



The

GEAR

of

THETA TAU



SPRING 1964

VOLUME LIII

NUMBER 2

THE EXECUTIVE COUNCIL

has authorized a formal plan for

VOLUNTARY CONTRIBUTIONS TO THETA TAU FRATERNITY

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

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

No minimum amount has been set, and all gifts are welcome. The form on page 44 is provided for those interested.



The Gear of Theta Tau

SPRING 1964

VOLUME LIII NUMBER 2

Board of Editors

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

J. W. HOWE

GARN HATCH

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Cover picture: The bell tower is on the campus of the University of Detroit, where a long-established local fraternity, Chi Sigma Phi, became Iota Beta Chapter of Theta Tau on February 15, 1964. The College of Engineering and Architecture dates back to 1911.

Photo credits: Cover, University of Detroit; pages 2 and 4, John M. Dealy; pages 6 and 8, Donald E. Seelys; page 7, Bill Riner; pages 15 and 19, Fabian Bachrach; page 20, Marvin Richmond.

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CHARTER MEMBERS OF IOTA BETA CHAPTER

First row: Vinod K. Bhasin, William J. Goga, Daniel G. Gaulin, Donald F. Noga, John J. Babel.
Second row: Ronald C. Read, Robert P. Adamezyk, John H. Colman, Richard A. Salturelli, Philip A. Falcone, William F. Grimm, Donald R. Morgan. *Third row:* Frederick C. Schwar, William J. Bagaria, Stephen J. Stelmak, Allan R. Shabet, Paul D. Sharon, Joseph R. Marino, Richard W. Bouchard, Matthew Cavallo. *Fourth row:* Dennis F. Boruta, Edward L. Putt, Edward M. Paddock, Joseph F. Breimayer, Paul M. LaHoud, Norman J. Beloin, Ralph J. Thomann, Paul M. Alt, Martin D. Mostyn.

The installation team brought together seven national officers of the Fraternity: Charles Wales, C. Ramond Hanes, Richard Lynch, William K. Rey, Robert E. Pope, George G. Dodd, and John M. Dealy.



Chi Sigma Phi Becomes Iota Beta Chapter

A 42-year-old local at the University of Detroit has joined Theta Tau. This outstanding event had seven national officers in attendance. Detroit becomes the first city to have two chapters of Theta Tau.

The installation of Iota Beta Chapter at the University of Detroit on February 15, 1964, brought the number of active Theta Tau chapters to 28. Chi Sigma Phi, a long-established local engineering fraternity, was granted a charter by vote of the Executive Council, active chapters, and alumni associations. This is the first time Theta Tau has had two chapters in one city and three chapters in one state.

History of Chi Sigma Phi

Chi Sigma Phi was founded at the University of Detroit in 1922. At the beginning, emphasis was placed on academic excellence, but later the interests and activities of the fraternity were extended to social, athletic, and cultural events. Since 1922, more than 400 members have been initiated.

Members of Chi Sigma Phi have always participated in engineering activities, including the Student Council of Engineering, the annual Slide Rule Dinner, and the High School Convocation of Engineering.

The first contact with Theta Tau was made in 1957. Grand Scribe Robert E. Pope visited the University of Detroit in 1960 and returned for two visits in 1963. In 1963 Epsilon Beta Chapter held a number of joint activities with Chi Sigma Phi.

The University of Detroit

The University of Detroit is a Catholic institution conducted by the Jesuit Fathers. It was established in 1877 and incorporated in 1881 under the title "Detroit College." The institution was reorganized in 1911 under the title of "University of Detroit." The uptown campus of the University is on a tract of 70 acres on McNichols Road at Livernois in a residential section. There is also an older downtown campus on East Jefferson Avenue.

The College of Engineering was established in 1911, becoming the College of Engineering and Architecture in 1957. In September 1963, 1,366 students were enrolled. All engineering curricula are accredited by ECPD. Undergraduate degrees are offered in civil, electrical, mechanical, chemical, and aeronautical engineering. In 1960 a program of study leading to a master of engineering degree without specialization was introduced. The school operates on the cooperative plan. Upon attaining junior status, students follow alternate schedules of study and industrial training.

The Installation

On Saturday, February 15, 1964, at 2:50 p.m., a Grand Chapter of Theta Tau was convened in the English Room of the Statler Hilton Hotel to install Chi Sigma Phi as Iota Beta Chapter. Members of the installation team were William K. Rey, Grand Regent; C. Ramond Hanes, Grand Vice Regent; Robert E. Pope, Grand Scribe; Richard Lynch, Grand Marshal; Charles E. Wales, Grand Outer Guard; John M. Dealy, Northern Regional Director; and George G. Dodd, Central Regional Director.

Initiated as charter members were: Richard A. Saturelli, Philip A. Falcone, William F. Grimm, John H. Coleman, Donald R. Morgan, Ronald C. Read, Robert Adamczyk, James H. Horn, Ralph J. Thomann, Paul D. Sharon, Stephen J. Stelmak, Martin D. Mostyn, Vinod K. Bhasin, Joseph F. Breimayer, Dennis F. Boruta, William J. Goga, Frederick C. Schwar, William J. Bagaria, Paul M. Alt, Matthew Cavallo, John J. Babel, Joseph R. Marino, Edward M. Paddock, Richard W. Bouchard, Donald F. Noga, Edward L. Putt, Norman J. Beloin, Paul M. LaHoud, Allan R. Shabet, and Daniel G. Gaulin. Eight additional charter



Dr. Harold G. Donnelly delivered the main address at the installation banquet; he received a standing ovation.

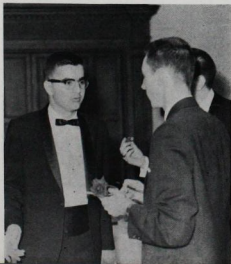


Grading the Chi Sigma Phi final pledge exams fell to Charlie Wales and Dick Lynch. They must be funny.



Seen at the head table of the installation banquet are Dr. Harold G. Donnelly, Epsilon Beta Chapter Adviser; Rev. Laurence Britt, S.J.; C. Ramond Hanes, Grand Vice Regent; and Prof. Clement J. Freund, Iota Beta Chapter Adviser.

Iota Beta's Regent Richard Salturelli receives the traditional red rose before the banquet.



Epsilon Beta Chapter supplied the traditional cigars to all present. Norm Beloin and Steve Stelmak seem to enjoy theirs.

members, prevented from attending the installation, will be initiated later in the spring. They are: Ronald R. Wesolowski, Raymond F. Brelín, Fred H. Downs, William P. Semenuk, Donald W. Dormstetter, Frank Siu, Thomas C. Werner, and William A. Heenan.

The following were then initiated as alumnus members: Clement J. Freund, Weldon T. Partridge, and James R. Carroll. Other Chi Sigma Phi alumni will be initiated later. Brother Freund was moderator of Chi Sigma Phi for many years, and will continue as adviser to the new Chapter. He recently retired as dean of the College of Engineering.

Installed as officers of Iota Beta Chapter were: Richard A. Salturelli, Regent; Philip A. Falcone, Vice Regent; William F. Grimm, Scribe; and John H. Coleman, Treasurer.

A number of Epsilon Beta actives and alumni were present. Alpha, Zeta, Iota, Mu, Sigma, and Phi Chapters were also represented by alumni at the installation and banquet.

Installation Banquet

A reception and banquet were held at 7:00 p.m. in the Michigan Room of the Statler Hilton Hotel. Grand Regent Rey served as toastmaster. The invocation was given by Fr. Malcolm Carron, S.J. Greetings from the University were brought by Rev. Laurence Britt, S.J., president, and

from the College of Engineering, by Prof. Freund. Grand Scribe Pope read greetings from Founders, national officers who could not be present, Past Grand Regents, alumni associations, and chapters. He also introduced the following, who brought greetings in person: Grand Vice Regent Hanes; Grand Marshal Lynch; Grand Outer Guard Wales; Northern Regional Director Dealy; Central Regional Director Dodd; Lawrence C. Boczar, president, Detroit Alumni Association; and E. Richard McIntyre, Regent, Epsilon Beta Chapter.

A highlight of the evening was the presentation of the charter by Grand Regent Rey to Iota Beta Regent Salturelli, who responded for his Chapter. The response for Chi Sigma Phi was made by Philip Falcone, vice president.

The main address of the evening was given by Dr. Harold G. Donnelly, Epsilon Beta Chapter Adviser and Past Grand Vice Regent of Theta Tau. His speech, entitled "H and T," was judged outstanding by all present. He made many possible interpretations of the meanings of these letters, and reviewed the work of several great men of science who got no credit for their greatest achievements. Following his speech, he was given a standing ovation.

Members of Iota Beta Chapter are already taking an active part in Theta Tau affairs. The Chapter was represented at the Eastern Regional Conference, reported elsewhere in this issue.

SIXTIETH ANNIVERSARY CONVENTION IN DECEMBER

The Executive Council has announced that the Sixtieth Anniversary Convention will be held in Columbus, Ohio, December 27 through 30, 1964. Sigma Chapter and the Central Alumni Association will act as hosts. The opening buffet will feature a keynote address. Other activities will include a campus tour, an initiation, and the Convention Banquet. Further details will be given in the Fall issue of *The Gear*. Alumni are encouraged to attend.

Five Regional Conferences Held This Year

Beta, Sigma, Gamma, Upsilon, and Epsilon Beta Chapters hosted the successful Conferences this year. Interest and attendance ran high in all Regions.

The chapters of Theta Tau—now 28 strong—recently converged on five host chapter sites for another round of biennial Regional Conferences. These Conferences, which originated many years ago, are chiefly financed from the general funds of the Theta Tau national treasury. They provide an opportunity for informal yet serious discussion of all aspects of the Fraternity's operations.

The 1962 Convention provided for five Regions to create a geographical grouping which would make travel distances as short as possible. All Conferences were well attended this year, and for the first time all five of our young and active Regional Directors attended the Conferences in their respective Regions. The Executive Council was represented also.

The panel discussion assumed a prominent place this year and was well received. At two Conferences, members of each chapter took part on each panel, rather than each chapter presenting a separate discussion as in the past. This proved to

be quite successful. The host chapters planned well-balanced programs of discussion sessions, informal discussion, banquets, and tours.

Following below is a report of the four Conferences from which information was available at *Gear* press time.

Northern Conference

Beta Chapter again hosted the Northern Regional Conference, held from November 28 to 30 at the chapter house in Houghton, Michigan. James Mitchell, Beta, served as conference chairman. Steve Weiss and Warren Kalmar acted as secretary and photographer, respectively.

All chapters in the Region—Alpha, Beta, Xi, and Omicron—were well represented. The Executive Council was represented by Executive Secretary Robert E. Pope and by Regional Director John M. Dealy.

The Conference convened on Thursday afternoon, November 28. After introductions were made, each chapter gave a report of its activities since the Convention.



This scene from the Central Regional Conference catches a group of men intently following a presentation of a panel discussion.



SOUTHERN REGIONAL CONFERENCE

First row: Tommy Kirk, Upsilon; Nevin Robbins, Upsilon; Ray Owen, Upsilon; Phil Lucas, Upsilon; Bobby Jones, Upsilon; Louis Hegeman, Upsilon; Vic Johnson, Upsilon; Charley Martin, Upsilon; Dave Gardner, Upsilon; Bill Miller, Upsilon; Bill Gibbs, Upsilon; Buz Arnold, Upsilon. *Second row:* Carl Gibbons, Upsilon; Bill Salter, Mu; John Daniel, Mu; Farouk Bajour, Upsilon; Jack Giles, Upsilon; Robert E. Pope, Executive Secretary; Fred E. Armstrong, Jr., Southern Regional Director, Birmingham, Ala.; Fred Himburg, Eta Beta; John Million, Iota; Bill Burchill, Iota; Rich Dagley, Iota; Will Litzler, Eta Beta. *Third row:* Ansel Condray, Upsilon; Rod Yates, Mu; Reese Burnett, Upsilon alumnus, Tuscaloosa, Ala.; David Laney, Upsilon; Rex Martin, Upsilon; Bob Moix, Upsilon; Ron Embry, Upsilon; David Holberg, Zeta; Wayne Patchin, Zeta; Gerald Lawson, Zeta; Wayne Norton, Upsilon. *Fourth row:* Micky Mayfield, Upsilon; Tran Alfrey, Zeta; Will Mixon, Mu; Jim Womble, Upsilon; W. T. Cotten, Upsilon; Roy Walters, Upsilon; John Floyd, Upsilon; Terry Henley, Upsilon.

Most of the remainder of the Conference was devoted to panel discussions, with one man from each chapter on each panel. This was in contrast to the individual papers presented at previous Conferences. Topics discussed were pledging, alumni relations, financial and housing problems, campus affairs and social activities, functions of chapter advisers and officers, and the national Fraternity.

Coffee breaks and informal gatherings were scheduled throughout the Conference. On Friday morning a tour of the campus was arranged, including the Mineralogy Museum and the Ores Research Laboratories.

On Saturday night a banquet was held at the Douglass House in Houghton. The master of ceremonies was Earl Volin, Gamma '33, head of the Institute of Mineral Research, and the main speaker was Dr. J. R. Van Pelt, Beta '22, president of Michigan Tech.

Southern Conference

The Southern Regional Conference was held in Fayetteville, Arkansas on February 29 and March 1 with Upsilon Chapter as

host. Ansel L. Condray, Upsilon, was conference chairman.

All chapters of the region—Zeta, Iota, Mu, Upsilon, and Eta Beta—were well represented. Regional Director Fred E. Armstrong, Jr. and Executive Secretary Robert E. Pope represented the Executive Council.

The out-of-town delegates were housed in the Mountain Inn Motor Lodge, where registration was held Saturday morning. Meetings were held in the Student Union.

The first event was a Ritual Workshop conducted by Brother Pope. At a luncheon at the Mountain Inn, Prof. J. R. Bissett, Upsilon '41, Chapter Adviser, was the speaker. Dean George F. Branigan, Upsilon '27, was a guest. The remainder of the afternoon was devoted to discussions, with each chapter taking an assigned topic. These were: chapter housing, Eta Beta; rushing and pledging, Iota; Fraternity improvements, Mu; alumni relations, Zeta; and chapter activities, Upsilon. During open discussion additional points were brought out on each topic.

A banquet was held Saturday night at the Mountain Inn. The speaker was Dr.

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James W. Green, Jr., Upsilon '27, vice president of the University of Arkansas. Brother Armstrong presented a check for first prize in the paper competition to William Mixon, Mu. Micky Mayfield, Upsilon, was awarded second prize.

On Sunday morning Upsilon Chapter presented an initiation ceremony.

Central Conference

Sigma Chapter hosted the Central Regional Conference at the chapter house in Columbus, Ohio, January 3 and 4. All chapters in the Region—Delta, Sigma, Phi, Delta Beta, and Epsilon Beta—were represented. C. Ramond Hanes, Grand Vice Regent, and George G. Dodd, Regional Director, represented the Executive Council.

Charles Wilson, Sigma, was the conference chairman. The opening meeting was called to order by Al DiCarlo, Sigma Regent. Sigma's Adviser, Dale Bussman, Sigma '56, gave the Conference's keynote address. Each chapter then reported on its activities since the Convention.

Panel discussions were moderated by a Sigma Chapter member, with a member from each of the chapters on the panel. Topics discussed were: pledging and rush-

ing, professional development, curricula eligibility, chapter housing, and alumni relations. Regional Director Dodd led a discussion of the ritual and a model initiation was held. The discussion on chapter-national relations was conducted by Grand Vice Regent Hanes.

Following the Friday afternoon discussions, a tour of the campus was conducted for those interested. Informal gatherings were held each evening. A banquet was held Saturday night, with Regional Director Dodd speaking on the opportunities for fraternal activities following graduation.

Eastern Conference

The Eastern Regional Conference was held in Washington, D. C., March 14 and 15, with Gamma Beta Chapter as host. Norman Seidle, Gamma Beta, was conference chairman. Each chapter in the Region—Theta, Pi, Rho, Tau, and Gamma Beta—was represented by one or more members. Theta Tau's newest Chapter, Iota Beta, was also represented by five men. The Executive Council was represented by Executive Secretary Robert E. Pope and Regional Director Michael A. Gibbs.

The Conference was called to order by

CENTRAL REGIONAL CONFERENCE

First row: Dale R. Bussman, Sigma Adviser; C. Ramond Hanes, Grand Vice Regent; Bill White, Delta Beta; Don Steberl, Phi; Steve Demmy, Sigma; Reed Anderson, Sigma; Larry Rennie, Sigma; Jack James, Delta Beta; George G. Dodd, Central Regional Director. *Second row:* Dale Hoover, Sigma; Paul Szymanski, Epsilon Beta; Joe Boetter, Epsilon Beta; Dennis Heppner, Delta; Richard Keck, Delta; Fred DuVall, Epsilon Beta; Richard Wisley, Epsilon Beta. *Third row:* Bill Lourie, Sigma; Lewis Crenshaw, Delta Beta; Pete Leffler, Sigma; Bob Hollenbeck, Delta Beta; Al Hribar, Phi; Chris Betwee, Epsilon Beta; Franklin Shah, Sigma; George Haskin, Epsilon Beta.





Some of the Gamma Beta men at the Eastern Regional Conference. Gordon Davidson, Assistant Scribe; Norman Scidle, Conference chairman; Jerry Edwards, Regent; Ely Fishlowitz, Scribe; Mike Cogan.

Gamma Beta Regent Jerry L. Edwards. Prof. Carl H. Walther, Gamma Beta Adviser, extended a welcome to all delegates and alumni. An initiation ceremony was then conducted for six Gamma Beta pledges and two Iota Beta charter members.

Following a luncheon, each chapter reported on its activities since the Convention. Brothers Pope and Gibbs also made reports to the Conference.

Topics for discussion were presented, with each chapter taking an assigned topic. These were: chapter activities, Lou Boezi, Gamma Beta; chapter housing, Don Raper, Rho; alumni relations, Herb Wilkinson, Gamma Beta '61; ritual, Arthur Epley, Theta; rushing and pledging, Henry Barbour, Pi; and Fraternity improvements, Lee Metrick, Tau. Discussion from the floor followed each presentation. After each

topic had been discussed, Dick Salturelli, Iota Beta, offered a summary and comments. Regional Director Gibbs suggested that the discussions had been so well done that the prize money should be donated to the Founders' Memorial Fund rather than a winner being chosen. The suggestion was approved by the Conference.

Saturday evening a banquet and ball were held. John Wolfgang, Gamma Beta '62, presented the banquet speech, "After Graduation What?"

Western Conference

The Western Regional Conference was held February 21 to 23 in Golden, Colorado, with Gamma Chapter as host. George Brinkworth, Gamma, and Garn Hatch, Regional Director, were in charge of arrangements. No further details were available.

Engineers Wanted Overseas

The Peace Corps estimates that more than 400 engineers will be required during 1964 to meet the requests coming to it from the 48 countries throughout Latin America, Africa, and Asia where it now has projects.

At least one-half of these engineers would serve as operating personnel on various engineering projects where the types of engineering skills requested are in the following order: civil, agricultural, mechanical, electrical, sanitary, radio, and industrial. The other half of the engineers

requested would fill teaching posts.

Engineers who can take a temporary leave of absence from their present employment, also those planning early retirement, are invited to apply for one of these interesting overseas posts. Full details and an application form may be secured by writing to the Division of Recruitment, Peace Corps, Washington, D. C. 20525. Letters should indicate if you are interested in applying on a temporary leave basis, or as a retiree.

Wanted: Students and Graduates

If your educational plans include enrollment at another school either for undergraduate or graduate study, your days as an active participant in Theta Tau chapter affairs need not end when you leave the school where you were initiated.

You are in an ideal position to promote the establishment of a new Theta Tau chapter if you enroll in a non-Theta Tau school with ECPD-accredited curricula, with sizable engineering enrollment, and with an administrative attitude favorable to Theta Tau. A great many schools are in this category.

Your personal help in this way is solicited regardless of your proposed major at the new school (or even if you do not enroll there, but only locate near a school which is a potential chapter site) and regardless of your possible lack of past experience as a chapter officer.

Theta Tau national officers and the Central Office would work closely with you, providing suggestions, etc., including handling of initial contacts with school administrators.

The national Fraternity will reimburse any necessary expenses incurred in promoting extension in cooperation with the Central Office, and would consider the possibility of providing additional financial help if needed.

Already this matter has been discussed with two 1964 graduates who have volunteered to help with extension as they take up graduate studies elsewhere: Bill Burchill, Iota, and John Harton, Upsilon. More are needed immediately. This need will continue during the years just ahead whether Theta Tau continues its present system of extension or adopts a coloniza-



tion plan at its next Convention. Please let us know of your future plans as soon as possible, addressing your letter to the Central Office.

Naturally, if you plan to continue or begin additional academic work at any Theta Tau school, we hope you will maintain or transfer your active membership as appropriate.

It is difficult to imagine any Theta Tau achievement more gratifying than to be involved with establishment of a new chapter, but there are other ways to continue active Theta Tau participation away from all schools. Let the Central Office know your situation, and guidance will be given in establishing a new alumni club or in assuming an active role in an existing alumni organization.

If your Fraternity interest is national in scope, inform the Central Office of your desire to be appointed to an Interim Committee or to serve our national Fraternity in other ways.

As an individual, let others know of your Theta Tau membership by wearing its insignia when appropriate, having your shingle framed and displayed, and always listing Theta Tau among your memberships, properly denoting it as a national professional engineering fraternity.

Finally, even if you locate in the most remote spot on earth, you can still render valuable service to Theta Tau by sending to the Central Office your recommendation of a potential member who is a student at any accredited engineering school, and/or through making a financial contribution to Theta Tau's progress. Forms in the back of this issue may be used for both of these purposes.

ROBERT E. POPE

Grand Regent's Message

College fraternities are organized primarily for the benefit of their undergraduate members. In addition to serving as a focal point for organized social functions and participation in intramural athletic competition, the college fraternity provides the undergraduate member with the opportunity to also live, eat, and work with other students that have compatible backgrounds and objectives, thus developing and strengthening friendships that will last throughout life. Furthermore, organized study periods, scholarship awards, tutoring by fraternity brothers, and pride in group achievement all help the undergraduate member reach for higher scholastic goals. In addition, the program of a professional fraternity enriches professional training and provides opportunities for the undergraduate to meet with alumni who are in active professional practice in his field. Although this is not an exhaustive examination of the benefits that accrue to the undergraduate member of a fraternity, it is obvious that these benefits are many and varied. Since the undergraduate membership of most fraternities represents only a very small percentage of the total membership, while the alumni membership comprises an overwhelming majority, it would appear reasonable to expect the benefits of fraternity membership for alumni to surpass even the long list of benefits attributed to the undergraduate. Furthermore, it might be expected that the services rendered to alumni and undergraduates by a fraternity would bear some relationship to their rela-



tive numbers. This is not always true.

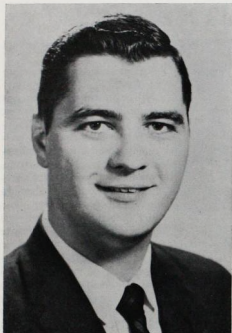
At present, the membership of Theta Tau is divided into approximately 95 percent alumni and 5 percent actives. Naturally the alumni will represent an ever-increasing percentage of the total membership. However, unfortunately, for many alumni the benefits of fraternity membership ceased upon graduation. The fact that more than half our

alumni do not receive *The Gear* because they have failed to notify the Editor of their current address is one indication of alumni apathy. The fact that only a very small percentage of our alumni are members of an active alumni club or alumni association is another indication of lack of interest. For far too many alumni, graduation represents the end of participation in fraternity affairs instead of the beginning of a life of fraternal fellowship.

In order to increase the participation of alumni in fraternity activities, it is necessary to first determine the services and benefits that most alumni would like to receive as a result of their membership. Each alumnus could help by informing us how we might make his membership in Theta Tau more meaningful to him. Therefore, I am inviting each alumnus to send us his suggestions for improving our services to alumni. The response of our alumni to this invitation will play a large role in determining what, if any, changes should be made in operations that affect more than 95 percent of our membership.

WILLIAM K. REY

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



Fred Armstrong is Southern Regional Director

Fred E. Armstrong, Jr., Mu '61, has been appointed Southern Regional Director by the Executive Council. The chapters in his Region are Zeta, Iota, Mu, Upsilon, and Eta Beta.

Brother Armstrong is a sales engineer for the Trane Company, Birmingham, Alabama. He received his B.S. degree in mechanical engineering from the University of Alabama in 1961. He was Vice Regent of Mu Chapter and a member of Pi Tau Sigma. He is also a member of ASME, ASHRAE, and the Foundry Educational Foundation. Brother Armstrong and his wife live in Birmingham.

History of Theta Tau Moving Forward

Last fall the History Committee contacted about 200 alumni by letter in an effort to gather historical material firsthand. All charter members of Theta Tau's first 22 chapters were included in this appeal if their addresses were known. Past Grand Regents and others who had been active on the national level in Theta Tau affairs were also contacted.

The response was most gratifying and gave a valuable boost to the committee's work. Many men had obviously spent a good deal of time researching their own files and they furnished the committee with pictures, clippings, and fond reminiscences of bygone days. Some of the events related could not have been uncovered had not these men written in with the anecdotes and facts which will liven up the history and make it most authoritative.

The committee will move ahead with the research of *The Gear* files, Convention

Minutes, Archives materials, and correspondence files as time permits. When the writing of the history of Theta Tau actually begins, it will be serialized in *The Gear* and later bound.

Alumni and chapter actives are encouraged to send to the History Committee any facts they might recall or uncover concerning past significant events. Short items sometimes fill a large gap in information.

Those who wrote payed real tribute to their Fraternity by answering the request and performed a valuable service for Theta Tau. The members who replied in some detail are listed below, both to give them due credit and to call attention to the fact that there are still some gaps to be filled.

PAST GRAND REGENTS

Dr. Richard J. Russell

Charles W. Britzius

BETA CHAPTER

Alfred H. Meuche, #7

DELTA CHAPTER

Edward A. Taylor, #19

EPSILON CHAPTER

Ralph Countryman, #1

ZETA CHAPTER

Ross I. Parker, #1

Charles M. Coats, #7

IOTA CHAPTER

Gunnard E. Johnson, #2

William H. McCartney, #8

LAMBDA CHAPTER

C. Milton Anderson, #3

C. Douglas Barnes, #9

MU CHAPTER

F. Lawrence Davis, #1

Stephen D. Moxley, #2

James H. Wingard, #12

NU CHAPTER

Edwin H. Johnson, #1

William R. Cuthbert, #6

UPSILON CHAPTER

Thomas L. Huckaby, #12

CHI CHAPTER

Jacob Erickson, #4

Otto K. Mangum, #8

Prof. E. S. Borgquist, Lambda #64

GAMMA BETA CHAPTER

William J. Ellenberger, #11

John E. Parsons, #18

DELTA BETA CHAPTER

D. L. Witherspoon, #12

Wylie B. Wendt, #27

EPSILON BETA CHAPTER

Richard G. Welch, #43

Remember Theta Tau's Sixtieth Anniversary

This is the Fraternity's Sixtieth Anniversary Year. In the fall, each chapter and alumni organization is being urged to hold a very special observance of Founders' Day on or near October 15, 1964.

Each alumnus is invited to attend one of these events personally, if possible, checking with his own chapter, or a nearby chapter or alumni group, in advance as to detailed plans.

In keeping with an old tradition of Theta Tau, any alumnus unable to attend a Founders' Day event in person is obliged

to write his chapter in time for the letter to reach it before October 15. Each member is especially urged to observe this tradition this year.

In observance of this milestone year, a special Sixtieth Anniversary Issue of *The Gear* will be published in the fall. To avoid missing this issue, make sure now that your current address and those of other alumni are on file with *The Gear*. Special commemorative gummed seals for use on mail this year will be available from the Central Office for use by members requesting them.

IMPORTANT NOTICE TO ALUMNI

Beginning with the Fall 1963 issue of *The Gear*, we modified our policy for those alumni who move without notifying *The Gear* office of their new mailing addresses. If your *Gear* is returned to us with a new address written on it, we will automatically place you on the mailing list for the next issue. If a returned *Gear* has no forwarding address on it, we will continue to seek your current address by first class letter. Because of the new higher postal rates, we will not remail the current issue to you as in the past. In all cases we will attempt to keep you on the mailing list.

Theta Taus Attend PIC Meeting

The regular biennial meeting of the Professional Interfraternity Conference was held at the Dinkler-Plaza Hotel in Atlanta, Georgia, March 6-8, 1964. Representing Theta Tau were Grand Regent William K. Rey, Grand Scribe Robert E. Pope, who served on the PIC Executive Committee during the biennium, and Southern Regional Director Fred E. Armstrong, Jr.

Several fraternities, including Theta Tau, provided a display for the Idea Exchange Exhibition beginning at the reception on Friday evening. President Rand P. Hollenback, Phi Delta Chi (pharmacy), presided at the sessions beginning Saturday morning. Officer reports were presented by him; by James D. Thomson, Delta Sigma Pi (commerce), secretary; and by Dr. Stephen G. Applegate, Delta Sigma Delta (dentistry), treasurer. Secretary Thomson cited the improvement of the PIC members' listings by category in *Baird's Manual*, and the detailed survey of professional fraternities during the last biennium as examples of interim PIC efforts for its member fraternities.

The bulk of the sessions was devoted to panel presentations followed by general discussion on: sources of fraternity finance; cost of operation; and contributions of professional fraternities to students, schools, and profession. Theta Tau was represented on the cost of operation panel by Brother Pope, who reviewed in a general way the financial experience of Theta Tau in recent years during which our Fraternity's national operation has been in transition. Meredith M. Daubin, Delta Theta Phi (law), served as moderator for the discussions.

At the final session on Sunday morning, the following officers were elected for the coming biennium: Meredith M. Daubin, Delta Theta Phi (law), president; Dr. C. H. William Ruhe, Phi Rho Sigma (medicine), president-elect; James D. Thomson, Delta Sigma Pi (commerce), vice president; Dr. William E. Koch, Jr., Xi Psi Phi (dentistry), secretary; and Dr. Stephen G. Applegate, Delta Sigma Delta (dentistry),



The newly-elected Professional Interfraternity Conference officers, 1964-66. Seated: James D. Thomson, vice president; Meredith M. Daubin, president; Dr. C. H. William Ruhe, president-elect. Standing: Joseph G. Maddox, Executive Committee member; Dr. Stephen G. Applegate, treasurer; Dr. William E. Koch, Jr., secretary; Rand P. Hollenback, past president and Executive Committee member; and Dr. Robert J. Beals, Executive Committee member.

treasurer. Elected to the Executive Committee, in addition to the officers, were: Dr. Robert J. Beals, Sigma Phi Delta (engineering); and Joseph G. Maddox, Sigma Delta Kappa (law). Ex officio members of the Executive Committee are immediate past presidents of the Conference: Rand P. Hollenback, Phi Delta Chi (pharmacy); and Adelor J. Petit, Phi Delta Phi (law).

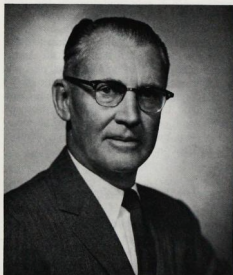
PIC representatives of Sigma Delta Kappa (law) in the Atlanta area served as hosts and treated those in attendance to Georgia hospitality including a tour to Stone Mountain late Saturday afternoon.

The Theta Tau delegation obtained an insight into the operation of other professional fraternities through the Idea Exchange Exhibition and panel discussions. In addition, informal contact with officers of other professional fraternities, in and outside engineering, has the beneficial effect of providing a framework for sharing ideas. At the close of the meeting, the Theta Tau delegation felt a greater sense of pride in its own Fraternity, and in its members; and a hope that, through cooperation of all professional fraternities, the PIC might become a stronger organization.



Alumni News

Waldo Bowman is New ASCE President



Waldo Bowman, Zeta '23, is the new president of the American Society of Civil Engineers, the oldest national engineering society in the United States. He is chief editor of *Engineering News-Record* and has had a distinguished career in engineering journalism.

Brother Bowman holds the bachelor of science degree in civil engineering and a professional civil engineering degree from the University of Kansas. He also studied at the Harvard Graduate School of Business Administration. Following graduation he worked as a structural engineer with the Chicago Bridge and Iron Company and the Boston Bridge Works. Brother Bowman has been a member of the editorial staff of *Engineering News-Record* for over 35 years, and chief editor for 23 years. Before becoming chief editor, he was the structural

specialist. From 1946 to 1949 he was editor of *Construction Methods & Equipment*.

During and immediately after World War II, Brother Bowman made three extended trips abroad as a war correspondent for *Engineering News-Record*. In 1943 he visited the British Isles, Iceland, North Africa, Egypt, Palestine, Iraq, and Iran. His second assignment encompassed Great Britain, France, Belgium, Holland, and Germany in 1944-1945. On his third visit abroad in 1947, he reported on the operations of our occupation forces in Germany, and also studied the need for the Marshall Plan in France and Switzerland. An article Brother Bowman wrote early in the war effort, "The Seabees are Coming," was given special commendation by the Navy Department.

Brother Bowman went abroad again in 1951, principally to India, the Middle East, and France. In India he was a member of the official U. S. delegation named by the State Department to attend the International Congress on Large Dams.

He made other visits to Europe and North Africa in 1953 and 1955. In 1956 Brother Bowman traveled to Greenland, and in 1957 to Mexico, the Brussels World's Fair construction site, and to the Middle East. In 1960 he made an around-the-world trip; in 1961 he went to West Germany and Italy; and in 1962 he was in Europe and also traveled extensively throughout the Soviet Union.

Brother Bowman is the author of a number of special reports and series of articles which have been reprinted in booklet form. In the book field, he is the author of the construction equipment section of Hool and Johnson's *Handbook of Building Construc-*

tion and a coauthor of *Bulldozers Come First*, an account of U. S. military construction from Tokyo to Berlin.

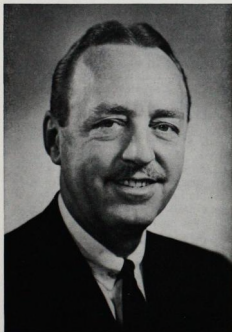
From 1928 to 1930, Brother Bowman also edited the Proceedings of the American Concrete Institute. In the early Thirties, as a special aide to the chairman of the Construction Division, ASCE, he compiled and edited a series of manuals on the plant and equipment used in the construction of bridges, buildings, hydropower dams, and flood control facilities. On three occasions he has served as member or chairman of the American Institute of Steel Construction jury of award for beautiful bridges. He was a director of the Centennial of Engineering in 1952, and chairman of the Program Division on Construction.

Brother Bowman has long been active in ASCE, having been a director of the Metropolitan Section, a national director of the

Society, chairman of the Publications Committee of the Board of Direction, special assistant to the chairman of the Executive Committee of the Construction Division, a member of the Society's Annual Meeting Committee, and ASCE vice president. From 1952-55 he was on the board of United Engineering Trustees and its treasurer. In 1956-57 he was a Metropolitan Section ASCE representative on the Joint Professional Committee for the study of the New York State Education Law.

Brother Bowman is also a member of the American Concrete Institute and the American Society for Testing Materials, and is a member of the Executive Committee of the U. S. Committee of the International Commission on Large Dams. He is a licensed professional engineer in New York, a member of Tau Beta Pi, and an honor member of Chi Epsilon.

Kennedy Moves Up to President of Sinclair Oil



Joseph B. Kennedy, Gamma '35, has been elected president of Sinclair Oil & Gas Company, Tulsa, Oklahoma. He had been executive vice president since 1957.

He attended Colorado School of Mines, Johns Hopkins University, and the Harvard Graduate School of Business. In 1935 he began work for Sinclair. He served as a lieutenant commander in the U. S. Navy from 1942 to 1946, then rejoined Sinclair as division engineer in Tulsa.

In 1950 he became assistant division superintendent at Midland, Texas; two years later he was transferred to Casper, Wyoming as division superintendent. In 1953 he was appointed manager of the Property Acquisition Department in Tulsa, and a year later he was elected a vice president and division manager at Houston. He was elected to the board of directors in 1956.

Brother Kennedy is also a director of Sinclair Canada Oil Company, of Sinclair Research, Inc., of General Mid-Continent Oil & Gas Association, and of Texas Mid-Continent Oil & Gas Association.

C. Maxwell Stanley Has Worldwide Interests

C. Maxwell Stanley, Omicron '26, is a man with worldwide interests, both in business and in foreign policy. He is president of the Stanley Engineering Company of Muscatine, Iowa, a firm of consulting engineers with a wide practice throughout the United States and also in West Africa and South America. He also is president of the Home-O-Nize Company and the Prime-Mover Company, manufacturers of office equipment and material handling equipment. Their products are sold in the United States, Europe, and South America.

Brother Stanley received the B.S. degree in general engineering and an M.S. in hydraulic engineering from the State University of Iowa. He is active in professional engineering societies, being a member of ASME, ASCE, IEEE, NSPE, and the Consulting Engineers Council. He is a past president of the Iowa Engineering Society.

Technical papers by Brother Stanley have been awarded the Alfred Noble Prize and the Collingwood Prize by the ASCE, and the John Dunlap Prize of the Iowa Engineering Society. He also has received the Anson Marston Award for outstanding service and the Distinguished Service Award from the Iowa Engineering Society. He is the author of many technical articles and the book, *The Consulting Engineer*.

Brother Stanley has been interested in foreign policy and national affairs for many years. Since 1947 he has been on the Executive Council of United World Federalists, Inc., serving three years as chairman of the Executive Council and two years as president. Since 1954 he has been a member of the Executive Council of the World Association of World Federalists, and is now chairman.

He is the author of the book *Waging Peace*, in which "a business man looks at United States foreign policy." He has spoken widely on subjects related to foreign policy and has participated in many



conferences. He is chairman of Strategy for Peace Conferences.

In Muscatine, he has been active in community affairs, including Boy Scouts and Community Chest. He is a member of the Board of Trustees of the First Methodist Church and of Iowa Wesleyan College. He received a doctor of humane letters degree from Iowa Wesleyan College in 1961. He is a member of the South Iowa Conference for World Peace.

Stanley on "Change"

At the annual Finkbine Dinner at the University of Iowa, Brother Stanley spoke on "Change." He concluded with the following words.

"If you are to lead, you must cope with change in a positive fashion. You cannot hang back or seek to avoid it. You cannot ridicule or resist it as the work of radicals, crackpots or starry-eyed idealists. You must meet change head on, taking it as a normal and expected fact of life.

"To do so requires four things of you.

First, you must accept the inevitability of change. Next, you must understand the background from which come the compelling forces for change in your profession, your business, your nation and your world. Only as you understand this background will you comprehend the effect change will have upon institutions, practices and prejudices.

"Thirdly, you need to keep your feet on the ground, for, despite rapid change, there are some unchanging factors. These include our basic moral and ethical concepts developed from the Judaic-Christian background. They include our concern for freedom, independence, human rights and

dignities. Upon such firm foundations we need to stand.

"Finally, the great leaders of tomorrow will be those who also keep their heads in the clouds. They are the ones who will anticipate the need for change and provide the inspiration to channel it into appropriate paths.

"You will live your lives in a time of unprecedented change. You will live in the most frustrating and, at the same time, the most dynamic era in the history of civilized man. The hazards you face are matched by the opportunities. Your response will determine civilization's progress for many generations."

David C. Minton Now Director of Battelle

David C. Minton, Jr., Chi '30, has been named director of the Columbus (Ohio) laboratories of Battelle Memorial Institute. He will continue as vice president of the foundation. The Columbus laboratories

have a staff of 2,350 people with offices in Los Angeles and Washington, D. C. Also affiliated with Battelle-Columbus are nuclear research and pilot plant laboratories at West Jefferson, Ohio, and a marine research station at Daytona Beach, Florida.

Brother Minton is a charter member of Chi Chapter at the University of Arizona. He holds a B.S. in mining engineering and an M.S. in metallurgy, and the professional degree of metallurgical engineer. He has taught at the University of Arizona and the University of the Philippines and has been associated with several firms in the mining and metals field.

In 1941 Brother Minton joined the Battelle staff. During World War II, he was on leave from Battelle for three years to administer portions of the nation's metallurgical research for the War Metallurgy Committee of the National Academy of Sciences—National Research Council and the National Defense Research Committee of the Office of Scientific Research and Development. In 1948 he was awarded the Armed Forces Certificate of Appreciation for his work on the War Metallurgy Com-



mittee. He returned to Battelle as assistant to the director in 1945, and in 1955 was named vice president.

Brother Minton is a member of the Committee on Research of the National Association of Manufacturers, the Advisory Council of the Patent, Trademark, and Copyright Foundation of George Washing-

ton University, the Committee on International Affairs of the Atomic Industrial Forum, and until recently, the Materials Advisory Board of the National Academy of Sciences—National Research Council. He is a member of the AIME, the Canadian Institute of Mining and Metallurgy, the American Society for Metals, and Tau Beta Pi.

Spahr in Seventh Year as Sohio President



Charles E. Spahr, Zeta '34, has been president of the Standard Oil Company (Ohio) since 1957. He has been with the company since 1939.

Following his graduation from the University of Kansas with the B.S. degree in civil engineering, Brother Spahr attended Harvard Graduate School of Business Administration. He worked briefly for Standard Oil Company of Indiana, the Kansas State Highway Department, and Phillips Petroleum Company, where he was assistant to the vice president-engineering. During

World War II, Brother Spahr was a major in the Army Corps of Engineers.

He directed various phases of management in the transportation department of the Standard Oil Company (Ohio) following the war, becoming vice president for transportation in 1951. He was elected executive vice president and a director in 1955, after serving as vice president and assistant to the president.

In 1952 Brother Spahr served as director of the Supply and Distribution Division of the Petroleum Administration for Defense in Washington, D. C. He is a director of the American Petroleum Institute and vice president of the API Division of Science and Technology. He is a director of the Cleveland Electric Illuminating Company, the National City Bank of Cleveland, the Ohio Bell Telephone Company, the White Motor Company, and of both the Ohio and Cleveland Chambers of Commerce. He was appointed a member of the National Petroleum Council in 1961.

Brother Spahr is active in his church; he is a trustee of Lutheran Hospital, Cleveland Development Foundation, Case Institute of Technology, Baldwin-Wallace College, and is a member of the corporation of Fenn College. In 1961 he received an honorary doctor of engineering degree from Fenn College.

He is chairman of the Greater Cleveland Growth Board and also serves on the boards of the Community Chest and the Educational Research Council in Cleveland.

Kauzlarich Chairs Department at Virginia

Dr. James J. Kauzlarich, Theta '50, has been appointed professor and chairman of the Department of Mechanical Engineering



at the University of Virginia. He is well known for his research work in ablation and the effects of friction wear on materials.

He received his B.S. in mechanical engineering from the State University of Iowa in 1950, his M.S. from Columbia University in 1952, and his Ph.D. from Northwestern University in 1958. He served on active duty in the U.S. Navy in 1945 and 1946.

Brother Kauzlarich has worked for the Collins Radio Company, General Electric Company, Commonwealth Edison Company, and the Boeing Company. He was a member of the faculty of Worcester Polytechnic Institute from 1958 to 1961, being appointed associate professor of mechanical engineering in 1960. In 1961 he went to the University of Washington at Seattle as an associate professor of mechanical engineering.

He is a member of ASME, American Society of Aeronautics and Astronautics, Tau Beta Pi, Pi Tau Sigma, Sigma Xi, and Delta Nu Alpha. He has served the American Society for Engineering Education as associate editor and editor of "Heat Power News & Views." Brother Kauzlarich is a registered professional engineer in Iowa and Massachusetts.

25 and 50 Years Ago in Theta Tau

25 YEARS AGO

Delta Beta Chapter was installed at the University of Louisville.

Lambda Chapter established a fund for a Theta Tau Collection in the Engineering Library at the University.

Some early members of Alpha Chapter, including Founders Schrader and Hanks, met in Yellowstone Park to celebrate the 50th anniversary in the Park of Jack E. Haynes, Alpha '08, famous photographer.

(From the Spring 1936 Gear)

50 YEARS AGO

Theta Chapter was installed at Columbia University.

Meetings of the Twin City Alumni Association featured engineering papers, sometimes illustrated with lantern slides.

The Cleveland Alumni Association was newly organized.

Plans for the 1915 Convention with Epsilon Chapter as host were announced.

(From the June 1914 Gear)

In Memoriam

JOSEPH H. CHESAREK, *Phi '29*, died December 28, 1963, in San Francisco, California. He was associated with Frigidaire Corporation in Dayton, Ohio until 1936. From then until 1942 he was with the Northwestern Auto Supply Company in Billings, Montana. From 1942 until the time of his death, Brother Chesarek was with the 6th U. S. Army HDG at Presidio of San Francisco. For a number of years he was chief of the Utilities Branch. Brother Chesarek was a member of Tau Beta Pi, Pi Tau Sigma, and the Elks Lodge. He is survived by his wife, two sons, a granddaughter, four brothers, and four sisters.

TOM CLAUSEN, *Pi '51*, died December 9, 1963. He was an employee of the Engineering Department of the City of Charlottesville, and was active in professional and civic activities. Brother Clausen served with the U. S. Army Air Force in World War II, attaining the rank of captain. (*University of Virginia Alumni News*)

HOWARD JOHN COMSTOCK, *Beta '46*, was killed in a fire at his home in Niagara, Wisconsin on August 17, 1963. His wife, a son, and two daughters also lost their lives. Another son survives. Brother Comstock was general superintendent of the Kimberly-Clark mill in Niagara, where he was transferred in 1962. (*Michigan Tech Alumnus*)

GEORGE M. CUNNINGHAM, *Epsilon '21*, died July 24, 1963, in Berkeley, California. He was president of American Overseas Petroleum Company in New York until he retired in 1960, and was chief of exploration for Standard Oil Company of California. One of his chief accomplishments was the drilling of the first oil well in Australia. Brother Cunningham served in the Corps of Engineers in France during World War I. He was a member of Kappa Sigma, Tau Beta Pi, Order of the Golden Bear, and other honor societies. In retirement he served as secretary of the San Francisco Businessman's Garden Club. Brother Cunningham is survived by his wife, a former Berkeley city councilwoman, a son, two daughters, a sister, and eight grandchildren.

KARL T. DAVIS, *Nu '24*, died January 29, 1963, after a brief illness. He is survived by his wife.

RICHARD C. DENNIS, *Alpha '17*, died August 19, 1963. He was a consulting geologist in New York City. Brother Dennis served in World War I, then was an engineer for Humble Oil and Refining Company, Oliver Iron Mining Company, and New England Oil Corporation before becoming a consulting geologist. He was a member of Sigma Alpha Epsilon and AIME.

GEORGE K. DUMBAULD, *Sigma '34*, died recently.

KENNETH A. ELLISON, *Iota '25*, died November 16, 1963. He was an oil operator and geologist in Oklahoma City, Oklahoma. Brother Ellison was a member of Pi Kappa Alpha, the AAPG, the American and Oklahoma Independent Petroleum Associations, the National Oil Scouts and Landmen's Association, and the Oklahoma Geological Society. He is survived by his wife, a son, and a sister.

COL. THEODORE C. GERBER, *Iota '28*, died August 7, 1963. He joined the Army during World War I, and during World War II he was field director of ammunition plants for the government. In this position he was the directing head of all government-owned, contractor-operated plants producing chemicals and explosives and those engaged in loading bombs, artillery, and other munitions. Brother Gerber retired from the Army in 1946. After his retirement he was assistant to the president of Certain-Teed Products Corporation for two years and with the Gates Engineering Company from 1949 to 1950. Brother Gerber is survived by his wife, a son, and a daughter. (*MSM Magazine*)

GORDON M. HALE, *Delta '24*, died January 8, 1964, in Cleveland, Ohio. He was a sales engineer for the Fireman's Mutual Insurance Company for more than 30 years. Brother Hale was also a member of Phi Kappa Psi.

RICHARD A. HART, *Lambda '12*, died June 10, 1963, in Logan, Utah. He was also a member of Sigma Chi and Theta Alpha Phi. Mrs. Hart survives.

MEARLE G. HEITZMAN, *Gamma '17*, died December 31, 1963, in Salt Lake City. He was a prominent geologist and mining engineer. He joined the Silver King Mine in 1919 at Park City, Utah, and became general superintendent and later manager of operations. When it merged with other mines to form the United Park City Mines, he became a geology and mining consultant for them. Brother Heitzman retired in 1960. He had also served as president of the First National Bank in Park City. He was a member of Beta Theta Pi, Kiwanis Club, AIME, the American Mining Congress, and Masonic organizations. Brother Heitzman is survived by his wife, two sons, one daughter, and eight grandchildren.

RANDALL B. HICKMAN, *Sigma '39*, died September 3, 1963, in Bridgeport, Connecticut.

CARL JOHN KINGSTON, *Beta '06*, died September 26, 1963.

JOHN Q. LANGFORD, *Lambda '17*, died January 19, 1963, in Salt Lake City, Utah. He was retired chief construction engineer for the Utah State Road Commission. Brother Langford began his career with the state road commission as a project engineer in 1923. Following his retirement in 1950, he served as consulting engineer for Murray City. He was a member of Sigma Nu Fraternity and the Elks Lodge. Brother Langford is survived by his wife, three sons, two daughters, and 22 grandchildren.

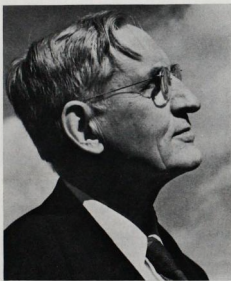
J. WHITNEY LEWIS, *Alpha '12*, died recently. He was also a member of Psi Upsilon.

FRANK LINDEMAN, JR., *Gamma '33*, died November 25, 1963, in Houston, Texas. He was director and vice president in charge of exploration and production for Ashland Oil and Refining Com-

THE GEAR OF THETA TAU

pany. He began his career with Pan American Petroleum Corporation in east Texas, and eventually became vice president of production. In 1958 he became vice president, oil and gas, for United Carbon Company. When Ashland and United Carbon merged in 1963, he became director and vice president of exploration and production. Brother Lindeman served with the U. S. Corps of Engineers in World War II, becoming a lieutenant-colonel. He was a member of AIME, the American Petroleum Institute, the Mid-Continent Oil and Gas Association, Sigma Nu, Kappa Kappa Psi, and Scabbard & Blade. Brother Lindeman is survived by his sister. (*Mines Magazine*)

DR. RICHARD R. LYMAN, *Lambda Honorary '95*, died December 31, 1963, at the age of 93. He was Lambda Chapter's first honorary member and one of Theta Tau's oldest members. He was a nationally prominent civil engineer and educator. Brother Lyman graduated from the University of Michigan in 1895, and was granted his master of civil engineering and doctoral degrees by Cornell University. He was named professor and head of the Civil Engineering Department at the University of Utah in 1896, and held that position until 1922.



Richard R. Lyman

He surveyed and laid out the present University of Utah campus. Brother Lyman was consulting engineer on three of the seven "modern civil engineering wonders of the United States" named by the ASCE. The three are the Sanitary District of Chicago, the Grand Coulee Dam and Columbia Basin Project, and the Metropolitan Water District of Southern California. No other engineer served on more than one project so named. Another project contributing to his fame was the

"Lyman Plan," the orderly system of street numbering used in the Salt Lake Valley. Brother Lyman served as vice chairman of the Utah Road Commission and also served as vice chairman of the Utah Water Storage Commission. In 1915 he was awarded the J. James R. Croe Medal by the ASCE for his published study of the flow of streams. In 1939 he was made a life member of ASCE, and in 1952 he was named honorary president of the Utah Society of Professional Engineers. Brother Lyman was a prominent member of the Church of Jesus Christ of Latter-day Saints, being a member of the Council of the Twelve Apostles from 1918 to 1943. He was a former member of the National Council, Boy Scouts of America. He was a member of Sigma Xi, Phi Kappa Phi, and Tau Beta Pi. Brother Lyman is survived by a daughter and five grandchildren.

HAROLD B. MARSHALL, *Phi '33*, died August 19, 1963, in West Lafayette, Indiana. He was a staff engineer for Albert Ramona & Associates, Chicago. A brother survives.

THOMAS FRANCIS MYNERS, *Beta '21*, died September 3, 1963, in Sparta, New Jersey. He was also a member of Tau Beta Pi.

MILES B. OLSON, *Alpha '44*, died September 16, 1963, in New Canaan, Connecticut. His wife survives.

DONALD ELTON QUINNEY, *Omega '38*, died August 14, 1960. He was employed as bridge designer, Department of Highways, State of South Dakota, in Pierre. He was a registered professional engineer and was active in the American Legion. Brother Quinney served with the 8th Air Force in England during World War II. He is survived by his widow, two sons, two daughters, his parents, and a brother.

REUBEN R. RAWLS, *Pi '24*, died November 11, 1963, in Holicong, Pennsylvania. He was a charter member of Pi Chapter.

SETH POMEROY REES, *Beta '23*, died in November, 1963, in Detroit, Michigan. He was a member of Alpha Chi Rho.

LOCKE M. STUART, *Rho '27*, died October 21, 1963. He was vice president and manager of East Texas Creamery and Pure Ice Company, Marshall, Texas.

ROBERT B. VAN GUNDY, *Gamma '63*, died November 25, 1963, in Denver, Colorado, as a result of injuries received in an industrial accident at the Martin Company plant. He had been employed as a materials engineer since February 1963. At Colorado School of Mines he was an All-Conference guard in football, Junior Class president, Athletic Council student representative, and president of Sigma Phi Epsilon Fraternity. He was listed in "Who's Who Among Students in American Colleges," and was a member of Blue Key, Scabbard and Blade, Letterman's Club, and SAME. Brother Van Gundy is survived by his parents and two sisters. (*Mines Magazine*)

Alumni Notes

ALPHA CHAPTER

JULIO CORDERO, '51, married Claire Cox on October 26 in Boston and honeymooned in the Scandinavian and Mediterranean countries.

PHILIP W. SCHASKER, '60, is now employed as a marketing engineer by Fairchild Semiconductor (Instrumentation). This involves complex systems of automatic semiconductor test equipment in an international market.

BETA CHAPTER

CURTIS F. BURT, '13, is retired and living in Tucson, Arizona.

CLYDE S. WILLIAMS, '33, has been promoted and transferred to a general office assignment as operations research analyst, Consumers Power Company, Jackson, Michigan. He visited with Bob Angst, '33, in Duluth recently.

BRIG. GEN. WILLIAM C. GRIDDLE, JR., '39, was guest speaker at the fall dinner meeting of the M.C.M. Club of Chicago in September. He is at present head of the U. S. Army Corps of Engineers' North Central Division, with headquarters in Chicago.

CAPT. WILLIAM J. WHALEN, '54, has been selected outstanding navigator instructor of the month in the 3567th Navigator Training Squadron at James Connally AFB, Texas.

GAMMA CHAPTER

FRED A. BRINKER, '21, retired recently as general manager of Vanadium Corporation of America's Western Division. He plans to open a consulting office in Durango, Colorado.

RICHARD D. MOODY, '36, has been appointed general sales manager for Allis-Chalmers' newly-formed Process Equipment and Systems Division. His headquarters will be in West Allis, Wisconsin. Brother Moody has been with Allis-Chalmers since 1938, and most recently was Rocky Mountain Region sales manager.

WILLIAM A. ELSEY, '48, has joined Whitehall Canadian Oils Ltd. as manager of production and engineering. He has moved from Edmonton to Calgary. He was formerly vice president in charge of production and drilling for Consolidated Mic Mac Oils Ltd.

PAUL A. HODGES, '51, has gone to the Republic of South Africa where he will be mine superintendent for the Palabora Mining Company in the Transvaal. Previously he was a mine superintendent in Chuquicamata, Chile. His family includes his wife and two daughters.

JERRY R. McLEOD, '57, is on leave of absence from Cities Service Oil Company and is attending the Harvard Graduate School of Business Administration.

CHARLES R. THREEWIT, '57, has been promoted to district engineer for Pure Oil Company's Olney (Illinois) District. The district includes Illinois, Western Kentucky, and Southwestern Indiana.

JOHN A. CHRISTIANS, '58, has received a second "Outstanding" rating certificate from the Department of the Army for his work as a general engineer in the Petroleum Equipment Branch at the Army Mobility Command's Engineer Research and Development Laboratories, Fort Belvoir, Virginia. He has been employed at the laboratories since 1960.

KENNETH L. ANCELL, '64, has been given the National Football Foundation Scholar-Athlete Award, the highest undergraduate football-playing honor in the nation. The award carries with it the Earl H. Blaik Fellowship of \$500 for postgraduate work.

DELTA CHAPTER

CHARLES R. HORSBURGH, '38, is the new president of the Horsburgh and Scott Company of Cleveland. The firm manufactures custom industrial gearing and speed reducers for a wide range of power transmission applications.

WILLIAM A. CRAWFORD, '39, is principal instrument engineer for the E. I. duPont de Nemours & Company. He is president-elect of the Instrument Society of America.

DONALD F. HORSBURGH, '40, has been elected executive vice president of the Horsburgh and Scott Company.

JOHN O. ARCHER, '42, has been elected vice president, operations, for the Akron Brass Company, Wooster, Ohio. He was formerly manager of production engineering for SFK Industries, Philadelphia. Brother Archer is a licensed professional engineer.

JEROME R. GROSS, '44, is now vice president of Dravo-Doyle Company, Pittsburgh, and manager of the recently formed Industrial Equipment Division. He has been with the company since 1946. Brother Gross is an associate member of the Society of Naval Architects and Marine Engineers.

HARRY E. FIGGIE, JR., '47, heads a business group which has obtained the domestic business assets of the Automatic Sprinkler Corporation of America, Youngstown. He will be chairman and chief executive officer of the corporation. Brother Figgie was formerly a group vice president of the A. O. Smith Corporation, Milwaukee, with offices in Cleveland. He plans to continue as chairman and president of the Clark-Reliance Corporation, Cleveland.

WALTER R. WHITE, '47, has joined Feedall Inc., Willoughby, Ohio, as sales manager. He was formerly a field engineer with Hewitt Robins Inc.

THE GEAR OF THETA TAU

DONALD R. BUTLER, '49, has been elected vice president in charge of sales for the Vlchek Plastics Company, Middlefield, Ohio. He was previously the firm's sales manager. Brother Butler is vice president of the Cleveland Section, Society of Plastics Engineers.

JACK E. MAXWELL, '49, has been elected a vice president of Booz, Allen & Hamilton Inc., nationwide management consulting firm. He has been with the firm since 1957. Previously he held management positions with the Ford Motor Company and Lincoln Electric Company.

EPSILON CHAPTER

GRAHAM B. MOODY, '12, received an honorary membership in the American Association of Petroleum Geologists at the 48th annual meeting March 26, 1963, in Houston, Texas. He is a petroleum consultant in Berkeley and chairman of the board of Buttes Gas and Oil Company.

ALFRED LIVINGSTON, JR., '20, retired July 1, 1961, after 30 years with the Los Angeles City College, Earth Sciences Department, which he initiated in 1930 and chairmanned for 20 years. He is working on "Geological Journeys in the National Parks."

ROGER REVELLE, '29, director of Scripps Institute of Oceanography, appeared on the CBS Reports feature, "The Legacy of the *Thresher*," on March 4, 1964.

ZETA CHAPTER

GEORGE W. BRADSHAW, '21, is taking a sabbatical leave and steps down from the chairmanship of the Civil Engineering Department for the remainder of his tenure at K.U.

STANLEY LEARNED, '24, has been elected chairman of the board of directors of the National Safety Council.

GEORGE R. BENZ, '25, received a certificate of appreciation for distinguished service at the American Petroleum Institute meeting in November. He was formerly manager of engineering for Phillips Petroleum Company, and is now consultant to the firm. He is a former president of the Oklahoma Society of Professional Engineers.

PAUL BOREL, '34, is assistant director of the Central Intelligence Agency, Washington, D. C.

CARL KINDSVATER, '35, has been elected to the board of directors of the American Society of Civil Engineers. He teaches at Georgia Institute of Technology.

JOHN E. C. ELLIOT, '39, is still with the Kansas State Highway Commission. He has moved to Colby to work on the Interstate System.

CLIFFORD WILLIS, '39, received his Haworth Award, given annually to a distinguished graduate of the Geology Department at K.U. He is chief geologist and associate of Harza Engineering Company of Chicago.

J. BERTRAM LADD, '46, has been elected a director of Consolidated Oil & Gas, Inc., Denver, Colorado.

He is executive vice president of Consolidated and president of the company's construction subsidiary, Re-Bar.

ROBERT BRUCE, '55, has been elected international director for the west central five-state region of the Y's Men Clubs, a service activity of the YMCA.

CAPT. WILLIAM MAINS, JR., '55, is currently assigned to Sewart AFB, Tennessee. He is the father of one-year-old William Whitridge Mains III.

BENNY ANDERSON, '57, is a senior engineer at Pratt & Whitney Aircraft Company in Connecticut. He and "Susie" have two daughters.

JOHN M. DEALY, '58, has completed his Ph.D. thesis at Michigan University. He is instructor of science and technology, postdoctoral fellow and lecturer in chemical engineering at the University.

CAPT. ALLEN D. SMITH, '58, received the master of engineering degree in civil engineering May 25 from Texas A & M. He has been at Fort Belvoir and now is going to a resident engineer job in Kandahar, Afghanistan. U. S. contractors are building a 300-mile road with AID money and Corps of Engineers inspection.

RONALD BONJOUR, '60, is an associate civil engineer with August Bogina & Associates in Lenexa, Kansas. He lives in Prairie Village.

DONALD L. COFFMAN, '61, has been transferred to Phillips' Woods Cross, Utah Refinery. He has bought a new home in Bountiful for his family—wife and son Michael Lee, born in September.

C. ROBERT FRANKLIN, '61, is the father of Jeffrey Charles, born November 6 in St. Joseph, Missouri.

L.T. LELAND R. ELLIOTT, '61, has completed the advanced navigator-bombardier course at Mather AFB, California. He has been assigned as a B-52 Stratofortress navigator-bombardier at Seymour-Johnson AFB, North Carolina.

THETA CHAPTER

WELDON S. BOOTH, '40, is president of Coakley and Booth, Inc., a heavy construction company. He lives in Hastings-on-Hudson, New York.

IOTA CHAPTER

A. E. RHODES, '39, has been elected vice president, production, of the Public Service Company of New Mexico. He will be in charge of the company's electric power production facilities. Brother Rhodes lives at Albuquerque with his wife, son, and daughter.

LT. KENNETH L. CAGE, '63, is serving with the 541st Engineering Company in Heidelberg, Germany. He is on leave from Westinghouse Corporation.

LAMBDA CHAPTER

WARREN GRUNDFOR, '44, has been transferred by Soule Steel Company from district sales manager at San Francisco to district sales manager at Los Angeles.

MU CHAPTER

JAMES H. WINGARD, '22, is retired and living in Bradenton, Florida. He does limited consulting work. At the time of his retirement he was engineer in charge of all engineering, construction and maintenance at Fort Knox (Department of the Army). Brother Wingard is a charter member of Mu Chapter, a member of ASCE, and a licensed professional engineer.

L. A. WOODMAN, Hon. '38, became director of the Bureau of Engineering Research at the University of Alabama on September 1, 1963.

STEPHEN D. MOXLEY, JR., '49, has been named engineering manager for Avco Corporation's Electronic Division operations in Huntsville, Alabama. He has been with Avco since 1957. Previously he was with Reliance Electric and Engineering Company and Continental Oil Company.

LEOPOLD J. CANTAFIO, '51, has been promoted to principal scientist at Raytheon Company, Equipment Division Headquarters. He lives in Stoneham, Massachusetts.

WILLIAM J. STONE, '59, is an instructor of aerospace engineering at Auburn University. He and his wife have a new daughter, Sharon, their second child.

LT. ALVIN D. MOORE, '63, is taking his pilot training at Laughlin AFB, Texas.

NU CHAPTER

DR. JOHN M. DANIELS, Hon. '22, recently participated in the annual meeting of the Association of College Admission Counselors in Philadelphia. In October he represented the Middle States Association of Collegiate Registrars and Officers of Admission at the inauguration of the new president of Waynesburg College.

JOHN C. MEIKLE, '24, has been in Washington, D. C. ever since leaving Carnegie Tech. He is Supreme Councilman of the Loyal Order of Moose.

JAMES G. KUESTER, '29, is president of Dean/Kuester Association, Inc. of Stamford, Connecticut.

IRWIN M. AISENBERG, '47, is now patent counsel for Sandoz Pharmaceuticals. He lives in Livingston, New Jersey.

WILLIAM H. KNOELL, '47, has been elected vice president of Crucible Steel Company, with responsibility for the corporate planning and development activities and for the Magnet Division. He had been secretary of the company since 1957. Brother Knoell received a bachelor of laws degree from the University of Pittsburgh after graduating from Carnegie Tech. He is a member of the Allegheny County Bar Association, the American Bar Association, Phi Alpha Delta, the American Iron and Steel Institute, and Pi Tau Sigma. He lives in Upper St. Clair with his wife and four daughters.

XI CHAPTER

WILLIAM B. MURPHY, '28, president of Campbell Soup Company, represented the University of Wisconsin on the CBS program, "Alumni Fun," on January 5.

LT. JOHN R. IMHOF, '63, is taking pilot training at Reese AFB, Texas.

OMICRON CHAPTER

PHILIP A. TEMPLE, '50, is chief product engineer with Home-O-Nize Company, manufacturing office equipment in Muscatine, Iowa.

LT. DAVID P. SCHMARJE, '60, has graduated from the Squadron Officer School at the Air University at Maxwell AFB, Alabama. He is being reassigned to the 6511th Test Group, El Centro, California.

PI CHAPTER

FREDERICK T. MORSE, '24, was awarded the Warner Reed Worcester Medal at the annual meeting of the American Society of Mechanical Engineers. The award is given annually to the individual who, prior to the past five years, has made "an outstanding contribution to the permanent literature of engineering."

HENRY L. KINNIE, '42, was honored recently at the annual meeting of the Virginia Society of Professional Engineers in recognition of his contribution to the profession in Virginia and for his service as a member of the State Board for Professional Registration.

RALPH E. O'DETTE, '45, has been appointed to the staff of the American Chemical Society's Chemical Abstracts Service in Columbus, Ohio. He will be director of external affairs, helping to keep industry, government, universities, and society members informed about CAS activities. Brother O'Dette has previously been with Standard Oil Company (New Jersey), the National Bureau of Standards Office of Scientific Publication, the United Nations Korean Reconstruction Agency, the Westinghouse Atomic Power Division, and the National Science Foundation. He is a member of the American Chemical Society, the AIChE, the AAAS, and the American Documentation Institute.

R. WHEAT WALLENBORN, '55, has been appointed general parts manager of Carter Machinery Company of Salem, Virginia.

RHO CHAPTER

W. TILFORD SMITH, '29, has been named executive vice president of the Newport News Dry Dock Company. He had been vice president in charge of production since June 1963, and was assistant to the president previously.

DANIEL MURRAY HOUSE, '33, retired from the U.S. Army Reserve last July as a full colonel with over 31 years in the program. In the Berlin Crisis of 1961, he was called to serve with the 100th Division for one year at Fort Chaffee, Arkansas.

THE GEAR OF THETA TAU

Brother House was recently honored by the Bluegrass Chapter of the American Business Women's Association in Louisville, Kentucky, as "The Boss of the Year in 1963."

CARROLL L. MANN, JR., '36, professor of civil engineering and head of the Civil Engineering Department's construction curriculum at North Carolina State, has been named director of the Facilities Planning Division of the Office of Business Affairs. He will have charge of the physical planning for new facilities on campus as well as the modification and renovation of existing ones.

JOE R. WHITE, JR., '61, was discharged from the U.S. Army Corps of Engineers last July. He is employed as a fire insurance inspector by the Factory Mutual Fire Insurance Companies and related Engineering Division.

SIGMA CHAPTER

REED DAVIS ACHAUER, '24, is a renegotiator with the Eastern Regional Renegotiation Board. He is a charter member of Sigma Chapter.

LT. ANTONE W. HAGEN, '62, has graduated from Officer Training School at Lackland AFB, Texas. He is being reassigned to Keesler AFB, Mississippi. Brother Hagen was formerly a laboratory assistant at Evans Chemical Laboratory, Ohio State University.

SIDNEY R. NEMZER, '62, is working as an electrical engineer at Aeronutronic Division of Philco on the Shillelagh Guided Missile System.

TAU CHAPTER

R. FORD PRAY, III, Hon., is now on the Technical Staff of the vice president and director of the Mechanics Division of Space Technology Laboratories, Inc. in Redondo Beach, California. His work is in the area of technical information and its communication.

UPSILON CHAPTER

JOE E. KUNKEL, '59, is now a registered professional engineer in Oklahoma.

WILLIAM C. WINTER, '60, is working as a plant layout engineer for the Bendix Corporation in Kansas City, Missouri. He was formerly employed as an industrial engineer for the Standard Register Company in Fayetteville. In January he received the MSIE degree from the University of Arkansas.

PHI CHAPTER

LT. JAMES I. MARRONE, '61, recently returned to the States after serving two years in Japan. He is aboard the USS *Toloca*na.

LT. JAMES H. ANDREWS, '62, is an aircraft maintenance officer assigned to the 305th Bomb Wing at Bunker Hill AFB, Indiana.

WILLIAM R. LEACH, '62, is developing applications for synthetic specialty rubbers for B. F. Goodrich Chemical Company in Avon Lake, Ohio.

CHI CHAPTER

ROY M. GOAR, '31, is with Black and Veatch, Consulting Engineers, in St. Louis, Missouri.

OTTO K. MANGUM, '31, is project manager of the Parker-Davis hydroelectric project located near Phoenix, Arizona. He has been with the Bureau of Reclamation for the past 22 years.

THOMAS LYLE MARTIN, JR., Hon., '42, is now dean of the College of Engineering at the University of Florida, Gainesville.

DAVID E. CREIGHTON, JR., '48, is with the Bureau of Reclamation in Arizona. Last year he received a superior performance award. Brother Creighton lives in Scottsdale with his wife, two sons, and two daughters.

CAPT. HARRY E. KRUMLAUF, JR., '58, is commanding an ammunition company located about 10 miles south of Seoul, Korea. He is still single. Brother Krumlauf has been CO of an Explosive Ordnance Disposal (Bomb Disposal) Detachment for the past five years.

DONALD J. ZIMMER, '58, is employed as the division drilling engineer for Shell Oil Company, San Joaquin Division, based at Bakersfield, California. He and his wife recently adopted a baby girl, Kristin Renée.

EDWARD R. WESTALL, '60, is employed by Peter Kiewit Sons' Company, and is currently working on the Pomona Freeway in East Los Angeles. He lives in San Gabriel.

HARLOW R. PETERSON, '61, is working on a management trainee program for Mountain States Telephone Company. In September he expects to go into the Army Signal Corps for two years.

PSI CHAPTER

JOHN F. SULLIVAN, '31, is employed by the U.S. Army Engineering Division, South Pacific, San Francisco, California, as chief, Construction Section. He is now entering his 30th year of federal service with the Army Engineers.

ED. B. TRUEWORTHY, JR., '32, was on a field assignment last winter for the Trans Arabian Pipeline Company in the Arabian Desert Peninsula.

DR. A. W. SCHLECHTEN, '37, has been named a director of the American Institute of Mining, Metallurgical and Petroleum Engineers. He is head of the Department of Metallurgical Engineering at Colorado School of Mines.

OMEGA CHAPTER

CHARLES T. SCHMIDT, '63, is a platoon leader with the 82nd Engineering Battalion in Bayreuth, Germany.

THETA BETA CHAPTER

W. BURNETT BONOW, '48, is on leave of absence from the University of Washington to set up a curriculum, to teach, and to train teachers in an engineering drawing and design sequence at a college in Ibadan, Nigeria.



Chapter News

Editor's note: The chapter letter theme this time is service projects. Our chapters are engaged in a variety of projects which are good publicity for Theta Tau as well as of real service to the school and local community. Read on and you will find that not only do our chapters work on their Engineering Open Houses, but they perform a variety of services for others. It is a real tribute to many of them that they undertake projects which show concern for human welfare—something which engineers are given all too little credit for doing. Perhaps some chapters will be inspired by the successful programs at other chapters to launch similar events on their own campuses.

ALPHA CHAPTER



Perhaps the area in which we at Alpha Chapter offer our greatest service is Engineers' Day, more commonly known on campus as E-Day. During this two-day period, tours are conducted through the various engineering departments for the benefit of all interested people. In addition to the tours, various displays are set up by the departments and societies. We at Alpha Chapter play our part in this area by having a display on some scientific topic of interest to both the layman and the science student.

Our after-finals party in December follows the Christmas theme with the usual exchange of gifts. These gifts are suitable toys that are later given to Santa Anonymous, an organization which distributes gifts to needy children. This has been a growing tradition at Alpha Chapter in the past few years, and we are very proud of it.

FREDERICK H. SEE
Corresponding Secretary

BETA CHAPTER



The men at Beta Chapter take pride in the many service projects that they take part in on campus. However, there are two projects in which we take special interest. The first of these is our annual Christmas party for the local Children's Home. Each member purchases a gift for a particular orphan whose name and age he is given. Then on the night of the party, one of our members disguised as Santa Claus distributes the gifts from under the Christmas tree. Due to the size of our membership, it is usually possible for each orphan to receive two gifts. The party is topped off with the serving of soft drinks, cookies, fruit,

and ice cream. In addition to offering a service to the community, we all receive a great feeling of personal satisfaction from this project.

Another of our important service projects is the assistance that our members give in Michigan Tech's Engineering Show. This event, held every other year, is the largest public attraction in Michigan's Upper Peninsula. Last year the number of persons viewing the exhibits was in excess of 30,000.

This show is organized and sponsored by the students of the University, with the objective of bringing together the concepts of science and engineering on the student and professional level. This event also serves to illustrate the application of scientific theory to engineering problems. In doing this, new developments in industry and science are revealed. The show itself is made up of exhibits sponsored by industries, groups, and individuals.

In the past, it has been the H & T's who have taken the initiative in planning this event. Last year, for example, Jim Love and John Korybalski were president and vice president, respectively, of the show. Holding the office of secretary-treasurer was Nick Mancinelli. For the forthcoming year, it is expected that Brothers Korybalski and Mancinelli will again hold offices on the show committee.

If the past is any indication of the future, this Engineering Show can be expected to grow to such proportions as to gain national recognition, and without any doubt, this growth can be partially credited to the presence of H & T's on the Planning Committee.

JOSEPH RHODEA
Corresponding Secretary

GAMMA CHAPTER

No Chapter Letter

DELTA CHAPTER



In the spring of 1961, members of Delta Chapter served as guides for the NASA exhibit at Case, for which we received a letter of appreciation from the president of Case.

In the fall of 1962, we served as ushers for a dinner of faculty, administration, local dignitaries, and businessmen at which the Ford Foundation announced an eight million dollar grant to Case. This banquet was also attended by ex-President Eisenhower.

We also yearly serve as guides for Orientation Week and Parents' Day.

TOM SEEMAN
Regent

EPSILON CHAPTER

No Chapter Letter

ZETA CHAPTER

LAWRENCE
KANSAS

The members of Zeta Chapter have for the last two years been cosponsors along with the Kansas Engineering Society of a seminar on professional engineering. The program of the seminar is a panel discussion by different men covering the following topics: the professional aspect of engineering, the importance of engineers in politics, and the importance of being an active member of a professional society. After the initial speeches, the meeting is opened to questions from the floor. Questions concerning the EIT examination are answered and sample problems worked.

Last fall some of the members of Zeta conducted guided tours through the new Engineering Building at its open house.

LARRY AKIN
Corresponding Secretary

THETA CHAPTER



During this academic year, the service projects of Theta Chapter have taken the form of lecture series. One lecture series featured addresses given by men from various fields of engineering; the meetings were open to the entire student body.

An orientation lecture series to aid sophomores in choosing their fields was also sponsored.

The brothers are energetically preparing for future projects. Among these are a trip to our Regional Conference and a celebration of the 50th Anniversary of the establishment of Theta Chapter.

MICHAEL D. WORTHAM
Corresponding Secretary

IOTA CHAPTER



Iota Chapter has many service projects. A few of these are the Theta Tau Campus Calendar, Freshman of the Year Award, and the "Ugly Man" contest.

Perhaps the most noteworthy of Iota Chapter's service projects is the "Ugly Man" contest. This is a contest to raise money for the March of Dimes. Each organization elects an "Ugly Man" candidate and the organization having the winner receives a plaque and a loving cup.

Last year Iota Chapter raised \$1,500 for the March of Dimes, which was half of the entire Phelps County total.

JERRY DAVIS
Corresponding Secretary



Iota's Lonnie Shelton, chairman of the "Ugly Man" Contest, presents a \$1,500 check to Mrs. Steir of the Phelps County March of Dimes.

LAMBDA CHAPTER



Lambda Chapter will serve the Engineering College again this spring when the University of Utah holds its annual Engineering Week. The members of Lambda will handle the publicity and serve as guides for the event.

The professional development program for this year has consisted of lectures on different aspects of engineering presented by local engineers and professors. The talks covered such broad areas as bridge building during the Italian campaign of the Second World War and the changing nature of engineering education. The meetings were open to members and visitors and proved to be most enlightening.

Lambda sent three delegates to the Regional Conference held February 22 and 23 in Golden, Colorado. Brother Joe Henslee won second place in the paper competition with his treatment of "The Ritual."

Next quarter's activities will include elections of officers, selection of an outstanding senior engineer, and the annual spring formal.

MICHAEL J. KIRKMAN
Regent

MU CHAPTER



Thus the membership of Mu Chapter is 100 percent represented in the various technical societies. Each of these societies has a program or lecture twice a month on some topic pertaining to its field.

This year the College of Engineering has sponsored a Distinguished Lecturer Series which brings some outstanding authority in the field of engineering to the campus each month. Mu Chapter has helped to sponsor and publicize these programs. Besides helping to sponsor these lectures, the Chapter usually has several people talk to the Chapter during the course of the year on topics of a nontechnical nature which we feel will be of benefit to our professional development.

Each year the Chapter helps sponsor Engineer's Day. This is done directly by the Chapter itself and indirectly through the technical societies. This year members served as ushers and guides for Engineer's Day also.

All of the members are proud of the part that Theta Tau plays in professional development, and feel that they as well as the nonmembers have received much from our program.

MALCOLM C. JOHNSON
Corresponding Secretary

XI CHAPTER



Xi Chapter has been pouring most of its energies into building up a good Chapter membership and a revamping of our local bylaws. Our efforts have been rewarded by the pledging of 25 men. With our 19 active members, we are now 44 strong.

One of our present projects is a result of the response to our Chapter newsletter by our alumni. We are attempting to consolidate their replies into one informative alumni newsletter which would serve to bring them up to date on brothers they knew when they were active members in Xi Chapter. We feel that a newsletter of this sort may be very interesting to our alumni and may serve to help reestablish old contacts.

At present Xi Chapter is employed in the better organization of the bulletin boards in the Mechanical Engineering Building.

Xi Chapter now has a housing committee which is looking into the possibility of renting a house for the fall semester of next year and the possible purchase of a house in the near future. A few buildings have been located, but there is still much planning to be done.

LARRY A. NORGAARD
Corresponding Secretary

OMICRON CHAPTER

No Chapter Letter

PI CHAPTER



Pi Chapter's main service project of the year is upcoming as the brothers help organize Engineering Open House, which will be held Saturday, April 18th. Each year the

School of Engineering and Applied Science sponsors an Open House for interested high school students, during which all the facilities of the Engineering School are open for inspection. This year the brothers of Pi Chapter have volunteered en masse to serve as guides during Open House. As a more frequent service project, the brothers of Pi Chapter serve as poll sitters for all Engineering School elections, which are held three times a year.

Pi's most recent efforts have been in the annual rushing period, which has just ended. We are happy to announce the pledging of all 23 men to whom we extended bids.

ROBERT SUMNER
Corresponding Secretary

RHO CHAPTER



The brothers of Rho Chapter have undertaken several projects this year. One was the annual Christmas Party for a group of children at the

State School for the Blind. With those who are not totally blind, the brothers engage in various sport activities. The children are presented with individual gifts and the group as a whole is presented with a gift, also.

Each year the Chapter sponsors a series of dinner meetings to foster professional development. As an example of such meetings, Mr. Rice, who is head of the North Carolina Engineering Licensing Board, spoke to us on the various aspects of professional development and responsibilities of engineers.

At the Engineer's Fair, the Chapter operates an information booth to assist strangers on the campus in locating the various exhibits. In addition, the Chapter operates a concession stand to earn money for the spring picnic.

Rho Chapter is continually seeking new projects to promote more effective service to the engineering students at North Carolina State.

WILLIAM R. SHARP, JR.
Corresponding Secretary

SIGMA CHAPTER



Sigma Chapter participates in the Annual Conference for Engineers and Architects (ACE) by acting as guides and hosts for returning alumni and their guests.

At the present time, we are preparing a display of Chapter and national activities to

THE GEAR OF THETA TAU

be presented in the Ohio State College of Engineering display case at the college office. The primary purpose of this is to familiarize new students with Theta Tau.

This Chapter has not produced a directory for several years, but work will start on a new one as soon as the alumni file is brought up to date on the new alumni cards recently received from the Central Office. Preparation of a directory is an easy task using the new cards, but only if they are kept up to date.

Some of the members of Sigma Chapter are participating in other group activities around campus such as Ohio Staters, Engineering Speaking Society, and writing for the College of Engineering publications.

PETER L. LEFFLER
Corresponding Secretary

TAU CHAPTER

No Chapter Letter

UPSILON CHAPTER



The service projects of Upsilon Chapter can best be described as "gung ho."

During the fall semester, on two successive Saturdays, members and pledges contributed their time and materials to the remodeling of the University of Arkansas Speech Clinic. The men of Upsilon repainted the outside of the building and did minor repair jobs on the interior, including repairing the stairway. The idea was brought to Upsilon by an engineer at the physical plant. We voted to accept the plan, then banded with the professional engineers of Fayetteville to carry it out.

The Chapter planned a big part in Engineer's Week in March. Many members worked on displays for their respective departments to be shown during Open House on Engineer's Day. Another activity connected with Engineer's Week is the St. Patricia Banquet, at which candidates for both titles are honored.

This spring during the student holiday, Gaebale, the Chapter was in complete charge of the coaster classic, which is a yearly campus event. Both members and pledges spent a great deal of time preparing for the classic. A permanent ramp built by the pledges can be disassembled and used again in the future. A group of members checked each car for safety and design and later conducted trial runs.

RONNIE DUNN
Corresponding Secretary

PHI CHAPTER



*Two seventeen days before Christmas, and all through the house, there were Theta Taus scurrying all over the house. The stockings were placed by the chimney with care, because everyone knew that the "Little Urchins" would soon be there.

Who are the "Little Urchins"?

Every year about this time, before Christmas vacation starts, the men of Phi Chapter invite four underprivileged children to the house. They are selected by contacting the Red Cross. It may sound funny, but when the question had been raised as to whether the children were to come over again last Christmas, one brother heatedly raised his arm and pointed due south and cried, "I'll go sixty miles to pick them up!"

A committee is appointed a couple of weeks before the party. They are appropriated fifteen to twenty dollars per child. The selection of gifts is left up to them; clothes and useful items are always bought. The toys are bought by the individual actives. The actives are divided among the children and are told to buy them an inexpensive gift. A Santa Claus is selected, usually the one who will need the least padding for the Santa suit.

As the days fly by and the appointed day approaches, small and large gaily-wrapped packages appear around the Christmas tree. Since the guys wrap their gifts, and as good as men are at gift wrapping, they surely look gay.

When the appointed Sunday arrives, pin women and dates start arriving around 12:30. About 1:15 the stags come filing down the stairs. The drivers leave to pick up the children.



Santa serves up the presents at the Phi Chapter Little Urchins Party.

After the drivers return, everyone is served a good hot Christmas dinner prepared by one of our two cheerful and motherly cooks.

After dinner the actives and their dates play games and talk to the children. And soon through the open French doors which separate our foyer from the living room comes jolly old Santa shaking like a bowl full of jelly. Santa then distributes the gifts and talks to the children. Everything is thrown into an uproar as the children open their gifts. And eyes which you would have sworn were only the size of a dime become half dollars.

After Santa leaves the pandemonium dies down and the day starts to wear on. As you look around the room and see what appears to be tons and tons

of gay-colored paper and suit coats scattered everywhere, you seem to think that an army had been there. You keep asking yourself whether it was worth it or not. But you don't have to look far for your answer because there in the middle of the floor, flooded by rays of sunlight, sit a pin woman and a little girl playing with a tiny doll she has just received from a Theta Tau.

TOM KIRCHNER
Corresponding Secretary

CHI CHAPTER

No Chapter Letter

PSI CHAPTER



This past year, Phi Chapter took an active part in the school-sponsored Engineering Days. The purpose of E-Days is to acquaint the public with the versatile field of engineering—exhibits, demonstrations, and lectures in fields of petroleum, geology, metallurgy, mineral dressing, and mining as well as exhibits in the humanities comprised the nucleus of E-Days. Active members of Phi Chapter, as well as pledges and faculty advisers, had leading roles in various development and management committees, and also gave excellent lectures and demonstrations in their various fields of study.

EDWARD L. SIMONICH
Corresponding Secretary

OMEGA CHAPTER



We here at Omega Chapter have several service projects which we carry out during the year, both for the school and for charitable organizations.

One service we perform for the school is to open some of our professional development meetings to the entire student body. We feel that the benefits to be gained from these meetings are of value to every prospective engineer, so they are well advertised on campus. This is also an excellent way to spread the name of Theta Tau across the campus.

The men of Omega Chapter also serve the school during its annual Spring Exposition. Several members act as guides on tours of the campus, and other members take care of registration and other administrative duties.

This year we decided to purchase something for the new Student Center on campus. To make money for this project, we sold cloth stickers with the school emblem on the front. The profit from the sale of these stickers will be used to purchase a stereo phonograph for one of the music rooms in the new Surbeck Center.

Also we endeavor each year to make money for some charitable organization such as the Crippled Children's Fund. We have tried several ways to

make money for this project. One year we sold apples to the students on campus. Another year we set up a booth downtown and sold coffee. No matter how it is done, it always turns out to be a lot of fun, and it gives one a good feeling to know that the money is being made to help needy people.

A little bit of news away from the topic of Chapter service—Omega Chapter is seriously considering building a new house. The house we have now houses 18 of our 40 active members. The plans for the new house we have in mind include room for 32 members. Many of the details remain to be worked out, of course, but it is a goal to strive for.

RONALD UTTECHT
Corresponding Secretary

GAMMA BETA CHAPTER



Gamma Beta's major service project during the previous semester consisted of providing the leadership for the George Washington University School of Engineering and Applied Science's Engineer's Week and Open House. Under the guidance of Brother McIntosh, 1,100 local high school students were given a tour of the Engineering School. Industrial displays emphasizing the growing importance of engineering were set up, and demonstrations of equipment in the laboratories were manned in the main by Theta Taus.

The balance of Gamma Beta's spare time has been devoted to preparations for the Regional Conference to be held here during the second week in March. Brother Siedle has worn himself down to the size of a liberal arts student to assure an interesting and rewarding Conference. The Conference promises to be an entertaining experience for all who attend.

MILLARD GARR
Corresponding Secretary

DELTA BETA CHAPTER



A Founders' Day celebration with alumni is scheduled for May 20. On May 13 there will be an all-campus open house. Also in the near future is the Jacqueminot Ball to be held April 24.

Delta Beta has been active socially so far this year. We have had several informal get-togethers with dates, soft drinks, and snacks. Several successful rush parties were held after basketball and football games. These, plus luncheons served by sorority girls, smokers, and a pre-game dinner resulted in the successful rushing and pledging of 12 new men. Five were pledged during informal fall rush and seven more pledged during formal all-campus rush this winter.

CHARLES GNERLICH



Beta Chapter's Christmas party for the Orphans Home shows a good deal of activity.



Mr. Rice, head of the North Carolina Engineers Licensing Board, addresses a Rho Chapter-sponsored dinner meeting.

Psi Chapter's Frank Panisko explains a photomicrograph of steel to an observer at Engineer's Open House.



One of the four children is opening a package at Phi's Christmas party.

EPSILON BETA CHAPTER



Wayne State is a relatively large university, and the small size of Epsilon Beta makes it quite hard for us to promote any large event. However, we do take an active part in helping most of the major activities on campus, both professional and social.

One member is elected each year to represent us on the Interfraternity Council, which in turn tries to better relations among fraternities and tries to put forth a better image of fraternity life. The various member fraternities take an active role by performing certain civic services and by performing tasks which may benefit the school as a whole, rather than just the Greeks.

Most of the activities of the Engineering School are promoted by the Engineering Student Faculty Board. Epsilon Beta has had up to nine members on the board at one time, either as officers, representatives of Theta Tau, or representatives of their respective societies.

The two most important events sponsored by the ESFB are the Snow Ball and the Engineering Showcase. The Snow Ball is the only large social event sponsored by the Engineering School. Consequently a great deal of effort is put forth to make it a success. Epsilon Beta has helped the effort this year by selling tickets and by stirring interest on campus. Most of the actives as well as a good number of the alumni put on their dancing shoes for the Snow Ball of 1964. The Ball was a complete success for the first time in several years.

Engineering Showcase falls near the end of April of every other year. Displays are normally set up by each engineering society and fraternity. However, as of yet we have not decided what our display will be. Money which may be needed for the displays is appropriated by the ESFB, although a number of the displays are supplied free of charge by some of the local industrial plants. The purpose of our Engineering Showcase is to get more high school graduates interested in engineering careers.

The ESFB has asked that each member of each society and each fraternity contact his old high school in regard to the Showcase. It now appears that the brothers of Epsilon Beta shall again go to high school.

RICHARD F. CALCATEBRA
Corresponding Secretary

ZETA BETA CHAPTER



Each year at Utah State University an event which is called Agathon is sponsored. All the high school students from the area are invited to visit the campus. Displays and exhibits are set up by the different departments and organizations of the University. There are also exhibits from companies such as Sperry-Rand Company, Hercules Powder Company, and Phillips Petroleum.

Last year Agathon was sponsored by the Engineering College. For a project at Agathon Zeta Beta Chapter set up a refreshment stand. Hot dogs, hamburgers, ice cream, and soft drinks were sold. It proved to be a good source of revenue as well as an informative program for high school students to inquire and learn about Theta Tau on USU campus and its goals and accomplishments.

LARRY R. ANDERSON
Corresponding Secretary

ETA BETA CHAPTER



Eta Beta's major project is an annual tea given for the international engineering students attending the University of Houston. Our tea last year was quite a success. Approximately half of the engineering faculty and about 30 foreign students attended the Sunday afternoon tea.

Throughout the year, brothers of Eta Beta Chapter are called upon to serve as ushers and session aides for the various society conventions and meetings. We also support and participate in the various school-sponsored activities. We also assist the engineering faculty whenever possible.

At the first of the year we were required to move out of our chapter house at 2308 Calumet in order to make way for a new freeway. At the present time we are carrying on a fruitless effort to locate a suitable house. We hope to find one before the semester ends.

JAMES R. SIMMONS
Corresponding Secretary

THETA BETA CHAPTER



Theta Beta Chapter has not yet participated extensively in service projects, but there is one we are currently performing that would probably be of interest to all. Biennially in the spring quarter, the University of Washington Engineering Students' Council (ESC) sponsors an Open House in which all the departments at the College of Engineering exhibit their wares to the public. In the past the task of organizing and operating refreshment stands during Open House has fallen into the hands of one council member operating with an *ad hoc* committee. This spring the brothers of Theta Beta are going to take over the refreshment stands, lock, stock, and barrel. Ron Leptich, who is also the secretary of the ESC, is the Refreshment Committee chairman and is receiving unified support of the men of Theta Beta in organizing and operating the stands.

The Chapter will operate three stands on two consecutive days. The Chapter is recruiting women from the women's living groups to operate the stands in two-hour shifts. In addition to the girls, the Chapter will have a brother at each location during all hours of operation. The refreshments are being purchased from local suppliers and will consist of hot dogs, coffee, soft drinks, and ice cream.

In performing this service to the ESC, the Chapter feels that it is contributing to the council's effort to make Open House a success and that it is operating a financially profitable venture that will help to defray other costs attendant to Open House.

JIM CHESNUTT
Corresponding Secretary

IOTA BETA CHAPTER



Iota Beta Chapter, newly installed on February 15, 1964, is continuing the service projects that were in operation when it was Chi Sigma Phi. The Chapter is expanding this program and plans are being formulated for this expansion at the present time.

Although we have no food or clothing drives for needy families, we annually participate in the clothing and food drives initiated by the sororities and women's clubs on campus. Clothing and food are donated by us, plus many hours of work by our active members and pledges in distributing and packing these materials at Thanksgiving, Christmas, and Easter.

To remind the University and its student body that St. Patrick was also an engineer, the Chapter annually, through its pledges, decorates the Engineering Building appropriately for this day.

Each year the Engineering Student Council sponsors two major projects. One of these is the High School Convocation. This program's prime objective is to acquaint local high school students with the University and its School of Engineering. This year, as in past years, we supplied the personnel for this affair. Some 400 high school students attend this event annually to hear talks, see displays, equipment, and experiments performed from the various branches of engineering.

Another project in which we take pride is our Big Brother program. This was initiated last summer by Iota Beta and we remain the only organization participating in this activity on the campus. We have started out in a small way and hope to expand in the future. At present, one member is a Big Brother to a fatherless boy. This member received training to qualify for this venture. He now carries out his responsibilities financed by our group. We plan to add at least one new Big Brother each school year until we have six. This, we feel, would be about the maximum number that we could underwrite.

RICHARD SALTURELLI
Regent

PACIFIC NORTHWEST ALUMNI ASSOCIATION

On October 15, 1963, another Alumni Association was installed in the ranks of Theta Tau. Twenty alumni of the Pacific Northwest Alumni Association, representing eight chapters, gathered for a Founders' Day dinner meeting and received their charter granted by the Executive Council. Present also were nineteen members of Theta Beta Chapter. This Chapter was sponsored by the Pacific Northwest Alumni. The evening's events included the election of officers: president, Bernard R. Terrant, Psi '37; vice president, E. Gordon Helling, Omega '49; recording secretary, George W. Rowbotham, Omega '49; corresponding secretary, Gerald L. Spieldenner, Eta Beta '61; treasurer, David P. Frerk, Omega '61; marshal, Jack A. Grimmer, Zeta Beta '61. Jay N. Thorpe, Lambda '57, who was most instrumental in forming the Association, was presented the Past President's medal.

In addition to the regular Association meetings, an officers' meeting is held every other month. On alternate months an unofficial social meeting with the wives present has been introduced and is gaining in popularity.

Also on the social calendar is the spring dinner-dance scheduled just after Easter. The Association plans to make this an annual function. The 1963 dinner-dance was quite successful.

A Housing Committee has been formed with Theta Beta Chapter to aid them in obtaining a house. Al Mathay, Omega '49, is chairman. His committee consists of Sam Colombo, Lambda '59; Roy McCready, Psi '39; Clarence Schrader, Psi '41 (and nephew of Founder Erich Schrader); and Jay Thorpe, Lambda '57.

An Extension Committee is hard at work, especially in forming local groups at Washington State University at Pullman and at the University of Idaho at Moscow. Preliminary contact has been made with administrators of both schools and prospects look very favorable. The committee consists of W. J. Larson, Alpha '50, chairman; Del Armstrong, Lambda '63; Richard Dickson, Omicron '54; and Jay Thorpe, Lambda '57.

The Pacific Northwest Alumni Association at the time of this letter is engaged in a concentrated effort to increase its membership. There are many individuals in the area that have not joined. Whenever possible, personal contact of these alumni is being made to bring them into the Association. Those who have not been contacted should contact Bernard R. Terrant, 2045 Rosepoint Lane, Kirkland, Washington.

GERALD L. SPIELDENNER
Corresponding Secretary

REPLACEMENT SHINGLES

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

Additions to Membership

ALPHA CHAPTER

- 736 Philip Oscar Isaacson, Minneapolis, Minn.
- 737 Cornelius Krollman, Hibbing, Minnesota
- 738 Albert Warner Libke, Side Lake, Minnesota
- 739 Michael Frank Vitek, Milwaukee, Wisconsin
- 740 David Edgar Aakre, Spring Valley, Minn.
- 741 Charles Larry Anderson, Thief River Falls, Minnesota
- 742 John Thomas Costello, Rochester, Minn.
- 743 William Miles Fredrickson, Duluth, Minn.
- 744 Edward James Kotrich, Jr., Minneapolis, Minnesota
- 745 Dennis Russel Oyard, Knife River, Minn.
- 746 James Douglas Walker, Hibbing, Minnesota

BETA CHAPTER

- 917 John Edwin Kunz, Ironwood, Michigan
- 918 Douglas Merle Fretz, Kirkland Lake, Ontario, Canada
- 919 Terry John Hardie, Kitchener, Ontario, Canada
- 920 Theodore Paul Volin, Houghton, Michigan
- 921 Douglas Lee Hanson, Superior, Wisconsin
- 922 David William Ramsay, Goodman, Wis.
- 923 James William Larson, Wausau, Wisconsin
- 924 George John Skoronski, Ironwood, Mich.
- 925 Frederick Arthur Richter, Detroit, Mich.
- 926 Donald Lee Collins, Menominee, Wisconsin
- 927 James Leslie Horton, Grand Blanc, Mich.
- 928 Ronald Danny Berdusco, Wawa, Ontario, Canada
- 929 Michael Marcus Shea, Albuquerque, N. M.
- 930 William Wade Heglund, Bay City, Mich.
- 931 Joseph Delmar Rhoda, Muskegon, Mich.

DELTA CHAPTER

- 1031 Ronald Walter Boenker, Cleveland, Ohio
- 1932 Richard Allen Curtis, Dover, Ohio
- 1033 Robert King Wehrle, Cleveland, Ohio
- 1034 Robert Harris Scanlan (Honorary), Cleveland Heights, Ohio

ZETA CHAPTER

- 671 John Robert Perry, Lawrence, Kansas

IOTA CHAPTER

- 951 David Joseph Blume, Jefferson City, Mo.
- 952 Dale Carl Brown, St. Louis, Missouri
- 953 Jerry Wayne Davis, Adrian, Missouri
- 954 Michael Louis Deelo, St. Louis, Missouri
- 955 Phillip Craig Dunn, Hazelwood, Missouri
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- 957 Paul Conrad Gerhardt, Jr., North Syracuse, New York
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- 833 John Phillip Duke, Hamilton, Alabama
- 834 Joseph Elbert Durham, Jr., Marietta, Ga.
- 835 Zane Mallette Hoit, Montgomery, Alabama
- 836 William Scott Johnson, Birmingham, Ala.
- 837 William Harold Kemp, Huntsville, Alabama

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- 216 Robert Sylvester Burdick, Rockford, Ill.
- 217 John Robert Imhof, South Milwaukee, Wis.
- 218 David James Richter, Fond du Lac, Wis.
- 219 Henry Robert Hahn, Jr., Madison, Wis.
- 220 Richard Allen Lehner, Racine, Wisconsin
- 221 David Michael Lucoff, Milwaukee, Wis.
- 222 Robert Reynolds Sims, Milwaukee, Wis.
- 223 Lawrence Andrew Soltis, Milwaukee, Wis.
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- 225 James Allen Beckwith, Ashland, Wisconsin
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- 227 Dwight Duncan Zeck, Eau Claire, Wis.
- 228 Gerald John Bizjak, Thorp, Wisconsin
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- 230 Curtis Allen Barton, Milwaukee, Wisconsin
- 231 Clark James William Dupont, Madison, Wis.
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- 233 James Lloyd Peterson, Wauwatosa, Wis.
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- 235 John Leo Beau, Peebles, Wisconsin
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Carroll L. Elliott, Alpha '30
Robert E. Pope, Zeta '52

William E. Franklin, Zeta '57
John R. Wahlstedt, Zeta '21
Richard C. Johnson, Beta '44.

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



Theta Tau Directory

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

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

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

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

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

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

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

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

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

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

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

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

*Deceased

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

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(*Gamma, Epsilon, Lambda, Chi, Psi, Omega, Zeta Beta, Theta Beta*)

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ALPHA Founded October 15, 1904 University of Minnesota
 515 Tenth Avenue, S. E., Minneapolis, Minnesota 55414*
Adviser: DR. ROY H. MATTSO, Department of Electrical Engineering, University of Minnesota, Minneapolis, Minnesota 55414

BETA Established March 26, 1906 Michigan Technological University
 U. S. Highway 41, Houghton, Michigan 49931*
Adviser: PROF. HERBERT W. HAWN, Mechanical Engineering Department, Michigan Technological University, Houghton, Michigan 49931

GAMMA Established November 8, 1907 Colorado School of Mines
 Box 134, Colorado School of Mines, Golden, Colorado 80401
Adviser: DR. RUDY C. EPIS, Department of Geology, Colorado School of Mines, Golden, Colorado 80401

DELTA Established May 23, 1911 Case Institute of Technology
 Theta Tau Box, Case Institute of Technology, Cleveland, Ohio 44106
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EPSILON Established May 4, 1911 University of California
 Box 12, Engineering Building, University of California, Berkeley, California 94704
Adviser: GEORGE P. REIDMAN, 2534 Moyers Road, Richmond, California 94810

ZETA Established April 17, 1912 University of Kansas
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THETA Established May 26, 1914 Columbia University
 c/o Dean's Office, School of Engineering, Columbia University, New York, New York 10027
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IOTA Established February 5, 1916 Missouri School of Mines and Metallurgy
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Adviser: PROF. FRANK J. CAPEK, Civil Engineering Department, Missouri School of Mines, Rolla, Missouri 65401

LAMBDA Established April 29, 1920 University of Utah
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Adviser: PROF. PRESTON D. LINFORD, Civil Engineering Department, University of Utah, Salt Lake City, Utah 84112

MU Established January 3, 1922 University of Alabama
 P. O. Box 3156, University, Alabama 35486
Adviser: PROF. WILLIAM K. REY, P. O. Box 664, University, Alabama 35486

XI Established January 13, 1923 University of Wisconsin
 Theta Tau Box, Mechanical Engineering Building, University of Wisconsin, Madison, Wisconsin 53706
Adviser: DR. G. A. ROHLICH, Associate Dean, Graduate School, Van Vleck Hall, University of Wisconsin, Madison, Wisconsin 53706

OMICRON Established February 3, 1923 State University of Iowa
 Theta Tau Box, Engineering Building, Iowa City, Iowa 52240
Adviser: DR. DONALD H. MADSEN, Engineering Building, Iowa City, Iowa 52240

PI Established May 26, 1923 University of Virginia
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Adviser: DR. GEORGE B. MATTHEWS, Department of Aerospace Engineering, University of Virginia, Charlottesville, Virginia 22903

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THE GEAR OF THETA TAU

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Please complete this information form and return it to the Editor. We will try to print what you want—just tell us what it is!

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ALUMNI NEWS

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

Name _____ Chapter _____ Class _____
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News of yourself and/or others _____

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

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

Name _____ School _____

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Look Back--Look Ahead

This October 15, we look back on a heritage that began 60 years ago. There will be celebrations all over the country to commemorate this event. This will be a time of looking back over our history and paying tribute to the persons who have built Theta Tau into the brotherhood which it is today. Much will be said about our Founders, our chapters, the loyal members who have carried forth through the years the traditions born in 1904, the environment in which we grew to our present strength, the times of testing, and the times of greatest reward.

The Convention to be held December 27-30, 1964, will see this celebration climaxed in proper style. But let us remember that yesterday is gone, today is fleeting by, but tomorrow is on the road ahead. It is on the future that we must concentrate. So we will pause and pay tribute, but we will also look ahead to the next milestone with a program of determination and vigor that will give us something to talk about on our 75th and 100th Anniversaries.

WEF

Both Barrels Please!

In this issue you have an opportunity to vent your feelings about this magazine. By giving you this opportunity, we have also imposed upon you an obligation to say what you want to read in *The Gear*.

The editorial policy of this magazine is straightforward enough, even if not specifically stated anywhere. It is to serve the purpose and ideals of Theta Tau Fraternity. Brotherhood is the central theme, or at least we try to make it so, and we try to cover the student members and alumni with a judicious balance. General Theta Tau news and news significant for our membership

from the fraternity world complete our spectrum of coverage. To go beyond this in content would be both unwise and wasteful of our resources.

These are the reasons why the questionnaire is "directed" into areas which we feel serve the purpose of *The Gear*. It is into these areas that you, the alumni, are asked to direct your ideas about features and content which you feel would serve the purpose of *The Gear* in a more meaningful way. So let us have both barrels, please.

WEF

PROFESSIONAL DIRECTORY

Beginning with the Fall 1964 issue, space will be available to members of Theta Tau who wish to publish their professional cards. The cost will be \$5.00 per listing or \$10.00 per year for about a one inch space. If you are in business as a consultant or with a company, place your listing with *The Gear*. Send your card along with remittance to *The Gear of Theta Tau*, 1507 Lynwood Drive, Lindsay, Oklahoma 73052. It will appear in the next issue after its receipt.

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