rho '21, started his correspondence with Erich J. Schrader and the local group decided to petition Theta Tau. The petition was discussed at the 1921 Convention of Theta Tau and granted at the Convention in 1923, with installation on February 16, 1924.

Sigma Chapter was organized in the fall of 1921 when a group of engineering students at the Ohio State University applied to the administration for recognition as "The Engineers' Club." This group wished to promote "... a professional engineering club wherein, through the bonds formed by social contact, they could broaden their technical training, widen their outlook, and advance in their chosen profession." Such recognition was granted, and in the year which followed the members spent most of their time drawing up a constitution and formulating policies for the club's operation. In the fall of 1922, the members recognized the need for a house if the objectives of the club were to be carried out. Therefore the club investigated the possibility of obtaining a house, and, in 1923, it was able to lease a house at 181 E. 12th Avenue from another fraternity at Ohio State. On April 10, 1924, the Club petitioned the Executive Council of Theta Tau for acceptance as a chapter of the Fraternity. This request was granted, and on November 29, 1924, the new chapter was installed. Among its charter members were two future Grand Regents, Russell G. Glass '24, and C. Ramond Hanes '24.

Tau Chapter of Theta Tau was formerly the Alpha Chapter of Tau Delta Sigma. Tau Delta Sigma was founded at Syracuse University in 1905 as a local professional engineering fraternity with the object of becoming national after suitable expansion. This intention was carried out by giving of charters to locals at Brown and Lehigh Universities. Partially because of World War I, and partially because these chapters did not keep in touch with the parent chapter, their organizations died. Still with the desire to unite with a national professional organization with a purpose of fostering fellowship and strong personal bonds among its alumni, Tau Chapter of Theta Tau was established. The chapter was formally installed on December 12, 1925.

Upsilon Chapter became a chapter because Delta Psi Fraternity

was organized at the University of Arkansas during the winter term of the school year 1918-19 for the purpose of promoting the interests of the College of Engineering, as well as fostering an interest in student activities. It was then known as the Engineers' Club. After a successful year, it was thought that the Club had attained a standing which would merit petitioning a national body for membership and on March 31, 1921, a petition was sent to the Executive Council of Theta Tau. At the Convention of Theta Tau, however, the petition was held over for further information. Realizing the deficiencies of the first petition, it was then decided to formulate a new and more complete petition.

During the fall of 1926, the members of Delta Psi revived interest in petitioning Theta Tau for a chapter at the University of Arkansas. Correspondence and personal association with two members of the national fraternity, Dr. R. J. Russell, Epsilon '19, from Texas Tech at Lubbock, Texas, and Professor C. V. Mann, Iota Hon. '14, of Rolla, Missouri, were continued for over a year. Finally, the men were rewarded for their efforts in December, 1927, and were granted a charter as Upsilon Chapter of Theta Tau. The first opportunity for the installation of the chapter was during the Easter holidays and, consequently, the installation was held on April 7, 1928.

Phi Chapter resulted from the founding of the Torque Fraternity, May 16, 1921, on the Purdue University campus. This was the first of many steps resulting finally in the formation of Phi Chapter. Twenty-eight electrical engineering students joined together for the purpose of gaining fellowship, strengthening the bonds of those in the engineering profession, and improving student scholarship. Very little time passed before a constitution was drawn up explicitly outlining the high standards and principles believed in by the founders. It was this initial constitution which was later found to have much in common with that of Theta Tau.

During the first year many changes were effected: officers were elected, a residence rented, help hired, and the constitution revised. (Constitution revision embodied opening membership to all engineering students.) In 1927, when Torque had shown it was an organization of high standards and ethics, a petition was made to Theta Tau for the establishment of a chapter at Purdue. This petition was granted, and the chapter was formally installed April 21, 1928.

Chi Chapter of Theta Tau was installed on April 23, 1930, at the University of Arizona. Pi Delta Tau, a local engineering fraternity, had petitioned Theta Tau for a charter. Although the name of Louis Fiscel, Chi '26, does not appear on the charter of Chi Chapter, his efforts as head of Pi Delta Tau were of great importance in the establishment of the chapter, as were those of E. S. Borgquist,

Lambda '11, and H. A. Jimerson, Zeta '26.

Psi Chapter's history dates back to 1931 when the local, Alpha Theta, at the Montana School of Mines, saw the advantages of a bond with a national fraternity. Upon examining several national engineering fraternities, Alpha Theta decided to petition Theta Tau. The correspondence then begun took well over a year before a letter of recognition was received from the Grand Scribe, Erich J. Schrader. Arrangements were completed and on May 7, 1932, Psi Chapter was installed.

Omega Chapter of Theta Tau was established at the South Dakota School of Mines on March 26, 1932. The prior organization, which led eventually to affiliation with Theta Tau, was the local fraternity of Phi Alpha Lambda, organized in 1920, with the distinction of being the first fraternal organization at the school. Although organized as a social fraternity, Phi Alpha Lambda had been interested in development along engineering lines. Consequently, the members, realizing the advantages of affiliation with a national professional engineering organization, petitioned Theta Tau Fraternity. The granting of this charter in 1932, established Omega Chapter of Theta Tau at South Dakota Mines, with the petitioning members of Phi Alpha Lambda as the charter members.

For some time prior to 1927, there was an apparent need for closer fellowship among the men enrolled in the several branches of engineering at the George Washington University. On April 28, 1927, a meeting was held at which was organized the professional engineering fraternity, Phi Theta Xi, which later became **Gamma Beta Chapter**.

With the strong backing and encouragement of both the school in general and the engineering faculty in particular, this fraternity flourished. The calibre of its men was such that, soon after its founding, both the real and imaginary barriers among students in the several branches of engineering were battered down. It was due to the unification efforts of this small handful of men that an activity known as the Engineers' Banquet was born on the George Washington campus.

In 1934, feeling the need for an even stronger fraternity, and at the suggestion of Norman B. "Deacon" Ames, '17, these men petitioned the Executive Council of Theta Tau for a charter. On March 16, 1935, Professor Ames realized one of his fondest dreams, that of being a founder of a chapter of Theta Tau. He later served as Grand Regent, and succeeded Founder Schrader as Grand Scribe.

Delta Beta Chapter resulted because Alpha Pi Fraternity was organized on March 16, 1926, less than a year after the founding of the Speed Scientific School as a division of the University of Louisville. Its co-founders, Dean Brigman and Professor Wylie B. Wendt,

Hon. '06, intended this fraternity to be of a professional nature, with membership limited strictly to engineers and composed of students with high scholastic standings and records of leadership and outstanding performance in general school activities. With these objects in mind, the selection of the several students who would individually meet these requirements and collectively form a homogeneous and harmonious group was undertaken. The details of organization were then quickly but thoroughly worked out and the first business meeting was held a few weeks later. In the late 1930's, this local group began corresponding with Grand Scribe Schrader, and as a result, a petition was finally submitted, and the installation of Delta Beta Chapter was conducted on May 20, 1939.

Epsilon Beta Chapter began as the result of a petition by a local fraternity Epsilon Sigma at Wayne University in Detroit (now Wayne State University). Its history began with the old Wayne Engineering Society. Some of the students of this society realized they were lacking the brotherhood present in a fraternity, and decided to form a fraternity which would be able to fill most of the social as well as professional needs of engineers. Thus, in 1928, seventeen members of the society formed Epsilon Sigma Fraternity. As the years passed, Epsilon Sigma became one of the significant organizations in the Engineering College. In 1950, its members realized they were lacking another important aspect of fraternity life — that of having brothers with similar goals throughout the country. Looking for a national professional engineering fraternity, Epsilon Sigma found in Theta Tau the ideals and desires for which it was searching. In the fall of 1950, Epsilon Sigma petitioned Theta Tau Fraternity, and was installed on May 19, 1951, as Epsilon Beta Chapter, with Charles E. Wales '53, a future Grand Regent, as one of the charter members.

Zeta Beta Chapter was installed nine years later, May 7, 1960, at Utah State University, Logan. Jay N. Thorpe, Lambda '57, interested a group of students in organizing as the Utah State Engineers Club to petition for a charter. Assisting in this activity were Robert E. Pope, Zeta '52, newly appointed Traveling Secretary; and Reynold K. Watkins, Lambda '44, and Fred J. Donkin, Lambda '44, who were on the faculty. Dean F. Peterson, '34, Dean of Engineering, and F. Garn Hatch '39, were also active in the formation of the chapter, and were among the charter initiates. Students David Bowser, '62, and Ralph Kangas, '62, were the first two charter members and Jack A. Grimmatt, '62, the first Regent. Due to lack of interest and initiations, the chapter ceased to exist in 1966.

Eta Beta Chapter was installed May 13, 1961 at the Cullen College of Engineering, University of Houston. A local student engineering club, Epsilon Nu Gamma, was organized in 1959 with the purpose of later affiliating with Theta Tau. Jerry Rix, '61, was

the group's first chairman. Professor William J. Leach, '50, Assistant Dean of Engineering, was the group's adviser, and was initiated as a charter member. At the time of the installation, Ned B. Cheshire, '62, was president of the group. Edgar A. Rapp, Jr., '62, was the first Regent

Theta Beta Chapter at the University of Washington in Seattle was installed on March 2, 1963. The chapter began as a local engineering fraternity called Epsilon Nu Gamma. It was organized in 1962 under the direction of Roy A. McCready, Psi '39, of the faculty, and Jay N. Thorpe, Lambda '57, then Grand Outer Guard, with the assistance of the Pacific Northwest Alumni Club which included Founders Vinal and Hanks among its members. The chapter's first Regent was James C. Chestnutt, '64. Due to lack of interest and initiations, the chapter ceased to function in 1971.

Iota Beta Chapter became affiliated with Theta Tau on February 15, 1964. This chapter grew from a local fraternity, Chi Sigma Phi, founded at the University of Detroit, March 22, 1922. With the help of Grand Scribe Pope, the first contact was made with the local fraternity in 1957 when Edward J. McGough, '57, was its President. Epsilon Beta Chapter was influential in Chi Sigma Phi's decision to seek affiliation. At the installation, thirty student and three alumnus members were initiated. Among the latter was Dean Clement J. Freund, '22, Chi Sigma Phi Moderator for many years, who was appointed Chapter Adviser. Richard A. Salturelli, '64, the last President of Chi Sigma Phi, became the first charter member, and first Regent of the new chapter.

Kappa Beta Chapter at Mississippi State University in Starkville resulted from extension efforts by members of Mu Chapter in the spring of 1963. A local fraternity was organized under the name of Mu Sigma Epsilon, and recognized by the University that fall. Quickly, it became involved in College of Engineering activities. Its petition was approved, and on November 21, 1964, the chapter was installed with the initiation of twenty-five members, including George A. Newbill, '65, Past President of Mu Sigma Epsilon, and James K. Upchurch, Jr., '65, first Regent of the new chapter.

Lambda Beta Chapter traces its origin back to a group of seven engineering students at Tennessee Technological University that began discussing the formation of a fraternity in the fall of 1965. They formed a local professional engineering fraternity, Sigma Delta Phi, granted recognition by the University in May, 1966. Its first President would later become Grand Regent of Theta Tau. He was Stephen J. Barth, '67, son of Howard J. Barth, Phi '38. The fraternity petitioned Theta Tau, and was certified as a colony on October 28, 1967, with W. William Thompson, Jr., '68, as President. Just eleven months later, September 28, 1968, the colony was

installed as a chapter. Its first Regent was Harvill C. Eaton, '70. Lambda Beta Chapter has continued the tradition, begun while it was a local fraternity, of maintaining a chapter house near the campus. It has also established a tradition of excellence, receiving the Schrader Award, as Theta Tau's outstanding chapter, for the fifth consecutive time in 1978, an unprecedented achievement.

At General Motors Institute, Flint, Michigan, **Mu Beta Chapter** began with the founding of Phi Epsilon Fraternity, March 15, 1964. Donald W. Antonow, Epsilon Beta '65, who had transferred to GMI, and Professor James B. Bay, Beta '54, were instrumental in bringing together interested engineering students under the leadership of John Bas, '67, in "A" section, and John Murray, '68, in "B" section, for the purpose of forming a local organization with the object of petitioning Theta Tau. The Convention in 1964 amended the Bylaws to provide for colony status as an optional intermediate step forward becoming a Theta Tau chapter. Accordingly, on September 25, 1968, Phi Epsilon was certified as the first colony of Theta Tau. Since GMI was still awaiting accreditation by the Engineers' Council for Professional Development, the Fraternity extended the colonization period for another three years beyond the fall of 1968. However, the Convention that December amended the Constitution to allow installation of a chapter at a school without ECPD accreditation under special conditions. Accordingly, the colony petitioned, and on August 2, 1969, the chapter was installed with the initiation of fifteen of the twenty charter members, followed by the largest initiation in Theta Tau history as fifty-five others became student and alumnus members of the Fraternity. Subsequently curricula at GMI were accredited by ECPD.

Nu Beta Chapter at the University of Wisconsin - Platteville, resulted from the efforts of Allan T. Mense, Chi '68, a graduate student at the University of Wisconsin - Madison, and student members of Xi Chapter who visited in Platteville to develop an interest in Theta Tau among engineering students there. The result was the formation of Mu Beta Fraternity which successfully petitioned Theta Tau and was certified a colony on May 6, 1973. Two years later, on April 26, 1975, it was installed as a chapter with the initiation of ten charter members and twenty-five others. Kenneth G. Fries, '75, became the first Regent of the new chapter.

III

NATIONAL ACTIVITIES

NATIONAL ACTIVITIES

Most of the history of the Fraternity is contained in the activities of the individual chapters. However, the direction of these chapters toward common goals, and in a cooperative manner, comes from the national Fraternity. National policy making has generally taken place at the Biennial Conventions of Theta Tau. At these gatherings, students and alumni meet to discuss and legislate. Guidance and continuity is assured by the Executive Council which in recent years has held interim meetings. It has been at these meetings that long-term planning has resulted in new directions for the Fraternity.

Fraternity operations were greatly curtailed during World War I (1917-1918) and World War II (1941-1945). National Conventions were not held, and terms of national officers were extended by necessity. Chapters were affected as the pool of potential members dropped. National Fraternity actions of note were the elimination of the "white clause" in 1958, and the creation of a full-time administrative position beginning October 15, 1959, with the title Traveling Secretary. On January 1, 1963, this position became that of Executive Secretary as this officer assumed responsibility for the day-to-day operation of the Fraternity at the national level.

The position of Student Member of the Executive Council was created in 1970.

Of recent importance was action taken at the 1976 Convention (implemented in 1977) to allow women membership. This change in the Constitution and Bylaws was fostered by chapters that felt the time had come for women members, and also by the U. S. Department of Health, Education and Welfare regulations implementing Title IX of the Education Amendments of 1972 which forced schools to discontinue recognition of student organizations (other than social sororities and fraternities) that limited membership on the basis of sex.

Over the years, a total of 22,645 members have been initiated. Of these, 3,977 are known to be deceased.

The first alumni association was the Southwestern organized in Douglas, Arizona, in 1908. Records are sketchy, but it is known that it prospered, became inactive, and was then reactivated in 1933. It is currently centered in Tucson. The next alumni association was organized in Chicago in 1910 with H. H. Hopkins, Beta '08, President; C. D. Peacock, Beta '08, Vice-President; and George M. Shepard, Alpha '09, Secretary. The Twin City Alumni Association was organized in 1912, and over the years has played a significant role in advising Alpha Chapter. The fourth was the Cleveland Alumni Association, dating from 1913. Subsequently, over the years, charters have been issued to the following alumni associations: Intermountain (Salt Lake City), (Metropolitan) New York, Pittsburgh, Central

(Ohio), Los Angeles, Northwestern (Montana), St. Louis, Kansas City, National Capital, Detroit, Pacific Northwest (Seattle), and Houston. Alumni clubs have been authorized in Louisville (Kentucky), Fort Wayne (Indiana), Little Rock (Arkansas), North Alabama, Wisconsin, Central Florida, Eastern Iowa, and the Greater Nashville Area (Tennessee). Through the years, the Southwestern, Twin City, and Detroit Alumni Associations have experienced long periods of continuing activity.

Twenty badges of the initial design, described in Chapter I, were manufactured in Minneapolis. The first was Brother Schrader's. It was later lent to an early Beta member who had the misfortune to lose it. Wright, Kay, and Company of Detroit was then designated as the official jeweler, and about two hundred badges of this design were issued to members. The First Convention (1911) replaced this with the present gear wheel design created by Edward H. Snyder, Beta '11. The first badges of this new design were manufactured by The Hoover & Smith Co., Philadelphia. The L. G. Balfour Company of Attleboro, Massachusetts, was the Fraternity's official jeweler from 1923 until 1977. Since that time, J. O. Pollack & Co., Inc., of Chicago, has provided Theta Tau jewelry. Since 1976, it is no longer mandatory that each initiate own a badge, although it is still required

that each student member have a badge to wear. (It may now come from a pool owned by the chapter.)

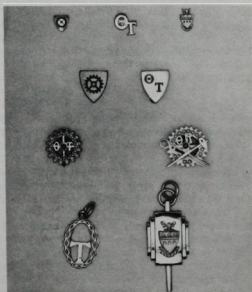


Over the years, an array of insignia has been developed by the Fraternity. The two newest, the colony pin, and the flag, were adopted by the Convention in 1964. The latter is described as a rectangle arranged horizontally and divided into four equal quadrants. The upper right and lower left quadrants shall be fields of gold; the other fields of dark red. On the upper left quadrant shall be the coat of arms in full color, and on the lower right

quadrant the Greek letters "ΘΤ" in gold.

The Fraternity's magazine began as an annual "Chronicle of the Fraternity in General" titled "Hammer and Tongs." Published under the direction of Beta Chapter, the first issue was edited by Herman H. Hopkins, Beta '08. It consisted of 32 printed pages plus cover, about 4½x6 inches. It began the tradition of including a directory of members. In 1909, the magazine was first titled "The Gear," and its page size was increased to 5¼x7½ inches. Charles B. Cameron, Beta '10, edited the 1909 and 1910 issues; and Harry M. Turner, Beta '11, the 1911 issue which was the first to bear the full name

"The Gear of Theta Tau." The 1912 issue was edited by Theodore J. Welcker, Beta '11. As noted in Chapter I, the Second Convention, in 1913, made the magazine the official organ of the Fraternity; and Jack E. Haynes, Alpha '08, was appointed Managing Editor, serving in that position for the next two issues. He was to be succeeded by Henry Matchett, Alpha '13, for the next issue; and then by Otto C. Budde, Delta '12, who edited the annual magazine through the 1920 issue. The Fall, 1921, issue saw an increase in page size to 6x9 inches which was to be standard for the magazine for the next forty years. 1921 also marked the first time that there was a separate directory issue, "The Twelfth General Directory." Interestingly, the Editor that year was later expelled (for reasons unrelated to his service in this position). Frank E. Mooney, Alpha '23, then edited



Theta Tau Jewelry (left to right): First row: official recognition button, Greek letter monogram recognition button, coat of arms recognition button. Second row: pledge insignia, colony pin. Third row: sister pin, official badge. Fourth row: alumni charm, annual award key. The Founder's size coat of arms (1-1/8 inches in height) is also available with a ring at the top for use by members as an item of jewelry.

the magazine and the Thirteenth General Directory, 1923. Albert W. Morse, Alpha '25, followed him as Editor. For three years, beginning with the Spring, 1926, issue, Donald D. Curtis, Omicron Hon. '19, edited *The Gear of Theta Tau*, and produced the Fourteenth General Directory, 1928. He reorganized the magazine, and established the membership files still in use.

The Fall, 1929, issue was the first edited by Joseph W. Howe, Omicron '24, and Paul L. Mercer, Omicron '21, who were to serve as Editors of the semiannual magazine for a record 32 years. Their editorial efforts also produced the monumental Fifteenth General Directory in 1939. Rising costs and increasing size made it impractical for the Fraternity to continue regular publication of a directory. It was not until 1979, as a Diamond Anniversary project, that the next membership directory was published. For the first time, this Theta Tau Directory was also available in a hard-cover edition.

William E. Franklin, Zeta '57, edited the magazine, Fall, 1961, through Spring, 1969, initiating a number of changes, including a page size increase to 7x10 inches. He was followed by F. Garn Hatch, Zeta Beta '39, who edited one issue; James M. Walter, Phi '68, who served through 1975; Steven A. Williams, Lambda Beta '73; and Richard A. Rummelhart, Omicron '76, the current Editor-in-Chief.

With twenty-six other professional fraternities, Theta Tau joined in the founding of the Professional Interfraternity Conference in 1928. Two Theta Taus served this organization as President: Jamison Vawter, 1931-33, and Russell G. Glass, 1952-54. Another, Robert E. Pope, was secretary of the PIC from 1968 until Theta Tau withdrew from the organization at its Convention in 1976. Subsequently, the PIC merged in 1977 with the Professional Panhellenic Association to form the Professional Fraternity Association numbering 35 professional fraternities as members.

Pursuant to the proposal made at the Convention in 1935, Theta Tau's first Regional Conference was held in October, 1936, with Sigma Chapter as host. Over the years since, they have become regular biennial events held in alternate school years between Conventions. The number and boundaries of the regions have been modified from time to time. Currently there are four regions.

The Regional Conference program was strengthened with the creation of the position of Regional Director by the Convention in 1956. Brother William E. Franklin, Zeta '57, was the first to be appointed to this position by the Executive Council. Regional Directors are now charged with coordinating the Conferences, making chapter visits, and promoting extension.

Liaison with alumni has been improved through appointment by the Grand Regent of Alumni Field Secretaries, an idea adopted by

the Convention in 1974. The duties of an Alumni Field Secretary are to establish contact with each alumnus in his area, to coordinate alumni activities, and to welcome members new to the area.

Theta Tau was incorporated under The General Not For Profit Corporation Law of Missouri on June 7, 1977.

At each Convention, the Erich J. Schrader Award is presented to the chapter judged most outstanding during the previous biennium as indicated by the information contained in its Annual Report. This award is symbolized by a traveling heroic-sized plaque, and a certificate presented to the winning chapter. The hand-carved wooden plaque featuring the profile of Founder Schrader in bas-relief, was designed by Beta Chapter. The Founders' Award goes to the chapter making the greatest improvement. There are also awards to the chapters having the best display and best presentation at the Convention; and annual awards for best newsletter and best photograph.

Originated in 1941, the highest award the Fraternity confers upon a student member is the designation as a Convention's Outstanding Delegate, a selection made by the student delegates to the Convention. Also, at the Convention, the Executive Council, on behalf of the Fraternity, may present one or more citations to members in recognition of their valuable service to Theta Tau.

Two traveling plaques are presented at each Regional Conference. One is awarded that chapter making the best presentation on an assigned topic, and the other to the chapter whose members in attendance represent the greatest number of member-miles traveled to the Conference.

IV

IMPORTANT MEMBERS

IMPORTANT MEMBERS

Countless individuals have significantly contributed to the progress of Theta Tau. No history would be complete without a brief mention of a few of these.

Erich Julius Schrader was born in Bremen, Germany, in 1881. His family later moved to St. Paul, Minnesota, where he attended elementary and high school. He received a degree in mining from the University of Minnesota in 1905. After graduation, he practiced his profession in Mexico and the western states, always devoting much attention to Theta Tau. Founder Schrader established a record of service unequalled in the Fraternity's history. He served as its first Grand Regent until 1919, and then for thirty-five years as Grand Scribe. At its Founders' Golden Anniversary Convention in 1954, the Fraternity established the position of Counsellor to be held only by him. During his later years, he lived in retirement in Reno, Nevada, and then with his sister, Mrs. Thomas H. Niles, in Muskogee, Oklahoma. He never married. His unselfish service to Theta Tau continued until his death in 1962, at the age of 81. His brother, Ernest J. Schrader, a lawyer, was instrumental in establishing Xi Chapter. As a result, the Theta Tau Convention elected him as a honorary member of Theta Tau.

The second Founder, **Elwin LeRoy Vinal**, was born in 1886 in New Bedford, Massachusetts. At the end of his senior year in 1907, he left Colorado School of Mines where he and Founder Lewis had established Gamma Chapter. His long and interesting career included employment with the U. S. Coast and Geodetic Survey, and as an engineer with several private firms in the Seattle area, and with the Design Division of the Public Works Office, 13th Naval District. He was also self-employed in building and property development, and as a consulting mining and civil engineer. In 1909, he established on Mercer Island in Lake Washington near Seattle, the home where he and his wife, Grace, lived until his death in 1971. He was the last of the four Founders.

William Murray Lewis, the third Founder, graduated from Colorado School of Mines in 1907. His early professional work included assignments in mines and mills in Minnesota, Alaska, Colorado, Arizona, Nevada, and Mexico. In 1911, he joined the Stone and Webster Engineering Corporation. From 1924, he was associated with the Layne New York Company, Inc., serving in various positions, including that of President. Living in Drexel Hill, Pennsylvania, in retirement, he and his wife, Florence, celebrated their fiftieth wedding anniversary in 1963. He died in 1969.

Founder **Isaac Baker Hanks** was born in 1884. He graduated from the University of Minnesota in 1907. Following graduation, he was

employed in the lumbering and milling business in the northwest, and in Canada. Later, he located in Spokane, Washington, and operated the I. B. Hanks Lumber Company. Late in life, he was to comment that he had worn his Theta Tau badge every day over the years. In common with the other Founders, he maintained his interest in the Fraternity until his death, in 1967.

George D. Louderback, Epsilon '96, was born in San Francisco in 1874 and attended the University of California, receiving an AB Degree in 1896, and a Ph.D. in 1899. His career was spent at the University of California except for a short period at the University of Nevada. He retired in 1944. His association with Theta Tau began in 1911 when he was initiated as a charter member of Epsilon Chapter. He was elected Grand Vice-Regent in 1913, and served as Grand Regent from 1919 to 1925. During his tenure, nine chapters were installed. Louderback died in 1957.

J. Sidney Marine, Eta '18, grew up in Scarsdale, New York, and attended the Massachusetts Institute of Technology. After a period of service during the World War I, he obtained a degree in Machine Engineering in 1921. He spent his professional life as a free-lance tutor of students in Scarsdale. He began service on the Executive Council in 1921, served as Grand Regent from 1925-1927, and died in 1969.

Richard J. Russell, Epsilon '19, was born in Hayward, California, in 1895, and attended The University of California. His career was spent in teaching, almost entirely at Louisiana State University in Baton Rouge. In Theta Tau he served on the Executive Council first in 1923 as Grand Marshal, completing his service as Grand Regent in 1931. He designed and issued the first 5,000 Theta Tau membership certificates (shingles), and also designed the Theta Tau officer robes. He died in 1971.

Fred Coffman, Lambda '22, was born in Utah in 1894. He attended the University of Utah from 1915 through 1917 and after working for five years graduated from Stanford University in 1922. In Theta Tau, he served as Grand Inner Guard, Grand Vice-Regent, then Grand Regent from 1931 to 1935. His engineering career was spent with the Utah-Idaho Sugar Company, Pioneer Coal Dredging Company in Alaska, Duke University, and the WPA. He retired in 1960, and died in 1964.

Herman H. Hopkins, Beta '08, graduated from the Michigan School of Mines and Technology in 1908. He was raised in the Evanston, Illinois, area and returned there after graduation to enter the family business supplying building materials. Initiated as an alumnus member, Brother Hopkins was the first Editor of the Fraternity magazine, the first Grand Scribe, and the first President of the Chicago Alumni Association. He served as Grand Regent,

1935-37, and as Acting Grand Regent for 27 months during World War II, while Grand Regent Glass served abroad in the Navy. He died in 1976.

John M. Daniels, Nu Hon. '22, was born in Salzburg, Pennsylvania in 1897, and graduated from the University of Pittsburgh in 1922. He began his teaching career in 1922 at Carnegie Tech where he was initiated as an honorary member. His entire career in teaching was there, progressing from the Civil Engineering Department to Dean of Students. He was first elected to the Theta Tau Executive Council in 1931, and served as Grand Regent, 1937-39. He again served on the Executive Council, as Grand Marshal from 1949 to 1958. He died in 1973.

Russell G. Glass, Sigma '24, was born in 1906. He attended Ohio State University and was a charter member of Sigma Chapter. In his professional career he served as Sales Manager with the Stoker Division of the Pocahontas Fuel Company, Vice-President and Treasurer of Moore & Glass, Inc., and Vice Chairman of Macomber, Inc., Subsidiary of Sharon Steel, Inc. His service in Theta Tau continued, and he was elected to the position of Grand Outer Guard in 1933. He continued as Grand Inner Guard, Grand Vice-Regent, and then Grand Regent from 1939 to 1946. In 1940, he made a nationwide tour visiting nearly every chapter, and many alumni associations. Now retired, he lives in Perry, Georgia.

Ralph W. Nusser, Zeta '28, was born in St. Joseph, Missouri, in 1905. He then lived in Kansas City and attended the University of Kansas, graduating in 1928. For Theta Tau, beginning in 1935, he served on the Executive Council for thirteen years, including a term as Grand Regent (1946-48). His professional career began with the Chicago Bridge and Iron Company followed by the Kansas Highway Dept., Berger Manufacturing Company and Truscon Steel Company. In 1935, he joined the Sheffield Steel Company of Kansas City, and has lived there in retirement since 1972.

Norman B. Ames, Gamma Beta '17, was born in Richmond, Virginia, in 1896, and graduated from Mississippi State College. Beginning in 1920, he served on the faculty of George Washington University where he was, in 1935, initiated as a charter member of Gamma Beta Chapter. His service to the national Fraternity was lengthy, beginning in 1937 and continuing as Grand Regent, 1948-50. In 1954, he succeeded Erich Schrader as Grand Scribe. Later he was awarded a Fullbright Lectureship in Ceylon, and received a doctorate, his eighth earned degree, from the Swiss Federal Institute of Technology in Zurich. He died in 1960.

Donald D. Curtis, Omicron (Honorary) '19, was born in Greene, Iowa, in 1896, and graduated from the University of Iowa. After teaching at Clemson University, he joined the University of Iowa

faculty at which time he was initiated as an honorary member. He returned to Clemson in 1929, and taught there until his retirement. He was Editor for three years. His service on the Executive Council began in 1927, and continued through his term as Grand Regent, 1950-52. He died in 1966.

Jamison Vawter, Zeta '16, was born in Arkansas City, Kansas, in 1889, and graduated from the University of Kansas. During school, and following graduation, he worked for the Gulf-California-Sante Fe Railway. He taught for a while at the University of Kansas, and from 1922 until his retirement, at the University of Illinois. He served Theta Tau as Grand Treasurer from 1923 to 1950, and as Grand Regent, 1952-54. He died in 1959.

A Dexter Hinckley, Theta '25, born in New York City in 1902, graduated from Columbia University with a B.A. in 1925 and a B.S.E.E. in 1927. He taught at Columbia University until 1944 when he became Executive Director of the Illuminating Engineering Society which position he held until his retirement. He was first elected to the Executive Council in 1941, and served as Grand Regent, 1954-58. His home is in Guilford, Connecticut.

Charles W. Britzius, Alpha '33, was born in Rochester, Minnesota, in 1911. After completing high school he moved to the Minneapolis-St. Paul area, and graduated from the University of Minnesota. His professional life has been with Twin City Testing and Engineering Laboratory, Inc. which he founded in 1938. His service to the national Fraternity began in 1954. He was Grand Regent, 1958-62, and Grand Treasurer, 1962-76. He continues to be active in the Fraternity, and is looked to for counsel on national affairs of the Fraternity. His home is in Deephaven, Minnesota.

William K. Rey, Mu '45, was born in 1925 in New York City. He graduated from the University of Alabama in 1945, and earned a Master's degree in 1947. He served Theta Tau as Chapter Officer and Adviser, and on the Executive Council beginning in 1956. He was Grand Regent from 1962 to 1966. His professional career has been spent at the University of Alabama where he is now a Professor of Aerospace Engineering and Assistant Dean of Engineering. His professional activities are numerous and varied. He lives in Tuscaloosa, Alabama.

C. Ramond Hanes, Sigma '24, is a native of Ohio, born in 1905. He attended Ohio State University where he was President of the OSU Engineers' Club that became Sigma Chapter. He continued to be active in the House Corporation, and on the national level as Regional Director, Grand Inner Guard, and Grand Vice-Regent before becoming Grand Regent in 1966. He worked with the Ohio Highway Department throughout his career, and retired in 1973. He has been active in the American Society of Civil Engineers, and in

the National Society of Professional Engineers serving as State President and National Vice-President. He now lives in Lima, Ohio.

Charles E. Wales, Epsilon Beta '53, was born in 1932. He received his first degree from Wayne State University, an M.S. from the University of Michigan, and Ph.D. from Purdue. In Theta Tau, he was a charter member of Epsilon Beta, and later served on the Executive Council from 1956 to 1976, from 1968 to 1972 as Grand Regent. His professional career has been teaching, first at Wright State University and thereafter at West Virginia University, Morgantown, where he is Director of Freshman Engineering.

George G. Dodd, Zeta '60, was born in 1939. He graduated from the University of Kansas in 1960, completing his education with a Ph.D. from The University of Illinois in 1964. He has been employed by General Motors since that time, and is now Head of the Computer Science Department, General Motors Research Laboratories. He continued his service to Theta Tau after graduation, serving as Regional Director, and then on the Executive Council since 1964. He served as Grand Regent, 1972-76. A member of numerous honorary and professional societies, he resides in Warren, Michigan.

Stephen J. Barth, Lambda Beta '67, is a native of Indiana, born in 1941. A founder of Lambda Beta Chapter, he returned to Tennessee Technological University in 1968 to be initiated as a charter member of that chapter. He was elected Grand Outer Guard in 1972, and then served as Grand Vice-Regent before being elected Grand Regent in 1976. He is President of Howard J. Barth and Associates, Inc., Engineers and Architects, in Greensburg, Indiana, where he resides. He is active in the National Society of Professional Engineers and the American Society of Civil Engineers.

There are many others who have contributed significantly to the Fraternity over the years. The roster of Executive Council members includes many of these who never served as Grand Regent. And there were still others. One of these is **Joseph W. Howe**, Omicron '24. Born in 1903, he attended the University of Iowa, and played a role in the early history of Omicron Chapter. Upon graduation, he began his teaching career at the University of Illinois, returning to Iowa in 1931 where he served on the faculty until his retirement in 1971, serving both as official and informal Adviser to Omicron Chapter. For an unprecedented 32 years (1929-61), he served as Editor of *The Gear of Theta Tau* with his close friend, Paul L. Mercer, Omicron '21. He lives in Iowa City, Iowa.

Paul L. Mercer, Omicron '21, was born in Indianapolis in 1899. As a student at the University of Iowa, he organized the local fraternity which became Omicron Chapter. With Joseph W. Howe, Omicron '24, he served as Editor of *The Gear of Theta Tau* from

1929 to 1961. He also served on the Executive Council, as Grand Inner Guard (1941-46) and as Grand Treasurer (1950-62). He began his professional career with the Mississippi River Power Company (now Union Electric Company), and continued with it until his retirement. He died in 1970.

Robert E. Pope, Zeta '52, born in 1931, lived in Wichita, Kansas, as a youth. He earned the degrees B.S.Ch.E. and M.S. from the University of Kansas. He has served as Grand Scribe since 1956. In 1959, he was first employed by the Fraternity as Traveling Secretary, and since 1963, as Executive Secretary. Prior to that, he worked in the Engineering Department of Mallinckrodt, Inc. His home is in Creve Coeur, Missouri.

APPENDIX

APPENDIX

Schools At Which Theta Tau Chapters Have Been Established

University of Alabama — Mu
University of Arizona — Chi
University of Arkansas — Upsilon
University of California, Berkeley — Epsilon
Carnegie-Mellon University — Nu
Case Institute of Technology of Case Western
Reserve University — Delta
Colorado School of Mines — Gamma
Columbia University — Theta
University of Detroit — Iota Beta
General Motors Institute — Mu Beta
George Washington University — Gamma Beta
University of Houston — Eta Beta
University of Illinois — Kappa
University of Iowa — Omicron
University of Kansas — Zeta
University of Louisville — Delta Beta
Massachusetts Institute of Technology — Eta
Michigan Technological University — Beta
University of Minnesota — Alpha
Mississippi State University — Kappa Beta
University of Missouri at Rolla — Iota
Montana College of Mineral Science and Technology — Psi
North Carolina State University at Raleigh — Rho
Ohio State University — Sigma
Purdue University — Phi
South Dakota School of Mines and Technology — Omega
Syracuse University — Tau
Tennessee Technological University — Lambda Beta
University of Utah — Lambda
Utah State University — Zeta Beta
University of Virginia — Pi
University of Washington — Theta Beta
Wayne State University — Epsilon Beta
University of Wisconsin-Madison — Xi
University of Wisconsin-Platteville — Nu Beta

The Chapters of Theta Tau

Alpha	Founded October 15, 1904 515 Tenth Avenue, S.E., Minneapolis, MN 55414*	University of Minnesota
Beta	Established March 26, 1906 Box 77, Route #1, Houghton, MI 49931*	Michigan Technological University
Gamma	Established November 8, 1907 Box 13, Colorado School of Mines, Golden, CO 80401	Colorado School of Mines
Delta	Established May 23, 1911 Thwing Center 11111 Euclid Avenue, Cleveland, OH 44106	Case Institute of Technology of Case Western Reserve University
Epsilon	Established May 4, 1911 (Inactive)	University of California Berkeley, California
Zeta	Established April 17, 1912 1935 Heatherwood, Lawrence, KS 66044*	University of Kansas
Eta	Established May 23, 1912 (Inactive)	Massachusetts Institute of Technology Cambridge, Massachusetts
Theta	Established May 26, 1914 (Inactive)	Columbia University New York, New York
Iota	Established February 5, 1916 (Inactive)	University of Missouri at Rolla Rolla, Missouri
Kappa	Established March 25, 1916 (Inactive)	University of Illinois Urbana, Illinois
Lambda	Established April 29, 1920 (Inactive)	University of Utah Salt Lake City, Utah
Mu	Established January 3, 1922 P.O. Box AM, University, AL 35486 (#10 Bryce Lawn, Tuscaloosa, AL 35401)*	University of Alabama
Nu	Established January 1, 1922 (Inactive)	Carnegie-Mellon University Pittsburgh, Pennsylvania
Xi	Established January 13, 1923 1633 Monroe Street, Madison, WI 53711*	University of Wisconsin-Madison
Omicron	Established February 3, 1923 3115 Engineering Building University of Iowa, Iowa City, IA 52242	University of Iowa
Pi	Established May 26, 1923 (Inactive)	University of Virginia Charlottesville, Virginia
Rho	Established February 16, 1924 Box 5325, State College Station Raleigh, NC 27650	North Carolina State University at Raleigh
Sigma	Established November 29, 1924 1946 Indianola Avenue, Columbus, OH 43201*	Ohio State University

Tau	Established December 12, 1925	Syracuse University 1105 Harrison Street, Syracuse, NY 13210*
Upsilon	Established April 7, 1928	University of Arkansas 1322 West Cleveland, Fayetteville, AR 72701*
Phi	Established April 21, 1928	Purdue University 416 N. Chauncey, West Lafayette, IN 47906 *
Chi	Established April 23, 1930	University of Arizona 1614 East Speedway Boulevard, Tucson, AZ 85719*
Psi	Established May 7, 1932	Montana College of Mineral Science Student Union Building, Montana College and Technology of Mineral Science and Technology, Butte, MT 59701
Omega	Established March 26, 1932	South Dakota School of Mines 109 Kansas City Street Rapid City, SD 57701*
Gamma Beta	Established March 16, 1935	George Washington University School of Engineering & Applied Science The George Washington University 725 - 23rd Street, NW, Washington, DC 20052
Delta Beta	Established May 20, 1939	University of Louisville Theta Tau Box, Student Center, University of Louisville, Louisville, KY 40208
Epsilon Beta	Established May 19, 1951	Wayne State University 478 West Alexandrine, Detroit, MI 48201*
Zeta Beta	Established May 7, 1960 (Inactive)	Utah State University Logan, Utah
Eta Beta	Established May 13, 1961	University of Houston 7487 Santa Fe, Houston, TX 77061*
Theta Beta	Established March 2, 1963 (Inactive)	University of Washington Seattle, Washington
Iota Beta	Established February 15, 1964	University of Detroit 4026 West McNichols Road, Detroit, MI 48221*
Kappa Beta	Established November 21, 1964	Mississippi State University P.O. Box 2983, Mississippi State, MS 39762 (56 Park Circle, Starkville, MS 39759)*
Lambda Beta	Established September 28, 1968	Tennessee Technological University 513 North Walnut Avenue Cookeville, TN 38501*
Mu Beta	Established August 2, 1969	General Motors Institute 1210 West McClellan, Flint, MI 48504*
Nu Beta	Established April 26, 1975	University of Wisconsin- Ottensman Hall Engineering Department University of Wisconsin-Platteville Platteville, WI 53818

* Chapter House

The Executive Council Over The Years

Pre-First Convention	Grand Regent	Grand Vice-Regent	Grand Scribe	Grand Treasurer	Grand Marshal	Grand Inner Guard	Grand Outer Guard	Student Member
1911-13	Schrader (1904-11)	Earling (1906-11)	Hopkins (1906-11)	Walling (1909-11)				
1913-15	"	Lowell	"	"	Kumke Parker			
1915-19	"	Louderback	"	"	Rice			
1919-21	"	Vickery	"	"				
1921-23	Louderback	Marine	Schrader	Laurence				
1923-25	"	"	"	"	Davis	Anderson	Vawter Baldwin	
1925-27	Marine	Laurence	"	Vawter	Russell		"	
1927-29	Russell	Coffman	"	"	"	Coffman		
1929-31	"	"	"	"	Curtis	Van Veinburg		
1931-33	Coffman	Hopkins	"	"	"	"	Hall	
1933-35	"	"	"	"	"	"	Daniels	
1935-37	Hopkins	Daniels	"	"	"	"	Glass	
1937-39	Daniels	Glass	"	"	"	"	Nusser	
1939-41	Glass	Nusser	"	"	"	"	Ames	
1941-46	"	"	"	"	"	"	Skovholt	
1946-48	Nusser	Ames	"	"	"	"	Hinckley	
1948-50	Ames	Curtis	"	"	"	"	Carter	
					Carter/Daniels	Edwards	T. C. Brown	
1950-52	Curtis	Hinckley	"	Mercer	"	T. C. Brown	Edwards	
1952-54	Vawter	"	"	"	"	Tribovich	Noxon	
1954-56	Hinckley	Donnelly	Ames/Pope	"	"	Noxon	Britzius	
* 1956-58	"	Britzius	"	"	"	"	Rey	
* 1958-60	Britzius	Rey	"	"	Lynch	Hanes	C. E. Wales	
* 1960-62	"	"	"	"	"	C. E. Wales	Thorpe	
1962-64	Rey	Hanes	"	Britzius	"	Thorpe	C. E. Wales	
1964-66	"	"	"	"	"	Thorpe	Thorpe	
1966-68	Hanes	C. E. Wales	"	"	"	Thorpe	Dodd	
1968-70	C. E. Wales	Thorpe	"	"	"	Dodd	Dealy	
1970-72	"	Dodd	"	"	Rey	Dealy	Thorpe	Collins
** 1972-74	Dodd	Dealy	"	"	Armstrong	Hribar	Barth	Herman
1974-76	Barth	Barth	"	"	Eaton	R. H. Wales	Daniel	Wallace
1976-78	"	Daniel/Eaton	"	Dozier	Eaton/Carlson	Carlson	R. H. Wales	Gray
	"	"	"	"	"	Newell		
1978-80	"	"	"	"	"	A. T. Brown	Newell	Slavik

* 1954-1962: Counsellor: Schrader

** Since 1972, the Delegate-at-Large (Immediate Past Grand Regent) has been officially a member of the Executive Council.

Members Who Have Served On The Executive Council

Ames, Norman B., Gamma Beta '17*	Hribar, Allan E., Phi '65
Anderson, Robert J., Delta '14*	Kumke, Charles A., Beta '06*
Armstrong, Fred E., Jr., Mu '61	Laurence, Phil J., Alpha '15*
Baldwin, Howard L., Lambda '07	Louderback, George D., Epsilon '96*
Barth, Stephen J., Lambda Beta '67	Lowell, James B., Gamma '08*
Britzius, Charles W., Alpha '33	Lynch, Richard, Epsilon Beta '53
Brown, Andrew Thomas, Mu '77	Marine, J. Sidney, Eta '18*
Brown, Theodore C., Rho '31	Mercer, Paul L., Omicron '21*
Carlson, Bruce E., Phi '74	Newell, G. Richard, Omicron '76
Carter, George W., Lambda '33	Noxon, R. Lowell, Sigma '49*
Coffman, Fred, Lambda '15*	Nusser, Ralph W., Zeta '28
Collins, H. Thomas, Eta Beta '70	Parker, Ross I., Zeta '12*
Curtis, Donald D., Omicron '19*	Pope, Robert E., Zeta '52
Daniel, John E., Mu '65	Rey, William K., Mu '45
Daniels, John M., Sr., Nu '22*	Rice, Herbert A., Zeta '97*
Davis, Rees W., Lambda '19	Russell, Richard J., Epsilon '19*
Dealy, John M., Zeta '58	Schrader, Erich J., Founder, Alpha '05*
Dodd, George G., Zeta '60	Skovholt, Joseph W., Alpha '31
Donnelly, Harold G., Epsilon Beta '36	Slavik, Donald H., Xi '78
Dozier, J. Steve, Lambda Beta '71	Thorpe, Jay N., Lambda '57*
Earling, Roy B., Beta '08*	Trbovich, Nick, Phi '37
Eaton, Harvill C., Lambda Beta '70	Van Velkinburg, Ralph W., Omicron '25*
Edwards, Frank, Omicron '28*	Vawter, Jamison, Zeta '16*
Glass, Russell G., Sigma '24	Vickery, Melville W., Delta '11*
Gray, Jon F., Delta '79	Wales, Charles E., Epsilon Beta '53
Hall, Hubert G., Lambda '18*	Wales, Ralph H., Epsilon Beta '54
Hanes, C. Ramond, Sigma '24	Wallace, Ronald S., Mu '75
Herman, Thomas R., Delta Beta '73	Walling, Benjamin J., Alpha '09*
Hinckley, A. Dexter, Theta '27	
Hopkins, Herman H., Beta '08*	

* Deceased

Record of Theta Tau Biennial Conventions

Officially Named to Honor Selected as Outstanding Delegate

Number	Year	Location	Officially Named to Honor	Selected as Outstanding Delegate
1st	1911	Minneapolis, MN		
2nd	1913	Houghton, MI		
3rd	1915	Cleveland, OH		
4th	1919	Cleveland, OH		
5th	1921	Lawrence, KS		
6th	1923	Iowa City, IA		
7th	1925	Columbus, OH		
8th	1927	Chicago, IL		
9th	1929	Minneapolis, MN		
10th	1931	Fayetteville, AR		
11th	1933	Chicago, IL		
12th	1935	Kansas City, MO		
13th	1937	Chicago, IL		
14th	1939	Chicago, IL		
15th	1941	St. Louis, MO		
16th	1946	Louisville, KY		
17th	1948	Chicago, IL		
18th	1950	Kansas City, MO		
19th	1952	West Lafayette, IN		
20th	1954	Minneapolis, MN		
21st	1956	Columbus, OH		
22nd	1958	Madison, WI		
23rd	1960	Detroit, MI		
24th	1962	Louisville, KY		
25th	1964	Columbus, OH		
26th	1966	Minneapolis, MN		
27th	1968	Tuscaloosa, AL		
28th	1970	Houston, TX		
29th	1972	Nashville, TN		
30th	1974	Indianapolis, IN		
31st	1976	Rapid City, SD		
32nd	1978	Columbus, OH		
			Jamison Vawter	
			H. H. Hopkins	
			John M. Daniels	
			Russell G. Glass	
			Ralph Nusser	
			Norman B. Ames	
			Founders' Golden Anniversary	
			Donald D. Curtis	
			George D. Louderback	
			Erich J. Schrader	
			Paul L. Mercer	
			A. Dexter Hincley	
			William M. Lewis	
			Isaac B. Hanks	
			Elwin L. Vinal	
			Charles W. Britzius	
			Charles E. Wales	
			Robert E. Pope	
			J. W. Howe	
			Max D. Crittenden, Epsilon '42	
			William L. Sparks, Chi '47	
			Donald D. Blanchard, Gamma Beta '48	
			Thomas E. Mutchler, Gamma Beta '51	
			Peter A. Minderman, Sigma '54	
			Robert E. Pope, Zeta '52	
			John M. Dealy, Zeta '58	
			George G. Dodd, Zeta '60 and	
			Raymond J. Sullivan, Gamma Beta '59	
			Jack A. Grimmer, Zeta Beta '62	
			Michael D. Martin, (Omega) Alpha '65	
			John E. Daniel, Mu '65	
			Anthony E. Filip, Epsilon Beta '67	
			Allan T. Mense, Chi '68	
			H. Thomas Collins, Eta Beta '71	
			Thomas R. Herman, Delta Beta '73	
			Frank T. Philpott, Pi '75 and	
			George Puls, Ill, Gamma '75	
			Andrew Thomas Brown, Mu '77	
			John R. McClellan, Mu '79	

Erich J. Schrader Award

Honoring the chapter judged to be the most outstanding.

Pi Chapter	1937-39
Beta Chapter	1939-41
Beta Chapter	1941-42
Mu Chapter	1946-47
Beta Chapter	1947-48
Upsilon Chapter	1948-50
Sigma Chapter	1950-52
Beta Chapter	1952-54
Chi Chapter	1954-56
Zeta Chapter	1956-58
Zeta Chapter	1958-60
Omicron Chapter	1960-62
Phi Chapter	1962-64
Phi Chapter	1964-66
Phi Chapter	1966-68
Epsilon Beta Chapter }	
Lambda Beta Chapter	1968-70
Lambda Beta Chapter	1970-72
Lambda Beta Chapter	1972-74
Lambda Beta Chapter	1974-76
Lambda Beta Chapter	1976-78

Founders' Award

Honoring the chapter showing the greatest improvement.

Rho Chapter	1972-74
Upsilon Chapter	1974-76
Tau Chapter }	1976-78
Nu Beta Chapter }	

**A Toast by Founder E. J. Schrader
at the Installation of Omega Chapter**

March 26, 1932

Brothers:

I am going to speak to you about professional fraternities and Theta Tau in particular.

The college fraternity is a fraternity whether it consists of engineering students, or medical students, or college students from any and all courses of study.

When it consists of students from all departments it is a general or a social-academic fraternity. When it restricts membership to students of one or several closely related courses of study, it is a professional fraternity. If it confers membership because of scholastic excellency as a chief requisite, it is an honor society. In addition to these accepted divisions there are a lot of national and local honorary societies which are an example of that useless over-organization which is a detriment to college life in general.

Theta Tau is a professional fraternity and restricts membership to engineering, but including geology because of its close connection with the mineral industry.* In government, in policies, in teachings and principles, the professional fraternity stands second to none. Its membership is usually more mature and its methods of selection depend on real fundamentals of character and ability, so that the group approaches the ideals of true fraternities which can justify their existence by their usefulness to the members.

The professional fraternity offers serious and lasting benefits to its members in that the contacts made possible are generally in line with the serious endeavors of its members and at the same time the fraternity should fully satisfy their social needs. The professional fraternity member is provided with a means of introduction to many in his profession. If the fraternity maintains a high standard, the mere fact of membership is a recommendation. Numerous incidents in Theta Tau can be recited where membership was a decisive factor in bringing advancement to alumni, and employment to recent graduates, which they would not otherwise have obtained.

A *fraternity* however, must have more than just a professional aspect to hold its members. There must be something more than a policy of good scholarship as proof of professional interest and as evidence of latent engineering ability. There must be a spiritual factor in which the members have faith. There must be an ideal that is rooted in the hearts of the members which they can apply in their

*Membership eligibility of those majoring in geology per se was dropped by the Convention in 1964.

daily intercourse with each other, and whereby they can measure up to those finer things in life that really count, and which will entitle them to be called MEN.

Our Constitution says that the purpose of Theta Tau is to develop and maintain a high standard of professional interest among its members, and to unite them in a strong bond of fraternal fellowship. All through the initiation, you were told that Fraternal Friendship is the greatest light in Theta Tau and that the principles of the Fraternity are advocated to make you worthy of such friendship.

Theta Tau should have chapters of more than average scholarship, it should stimulate a search for professional efficiency in its members, and it should inculcate the principles of ethical conduct in professional practice. It has been said that "professional ethics is a system of principles and rules concerning moral obligations and a regard for the rights of others." Of course a professional fraternity should teach such things.

To be sure, any technical society could advocate such practical and worthy objects, but a *fraternity* has the task of developing the character and ideals of its members. It searches much deeper into the hearts and minds of men. It seeks to limit membership to those who can be worthy of it.

If a candidate can measure up to the purely professional requirements, our next step should be to search his record and see if he is of that congenial type of man who will act as a brother should. Membership should not be given for trivial reasons. Our chapters should be beyond the youngest adolescent period of life. Campus stars, athletic heroes, those whose chief aim in life is to coach or sell bonds on their scoring ability, have no place in a professional fraternity. We must look to the personal and potential professional qualifications of candidates, and then we must emphasize the fraternal bond again and again, and that the whole basis of our Order is a close union of the members, a union that is to be enduring.

We must treat our Pledges as men, not as servants. We must accept them as being on probation but as equals, and we must so prepare them that to be a Theta Tau will be their dearest wish. Paddling, humiliating horseplay, brutal hazing, have brought the entire fraternity system into disrepute. Our Constitution prohibits them. They destroy, and they do NOT build a *true* friendship among MEN.

Professional fraternities sometime face certain dangers.

First

There is a tendency to imitate the social atmosphere of the general fraternities, and thus become simply campus clubs serving only social needs and having no professional standards. Such groups generally do not even have the respect of those they try to imitate. A professional fraternity should be more than a college boarding house

for social striving. "It should be an influence for the fostering of intellectual interest and achievement, and it should foster the kind of sociability which is contributive to fine personal power, and not destructive to it." Social training has its place in Theta Tau. Good manners and neat dress are an asset to the engineer. The Fraternity should teach their importance. They enable the young engineer to mingle with his equals and superiors without embarrassment.

Second

With certain professional activities there may be a tendency to make a chapter assume the status of a lecture bureau. A fraternity is in its nature a selected body of men. It should not attempt to sponsor speakers or professional programs for an entire student body except in a limited way, and thus usurp functions which rightfully belong to the student professional societies to which any student is eligible, neither should a fraternity assume duties that the professional faculty is too lazy to do.

Such a scheme destroys the *fraternity* idea. We have certain professional activities that are traditional in Theta Tau, but they are for members and pledges and are to train them to stand on their feet and discuss professional and other matters with ease and confidence. They are to develop the power of criticism and analysis of the thoughts of others, and they are to be exercised in the privacy of the chapter room among a group of sympathetic listeners so that the embarrassment of the novice will give place to the assurance of habit.

When a chapter of Theta Tau has an open meeting it should act as host. The meeting should be for invited guests and pledges, but most of the meetings should be closed and attendance should be one of the benefits and rewards of membership. If anyone can come to a Theta Tau educational meeting, one incentive for an ambitious and desirable student to be a member and serve the Fraternity, is removed by the Fraternity itself. Chapters of Theta Tau must cooperate with the faculty and college authorities but they should not accept burdens or assume privileges which are by right the duties of other organizations to which they as individuals may belong, and which they as individuals should support.

Third

There is a tendency to assume that professional fraternities are only upper-class honorary societies or semi-honorary groups, and not real fraternities in any fundamental way.

The members of the Professional Interfraternity Conference, of which we were one of the founders, are not honorary fraternities. In fact, we join with many others in feeling that most of these so-called honorary societies could be abolished with profit to everyone, including their own members. If the scholarship is high, they are

merely an imitation of Phi Beta Kappa and other recognized scholastic honor societies. If it is a so-called "activities" fraternity, it usually has no merit whatever and after graduation the pin or key is packed away with other childish toys so that not even the owner can find it again, for when you take the insignia away, what can the owner say he received from such an order? Theta Tau does not want its members to be mere pin wearers. They should have more than just a social or collateral interest in each other and in the Fraternity. They are to feel themselves members of a great engineering fraternity of definite object which is entitled to the active support and interest of every member. Who among us wants to say of Theta Tau when the badge is taken away there is nothing left? Surely, though the badge be gone, we ought to have left a rich memory of associations through our student days, of friendships that had their beginning in this Fraternity, and which neither time nor misfortune can destroy. To us the traditions and principles, as well as the practices of Theta Tau, should be living ideals that we can apply in every day life, and take pride in the fact that they are not entrusted to everyone.

The best professional fraternities advocate the maintaining of some sort of a chapter headquarters which will be a concrete habitation in which fraternal contacts can be fostered and to which alumni can return to revive them. This contributes to an atmosphere of being together where men are working to a common end, and which brings out in relief all these qualities which make a professional fraternity worthwhile. Great changes are taking place in the college world. We may possibly see a future time when no fraternity will live and serve meals in its own house, and where such houses will be used only for meeting places. In fact, this condition already exists at some colleges. Moreover, it is obvious that the local conditions at many schools may be such that a house where men may live is impractical if not forbidden. Chapters may exist at engineering schools where the student body is small, or where almost everyone belongs to some long-established chapter of an academic fraternity. In such a college, a professional fraternity should plan to build some sort of small hall, or maintain some sort of a club room which is theirs alone and where alumni can always find them.

The financial problems arising in a fraternity are in themselves a favorable training. It is obvious that the right-minded and decent student will pay his debts. I can assure you that a man's credit has much influence on his professional progress. Engineers who fail to meet their just obligations are received with a reserved judgment which is a handicap in all their business intercourse. Anyone can meet with misfortune, but there is an honorable and frank way to meet such situations with credit, and the true fraternity will not fail to help its loyal members.

"Active life in the Fraternity is but a period of apprenticeship and final control over traditions and administration is a prime responsibility of the alumnus." The active chapter builds the foundation because it selects the future members. The alumni build the superstructure because, in the larger world of engineering, it is the reputation of the alumni which makes the reputation of the fraternity.

The chief purpose of engineering education is to enable a man to earn a living. His contribution to science and to his country is a result of his professional activity. Our Fraternity should teach the engineering student "how to enrich his mental and moral life, to be more of a man, to be a real person, and not simply a cog in the machine of industry or the profession, including the teaching profession. Self-expression, affection, helpfulness, understanding, sharing joys as well as sorrows, all these are instinctive and human emotions." They lift the human being to a higher plane than just physical existence.

It is not the fine houses a fraternity may have, it is not in numbers, it is not in the prominence of the alumni, but it is in the fraternal bond, its teachings and practices, its unselfish and enduring friendships, by which you must measure its usefulness to the members. The foundation of this chapter rests with you, and may your successors have always before them a vision of that true Theta Tau, of which they, as well as we, should be the builders and protectors.

Finally, my Brothers, let me assure you that until and unless "you place yourselves in the position to be of active benefit to it, both as a student and as an alumnus, the Fraternity can never justify itself *to you*, because *you* will not *deserve* anything from it. The whole of life is like that."

A roll of industrious, of faithful and happy chapters, a prosperous, honorable and loyal alumni, that is a Fraternity in fact as well as name.

My Brothers, that is the Theta Tau we hope and strive for.

