

Marked

THE GEAR OF THETA TAU



SPRING 1963

VOLUME LII

NUMBER 2

THE EXECUTIVE COUNCIL

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No minimum amount has been set, and all gifts are welcome. The form on page 48 is provided for those interested.



THE GEAR OF THETA TAU

SPRING 1963

VOLUME LII NUMBER 2

WILLIAM E. FRANKLIN, Editor-in-Chief, 1507 Lynwood Drive, Lindsay, Oklahoma

Contents

The Paul L. Mercer Convention	2
Theta Beta Installed at Washington	10
Theta Chapter to be Installed	14
Grand Regent's Message	15
Introducing the New Executive Council	16
Comments from the Central Office	18
Eta Beta Acquires House	19
Professional Development	20
Mike Martin is Outstanding Delegate	21
Alumni News	22
In Memoriam	27
Alumni Notes	29
25 and 50 Years Ago in Theta Tau	34
Chapter News	35
Additions to Membership	40
Theta Tau Directory	43

Cover Picture: Prof. William K. Rey, Theta Tau's new Grand Regent, is shown delivering the banquet address at the installation of Theta Beta Chapter at the University of Washington.

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The Paul L. Mercer Convention

The Convention was highlighted by the visit of Founder Lewis, the establishment of a full-time Executive Secretary position, and the approval of petitions from local groups at Washington and Columbia Universities. Honors went to Brothers Mercer, Howe, Hinckley, Omicron Chapter, and Alpha Chapter.

Theta Tau's Conventions traditionally are packed with hard work for the official delegates and the Executive Council of our Fraternity. Most of those who attended the Twenty-Fourth Biennial Convention December 27 to 30, 1962, in Louisville, Kentucky, will agree that tradition was certainly upheld this time also.

The Convention opened on a note of expectancy because there had been much advance preparation through the hard work of the interim committees, the Convention Planning Committee, and of the host, Delta Beta Chapter. The chapter delegates arrived with some background information and already appointed to working committees. After registering and passing the Credentials Committee, the delegates and alternates met with their committees and their duties were outlined by an alumnus adviser (usually the interim chairman of the same committee). By the time the buffet dinner was served on the first evening, activity was well along.

A highlight of the buffet dinner was the presentation of the key to the city to Grand Regent Britzius by a representative of the mayor. He and Grand Scribe Pope were also made honorary citizens of the City of Louisville.

First Session

The First Session officially opened the Convention immediately following the buffet dinner, and before the first day was over a number of officers' reports had been received.

Thus the Twenty-Fourth Biennial Convention was off to a fast start in what would be a busy and event-packed three days. Far into the night the committees and Executive Council met, considering the issues

which would be brought to the Convention floor later.

Friday, December 28, opened with the Ritual Workshop in the Louis the XVI Room of the Brown Hotel. At this session, Grand Scribe Pope covered the proper presentation of the initiation ritual and explained the traditions of Theta Tau in relation to the Ritual.

Delta Beta men then escorted the entire group to the Louisville campus, where a tour of their chapter house was offered to all persons attending the Convention. This was followed by a walking tour of the University campus and finally luncheon in the fine Student Union Building. The featured luncheon speaker was R. C. Ernst, Dean of the Speed Scientific School, who discussed the philosophy of the school and gave an official welcome to the visiting delegates.

A highlight of this event was the arrival of Founder William M. Lewis from Drexel



Jack James, Delta Beta Regent, welcomed the delegates to the Convention.



OFFICIAL CONVENTION PHOTOGRAPH

First Row: C. Ramond Hanes, Northern Regional Director; Milton S. Wunderlich, Archivist; Richard Lynch, Grand Marshal; William K. Rey, Grand Vice Regent; William M. Lewis, Founder; C. W. Britzius, Grand Regent; Paul Mercer, Grand Treasurer; Robert E. Pope, Grand Scribe; Charles E. Wales, Grand Inner Guard; Jay N. Thorpe, Grand Outer Guard; Garn Hatch, Western Regional Director; William E. Franklin, Gear Editor. *Second Row:* J. M. Dealy, Zeta; Virgil P. Hammerle, Eta Beta; George G. Dodd, Zeta; Dale Hoover, Sigma; Dwight E. King, Sigma; Dave Saliba, Sigma; Ron Michalak, Epsilon Beta; Donato Palizzi, Epsilon Beta; Prof. M. G. Northrop, Delta Beta Adviser; Andrew Nolan, Epsilon Beta. *Third Row:* Harry Marker, Omicron; Maurice M. Hargens, Omega; Jack James, Delta Beta; David F. L'Esperance, Omega; Micky Mayfield, Upsilon; Wayne Norton, Upsilon; Roger Kelley, Tau; Kirby Boston, Eta Beta; James T. Dixon, III, Mu; Henry Weber, Beta; Dwight D. Zeck, Xi; David M. Lucoff, Xi; Michael D. Martin, Alpha. *Fourth Row:* Lee B. Metrick, Tau; Thomas W. Stratton, Epsilon; John P. Larsen, Zeta Beta; John Ralph Buchanan, Rho; Gerald E. Lawson, Zeta; Wayne Pratt, Zeta; James Peterson, Alpha; Gerald J. Dittberner, Alpha. *Fifth Row:* William H. Mixon, Mu; George Haskin, Epsilon Beta; Bob Hollenbeck, Delta Beta; Richard H. Singer, Gamma Beta; Brian J. Boyle, Psi; Wendell McGee, Rho; John Keith, Delta Beta; Richard M. Jacoby, Pi; Joe Boetter, Epsilon Beta. *Sixth Row:* John M. Daniels, Jr., Iota; Tom McIntosh, Gamma Beta; Harvey J. Flatt, Gamma Beta; Michael McCaffery, Delta Beta; George Brinkworth, Gamma; Tony G. Idol, Rho; Tom Breese, Omicron; Ron Cullum, Omega; Larry Cracraft, Phi; Lowell Deckard, Phi. *Seventh Row:* John M. Daniels, Sr., Past Grand Regent; Chris B. Betwee, Epsilon Beta; Bruce C. Peters, Beta; Dennis B. Heppner, Delta; Kenneth Best, Delta Beta; Terry L. Campbell, Gamma; Bob Harvey, Delta Beta; Steve Hale, Delta Beta; Steve Marsh, Epsilon Beta; Burnell P. Curtis, Rho; Dick Gerstle, Delta Beta; J. Delvin Armstrong, Lambda; Tom Seeman, Delta; Heikki Joonsar, Omicron; Don Hinton, Delta Beta.

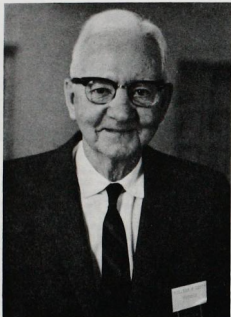
Hill, Pennsylvania, just before the luncheon. His energy, quick wit, and interest soon captured the attention of all who attended this Convention.

The business of the Convention was soon taken up again, as the Third Session opened. Again official reports were received from officers, Regional Directors, and interim committee chairmen. Then, after long debate led from the floor by chapter delegates, the Convention voted to drop the long tradition of having chapter reports read to the Convention by each delegate. Again flexing the delegates' parliamentary muscles and tuning everyone up for the coming business matters, a long debate followed in which the alternates' parliamentary func-

tions were more clearly defined. This Convention session ended with the way cleared for committee reports which would begin the next morning.

Prior to dinner, a Memorial Service was held in proper ritualistic form. At this time all brothers who had been reported deceased since the last Convention were honored. This was an especially solemn event because the name of Founder Erich J. Schrader was among those departed.

Dinner in the Assembly Room was followed by a panel discussion, led by the three Regional Directors present, on the subject of chapter rushing and pledge training. After brief introductory remarks by Brothers Hatch, Hanes, and Franklin, the



Founder William M. Lewis inspired many.

floor was thrown open for questions. A most lively discussion followed in which delegates, alternates, and guests entered with enthusiasm. This session resulted in idea interchange that was not a part of the official business, and after ending up on a discussion of the married student's place in Theta Tau, this event was adjourned so that committee meetings could begin again.

Saturday, December 29, burst forth with many of the committees ready to report after nearly all-night sessions. The bustle of activity in the Derby Room increased by the hour as committees scrambled to obtain a typewriter or use the duplicating equipment and rush to the Fourth Convention Session.

Now the business began in earnest as the Ritual Committee presented its report, assembled between Conventions and finalized at the Convention. In all, some 64 changes in the Ritual were offered. All but a few became part of our basic document by receiving the required unanimous

vote, thus reflecting the care and consideration that had been given in preparing the proposed changes. The changes were made to smooth up the procedures, clarify mechanics, improve the coded material, to rephrase a few passages, to outline some of the chapter customs, and improve the installation ceremony for officers. No basic wording changes were proposed in our Ritual proper, showing again that this document has withstood the changes of time and critical examination, and that the genius of our recently departed Founder Erich J. Schrader is still to live in his work.

The Fifth Convention Session brought another lengthy and carefully prepared committee report—that of Constitution and Bylaws. Again a firm base had been laid by the interim committee, and in all about 50 amendments were proposed, nearly all of which passed by the required two-thirds vote of the Convention. The report carried the proposal that the Constitution be reprinted during the 1963-64 biennium; the last printing was in 1932 and the need was apparent. A number of sections were updated, reworded, reorganized, and clarified. Again the basic structure of our Fraternity as described in the Constitution was left with only minor changes.

Among the changes in the Bylaws were provisions for the office of Executive Secretary and for the position of Historian-Archivist, provision for pledge tests prior to initiation, and a number of other amendments designed to clarify and smooth up operational procedures for the chapters, Convention, national officers, and alumni. The interim committee was continued in order to complete the work of reprinting the Constitution and Bylaws in 1963-64.

Late on Saturday afternoon, a formal initiation was held with Delta Beta pledges having the honor of becoming members of Theta Tau at a national Convention. The initiation team—Jack James, Delta Beta; J. Delvin Armstrong, Lambda; Henry Weber, Beta; Wayne Pratt, Zeta; James T. Dixon, III, Mu; and Wendell McGee, Rho—did an excellent job of presentation.



Bill Rey makes a point at a late meeting.



Past Grand Regent John M. Daniels, Sr., with Grand Regent Britzius.

Regional Conferences Committee: Roger Kelley, Tau; Dave Saliba, Sigma, Chairman; and Ron Michalak, Epsilon Beta.



Zeta men: (front) George Dodd, Wayne Pratt, Gerald Lawson; (back) Bob Pope, Bill Franklin, John Dealy.



Brian J. Boyle, Psi, presented the lengthy report of the Constitution Committee.



Grand Inner Guard Wales presented the Schrader Award to Harry Marker, Omicron Delegate.



Paul Mercer received his Citation for Service from Grand Regent Britzius.



Newly elected Executive Council members: Grand Outer Guard Charles E. Wales, Grand Scribe Robert E. Pope, Grand Regent William K. Rey, Grand Treasurer Charles W. Britzius, and Grand Inner Guard Jay N. Thorpe.

Fast Grand Regent Glass and Founder William M. Lewis.



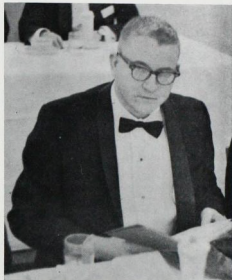
As the Convention ended, Brother Britzius passed the gavel to Grand Regent Rey.



Convention Banquet

This event was followed by the Convention Banquet. Grand Vice Regent Rey acted as toastmaster for the program. After reading a number of telegrams from Founders, Past Grand Regents, and others, presentations of honors were in order. The first presentation was duplicate charters to Beta and Xi Chapters by Grand Regent Britzius. Beta's charter, which was lost in the fire which destroyed the house, was accepted by the Beta Regent, Henry Weber. The Xi charter was accepted by David M. Lucoff, Xi Delegate.

Then to honor three of Theta Tau's most distinguished and loyal alumni, Brother Britzius presented Citations for Service to Paul L. Mercer, Omicron '21, Joe W. Howe, Omicron '24, and A. Dexter Hincley, Theta '27. Brother Mercer had served the Fraternity for 32 years as Co-Editor of *The Gear* and for 12 years as Grand Treasurer. Brother Howe was honored for being the "workhorse" Editor of *The Gear* for 32 years. Brother Hincley was honored for his long service to the Fraternity through the years, which included four years (1954-58) of service with distinction as Grand Regent. Brother Mercer, the only one of the three men able to be present,



Don "Leepy" Hinton, Chairman, Host Committee, at the Banquet.

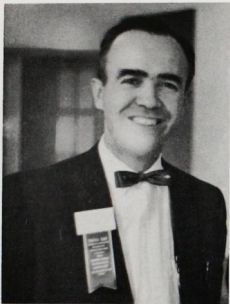
reflected on the many memories that Theta Tau had brought him and the personal friendships that he had developed over the years with so many brother Theta Taus. Fortunately, "Paul," "Joe," and "Dex" are still active in Fraternity affairs.

Schrader Award

Moving on to the honors for the chapters, Grand Inner Guard Charles E. Wales presented the Erich J. Schrader Award to Omicron Chapter, which won it for the first time. Harry Marker, Omicron Delegate, accepted it on behalf of the Chapter. The purpose of this award is to foster a greater degree of competition in scholarship and efficiency among the chapters. All factors of a chapter's operations are considered, including the efficient administration of all activities related to the Fraternity, the school honors of the chapter members, chapter scholarship, professional activities, and service projects. The award will be displayed at Omicron Chapter for the 1963-64 biennium. Second place went to Rho Chapter and third was awarded to Upsilon Chapter.



Archivist Milton Wunderlich represented the Twin Cities Alumni Association.



Garn Hatch, Western Regional Director.

Perhaps one of the delegates was then wondering if all awards would go for group effort or long service to Theta Tau, but this is not the criterion for the Outstanding Delegate award. Grand Scribe Robert E. Pope announced that Michael D. Martin, the active and personable young Delegate from Alpha Chapter, had won distinction on the Convention floor by being elected Outstanding Delegate by his fellow delegates.

Turning again to the elder statesmen, Russell Glass, Past Grand Regent, spoke for a few moments informally and gave some reminiscences of his World War II tenure as Grand Regent.

Then to the delight of all those present, William M. Lewis, Founder Number Three, gave some of the early history of Theta Tau and some of his recollections of 58 years ago when he was a student at Minnesota University and Colorado School of Mines. His wit and humor kept the members listening intently to his interesting accounts.

Last on the program, the Banquet address was delivered by John M. Daniels, Sr., Past

Grand Regent. He opened his address with a bit of humor, but soon moved to the subject of his talk, which was engineering education. Throughout, he related a number of points to Theta Tau. As director of admissions at Carnegie Institute of Technology, he drew on a number of years of experience for his observations.

With the Banquet over, everyone scattered—some for a night out, some to committee meetings, some to “bull sessions,” and the national officers to their third-in-a-row night meeting, which would last to the wee hours of Sunday morning.

The Last Day

By the end of the Sixth Session on Sunday, all of the committees had reported, although it seemed for a time that the last session would run past the time of many delegates' return travel reservations.

The Regional Conference Committee recommended that five regions be established in place of the present four to encourage larger groups of men to attend the Regional Conferences as a result of shorter travel distances. Much study had gone into this proposal.

The Publications Committee prescribed a number of recommendations, one of which was the proposal for a Theta Tau Songbook, and another which established a “theme” for the chapter newsletters. (See Chapter News section.)

The Convention Planning Committee, after observing the Convention in action, offered its suggestions for improving future Conventions. As in the past, several good recommendations were made to smooth the operations and squeeze more activity into the short time allotted to a Convention.

After discussing the design of a flag for some time on the floor, the Insignia Committee recommended that a Theta Tau flag design be established by a competition among the chapters.

The importance of the other committees cannot be overlooked in the action of a Convention, and even though their activities cannot be summarized in this report, there was certainly much hard work, long dis-

cussion on and off the Convention floor, and important matters to resolve. For example, the Budget Committee spent a great deal of time studying the costs of the Executive Secretary program, *Gear* publication, and the other aspects of operating the Fraternity before presenting the estimated costs of operation for the next two years. Likewise the Auditing, Credentials, Eligibility (curriculum), Expense Account Audit, Initiation Team, Nominating, Schrader Award, and Professional Development Committees all did their work well, presented complete reports, and left the Fraternity with a number of worthwhile projects for the coming two years.

The Extension Committee (after some hurried long distance calls to Washington State) was able to present the petitions of the local engineering fraternities of Epsilon Nu Gamma at Washington University and Delta Theta at Columbia University. Both were acted on favorably and became chapters of Theta Tau during the spring school term.

New Officers

The Nominating Committee's slate of officers was elected as presented and the following men took office at the end of the Convention to serve for the next two years: William K. Rey, Grand Regent; C. Ramond Hanes, Grand Vice Regent; Robert E. Pope, Grand Scribe; Charles W. Britzius, Grand Treasurer; Richard Lynch, Grand Marshal; Jay N. Thorpe, Grand Inner Guard; and Charles E. Wales, Grand Outer Guard.

The Resolutions Committee wound things up with the thanks of the Convention going to a number of people and places and with the Convention being named "The Paul L. Mercer Convention."

Tired, bleary eyed, and well rewarded for over 72 hours of hard work, informal and formal gatherings, the delegates and officers were soon scattered over the nation. The delegates, alternates, and visitors would return to their chapters with many new friends in Theta Tau, with fresh ideas, with enthusiasm, and with perhaps a better un-

derstanding of the inner workings of their national Fraternity.

The hard-working hosts of Delta Beta Chapter would feel the job as Host Chapter is not without its rewards and pleasures as well as work. Likewise the Executive Council and other officers would return to their engineering professional lives with renewed spirit and friendships which grow more solid as the years pass. For all those who attended the Twenty-Fourth Biennial Convention, the experience will long remain in their memories and they will look forward to the next Convention when Theta Tau will be 60 years old.

Convention Committee Chairmen

AUDITING

Terry Campbell, Gamma

AUDIT OF EXPENSE ACCOUNTS

Thomas W. Stratton, Epsilon

BUDGET

Wayne Pratt, Zeta

CONSTITUTION AND BYLAWS

Brian J. Boyle, Psi

CONVENTION PLANNING

Virgil P. Hammerle, Eta Beta

CREDENTIALS

William K. Rey, Grand Vice Regent

ELIGIBILITY

David M. Lucoff, Xi

EXTENSION

Henry Weber, Beta

INITIATION TEAM

Jack James, Delta Beta

INSIGNIA

Ken Pohlig, Iota

NOMINATING

R. Marshall Rice, Chi

PROFESSIONAL DEVELOPMENT

Lowell Deckard, Phi

PUBLICATIONS

Wayne Norton, Upsilon

REGIONAL CONFERENCES

Dave Saliba, Sigma

RESOLUTIONS

Donato Palizzi, Epsilon Beta

RITUAL REVISION

Richard H. Singer, Gamma Beta

SCHRADER AWARD

Gene Johnson, Omega

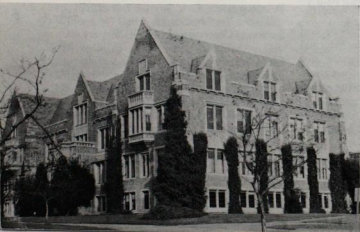


The "Columns" from the original University building.



The installation team with Founder Elwin L. Vinal. *Front row:* Grand Regent Bill Rey, Founder Vinal, Grand Scribe Bob Pope, Regional Director Garn Hatch. *Back row:* George W. Rowbotham, Faculty Adviser Roy McCready, Grand Inner Guard Jay Thorpe, Mark Gregoire.

Guggenheim Hall, the engineering building.



Theta Beta Installed at Washington

The Chapter at Seattle is our first in the Pacific Northwest.

by Garn Hatch, Western Regional Director

Theta Tau Fraternity has come to the great Pacific Northwest with the installation of Theta Beta Chapter at the University of Washington in Seattle. On Saturday, March 2, 1963, in rites at the Student Union Building, fourteen active members and one alumnus were initiated and the installation conducted for Theta Beta Chapter.

History of ENG

Epsilon Nu Gamma was organized as a professional engineering fraternity on February 7, 1962 at the University under the direction of Roy A. McCready, Psi '39, of the engineering faculty, along with the aid of then Grand Outer Guard Jay N. Thorpe and the Pacific Northwest Alumni Club. This initial group comprised ten members, including Professor W. Burnett Bonow of the engineering faculty.

From the time of its organization, Epsilon Nu Gamma has conducted weekly meetings oriented to a professional development program. During the past year, the fraternity has also participated in several social activities. The group's meetings have been held in the Student Union.

Theta Tau had long been interested in establishing a chapter at the University of Washington. When Jay Thorpe moved to Seattle in 1961 he acted with his usual enthusiasm in getting acquainted with the many Theta Taus in the area and found a great deal of interest among them in establishing both an alumni association and an active chapter in that area.

The Pacific Northwest Alumni Club was formed and has been very instrumental in assisting in the growth, development, and installation of the new chapter. In a meeting of the alumni club last July to review

plans for assisting the students in their petition for a Theta Tau chapter, there were present two of Theta Tau's four Founders and also the first initiate following the Founders. These were Founders Elwin L. Vinal of Mercer Island, Washington, and Isaac B. Hanks of Spokane, Washington, and the first initiate, E. Ralph Edgerton of Spokane, who wears badge number 5, Alpha Chapter.

The petition of Epsilon Nu Gamma to become a chapter of Theta Tau was approved by the Fraternity at its Twenty-Fourth Biennial Convention held in Louisville, Kentucky, December 27-30, 1962.

The University of Washington

The University of Washington was founded in 1861, 27 years before statehood. The original site was a ten-acre campus in what is now the center of downtown Seattle. It later became apparent that more room was needed for development, and the present 600-acre site between Lake Washington and Lake Union was selected. The first of the new buildings was completed in 1895. The four columns which stand at the center of the new campus are from the original university building in downtown Seattle.

The College of Engineering had its beginning with instruction in mining engineering in 1894 and electrical engineering in 1895. In 1898 the Department of Civil Engineering and the School of Mining Engineering were established on a firm basis with qualified faculty members. The College of Engineering was recognized as a major unit of the University in 1899. In 1901 electrical engineering was brought into a definite curriculum.

The College of Engineering now offers

THE GEAR OF THETA TAU



Charter members of Theta Beta Chapter. *Front row:* James L. Francalangia, Hugo W. Schimmelbusch, W. Burnett Bonow, James C. Chesnutt, John D. Winter. *Back row:* Andrew C. Messer, Claude S. Pope, Ronald C. Zentner, Svein Kopfelt.

Active initiates. *Front row:* George Vickers, Lawrence Stetson, Tobin Humphrey. *Back row:* Ronny Leptich, John Nilles, Richard Seaberg.



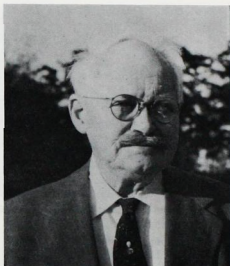
curricula leading to both bachelor and master of science degrees in aeronautical, chemical, civil, electrical, mechanical, ceramic, metallurgical, and mining engineering. Graduate study leading to the doctor of philosophy degree is available in aeronautical, chemical, civil, electrical, mechanical, and metallurgical engineering. The College has a faculty of more than 150 members. There are now in excess of 2,200 undergraduate and 600 graduate students enrolled in engineering curricula.

The Installation

Arriving in Seattle the day before the installation were Grand Regent Bill Rey, Grand Scribe Bob Pope, and Regional Director Garn Hatch. They were successively met at the airport by Grand Inner Guard Jay Thorpe, who, with his gracious wife Verlee, were hosts at their home for the three officers.

On Saturday morning national officers, ENG members, genial faculty adviser Roy McCready and other participating alumni met at the University and completed plans for the installation.

The initiation of the charter members, initiation of other active members, and installation of the Chapter were conducted in



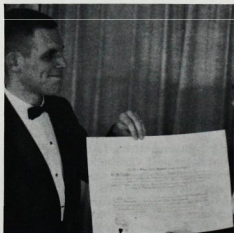
Founder Elwin L. Vinal

the afternoon at the Student Union by an installation team comprising Grand Regent William K. Rey; Grand Scribe Robert E. Pope; Jay N. Thorpe, Acting Grand Vice Regent; Roy A. McCready, Acting Grand Treasurer; Garn Hatch, Acting Grand Marshal; Mark C. Gregoire, Mu '54, Acting Grand Inner Guard; and George W. Rowbotham, Omega '49, Acting Grand Outer Guard.

Initiated as charter members of Theta Beta Chapter were James C. Chesnutt, Andrew C. Messer, Claude S. Pope, John D. Winter, Svein Kopfelt, James L. Francalanga, Ronald C. Zentner, Hugo W. Schimmelbusch, and Professor W. Burnett Bonow.

Following initiation of the charter members, the other active members of the Chapter were initiated. These were Tobin Humphrey, Richard Seaberg, George Vickers, John Nilles, Lawrence Stetson, and Ronny Leptich.

The Chapter and its officers were then installed by Grand Regent Rey. The Theta Beta Chapter officers installed were: James Chesnutt, Regent; Andrew Messer, Vice Regent; Claude Pope, Scribe; Svein Kopfelt, Treasurer; John Winter, Corresponding



Regent James Chesnutt receives Theta Beta charter from Grand Regent William K. Rey.



Founder Vinal, installation team, Seattle area alumni, and Theta Beta Chapter.

Secretary; Hugo Schimmelbusch, Marshal; James Francalangia, Inner Guard; Richard Seaberg, Outer Guard; and Tobin Humphrey, Pledge Trainer.

(On March 13, Theta Beta's new officers, who were elected before the installation, were installed. They are: John Winter, Regent; James Francalangia, Vice Regent; Richard Seaberg, Scribe; Ronald Zentner, Treasurer; and James Chesnutt, Corresponding Secretary.)

The Banquet

A reception and banquet were held Saturday evening at the Edmond Meany Hotel in the University district of Seattle.

Toastmaster was Jay Thorpe, who introduced the program for the evening. The invocation was given by Garn Hatch. Following a fine dinner, introductions of all present were made. Greetings were ex-

tended by Assistant Dean of Students and Fraternity Adviser, Alvin E. Ulbricksen, by Associate Dean of the College of Engineering, W. Ryland Hill, and by Robert E. Pope, Grand Scribe of Theta Tau. Response was made from Epsilon Nu Gamma by Regent James Chesnutt and from Theta Beta Chapter by Regent-elect John Winter. The address of the evening was by Grand Regent Bill Rey. Among the many alumni present for the installation and banquet were representatives of 12 chapters, including Clarence Schrader, Psi '41, a nephew of Founder Erich Schrader.

By now we had had a most successful day—clear skies, bright sunshine, an enthusiastic group of new active members, one more fine Chapter of Theta Tau, a pleased and interested group of alumni, good food, and fine fellowship.

Theta Chapter to be Installed

As *The Gear* went to press, plans were completed to reinstall Theta Chapter on April 13 at Columbia University in New York City. Theta became inactive in 1957 when a conflict arose between the Chapter and the Fraternity over some Theta Tau Constitutional provisions. Delta Theta, the engineering local fraternity at Columbia which succeeded Theta Chapter, success-

fully petitioned Theta Tau at the Twenty-Fourth Biennial Convention and received the required vote for reinstallation. Past Grand Regent A. D. Hinkley has been active in preparing the group for the obligations and responsibilities involved in being a chapter of Theta Tau. Theta Chapter was originally chartered on May 26, 1914.

Grand Regent's Message

Frequently, when alumni consider the possibility of rendering some form of assistance to Theta Tau, the only form of assistance that immediately comes to mind is the obvious one of financial assistance. While financial assistance is always welcomed, there are other ways in which each alumnus can contribute to the growth of our Fraternity that require no expenditure of funds and very little time or effort.

Each alumnus probably knows one or more engineering students on campuses where we have Theta Tau chapters. In the case of our younger alumni, these students may be younger brothers, former high school classmates who delayed their college education, or neighborhood friends. In the case of older alumni, these students may be sons, nephews, or the sons of business colleagues or neighbors. If this student is not a member of Theta Tau and is the type of young man that would be an asset to our Fraternity, the alumnus should notify the chapter concerned of his presence on their campus. On some of the larger campuses where it is difficult to become acquainted with even a small percentage of the student body, alumni recommendations could play a very important role in maintaining a high quality of membership. While chapters receiving alumni recommendations are under no compulsion to pledge the men suggested, they can be expected to give such recommendations serious consideration in their rush programs. This type of alumni assistance would be particularly valuable to the chapters that have encountered difficulty in obtaining the desired number of members. Our chapters could encourage this type of alumni participation by soliciting alumni recommendations in their chapter news-

letters and promptly acknowledging all alumni correspondence.

Alumni should also consider the many opportunities they have through personal contact to acquaint potential members with the benefits to be derived from membership in Theta Tau. It would be desirable to have every engineering student familiar with the purposes of our Fraternity before he even enrolls on a college campus. When an alumnus recommends a young man for membership to one of our chapters, he can perform a further service by recommending Theta Tau to the young man. Our alumni associations could perform this service on an organized basis by inviting high school seniors who expect to study engineering to a meeting for the purpose of introducing them to our Fraternity and also answering some of their questions about the nature of engineering.

During the past few years our Fraternity has promoted an expansion program designed to offer the benefits of Theta Tau membership to a larger number of students by establishing new chapters on campuses that meet our requirements. The installation of Eta Beta, Zeta Beta, and Theta Beta Chapters along with the reinstallation of Theta Chapter during the last three years is evidence that our policy of selective expansion is meeting with success. However, we should recognize that, since many of our chapters operate at less than full strength, we can also expand by making an effort to have each of our chapters increase its membership to the constitutional limit. As has been indicated, alumni can play a very important role in this phase of expansion.

WILLIAM K. REY

Introducing . . .

The New Executive Council

GRAND REGENT William K. Rey, Mu '45, has previously served Theta Tau as Grand Vice Regent and Grand Outer Guard. He is professor of aerospace engineering at the University of Alabama. Brother Rey's professional memberships include the American Institute of Aeronautics and Astronautics, ASEE, Air Force Association, AAUP, Tau Beta Pi, Pi Mu Epsilon, Sigma Gamma Tau, Omicron Delta Kappa, Jaxons, and AAAS. He is listed in *American Men of Science* and is a registered professional engineer in Alabama. Brother Rey lives in Tuscaloosa with his wife, daughter, and son.



GRAND VICE REGENT C. Ramond Hanes, Sigma '24, lives in Columbus, Ohio, where he is Engineer, Research and Development for the Ohio Highway Department. He is currently a vice president of the NSPE and is a past president of the Ohio Society of Professional Engineers. A charter member of Sigma Chapter, Brother Hanes has previously served Theta Tau as a Regional Director and Grand Inner Guard. He is a trustee of Sigma of Theta Tau Association, Inc. His hobbies are gardening and amateur building. His family includes his wife, two children, and seven grandchildren.

GRAND SCRIBE Robert E. Pope, Zeta '52, continues to hold this position as well as the newly created position of Executive Secretary of Theta Tau. His office is in his home in Saint Louis, Missouri. Brother Pope previously served Theta Tau full time as Travelling Secretary. He is a member of Sigma Tau, Tau Beta Pi, Phi Lambda Upsilon, and Omicron Delta Kappa; an associate member of AIChE; a senior member of the American Chemical Society; and a member of the Engineers' Club of Saint Louis. He is a licensed professional engineer. He has visited every chapter in his work.



GRAND TREASURER Charles W. Britzius, Alpha '33, continues to serve on the Executive Council after completing two terms as Grand Regent. Previously he has served as Grand Vice Regent, Grand Inner Guard, and Grand Outer Guard. Brother Britzius lives in Deephaven, Minnesota, with his family, which includes six children. He is president of Twin City Testing and Engineering Laboratory, Inc. and Soil Exploration Company of Saint Paul. He is past State and Regional Director of NSPE and ASCE. His chief hobby is playing tennis, and he is active locally in Boy Scouts, PTA, etc.



GRAND MARSHAL Richard Lynch, Epsilon Beta '53, has been in Puerto Rico for several months as the project engineer for Alpha-Burke-Wilhelm, a joint venture construction company. He has worked for the O. W. Burke Company in Detroit for nine years. He is a member of ASCE, a registered professional engineer in Michigan, and a captain in the Air Force Reserve. Brother Lynch is a charter member of Epsilon Beta Chapter, and served Theta Tau as Grand Inner Guard before his election as Grand Marshal in 1958. A bachelor, his hobbies include sports and travel.

GRAND INNER GUARD Jay N. Thorpe, Lambda '57, lives in Bellevue, Washington, with his wife, two daughters, and son. He is employed by Boeing Airplane Company in Seattle, where he works on the Dyna-Soar project. Brother Thorpe has previously served Theta Tau as Grand Outer Guard and Regional Director. He has been instrumental in the establishment of two chapters—Zeta Beta and Theta Beta. Brother Thorpe served in the Navy during World War II in all theaters of action and was called into service again in Korea in 1950.



GRAND OUTER GUARD Charles E. Wales, Epsilon Beta '53, was previously Grand Inner Guard. He is currently working on his doctorate in chemical engineering at Purdue University. He teaches part time and has a Ford loan. Brother Wales is on leave of absence from the Chemical Engineering Department of Wayne State University. He is a registered professional engineer in Michigan and a member of AIChE. Extracurricular activities include fossil hunting, writing programmed problems for his stoichiometry class, and doing a "refresher series" on phase equilibria for McGraw-Hill.

Comments from the Central Office

Theta Tau, already with more chapters than ever before in its history, approved the petitions of two new groups at its recent Convention. We are pleased that installations this spring mark the establishment of our first chapter in the Pacific Northwest and a return of Theta Tau to Columbia University.

In other action, the Convention directed that the Council implement the position of Executive Secretary and consolidate for the first time in one place the routine central office duties previously distributed among the Grand Marshal, the Grand Treasurer, and the Grand Scribe. Untold numbers of past and present chapter officers will doubtless applaud this action which will make for easier chapter-Fraternity liaison. At the time of this writing, most of the transition problems have been solved. The practice of having one member employed full time in Theta Tau work, begun in 1959, will continue. His additional duties can be handled through stenographic assistance as required.

Increased size per se does not make our Fraternity better. Neither does operating a Central Office. These factors only give us the opportunity, not the guarantee, of serving our members better, and of fulfilling more completely the purpose of Theta Tau.

In all areas of our activities, the efforts of the Executive Secretary alone would be most ineffective. Progress requires the efforts of many Theta Taus devoting a part of their spare time to some area of our group activity in which they have a particular interest or opportunity to serve. All members—students and alumni—are encouraged to let our Central Office know of their willingness to undertake Theta Tau duties on a local or national level.

Since the Convention, information reaching the Central Office has been most encouraging regarding opportunities for further extension during this biennium, and increase of alumni interest in the affairs of our Fraternity. We look toward the future with confidence.

ROBERT E. POPE

Two Manuals Are Revised

Two manuals used by the chapters of Theta Tau have been revised and reprinted. The *Pledge and Membership Manual*, a 16-page booklet used in pledge training, has been updated to include the most recent information about the Fraternity. A new feature is the provision of forms for the pledge to use for recording information about national officers, his own chapter,

financial obligations, etc.

This is Theta Tau is an eight-page booklet for use by the chapters in rushing prospective pledges. It contains many facts about Theta Tau, stressing the advantages of a professional fraternity. The booklet is illustrated and has a red and white cover.

Both of these manuals can be obtained through the Central Office.

Eta Beta Acquires House

by Wayne F. Small, Eta Beta '62

On May 13, 1961, Eta Beta Chapter of Theta Tau was installed. On the installation night, its members pledged to compete to win its place among the best chapters of Theta Tau. Since that night all possible effort has been directed to that aim.

One of the greater efforts to secure the existence and strength of the Eta Beta Chapter was the acquisition of a fraternity house. Located in Houston's elite Riverside area at 2308 Calumet, the brick, vine-covered house, owned by Houston multimillionaire Hyman E. Finger, is equipped with five extra-large upstairs bedrooms, four baths and showers, a 16' x 24' upstairs study and library, dining room with facilities for 24, large main kitchen, a 16' x 25' living room, a terrazzo-floored music room with a baby grand piano, and a 19' x 49' party room complete with a walk-in bar and attached kitchen. The upstairs and downstairs are completely carpeted, draped, furnished, and air conditioned. An intercom system simplifies the communication problem in the house. The house is designed

so that noise in the party room cannot be heard in the sleeping area.

The play area outside includes a large screened patio with a built-in bar, an outside dance floor with a Texas-size barbecue pit, and a swimming pool with a protected television for poolside pleasure. A double garage with an apartment above adds to the living and play area of the house.

A daily feature of the house is a meal service for Eta Beta actives, pledges, and their guests. Members of other social fraternities on campus visit the house every day for the noon and evening meals. The meal service is an important part of a program to better unite Eta Betas in fraternal brotherhood and to establish a position of respect among other fraternities on campus.

At present there are seven members living in the house, including Steve Hale from Delta Beta, who is on the University of Louisville co-op program with NASA.

Our alumni have organized to be of assistance to the local active Chapter. The future is filled with the promise of an even stronger Fraternity.



Professional Development

The author draws on his experience as chairman of the Professional Development Committee and his association with NSPE activities.

by C. Ramond Hanes, Grand Vice Regent

Professional development means many things to many people, but to members of Theta Tau its true meaning should be well defined. Before any state laws were enacted providing for the registration of engineers, the purpose of Theta Tau was "to develop and maintain a high standard of professional interest among its members . . ." Theta Tau men have been in the forefront in establishing engineering as a profession since our Fraternity was founded. Thus our professional leadership and development programs assume increased importance in not only furthering the purpose of our Fraternity but of the profession of engineering generally.

Professional development involves going the "second mile" as so ably expressed by the late Dr. William E. Wickenden (Delta Hon. '04). Engineering's professional mark is its distinguishing ethical code in relationships with clients, colleagues, and the public. Professional development involves not only upgrading the rules of professional conduct, but at the same time constantly adhering to those rules. The more meaning we give to these principles, both by our conduct and our contributions to raising the standards, the more we contribute to professional development.

Many medical schools indoctrinate professional concepts by precept and example, which is a mark of the long heritage of medicine as a profession. Such an approach is necessary and desirable also by engineering faculty and particularly alumni of Theta Tau. Some engineering schools believe it to be desirable to go beyond this approach and require a course in "The Engineering

Profession." Student chapters of the National Society of Professional Engineers (NSPE) have professional development programs.

Regardless of programs of varying nature which may be available to engineering students, Theta Tau chapters are obligated to indoctrinate our brothers in the principles which must be observed in professional development. This can be done by having well-conceived professional development programs which follow a definite pattern. Chapter programs should include subjects of the following nature:

- The Criteria for a Profession**
- The Obligations and Responsibilities of the Professional Engineer**
- The Growth of Engineering Registration in the U. S. and Function of the National Council of State Boards of Engineering Examiners**
- The Canons of Ethics of the Engineering Profession**
- History of the Engineering Profession**
- The Other Professions**
- "The First Five Years" - ECPD**
- A Professional Guide for Young Engineers - ECPD**
- Criteria for Professional Employment of Engineers**
- Professional Development Programs of Companies**
- Professional Development Award of NSPE**
- The Unwritten Laws of Engineering - W. J. King**
- How a Professional Attitude Can be Instilled in Engineers - NSPE**
- Thoughts on Professionalism - NSPE**
- Total Professional Development - NSPE**

Chapter programs relating to each of these subjects could be presented by engineers in the area who are particularly qualified for a given subject. Theta Tau alumni should be given first consideration in seeking speakers to present the subjects.

The availability of Theta Tau brothers can be established through chapter alumni records and alumni clubs and associations. The experiences of the alumni in their fields will give professionalism real meaning and be mutually beneficial to both the chapter members and the alumnus giving the presentation. The most effective presentation should be brief with ample time allowed for questions and discussion by all.

Programs of this nature will be a real

challenge to Theta Tau alumni and provide them with a worthwhile program—something which is often lacking. The alumnus will render a great service to his Fraternity and he will be following through with Theta Tau's companion purpose "to unite them in a strong bond of fraternal fellowship." Thus professional development and fraternal fellowship are united in providing the basic elements for a professional engineer and a true Theta Tau member.

Mike Martin is Outstanding Delegate



MICHAEL D. MARTIN, Alpha, was elected "Outstanding Delegate" by vote of his fel-

low delegates at the Twenty-Fourth Biennial Convention. This is the highest honor which Theta Tau can bestow on an active member. The award was presented by Grand Scribe Robert E. Pope at the Convention Banquet. Mike is the eleventh man to be chosen Outstanding Delegate.

A native of Huron, South Dakota, Mike was initiated into Theta Tau by Omega Chapter in May, 1962. At South Dakota School of Mines, he was a member of the Singing Engineers.

In the spring of 1962 he was awarded an appointment as a Navy Regular student at the University of Minnesota. The appointment included a four-year scholarship. When he transferred to Minnesota, Mike also transferred to Alpha Chapter, which he now serves as rushing co-chairman. He is a sophomore in applied mathematics.

Mike was a member of the Eligibility Committee at the Convention, and took an active part in all Convention activities.

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 41, Missouri.



Alumni News

Joe Engle is Theta Tau's Astronaut Candidate



Captain Joe H. Engle, Zeta '55, is among the 10 newly selected students to attend the Air Force Aerospace Research Pilot School for training as a possible astronaut or space project manager. He is the youngest pilot yet chosen to attend the course at Edwards AFB, California.

Brother Engle, a native of Chapman, Kansas, received his B.S. degree in aeronautical engineering at the University of Kansas in 1955. Before going on active duty with the Air Force in March, 1956, he worked as an engineer for Cessna Aircraft Corporation, Wichita, Kansas.

At Webb AFB, he received the "highest overall student rating" in flight training. Brother Engle came to Edwards AFB in August, 1961 to attend the eight-month test pilot course after four years of flying F-100 Super-Sabre jets. He has been a fighter test pilot at Edwards since April, 1962.

With Brother Engle are his wife, Mary, daughter Laurie Jo, and son Jon.

Russell Glass is Vice President of Macomber

Russell G. Glass, Sigma '24, has been named vice president and general manager of Macomber Incorporated, a wholly owned subsidiary of Sharon Steel Corporation. Brother Glass, a director of Macomber Incorporated, has been actively engaged as a designer, engineer, contractor, and sales executive for steel building framing since 1925. The company is a manufacturer of open web steel joists and roof decking.

Brother Glass was previously vice pres-

ident and treasurer of Moore and Glass Incorporated, Euclid, Ohio, a firm specializing in building framing. He presently serves on the Board of Directors for Euclid Electric and Manufacturing Company, Structural Products Incorporated, and the Euclid Crane and Hoist Company.

He is a professional engineer and was a Naval officer during World War II. Brother Glass is a charter member of Sigma Chapter and a Past Grand Regent.

Dr. Thoma is New President of Indiana Institute

Dr. Edward C. Thoma, Phi Honorary '38, has been selected to become the third president of Indiana Institute of Technology at Fort Wayne, Indiana, on August 31, 1963.

Brother Thoma received his B.S. and M.S.E. degrees from Purdue University, and in 1958 he received the Ed.D. degree from the University of Illinois. He began his teaching career at Purdue University in 1938 when he was appointed an assistant instructor in the School of Civil Engineering and a research assistant in the Materials Laboratory of the Engineering Experiment Station. He has advanced to full professor of civil engineering and assistant head of the Department of Freshman Engineering. He served in World War II in the field artillery in the Pacific Theater, and was released with the rank of major.

Brother Thoma is a member of the ASCE, ACI, and ASEE professional societies, and Sigma Xi, Tau Beta Pi, and Chi Epsilon. He is a registered professional engineer in Indiana and is listed in *Who's Who in Engineering* and *Who's Who in the Midwest*.

Brother Thoma and his wife, Virginia, have four children and "an ever-changing but always 25 or more adopted young men in Phi Chapter." He has served as faculty adviser to Phi Chapter since shortly after his initiation in 1954. Brother Thoma is especially proud of Phi Chapter's fine record as students and for devotion as fraternity men. This past semester they ranked first among all fraternity actives and ranked second overall by a scant margin. Brother



Thoma also currently serves on Theta Tau's Professional Development Committee.

Indiana Institute of Technology is an all science and engineering college of 1,500 students and awards the B.S. degree in aeronautical, chemical, civil, electrical, and mechanical engineering and in mathematics, physics, and chemistry. The college is accredited by the North Central Association and looks forward to ECPD accreditation soon. At that time Brother Thoma has expressed the hope that Theta Tau will sponsor a chapter on the Indiana Tech campus.

Kent Van Horn is New Alcoa Vice President

Dr. Kent R. Van Horn, Delta '26, has been elected vice president in charge of research and development for Aluminum Company of America, Pittsburgh, Pennsylvania. He is also chairman of Alcoa's research and development committee. Brother Van Horn is a 33-year career man with Alcoa. He is recognized as one of the world's leading

authorities on light metals.

When he was 39 years old, Brother Van Horn was the youngest president ever elected by the American Society for Metals. He is also a past president of the Society for Non-Destructive Testing, and a member of AIME, ASTM, and the British Institute of Metals.

Dr. Schlechten Moves to Colorado School of Mines



Dr. Albert W. Schlechten, Psi '37, has been named head of the Department of Metallurgical Engineering at the Colorado School of Mines in Golden. He will also direct the school's proposed Institute of Extractive Metallurgy. Brother Schlechten has been chairman of the Department of Metallurgy at Missouri School of Mines since 1946. He is widely known for his work in extractive metallurgy.

Prior to joining the MSM faculty, Brother Schlechten was head of the Mining and Metallurgy Department at Oregon State College (now University), a faculty member at the University of Minnesota, and an industrial research engineer and metallurgist.

Brother Schlechten received his doctorate at the Massachusetts Institute of Technology. He is a member of ASEE, the

American Society for Metals, Sigma Xi, AIME, and the American Foundrymen's Society. He has served as chairman of ASEE's metallurgical committee, as chairman of the AIME Council on Education, and at present is a director of the Metallurgical Society. In 1962 he was a member of the special National Academy of Science committee which studied the metallurgical section of the Bureau of Mines. In 1953 the American Society for Metals named him "the outstanding teacher of metallurgy."

He is the author of many technical articles, and is the editorial adviser on mining and metallurgy for the *Encyclopaedia Britannica*. He also edits the Extractive Metallurgy section of *Chemical Abstracts*.

Brother and Mrs. Schlechten have five children.

Willard Hardesty Receives Award of Merit

Willard A. Hardesty, Jr., Zeta '32, received the Award of Merit of the Federal Safety Council in Chicago, October 30, 1962. He is regional protection officer for Region 8 of the General Services Administration, with headquarters in Denver, Colorado. He has held the position for the past 11½ years. The presentation was made by the Assistant Secretary of Labor, Esther Peterson, at the National Safety Congress.

Reasons for the award included over ten years of continuous active service on the Policy Committee and two terms as chairman of the Denver Federal Safety Council.

After graduation he spent a number of years in private employment, then joined the Federal Government as an employee of the U. S. Army Ordnance Department in 1942. He has also worked for the Federal Bureau of Mines.

Heylin Successful in Utilities Line Construction

Gordon S. Heylin, Kappa '28, is a prominent industrialist in utilities line construction. He is the founder and president of Utilities Line Construction Company, Inc. of Jenkintown, Pennsylvania, and also owns the George W. Ellis Company, Boston, Massachusetts. Both of these enterprises are involved with the construction of transmission and distribution lines and station work for public utility companies. They represent the largest contracting operators in the country in this particular line of work.

Brother Heylin was employed by the Detroit Edison Company for 17 years after his graduation from the University of Illinois. For the last six of those 17 years he was superintendent responsible for the construction, maintenance, and operation of their transmission and distribution lines.

He is also president of the Wilcox-Woolford Company, manufacturers of a new product, vinyl-covered wood veneer used for flooring, paneling, and interior decoration in the newer automobiles. Brother Heylin is a director of the Industrial Valley Bank and Trust Company of Philadelphia,



and a vice president of the National Electrical Contractors Association.

His civic activities include serving as district chairman for Boy Scouts of America and as chairman of the Physical and Educational Department of YMCA. Brother Heylin and his wife have three children.

Distinguished Teacher Award Goes to Roy Drier



Dr. Roy W. Drier, Beta '26, is the 1962 recipient of the Albert Easton White Distinguished Teacher Award. The award was presented at the American Society for Metals Awards Luncheon on October 30, during the National Metals Congress and the World Metal Show in New York City. The award recognizes unusually long and distinguished service in the teaching profession.

Brother Drier was educated at the Michigan College of Technology, and received the first earned Ph.D. granted by the college in 1934. His career of service to his Alma Mater was interrupted only by four years of military duty and five years in in-

dustry. He retired from his teaching post at Michigan Tech in 1960.

An expert on X ray, Brother Drier established the X-ray program in the metallurgical engineering curriculum at Michigan Tech. In 1953 he was awarded the Faculty Research Citation, the first awarded by the

college. Brother Drier is noted for archeological research on prehistoric mining in the Copper Country and on Isle Royale. He is the author of many research and technical bulletins.

Brother Drier now lives in Calumet, Michigan.

L. G. Feil Receives Civilian Service Award

L. G. Feil, Zeta '28, has been awarded the Meritorious Civilian Service Award for outstanding performance in his capacity as chief of Engineering Division, U. S. Army Engineer District, Kansas City. The award was presented on December 19, 1962. Brother Feil started with the Corps of Engineers in 1933 as an architectural draftsman and has progressed steadily to the top civilian position in the district, which he has held since July, 1950.

Under Brother Feil's leadership, the Engineering Division has been responsible for work involving about one-third of a billion dollars in civil works and close to one-half billion dollars on the military program.

Brother Feil is a member of the ASCE, and has recently been selected to serve on a national committee of that organization. He has served as president of the local chapter. His other civic activities include Boy Scouts and church work. In 1955 he earned the "Civil Servant of the Year" award in the Greater Kansas City area.



Garn Hatch Heads Utah Engineering Council

Garn Hatch, Zeta Beta '56, has been elected chairman of the Utah Engineering Council. The council is represented by two men from each of the 12 member engineering societies of Utah. Brother Hatch is a charter member of the Utah Section of the American Rocket Society and is editor of the council's journal, *Utah Engineering and Science*.

He is a weapons systems engineer for the Sperry Utah Company. Brother Hatch is an artillery veteran of World War II and Korea, and he is presently commander of the 4th Rocket-Howitzer Battalion, 11th Artillery at Fort Douglas, Utah.

Brother Hatch is a charter member of Zeta Beta Chapter and serves Theta Tau as Western Regional Director.

In Memoriam

ELLIOT V. BAUSERMAN, *Gamma '25*, died March 25, 1962 in Washington, D. C. He was 64 years old. Brother Bauserman was educated at Virginia Military Institute and Colorado School of Mines. He was also a member of Sigma Alpha Epsilon. During the decade of 1930 and early 1940's, he was with the Bureau of Mines and wrote several reports on the Oklahoma and East Texas oil fields. Early in the war he transferred to the Department of Internal Revenue, and he spent the rest of his career with that organization in Washington, D. C. Brother Bauserman's wife died October 15, 1962. (*Mines Magazine*)

HOWARD L. BEVER, *Delta '22*, died recently. He was president and general manager of South Shore Construction, Inc. of Port Clinton, Ohio. He had been engaged in the construction of municipal water and waste treatment plants for the past 35 years throughout Ohio, Michigan, Pennsylvania, and Indiana. South Shore Construction, Inc. was formed in 1954. Brother Bever was a veteran of World War I, a 32nd degree Mason, a member of the Ismalia Temple of Buffalo, New York, and a member of the Elks Lodge. He is survived by his wife, a son, a sister, and a brother, Clarence A. Bever, *Delta '13*.

JOSEPH P. BUCKHANNAN, *Zeta '17*, died November 2, 1962 in Hutchinson, Kansas. His work took him to homes in Western Kansas, Eastern Kansas, Washington, D. C., Independence, Missouri, and finally Dodge City, Kansas. Brother Buckhannan is survived by a son, two daughters, four sisters, two brothers, and five grandchildren. (*K. U. Alumni Magazine*)

JOHN C. BUSH, JR., *Alpha '10*, died June 10, 1962. His wife survives.

IRVING L. (BILL) COFFMAN, *Zeta '32*, died December 7, 1962 at his home in Westfield, New Jersey. He was employed by Phillips Petroleum Company for 30 years and was assistant manager of the Sales and Development Division of the company's International Department in New York City. Brother Coffman was born in Dayton, Ohio. After graduating from the University of Kansas, his work with Phillips took him to Bartlesville, Oklahoma and McGregor, Texas, before he went to New York. A memorial scholarship in his honor has been established at the University of Kansas. Brother Coffman is survived by his wife, a son, Donald L. Coffman, *Zeta '61*, another son at the University of Delaware, his mother, and a brother.

PAUL F. CUTTER, *Delta '18*, died recently.

KUNO DOERR, JR., *Gamma '27*, died October 13, 1960. He had a distinguished career following his graduation from Colorado School of Mines.

In 1959 he received the School's Distinguished Achievement Medal. In 1960 he received four awards. A gold medal was awarded when construction at Toquepala, a high grade copper deposit in Peru, was completed. He received a silver medal from the Peruvian Army for earthquake relief. The City of Arequipa also gave him an award for earthquake relief. For his humanitarian actions, the Peruvian government gave him the Scroll and Ornaments, the highest honor Peru can bestow upon a foreigner. Brother Doerr was also a member of Beta Theta Pi. (*Mines Magazine*)

RAYMOND E. EBERT, *Omicron '25*, died recently in Tampa, Florida.

G. ALBANI EK, *Alpha '16*, died September 10, 1962. A survivor is W. S. Ek, *Alpha '21*, his brother.

THEODORE W. HELWICK, *Delta '21*, died November 22, 1962 in Auburn, New York. For the past three years he had been production manager at Dollinger Air Cleaner Corporation, Rochester, New York, and for nine years prior to that he was plant manager at the Remington Corporation, Auburn. Brother Helwick is survived by his wife, two daughters, and a son. (*Case Alumnus*)

THOMAS H. HENDERSON, *Pi '24* (charter), died July 13, 1962 in New Orleans, Louisiana. He was an engineer for du Pont. Brother Henderson was also a member of Delta Upsilon.

THOMAS LESLIE HINCKLEY, *Alpha Honorary '06*, was accidentally killed by an automobile while crossing the street on September 7, 1962. Brother Hinckley graduated from the Massachusetts Institute of Technology in 1906. The major part of his career was spent as an engineer in the field of municipal research. He began this career as director of the Bureau of Municipal Research in Westchester County, New York, and followed this with a similar assignment in Milwaukee, Wisconsin. He was also at one time associated with the Bureau of Municipal Research in Toronto, Canada. During World War I, Brother Hinckley served as a captain with the U. S. Army in Paris. For five years, beginning in 1927, he was associated with the Bureau of Municipal and Industrial Research at MIT, serving three years as director. He spent 18 years in service for the State of Massachusetts, and was in charge of municipal research with the Massachusetts Department of Corporations and Taxation at the time of his retirement. His home was in Cambridge. Brother Hinckley was a life member of the Appalachian Mountain Club, a member of the Boston Kiwanis Club and the Economy Club of Cambridge, and was senior deacon of the First Church (Unitarian). He is survived by his wife and a brother.

THE GEAR OF THETA TAU

JOHN FREDERICK HOLMES, *Beta '22*, died November 8, 1962 in Hancock, Michigan. He was also a member of Sigma Nu.

JOHN R. HUMPHREY, *Iota '42*, died September 6, 1961. He was employed for 20 years by the Ingersoll Rand Company as a sales engineer. Brother Humphrey served in the Navy in World War II. He was a member of AIME and was a 32nd degree Mason and a Shriner. He is survived by his wife.

CLARK HUNGERFORD, *Upsilon Honorary*, died October 18, 1962. He was chairman of the board of the St. Louis-San Francisco Railway Company.

JAMES U. MACEWAN, *Psi '33*, died July 31, 1962 in Montreal, Canada. He taught at Montana School of Mines from 1932 to 1936, and received his M.S. degree there. In 1936 he became a professor of metallurgy at McGill University in Montreal. From 1946 until his retirement in 1961, he was chairman of the Department of Metallurgy there. Brother MacEwan is survived by his wife.

ERWIN JOHN MILLER, *Alpha '29*, died in December, 1960.

RYCROFT G. MOSS, *Zeta '27*, died August 23, 1962 in Oklahoma City, Oklahoma. He received his M.S. at the University of Kansas in 1931, and his Ph.D. at Cornell in 1933. He then joined Phillips Petroleum Company in Bartlesville, Oklahoma. In 1949 he started his own engineering firm in Oklahoma. Brother Moss is survived by his wife, a daughter, and two sons. (*K. U. Alumni Magazine*)

THOMAS D. MUELLER, *Phi '29*, died November 14, 1962 of a heart attack. He was products engineer for Graver Tank and Manufacturing Company, Division of Union Tank Car Company, Chicago. Brother Mueller was a charter member of Phi Chapter. He lived in Calumet City, Illinois, and is survived by his wife, a son, and a daughter.

DONALD F. PANCOAST, *Delta '17*, died January 13, 1963 at his home in Punta Gorda, Florida. He retired three years ago from his position as engineer-economist for the Ohio Department of Highways. He was also a member of Eta Kappa Nu. (*Case Alumnus*)

RUSSELL I. ROBINSON, *Phi '42*, died September 17, 1962 at Mequon, Wisconsin. He was manager of special purpose alternating current engineering for the Louis Allis Company, which he joined in 1946. His survivors include his wife, a daughter, three sons, a sister, a brother, and his mother. (*Purdue Alumnus*)

ROBERT W. SCHULKE, *Delta '42*, died of a cerebral hemorrhage on September 17, 1962. He had been district sales engineer of the Babcock & Wilcox Company in New York City since 1947. (*Case Alumnus*)

MERTON I. SIGNER, JR., *Gamma '50*, died October 31, 1962 in Carlsbad, New Mexico, following a stroke. After he graduated from Golden High School, he enlisted in the Marine Air Corps and served for four years in World War II, spending much of his time in the South Pacific area. Following his graduation from Colorado School of Mines,

he worked for a time in Montana, then became employed by Internal Minerals. He worked in Chicago, Canada, and Carlsbad. Two years ago he was employed by U. S. Borax Company. Brother Signer was a member of AIME and other mineral industry organizations. He is survived by his wife, five children, his mother, and a sister. (*Mines Magazine*)

JAMES RALPH STAGG, *Zeta '24*, died November 29, 1962. He was employed in the engineering department of Phillips Petroleum Company in Bartlesville, Oklahoma. Following graduation from the University of Kansas, he lived in Lawrence, Kansas, in Texas, and in Tulsa prior to moving to Bartlesville in 1953. Brother Stagg is survived by his wife and a daughter. (*K. U. Alumni Magazine*)

DR. WESLEY POPE SYKES, *Delta '16*, died December 22, 1962. Before his retirement he was research metallurgist for the Cleveland Wire Works of General Electric. He was a lecturer in the Metallurgical Department of Case for many years and, in 1961, endowed a prize in metallurgy through the Case Fund at the Institute. Brother Sykes was also a member of Phi Kappa Psi, Tau Beta Pi, and Sigma Xi. (*Case Alumnus*)

ARTHUR J. WEINIG, SR., *Gamma Honorary '08*, died September 23, 1962 in Golden, Colorado. He was an internationally known consulting engineer. He began his career at the Liberty Bell Gold Mining Company in Telluride, Colorado. He moved to Golden in 1924, where he was director of the experimental plant of the Metal Exploration Company until 1949. He was a consultant for many companies, the inventor of several mining processes, and the author of many technical articles. In 1930 Brother Weinig was awarded the gold medal of the Colorado Engineering Council and in 1944 he received the Colorado School of Mines medal for excellence in engineering. He was a member of Tau Beta Pi, AIME, AAAS, Mining and Metallurgical Society of America, American Geographic Society, Torrey Botanical Club, *Who's Who in America*, *Who's Who in Colorado*, *Who's Who in Engineering*, and *Who's Who in Science*. Brother Weinig is survived by his wife and a son, Arthur J. Weinig, Jr., *Gamma '38*, chief engineer, Arab Potash Company, Ltd., Ammon, Jordan. (*Mines Magazine*)

TERRY EUGENE WILSON, *Beta '65*, died December 14, 1962 in an automobile accident while returning home from the Michigan College of Mining and Technology for Christmas vacation. He was a sophomore in electrical engineering. Brother Wilson was an outstanding athlete at Tech, having earned four letters (football, swimming, and track) in four terms of competition. Before entering Tech in September, 1961, he was a student at Waterford High School in Waterford, Michigan. Brother Wilson was also very fond of outdoor life, especially canoeing, archery, and hunting. In his memory, the Varsity Club has inaugurated the Terry Wilson Award for the most outstanding and deserving freshman athlete of the year. Brother Wilson resided in Pontiac, Michigan, where he is survived by his parents, two sisters, and a brother.

Alumni Notes

ALPHA CHAPTER

KENNETH A. JOHNSON, '21, has retired to Dunedin, Florida, after 39½ years with U. S. Steel. His career included seven years on the Mesabi Range, 20 years of fluorspar mining in Mexico, Kentucky, and 13 years of coal mining in Harlan County, Kentucky. He and his wife are enjoying the warm Florida climate.

JAMES E. ROBERTS, '44, has been named district manager for overhead traveling crane and electric hoist sales in Harnischfeger P & H's newly consolidated Milwaukee-Minneapolis territory. He is happy to be back in the Milwaukee area after 10 years in New York City.

BEN B. FLOOD, '59, has been transferred to Springfield, Missouri, as service representative for Caterpillar Tractor Company. His wife, daughter Sharon, and son Jeffery are with him.

PHILIP W. SCHASKER, '60, has been with the Aero-Space Division of Boeing Company in Seattle since July, 1961. He is a supervisor responsible for a major subcontract for the design, development, and production of the Test Instrumentation Subsystem (telemetry) for the X-20 Dyna-Soar manned space orbital vehicle. Still single, he travels frequently to Florida for Boeing. Brother Schasker is attending graduate school at the University of Washington and expects to receive a master's degree in international business.

BETA CHAPTER

JAY J. WILLIAMS, '59, has left the Hanna Mining Company in Michigan and is now a process and industrial engineer with the Magnetic Products Division of the Three M Company in Freehold, New Jersey.

GAMMA CHAPTER

BEN C. ESSIG, '15, has been elected to a rare third term as president of the Colorado State Chamber of Commerce. He is a former executive and director of Gardner-Denver Company. Brother Essig previously served a two-year term as president of the Denver Chamber of Commerce.

PROF. G. W. LEMAIRE, '26, has been on the faculty of Colorado School of Mines since 1946. His 20 years of industrial experience include 18 years with the Standard Company (New Jersey) and its affiliate, the Humble Oil Company, and two years with the Frontier Refining Company. Brother LeMaire is a registered professional engineer in Colorado.

JOHN L. ROBISON, '31, has been appointed general manager of Kermac Nuclear's uranium mining and milling operations at Grants, New Mexico. He previously served as manager of Gunnison Uranium mining and milling operations.

E. H. JEFFRIES, '34, is district manager of the Surface Combustion Division, Midland-Ross Corporation, Cleveland, Ohio.

ROBERT L. OLUND, '36, was recently made branch manager of the Cincinnati office of Ingersoll-Rand Company.

LT. COL. LOUIS E. BREMKAMP, '38, has a new assignment as chief of operations under the 8th Army Engineer, Seoul, Korea. In February he received an Army Commendation Medal with Second Oak Leaf Cluster. His 15-year-old daughter is a sophomore in high school.

DONALD H. DOWLIN, '42, is with Allen and Garcia Company, consulting and construction engineers, in Chicago. Last summer he spent seven weeks in India on a coal assignment for his company.

ROBERT H. EVERETT, '43, has been named chief engineer, Stooksberry Tank Company, Inc., La-Fayette, Louisiana. After service in World War II, Brother Everett became a directional-drilling and oil well-surveying engineer on the Gulf Coast with Eastman Oil Survey Company. In 1951 he joined Sohio Petroleum Company, and in 1952 he joined Stooksberry. He will continue his consulting work as a licensed petroleum engineer in Louisiana.

DELTA CHAPTER

R. A. McDOWELL, '21, retired in March after 40 years' service with the Reliance Electric and Engineering Company. He plans to build his retirement home on Cedar Cove Point, Sandusky, Ohio. In January Brother McDowell was awarded a Life Membership certificate by the United States Power Squadrons for the completion of 25 years of meritorious service. He is a past rear commander.

OSCAR W. TORRESON, '23, retired in January after 27 years with Carnegie Institution of Washington as geophysicist, and 11 years with the Operations Research Office of the Johns Hopkins University as chief of publications and chief of personnel. He is looking forward to many activities which he had no time for before.

STANLEY A. MIDNIGHT, '29, is executive vice president of the American Shipbuilding Company in Cleveland, and is responsible for all operations of the company, its four yards, and its office and engineering staff. Previously he was with the Cuyahoga Engineers Office, the Draftsman Bridge Department, and the American Telephone and Telegraph Company. Brother Midnight is a member of the Society of Naval Architects and Marine Engineers and the Westwood Country Club.

ROBERT S. SUTTON, '39, has been promoted to senior patent engineer in the Patent Section of the Armco Steel Corporation's Research Division, Middletown, Ohio.

THE GEAR OF THETA TAU

ALBERT L. BAIETTI, '42, moved to California in 1950. For 12 years he was head of the Health Physics Division of the U. S. Radiological Defense Laboratory. In October, 1962 he accepted a position as senior health physicist with Tracerlab, West. He is a certified health physicist. With him are his wife Helen, and three sons, Gary, John, and Mark.

RICHARD R. McLAUGHLIN, '50, has been appointed a development engineer of Titan Engineering at IBM's Space Guidance Center in Owego, New York. He became an associate engineer in 1957 and a project engineer in 1959.

DR. BERNARD J. STEIGERWALD, '53, has been appointed to the staff of the U. S. Public Health Service's Robert A. Taft Sanitary Engineering Center in Cincinnati. He is assistant to the chief, Laboratory of Engineering and Physical Sciences, the Division of Air Pollution. Brother Steigerwald received his Ph.D. from Case in 1962 and was on the faculty there for three years. He also is a consultant and the author of eight scientific publications.

DAVID A. SCHEUNEMANN, '59, is employed by the Tennessee Valley Authority in the Project Planning Branch, Division of Water Control Planning, in Knoxville, Tennessee. He previously worked for the State of Ohio Department of Highways for two years, and then attended the State University of Iowa, where he received an M.S. in hydraulic engineering.

EPSILON CHAPTER

GLOYD M. WILES, '23, presented the 1962 Jacking Lecture at the AIME Annual Meeting held in New York, February, 1962. He is manager of the Mining Department, National Lead Company, in New York.

PAUL (ERNIE) SCHULZ, '32, is regional naturalist for the Southeast for the National Park Service. His area includes east and south of Arkansas to the Atlantic and Caribbean, with headquarters in the new Federal Building in Richmond, Virginia. He helps to popularize geology and the other natural sciences with 88 million national visitors annually. Brother Schulz hopes to return to California in the foreseeable future.



DR. JOHN J. REED, '43, has become head of the Department of Mining Engineering at the Colorado School of Mines in Golden. Brother Reed has been professor of mining at Mines for the past two years following five years in Southeast Missouri as head mine research engineer for the St. Joseph Lead Company.

JOHN Q. SIMS, '58, is an engineer geologist on the Oroville Dam in California.

ZETA CHAPTER

DEANE E. ACKERS, '17, chairman of the board of Kansas Power and Light Company, Topeka, Kansas, received an honorary doctor of science degree from Washburn University. He also has received a Distinguished Service Citation from the University of Kansas and a Meritorious Service Award from Sigma Tau.

HOMER EAGLES, '20, is a tax consultant in New Rochelle, New York, following his retirement as assistant manager, Tax Department, of Standard Oil of New Jersey.

J. LLOYD BARRON, '23, of Garden City, New York, is a private consultant in industrial sanitation and sanitary engineering following a post-retirement trip to Europe with Mrs. Barron.

WALDO BOWMAN, '23, editor of *Engineering News-Record*, recently took a 25-day professional tour of Russia. As official representative of U. S. engineering groups, he travelled 13,000 miles to study current and proposed hydro-electric dam construction. His home is in Douglaston, L. I., New York.

HENRY GUY GREGORY, '23, a civil engineer for the Southern California Edison Company in Los Angeles, is doing engineering on the subsidence phenomenon at Terminal Island, Long Beach.

DEAN A. MCGEE, '26, succeeded the late Senator Robert S. Kerr as chairman of the board of Kerr-McGee Oil Industries, Inc.

JAMES PERRY MAY, '28, took an early retirement from General Electric and moved to Blacksburg, Virginia. He is vice president of the Poly-Scientific Corporation in charge of marketing. His company makes parts for the inert guidance system for missiles. Brother May is listed in *Who's Who in Engineering*.

MANLEY HOOD, '29, returned to K. U. to deliver an engineering lecture on "What We are Learning from Space." He is staff assistant to the director of NASA's Ames Research Center in California. He specializes in the management of NASA's scientific programs.

D. MARK JOHNSON, '33, has been promoted to director of safety engineer services in the home office of Employers Mutuals of Wausau, Wisconsin. He had been branch accident prevention manager for the company in Dallas, Texas. Brother Johnson, his wife, son Paul, and daughter Karen, have just moved into a new home in Wausau.

PAUL E. SHAAD, '33, was one of a group of 12 technical advisors under Secretary of the Interior Udall who went to the Soviet Union last August. It was his second trip to Russia. Brother Shaad lives in Sacramento, California.

WILLIAM C. DOUCE, '41, has advanced to director of the Plastic Sales Division of the Phillips Chemical Company in Bartlesville, Oklahoma. He started with Phillips in 1942 and has been with them since that time, except for a period as director of mobilization planning with the U. S. Department of Commerce.

LT. COL. GERNARD D. DEAN, '43, was reassigned last August to the U. S. Army Electronics Command, Fort Monmouth, New Jersey. He is chief of the Research Department, U.S.A. Electronics Command.

J. B. LADD, '46, is executive vice president of Consolidated Oil and Gas, Inc., Denver, Colorado. The company is a rapidly growing organization engaged in drilling, oil and gas production, and other activities.

RICHARD F. NELSON, '46, is chief mechanical engineer in Shell Oil Company's Houston area Production Department. He formerly had a similar position with Shell Oil of Canada, Ltd. Brother Nelson's family includes Mrs. Nelson and four children.

CHARLES D. SHRAKE, '46, is working for Caterpillar Overseas, S.A., as Far Eastern Engine Representative. He is living in Tokyo, Japan. Brother Shrake is the father of two sons.

L. M. RICKARDS, '50, returned to the U. S. in July after spending 12 years in Venezuela with Phillips Petroleum Company, most recently as chief geologist of Venezuelan operations. He is now assistant director of exploration of the International Department of Phillips Petroleum in Bartlesville, Oklahoma. Brother Rickards has a son, eight years old, and a daughter, four.

H. A. CUNNINGHAM, '51, transferred in July from the Kansas City Refinery of the Phillips Petroleum Company to the Refining Department in Bartlesville, Oklahoma.

GEORGE R. MCNEISH, '51, is a consulting geological engineer in petroleum development and production in Winfield, Kansas.

ROBERT A. KIPP, '52, is city manager of Vandalia, Ohio.

FRANK ROBL, '57, is back in Kansas as a production engineer for Mobil Oil Company after two years in Casper, Wyoming. He is located in Wichita.

LT. ROBERT H. MCCAMISH, '58, expected to finish work for a master's degree in electrical engineering from the University of Kansas in February. He was to go to Thailand with the Air Force in March.

LT. ALLEN D. SMITH, '58, is working for an M.S. degree at Texas A & M College under the Army Corps of Engineers' civilian schooling program.

LT. (j.g.) TOM DOMVILLE, '60, lists his permanent duty station for the rest of his Navy tour as NAS Cecil Field, Florida.

DONALD L. COFFMAN, '61, is employed as a design engineer at the Plains Plant of Phillips Chemical Company in Borger, Texas. He and his wife, Jane, have just bought a house.

WILLIAM FISHER, '61, married Miss Mary Fassnacht on June 2 in Prairie Village, Kansas. He works for an aircraft company in Hartford, Connecticut.

JAMES A. CLUTZ, '62, is secretary-treasurer of the Cleveland, Ohio, K. U. Alumni group.

ROGER GEERY, '62, is attending the K. U. Graduate School.

THOMAS J. KOSAKOWSKI, '62, is with the USN Ordnance Lab, Corona, California.

LARRY RUSCO, '62, is employed by Union Carbide in Red Oak, Iowa.

JOHN A. TROTTER, JR., '62, is doing graduate work at Stanford University in California. He previously was employed at McDonnell in St. Louis, where he worked in the Guidance and Control Mechanics Department helping to compile a data and equations book about the Gemini project.

THETA CHAPTER

WILLIAM B. HAYES, '48, joined American Potash and Chemical Company in Los Angeles, after 13 years with Stauffer Chemical Company. His family numbers five, and all are enjoying the warm Southern California winter.

IOTA CHAPTER

WAYNE S. FRAME, '23, supervising engineer, hydraulic operations at the Osage Plant of Union Electric Company, Lake of the Ozarks, Missouri, received an award from the U. S. Department of Commerce recently for his long service to the U. S. Weather Bureau. Brother Frame has been providing the bureau with data for over 30 years.

LT. COL. WILLIAM C. McMILLAN, '48, recently completed the 18-week associate course at the Army Command and General Staff College, Fort Leavenworth, Kansas. He is assigned as a technical operations coordinator with the U. S. Army Element, Division of Military Applications, U. S. Atomic Energy Commission, Washington, D. C.

WILLIAM W. COLLINS, '50, has been appointed as assistant vice president with First National City Bank, New York. He is assigned to the Petroleum Department. He previously was associated with Keplinger & Wannenmacher, consulting engineers, in Tulsa, Oklahoma. He lives with his wife and two children in Metuchen, New Jersey.

LAMBDA CHAPTER

CAPT. R. E. VAN LIEW, '33, has been transferred from the position of Naval District civil engineer of the Canal Zone in Panama to that of special assistant to the director of Southwest Division of Bureau of Yards and Docks. He is located in San Diego, California.

THE GEAR OF THETA TAU

COL. SPENCER S. HUNN, '48, has assumed the position of program director on the staff at the Headquarters of Air Force Systems Command's Electronic Systems Division at L. G. Hanscom Field, Massachusetts. Brother Hunn and his wife have three children.

MAJOR ROBERT D. LAMBOURNE, '48, recently began the 38-week regular course at the Command and General Staff College, Fort Leavenworth, Kansas. He is receiving instruction to qualify him for command and general staff duties at division, corps, and field army level.

MU CHAPTER

GEORGE T. BATOR, '38, has been appointed a special lecturer in mining at the Colorado School of Mines in Golden. He has been a consulting engineer for the past six years, and prior to that was an industrial engineer. He has previously taught at the University of Alabama and at Mines. Brother Bator has also served as a special CSM Research Foundation staff member.

WINSTON L. WALLACE, '49, is supervisor, Control Operations Section, Propulsion Wind Tunnel, ARO, Inc. at Arnold Air Force Station, Tennessee.

JAMES H. RIVES, JR., '53, is presently working for Barnard and Burk, Inc., Consulting Engineers, as a structural design engineer in Baton Rouge, Louisiana.

FRANK W. JAMES, JR., '59, completed requirements and received a master's degree in mechanical engineering from Purdue University in 1960. He is now employed at Westinghouse Electric Ordnance Division as a manufacturing engineer.

ERSKINE G. DONALD, III, '62, is employed at the Marshall Space Flight Center of NASA in Huntsville, Alabama, as an aerospace engineer.

NU CHAPTER

EDWARD STEIDLE, '11, is Dean Emeritus, College of Mineral Industries, The Pennsylvania State College. He is currently chairman, Federal Coal Mine Safety Board of Review, Washington, D. C. Brother Steidle is a charter member of Nu Chapter.

HOWARD P. MORRISON, '47, has been appointed vice president of Barnard and Burk International Corporation, overseas subsidiary of Barnard and Burk, Inc., one of the largest engineering firms of the Southeastern United States. The firm employs some 200 people in its four divisions and has engineered over \$400,000,000 of projects in the various parts of the United States and in the Caribbean area.

OMICRON CHAPTER

ROBERT H. MERCER, '48, is with Pan American Petroleum Company in Tulsa, Oklahoma.

PERRY A. LORENTZEN, '54, is employed by Lockheed Missile and Space Company as a senior electronics research engineer. He is presently assigned to the Operations Direction Staff at Vandenberg Tracking Station, Vandenberg AFB. He is married to the former Pat Kinney of Iowa City. Their son Allen was born in Anchorage, Alaska, and their daughter Anne was born in Brussels, Belgium.

PI CHAPTER

THEODORIC B. EDWARDS, '24, is an engineer and inventor at the U. S. Army Mobility Command's Engineer Research and Development Labs, Fort Belvoir, Virginia. He recently received an award for the disclosure of an invention (an improved metadyne drive and control system for self-propelled vehicles) on which he has applied for a patent. Brother Edwards is a charter member of Pi Chapter.

JEAN M. ROBERTS, '26, is professor of electrical engineering at the University of Virginia in Charlottesville.

DR. LAWRENCE R. QUARLES, '29, dean of the University of Virginia School of Engineering and Applied Science, has left for the Philippines to help train Filipino specialists to use their new reactor.

RHO CHAPTER

JOSEPH C. MASON, '27, is manager of the Winston-Salem, North Carolina District for Duke Power Company. He has been with the company since 1928, and was named to his present position in 1957.

WILLIAM S. JOHNSON, '42, joined the Chrysler Corporation Space Division in New Orleans in June as supervisor of the Loads and Dynamics Group.

MAJOR EDWIN D. PALMGREN, '50, has arrived at Nellis AFB, Nevada, to become flight leader of the Air Force's official flying demonstration team, "The Thunderbirds." He served with the aerial unit from 1954 to 1956, and is the only pilot ever to return to the Thunderbirds for a second tour of duty. Brother Palmgren was a U. S. Navy enlisted man during World War II. When he graduated from North Carolina State College in 1950 he accepted an Air Force commission. He completed 100 missions in the F-84 in Korea. He has served as a jet instructor



pilot, test pilot, and once flew in the Bendix air race. Brother Palmgren is also a member of Delta Sigma Phi.

JAMES A. LOWE, '54, is employed by the Western Waterproofing Company. He previously was an industrial power engineer for the Duke Power Company.

ROBERT W. WATERS, '60, received his master of business administration degree from the University of Maryland. He was employed by Western Electric Company in Baltimore, Maryland, until February, when he reported for active duty at Aberdeen, Maryland. He received his Army commission in 1960.

GEORGE B. ELLIS, JR., '62, is employed as a staff engineer by Buckeye Cellulose Corporation.

SIGMA CHAPTER

ROBERT KNOWLES, '56, is working for the General Electric Company, Heavy Military Electronics Department, in Syracuse, New York, as sales manager, marine equipment. The third addition to his family, a boy, arrived in January.

ROBERT J. PERKINS, '58, is a group engineer, Facilities Section, Skybolt Systems Subdivision, Douglas Aircraft Company, Santa Monica, California. Brother Perkins was married in August, 1961.

EDWIN K. FOSTER, '59, is employed at the Ohio Fuel Gas Company in Columbus, Ohio, as an industrial engineer. His wife Marti is with him.

TAU CHAPTER

DAVID M. MACALPINE, '30, was recognized at the eleventh annual Oklahoma State University engineering tenure award banquet for 15 years of teaching service.

PHI CHAPTER

PAUL S. STEPHENSON, '26, took an early retirement in 1961 and built a home in Ocala, Florida. Mrs. Stephenson is with him.

DR. J. R. BURNETT, '45, is the Minuteman Program director at Space Technology Laboratories, Inc. He is responsible for the complete program for system engineering and technical direction for Minuteman. He reports that it is a most challenging and interesting job.

LT. JOHN P. SMRZ, '62, recently was assigned to the 903d Ordnance Company in Stuttgart, Germany. He is a technical supply officer.

CHI CHAPTER

CLATE A. GATLIN, '41, sold his interest in Gatlin Oil Company in June, 1962, and after a summer vacation, is now employed as an industrial sales engineer for Shepherd Machinery Company, Caterpillar and John Deere distributor for Los Angeles, California.

RAYMOND K. LUCI, '59, recently moved with his wife to Del Mar, California, where he is employed by the General Atomic Division of General Dynamics.

LT. JOHN A. RYBERG, JR., '62, was commissioned a second lieutenant in the Air Force after graduating from Officer Training School at Lackland AFB, Texas. He was reassigned to Offutt AFB, Nebraska, as a geodetics officer.

PSI CHAPTER

ED. B. TRUEWORTHY, JR., '33, has opened an office in Denver, Colorado, as a construction consultant. His 27 years of engineering experience have taken him throughout the world, including Thailand, Colombia, Dominican Republic, Guam, Greece, Japan, Panama, Galapagos Islands, and Venezuela. Brother Trueworthy is a charter member of Psi Chapter, and a member of ASCE, SAME, NSPE, Colorado Society of Engineers, Elks, and American Legion. He is a registered professional civil engineer and land surveyor in Montana and Colorado.



DOUGLAS H. HARNISH, JR., Honorary, authored an article "The Petroleum Engineering Profession—A Reality or a Contradiction?" in the November 1962 issue of the *Journal of Petroleum Technology*. He is associate professor and head of the Petroleum Engineering Department at Montana School of Mines, where he is adviser to Psi Chapter. Brother Harnish is a member of NSPE and AIME's National Student Affairs Committee. He is a registered professional engineer in Montana and West Virginia.

RICHARD G. SCHAAL, '39, is superintendent of the Orcutt Town Water Company, Orcutt, California.

ROBERT R. WILLSON, '41, has been supervisor of mathematics programs in the Washington State Department of Public Instruction since August, 1961. He finds the job challenging and interesting. Brother Willson would like to hear from Psi brothers in the Olympia, Washington, area.

ANDERS E. AUGUSTSON, '48, has been employed by Christensen Diamond Corporation of Salt Lake City, Utah, since 1953.

K. ROBERT DORMAN, '55, changed jobs in July and is now a mining methods research engineer, Spokane Office of Mining Research, U. S. Bureau of Mines.

THE GEAR OF THETA TAU

JEROME B. WEBER, '57, has been promoted to field engineer for North Dakota, South Dakota, and Montana for the California Oil Company. He looks after drilling, production, and all phases of engineering associated with the "oil patch."

OMEGA CHAPTER

JAMES FORCHTNER, '35, has been elected national president of the South Dakota School of Mines Alumni. He is Division, Outside Plant and Planning Engineer, Northwestern Bell Telephone Company, in Minneapolis, Minnesota.

LOWERY SMITH, '51, is a representative for Hercules Powder of Minneapolis. Last summer he took a long-planned trip to Africa, spending four weeks there and one in Europe.

EUGENE B. BRADSHAW, '59, moved to Seneca Falls, New York, in October from Indiana. He is employed as an application engineer at Goulds Pumps, Inc.

HAROLD M. EHRLMAN, '59, recently moved from Alamogordo, New Mexico to Utica, New York. He is now Hughes Aircraft Company engineering plant representative at General Electric's Light Military Electronics Department in Utica.

LT. DONALD A. FREELAND, '59, recently participated in FALLEX, a large-scale NATO exercise in Germany. He is a signal center platoon leader in the 440th Signal Battalion's Company D in Baumholder, Germany.

LT. LARRY A. BLAIR, '61, was recently promoted to First Lieutenant, 317 Engineer Battalion (Combat), Frankfurt-Hochst, Germany. He has been in Germany since October, 1961. In August, 1962 he was joined by his wife Gae, daughter Traci, and stepson Matt.

GAMMA BETA CHAPTER

JOEL S. SONNABEND, '52, is working for the Raytheon Company at the Wayland Laboratory in

Ashland, Massachusetts. He is attending Northeastern University at night, working toward a master's degree in engineering management. Brother Sonnabend would like to hear from Theta Tau brothers in the Boston area.

JAMES R. LEAR, '59, received his M.S.E. degree from George Washington University in June, 1962.

WAYNE A. DAVIS, '60, has received a \$400 per month scholarship from the Defence Research Board for up to one year of graduate study to complete the requirements for a M.Sc. degree at the University of Ottawa, Ontario. He intends to write his thesis in the field of "Finite Automata." He has worked two and one-half years at the Defence Research Telecommunications Establishment, Ottawa, Ontario.

FLOYD F. MATHEWS, JR., '62, is now employed as a civil engineer at the Savanna Army Depot, Savanna, Illinois. For five years previous to October, 1962, he was employed by the District of Columbia Highway Department. At the time of his resignation there he was a bridge engineer and resident engineer on the Theodore Roosevelt Bridge.

EPSILON BETA CHAPTER

RICHARD G. WELCH, '51, recently transferred to Dayton, Ohio. He is division engineering manager, Flexicore Division, Price Brothers Company—precast concrete manufacturers.

DONALD W. ANTONOW, '64, has left Wayne State University and is now at General Motors Institute.

ETA BETA CHAPTER

BEN H. HOOD, '61, is employed by NASA at the Manned Spacecraft Center in Houston. His present assignment is with the Ground Systems Project Office, doing analysis of communication and control techniques. His first child, a daughter, was born in September, 1962.

25 and 50 Years Ago in Theta Tau

25 YEARS AGO

J. M. Daniels was elected Grand Regent at the H. H. Hopkins Convention in Chicago.

Pi Chapter had just purchased a new radio-victrola.

Phi Chapter was making plans to celebrate its tenth anniversary.

The National Capital Alumni Association had just been formed.

Psi inaugurated a "big brother" system for training pledges.

(From the Spring 1938 *Gear*)

50 YEARS AGO

For the first time *The Gear* was published under the direction of the Executive Council, instead of by Beta Chapter.

The Second Biennial Convention was held at Houghton, Michigan.

Zeta Chapter was seeking a chapter house.

Eta Chapter sent its first chapter letter to *The Gear*.

The Twin City Alumni Association was in its second year.

(From the 1913 *Gear*)



Chapter News

Editor's note: The Twenty-Fourth Biennial Convention voted to accept a recommendation of the Publications Committee that chapter letters to The Gear carry a theme for each issue. In so doing, it was felt that the chapters would receive a valuable interchange of ideas on a single topic, and that alumni would be informed about the chapters' activities in a single area.

One of the important activities of a Theta Tau chapter is its professional development program. This is the topic selected for the Spring issue. Future topics will cover housing, rushing, pledge training, scholarship, service projects, and other areas of activity.

ALPHA CHAPTER



The professional leadership and development program at Alpha Chapter is carried out formally on Monday nights just after the evening meal and before the business meeting is called to order. It is an open meeting attended by members, pledges, rushees, and any other interested persons. Topics covered include professional, technical, and general interest subjects. The programs have included representatives from Procter and Gamble, IBM, and Mobil Oil Company, and a philosophy professor, a detective, and others.



Sing along at an Alpha party with Herm Gollwitzer, Phil Ratte, and Mike Martin.

The program is carried out by the professional development chairman and his committee, who constantly try to improve the caliber of the programs. The professional leadership and development chairman is presently Dale Thronson.

PETER FAUSCH
Corresponding Secretary

BETA CHAPTER



The Beta Chapter professional committee became active again this year. The members set up a Founders' Day Banquet which was a big success. The professional committee then started bringing company interviewers to the house for dinner to give informal talks. Interviewers have come from Bell Telephone and Kennecott Copper, among others. These gatherings have become very popular among the Beta men, and further programs of this nature have been scheduled on a monthly basis.

STEVEN WEISS
Corresponding Secretary

GAMMA CHAPTER

No Chapter Letter

DELTA CHAPTER



Foremost among Delta Chapter's professional development programs this spring is a design competition open to all Case undergraduates and offering a \$250 first prize. Any design incorporating engineering principles is open to consideration, the presentation being left to the designer. Awards to senior winners are to be made at graduation. The Chapter also plans to send members to local high schools, along with faculty members, to acquaint students there with engineering as a career.

The Chapter intends to sponsor two professional development programs open to all interested, featuring speakers on "Professional Ethics" and "Engineering Registration." In addition, all senior brothers are being urged to take the registration exams.

ROBERT W. OLIPHANT
Corresponding Secretary

EPSILON CHAPTER

No Chapter Letter

ZETA CHAPTER

LAWRENCE
KANSAS

Members of Zeta Chapter believe in a strong professional development program. The program is organized under a professional development chairman. Responsible to him are chairmen

of sub-committees for speakers, programs, and engineering activities.

During the semester, plans are made for five speakers. A theme is then selected for the semester, such as the present one, which is "The Well Rounded Engineer." This semester the speakers came from the following sources: the engineering faculty, the Business School, the School of Liberal Arts, industry, and some of the prominent Chapter alumni. The speakers are invited to dinner, and the event is usually coordinated with rush activities.

The program chairman obtains films and special industrial programs to be presented to the Chapter. He also attends the weekly pledge meeting and presents a part of a semester-long planned program consisting of topics ranging from engineering ethics and professional societies to use of the slide rule.

The engineering activities chairman is in charge of such projects as the Engineering Exposition archway, special projects, and summer jobs available through contacts with alumni. Currently under special projects is the production of a seminar for all engineering students on the Engineer-in-Training program. This seminar is being locally sponsored by Theta Tau under the state-wide supervision of the Kansas Engineering Society.

Materials and topics are obtained from the NSPE, ECPD, Kansas Engineering Society, industry, alumni, and local sources. Many excellent films are available from large companies just for the asking. Zeta men are always seeking ways to expand the professional program, for they believe that one of the primary goals of a professional fraternity is to develop a keen sense of professionalism among its members.

JAY RUPAR
Corresponding Secretary

IOTA CHAPTER

No Chapter Letter

LAMBDA CHAPTER



Lambda Chapter has always tried to maintain an active professional development program through the means of speakers, panel discussions, and luncheons with professional engineers.

Recently Lambda has had two panel discussions conducted by the members of the

Chapter. The topics of these panel discussions were "Professionalism versus Unionism" and "The Definition of Professionalism." Both panels provided opportunity for the entire Chapter to ask questions and give comments.

Each month Lambda Chapter sends representatives to the Theta Tau alumni luncheon. While there, the Chapter members get the opportunity to talk with engineers interested in professional development.

Lambda Chapter is presently trying to organize a more complete professional development program. The Chapter recognizes its responsibility to provide such a program.

KENNETH ROBINSON
Corresponding Secretary

MU CHAPTER



Mu Chapter has been very active in the area of professional development. At several of the regular monthly meetings there have been speakers on subjects of general interest. Professor W. G. Keith of the Civil Engineering Department explained the Engineer-In-Training test to be given in

May. He pointed out some of the purposes of the test and the areas it covered and gave some helpful pointers concerning the test. Another speaker from the Dean of Women's office presented a very interesting talk on the etiquette problems each of us faces every day.

One of the more ambitious programs undertaken by Mu is the weekly help sessions held for freshmen and sophomores. This project satisfies a real need for engineering students and has brought about very encouraging results.

Mu Chapter has joined several of the technical societies in presenting an exhibit in the annual Engineers Day held each spring at the University. There are convocations, speeches, and displays by different departments and organizations as an attempt to show what these groups contribute to the engineering profession.

DONALD PIERCE
Corresponding Secretary

XI CHAPTER



Xi Chapter is not to be overlooked in its endeavor to promote professionalism. This year the Chapter is sponsoring a series of professional lectures based on engineering ethics. The lectures are held on the university campus and are open to the public.

Dr. Rohlich of the Civil Engineering Department initiated the series with a lecture, "Ethics and the Consulting Engineer."

The second lecture was held during National Engineering Week. Mr. E. J. Wyman of the Social Studies Department spoke on the topic, "Engineers in Today's Industries." The third lecture is still on the drafting board at this time. At the conclusion of the series, an analysis will be made to help in future planning.

Xi finds that the main weakness does not lie in the ability to obtain qualified lecturers, but rather in the time-honored field of promotion. Xi Chapter hopes that the Spring Gear will shed some new light on this old problem.

JAMES A. BECKWITH
Corresponding Secretary

OMICRON CHAPTER

No Chapter Letter

PI CHAPTER



During the past year the professional development program at Pi Chapter has been rather limited. In October a lecture on engineering opportunities in the U. S. Navy was sponsored by Pi Chapter. This lecture

was open to the public.

A professional development chairman was appointed in January; as yet, no new projects have been carried out. The Chapter finds difficulty in sponsoring successful professional lectures because of the numerous lectures sponsored by professional societies such as the ASME and IEEE. However, the members are anxious to receive any new ideas in professional development which might be successful.

RICHARD M. JACOBY
Corresponding Secretary

RHO CHAPTER



On Rho's 39th birthday, February 24, Ralph E. Fadum, Dean of the School of Engineering, spoke to the Fraternity at a dinner meeting on the challenges and opportunities which today's graduating engineers face. During the talk, Dean Fadum also pointed out the advantages and means necessary to become a registered professional engineer.

At another dinner meeting, Rho had as its guest an insurance representative, who explained life insurance, the different types and the advantages and disadvantages of each. Rho Chapter feels that programs of such general interest on useful topics are very worthwhile.

To improve the professional development program, a program chairman, the Vice Regent, has been appointed.

SIGMA CHAPTER



Many times Sigma's leadership and professional development meetings are held in place of the weekly meetings. They immediately follow dinner at which all members and pledges attend. The Chapter feels that this is a good time for rushees to come to the house and meet the members. The guest speak-

ers discuss not only technical subjects, but general interest topics all need to know more about, like insurance and finance. Quite popular at Sigma are tours of University labs and projects or of local business firms. Meetings are planned about once a month.

DALE HOOVER
Corresponding Secretary

TAU CHAPTER



For the past several years, Tau has had little activity in the field of professional development. However, on the slate for next year is a drive to increase interest in professional development. There will be a committee, headed by the Vice Regent, to investigate and present various aspects of this field.

Four or five years ago, Tau Chapter brought in speakers from some of the local companies which hire engineers to speak to the engineering undergraduates. Movies from Ford Motor Company and other sources were shown. This program was not limited to Theta Tau members but was sponsored for all interested engineering students.

At Syracuse U., electrical engineering students have Senior Seminars, some of which are based on professional development themes. Some of the topics include: job opportunities, situations that the graduating engineering student might come up against in his first few years in industry, and how to appear at interviews with prospective employers. The members plan to investigate the possibilities of this type of seminar.

These topics will probably be presented in the late afternoon or early evening sessions, several times a month. The topics may lean toward a less technical aspect so freshmen and sophomores can get as much out of the talks as the seniors.

Since Tau Chapter is just getting reorganized in this field, the members would appreciate any material or suggestions from the national Fraternity or other local chapters on professional development plans.

ROGER KELLEY
Corresponding Secretary

UPSILON CHAPTER



Upsilon Chapter of Theta Tau has a vigorous program to promote professional development. This program was begun by the appointment of Dean Miller as professional development chairman. Brother Miller has been active in his work as chairman and has created an increasing interest in the men of Upsilon Chapter for their profession.

Mr. Lewis D. Trager spoke to the members and new pledges after the regular meeting on March 7. Mr. Trager is head of the University of Arkansas Placement Office and is an authority in his field. The topic of his talk was "How to Conduct an

THE GEAR OF THETA TAU

Interview," and he gave some valuable hints to the members and pledges.

Upsilon plans to hold at least one meeting on professional development each month. To help in this promotion, Brother Miller has written the alumni and honorary members of Upsilon Chapter; the purpose of writing them is to get their ideas, help, and to create interest in professional development among these men.

Mickey Mayfield, newly elected Regent of Upsilon Chapter, has also been active in promoting professional development. The men of the Chapter, through the efforts of Brothers Miller and Mayfield, will certainly be better prepared to become professional men.

RONALD EDDY
Corresponding Secretary

PHI CHAPTER



The Phis have initiated a new approach to professional programs this year. The committee is divided into three branches: community, religious, and campus. Phi has been striving to arrange a professional program every week with a continuous rotation from the three areas.

The community sector has been defined to include business, government officials, police chiefs, and representatives from industry. The religious sector includes ministers from different denominations. The campus sector includes professors of engineering and the other fields represented at Purdue, and also members of the administrative staff. Phi feels that this program will increase the members' understanding of many varying fields.

WILLIAM R. BURK
Corresponding Secretary

CHI CHAPTER

No Chapter Letter

PSI CHAPTER



Professional development is one area which Psi Chapter does not sponsor directly because most of the professional development programs carried on at the campus are under the direction

of the student chapters of the American Institute of Mining, Metallurgical, and Petroleum Engineers and the American Society of Metals. Thus, the members have not pushed for a professional development program within the Chapter because they are all members of the above mentioned societies and these societies provide very good programs.

However, in the past the Chapter has sponsored lectures on various aspects of professional development. These meetings were open to the entire student body and were well received. The topics were usually professional, but one concerned business ethics; general topics were also covered.

Presently the professional development committee is working with faculty members to get a program started again.

Most of the members work through the student professional societies on Engineers Week and with the ECPD materials.

KEN ARNE
Corresponding Secretary

OMEGA CHAPTER



Omega Chapter is in quite a unique situation regarding professional development in that it is relatively isolated from any large industrial centers. This prevents members from visiting these industrial firms and from getting any professional development aids whatsoever from this source. Also, nearly all of the graduates find jobs out of this state, so cannot be counted on for any professional development help. Therefore, Omega has had to look to different means to fulfill its professional development program.

The professional development chairman contacts several of the job interviewers before they visit the campus and requests that they speak to the Fraternity on some topic related to professional development or professional engineering. If the interviewer agrees to speak, the Chapter sets a time and place and invites the entire student body, through posters, to attend the meeting. This is a good way to advertise Theta Tau on campus and creates quite an impression on the students, especially the freshmen.

Another means to improve professionally is to have businessmen, professional men, faculty, etc. speak on topics ranging from etiquette to proper dress to insurance. One of our local tailors gave us an excellent talk on clothes and how to wear them properly. Although this has nothing to do with our technical development, members of Omega feel that proper preparation in the social graces is also necessary in order for the modern engineer to succeed in his chosen field.

Omega highly recommends these two professional development ideas to the other chapters and welcomes any suggestions they may have for us.

GARY NELSON
Corresponding Secretary

GAMMA BETA CHAPTER



In an effort to stimulate its professional development program, Gamma Beta Chapter has elected to hold a special professional development meeting each month. At present Jerry Edwards, committee chairman, is well into a schedule which should prove to be of interest as well as value to not only the actives, but the attending alumni as well.

L. J. O'CALLAGHAN
Corresponding Secretary

DELTA BETA CHAPTER



Delta Beta's professional development committee for the fall quarter has planned a variety of programs.

Southern Bell Telephone and Telegraph Company loaned the Chapter the movie, "The Far Sound," which discussed the development of world-wide transmission and switching equipment.

The members also had a lecture by the distinguished professor, Dr. J. S. Long, about paint technology. Morton Walker, a professor of engineering English, was also very well received for his speech at a rush luncheon. A third speaker, the regional sales manager of the Sunray-DX Oil Company, spoke about sales engineering and what to expect after graduation.

For the spring quarter, the committee is planning a three-week lecture series by a law professor at the University of Louisville on what an engineer should know with respect to legal matters such as patents and other pertinent laws.

JOHN KEITH
Professional Development Chairman

EPSILON BETA CHAPTER



In the past Epsilon Beta has held both open and closed professional development meetings. The closed meetings were held with prospective honorary members as the speakers. In this way the Chapter served the dual purpose of professional development and also that of introducing the prospective honorary

members to the Fraternity. One such meeting was held on Friday, January 18, after a general meeting of the Chapter. Dr. McMicking of the Chemical Engineering Department at Wayne State University was the speaker. His speech centered around the similarities and analogies between the various fields of mathematics, physics, mechanics, etc. Following the speech was a question and answer period. In the future the brothers plan to invite prospective pledges to these meetings.

Open meetings have also been held. On February 1 a meeting of this type was held. The speaker was Mr. Harry Dumville, chief engineer of the Technical Liaison Section of General Motors Technical Center. Mr. Dumville's speech was about the safety aspects of modern automobile design.

In the future Epsilon Beta plans to have more professional development meetings. The speakers will be primarily prominent instructors from the various engineering departments at Wayne State. All of the arrangements for these meetings are handled by a chairman in charge of the professional development program.

A suggestion for improving the professional development programs would be to have a weekend

seminar, where representatives from the chapters could meet and discuss methods for improving professional development, and also Fraternity government and operation as well. This seminar could become a yearly event, held at some convenient time, such as at a semester break or just before the fall term begins. It would be very difficult and expensive for all chapters to meet at once. To overcome this we could conduct this seminar on a smaller scale, where only two or three chapters which were located close together could meet for a weekend to discuss professional development. A lot could be gained from meeting with men from other chapters and exchanging ideas. These seminars could also serve to strengthen the bonds between chapters and promote unity in our Fraternity of Theta Tau.

FRED DUVAL
Corresponding Secretary

ZETA BETA CHAPTER



The professional development meetings at Zeta Beta have been of the open meeting type so all students who were interested could attend. The meetings have usually been movies held at noon.

The plans for the coming quarter are to have at least three meetings, with two of them to be held at noon and the other at night.

The material comes from different sources. Two of these sources are the Bell Telephone Company and the Atomic Energy Commission. The Chapter also plans to have professors on campus give talks about their major fields.

DON W. BALLS
Corresponding Secretary

ETA BETA CHAPTER



Wayne Small, Bill Bridges, Ed Arnold, and Charles LaMonte relax at the piano.

THE GEAR OF THETA TAU



The spacious living room in Eta Beta's house.



To further Eta Beta's professional development activities, an International Students' Day was held at the chapter house with the cooperation of the engineering faculty wives. The ladies provided the cookies, punch, and a heap of Texas hospitality in an effort to stimulate the interest of the foreign students in campus organizations and activities.

WAYNE F. SMALL

THETA BETA CHAPTER

Theta Beta's activities during the past half year have consisted primarily of preparation for and installation as a chapter of Theta Tau. Further details of the installation are found elsewhere in this issue.



E. Gordon Helling, Omega '49, treasurer of the Pacific Northwest Alumni Club, presents minute book to Regent James Chesnutt.

Under the guidance of Jim Francalangia, the professional development program is continually expanding with the inclusion of speakers from engineering and non-engineering fields as well as discussion groups by Chapter members. Theta Beta plans to cap the year's activities with a spring dance to be held just before the end of the school year.

JIM CHESNUTT
Corresponding Secretary

Additions to Membership

ALPHA CHAPTER

- 721 Charles Russell Oleson, Grand Rapids, Minnesota
- 722 Gerald John Dittberner, White Bear Lake, Minnesota
- 723 Kirk Hennine Johnson, Duluth, Minnesota
- 724 Robert Cecil Schopmeyer, Wayzata, Minn.
- 725 William Paul Schopmeyer, Wayzata, Minn.
- 726 Thomas Stephen Chanak, Hibbing, Minn.
- 727 Peter Clare Halden, Minneapolis, Minnesota

DELTA CHAPTER

- 1025 David Roger Hamlin, Trumbull, Connecticut
- 1026 Dennis Don Huffman, Bradner, Ohio
- 1027 Richard Keck, Cleveland, Ohio
- 1028 Michael Jay Leib, Teaneck, New Jersey
- 1029 Robert Walter Oliphant, Oberlin, Ohio
- 1030 John Walter Spring, Cleveland, Ohio

ZETA CHAPTER

- 665 Robert Tran Alfrey, Fort Bliss, Texas
- 666 Rodney Lewis Clemetson, Holton, Kansas
- 667 David Richard Holberg, Topeka, Kansas
- 668 Wayne Henry Patchin, Merwin, Missouri
- 669 Gerald Edwin Davis, St. Joseph, Missouri
- 670 Robert Ried Rosander, Shawnee Mission, Kansas

LAMBDA CHAPTER

- 797 Walton Lee Buares, Salt Lake City, Utah
- 798 Spencer Beal Greer, Salt Lake City, Utah
- 799 Richard John Hathaway, Salt Lake City, Utah
- 800 Milo Elroy Lyon, Salt Lake City, Utah
- 801 Ferrel Harker Ensign, Salt Lake City, Utah
- 802 Thomas Ronald Haag, Salt Lake City, Utah
- 803 David Sullivan Holtry, Roy, Utah

SPRING 1963

- 804 John Christian Jorgensen, Salt Lake City, Utah
 805 Paul Terry Lubbeck, Salt Lake City, Utah
 806 James Dale Perry, Salt Lake City, Utah
 807 Lawrence Eugene Quilici, Reno, Nevada
 808 William George Sterns, Grand Junction, Colorado

MU CHAPTER

- 791 Harry Edwin Barr, Tuscaloosa, Alabama
 792 Michael Keith Brown, Birmingham, Ala.
 793 Charles Harvey Haskew, University, Ala.
 794 Frank William Keith, Jr., University, Ala.
 795 Harold Edwin Middleton, Jr., Birmingham, Alabama
 796 William Rodney Morris, Russellville, Ala.
 797 Donald Charles Pierce, Bessemer, Alabama
 798 William Edward Roberts, Ashville, Alabama
 799 William Earl Salter, McKenzie, Alabama
 800 David Richard Shaw, Birmingham, Alabama
 801 Ronald Lewis Williams, Birmingham, Ala.

OMICRON CHAPTER

- 650 Bruce Bailey, Washington, Iowa
 651 John Paul Jensen, West Liberty, Iowa
 652 Mahmoud Khatibi, Tehran, Iran
 653 Paul Thomas McClimon, Lost Nation, Iowa
 654 Joseph Richard McSwiggin, Wilton Junction, Iowa
 655 John Lockwood Pfeiffer, Woodbridge, New Jersey
 656 Stanley Francis Schroeder, Dubuque, Iowa
 657 James David Thoreson, Spirit Lake, Iowa
 658 Dauvers S. Tubbs, Davenport, Iowa

PI CHAPTER

- 661 Richard Peerson Adams, Anniston, Alabama
 662 Michael Kenneth Berry, Falls Church, Va.
 663 Duane Herman Bickers, Charlottesville, Va.
 664 Gary Wilson Burdette, Hampton, Virginia
 665 William Hunter Clark, Danville, Virginia
 666 Douglas Charles Deaton, Ellerson, Virginia
 667 David Irwin Greenberg, Norfolk, Virginia
 668 Frank Winston Gwathmey, Louisa, Virginia
 669 John Davis Hardy, Jr., Hampton, Virginia
 670 John Cameron Hoggan, Jr., Richmond, Va.
 671 Kyle Thomas Lynn, Vienna, Virginia
 672 Duncan Peter MacArthur, Arlington, Va.
 673 Evangelos Costas Orfanedes, Norfolk, Va.
 674 Charles Rudolph Rice, Jr., Sharps, Virginia
 675 Donald Edward Robinson, Charleston, West Virginia
 676 Edward Lee Rogers, Jr., Richmond, Virginia
 677 Marty Thomas Runkle, Standardville, Va.
 678 John George Sakellaris, Baltimore, Maryland
 679 Lawrence Mitchell Scarborough, Jr., Belle Haven, Virginia
 680 Richard Edsel Simms, Radford, Virginia
 681 William Reese Smith, Norfolk, Virginia
 682 Philip Edward Stone, Jr., Richmond, Va.
 683 Fred Hix Stubblefield, Jr., Waynesboro, Va.
 684 Raymond Dillion Sutherland, Wytheville, Virginia

- 685 Neil Emil Wahl, Buffalo, New York
 686 Carter Fitzhugh Yeatman, Batesville, Ark.
 687 Thomas Reeves Young, Annapolis, Md.

RHO CHAPTER

- 660 Wilson Hill Hepler, Thomasville, N.C.
 661 Stephen Hugh Hill, Albemarle, N.C.
 662 Walter Wells Hill, Murfreesboro, N.C.
 663 Charles Lee Kling, Kinston, North Carolina
 664 Roy Donald Raper, Wilson, North Carolina
 665 Ivey Martin Redmon, Jr., Kernersville, North Carolina
 666 William Curtis Sides, Jr., Winston-Salem, North Carolina
 667 William Daniel Warrick, Selma, N.C.

SIGMA CHAPTER

- 565 Douglas Dean Fockler, Lima, Ohio
 566 William Marion Polasky, Lore City, Ohio

TAU CHAPTER

- 647 Sanford Collins Stackhouse
 648 Robert John Scudamore, Syracuse, N.Y.
 649 Martin Gunner Cicers, Cosackie, New York
 650 Ronald Harvey Eaton, Solvay, New York
 651 Henry Bernard McLeod, New Rochelle, New York
 652 John Lawrence Lazar, Jr.
 653 Louis Arthur Gross, Irvington, New Jersey
 654 Roger Alan Kelley, Big Flats, New York
 655 Lee Brian Metrick, Lake Katrine, New York
 656 James John Rustik, South Windsor, Conn.
 657 Kenneth Mark Weinstein, Syracuse, N.Y.
 658 James Stuart Augins, Syracuse, New York
 659 William Eugene Garrett, New Cumberland, New York
 660 Peter Derek Van Denburg, Ballston Lake, New York
 661 Janis Viksne, Fishkill, New York
 662 Clifford Alan Craft, Camillus, New York
 663 Carson Perry Buck (Honorary), Manlius, New York

UPSILON CHAPTER

- 586 Robert Joseph Moix, Conway, Arkansas
 587 Johnny Bruce Floyd, Huntington, Arkansas
 588 Ronald Earl Eddy, Waldo, Arkansas
 589 Rodger Spencer Kline, North Little Rock, Arkansas
 590 Donald Ross Allen, Conway, Arkansas
 591 John Roy Endicott, Wichita, Kansas
 592 Richard Carlton Gibbons, Benton, Arkansas
 593 Rex Albert Martin, Marshall, Arkansas
 594 Jasper Otis Richardson, Jr., Hot Springs, Arkansas
 595 Delbert A. Schmand, Jr., Little Rock, Ark.
 596 Ansel Lynn Condray, Little Rock, Arkansas
 597 William Dicky Bushmiera, Fayetteville, Arkansas
 598 Jack Alexander Giles, Texarkana, Arkansas
 599 Ronnie Nelson Dunn, Hampton, Arkansas
 600 Archie David Long, Texarkana, Arkansas
 601 Carroll Dean Winter, Conway, Arkansas
 602 Jimmy Donald Fant, Fort Smith, Arkansas

THE GEAR OF THETA TAU

PHI CHAPTER

- 367 James Frederick Bahler, Wabash, Indiana
- 368 William Robert Burk, Whiting, Indiana
- 369 Michael David Coombs, Kalamazoo, Mich.
- 370 Thomas William Dane, Beloit, Wisconsin
- 371 Louis Edward DuPree, Collinsville, Illinois
- 372 Allan Eugene Hribar, Euclid, Ohio
- 373 Thomas Joseph Kirchner, Indianapolis, Ind.
- 374 Lloyd Stephen Knapp, Gary, Indiana
- 375 Charles Norman Quinn, Orelana, Penna.
- 376 Donald Lee Steberl, Kettering, Ohio

CHI CHAPTER

- 635 L. K. Earhart, Tucson, Arizona
- 636 J. E. Forthman, Tucson, Arizona
- 637 J. B. Franklin, Stamford, Connecticut
- 638 R. F. Corr, Coplay, Pennsylvania
- 639 H. W. Guyader, Tucson, Arizona
- 640 M. R. Henderson, Hot Springs, Arkansas
- 641 H. C. Jensen, Tucson, Arizona
- 642 R. P. McClellan, Twin Falls, Idaho
- 643 W. D. McDonald, Cottonwood, Arizona
- 644 D. B. Mortenson, Warren, Arizona
- 645 R. W. Rice, Morenci, Arizona
- 646 L. A. Harrington, Tucson, Arizona
- 647 C. T. Chu, Saigon, Vietnam
- 648 E. J. Britt, Flagstaff, Arizona

PSI CHAPTER

- 448 Thomas Edward Dodson, Santa Ana, Calif.
- 449 Francis Leno Bazzanella, Butte, Montana
- 450 Neil Joseph Sullivan, Butte, Montana
- 451 Kenneth William Hill, Butte, Montana
- 452 Kenneth George Arne, Prairie City, Oregon
- 453 Daniel Huntley Stowe, Helena, Montana
- 454 Henry William Watkins, New Westminster, British Columbia, Canada
- 455 John Edward Ceuvani, Butte, Montana

OMEGA CHAPTER

- 588 Arthur Laverne Hunt, Vetal, South Dakota
- 589 Gerald Louis Meyer, Hermosa, S.D.
- 590 Thomas Howard Parker, Lodgepole, S.D.
- 591 Dennis Joseph Prill, Madison, South Dakota
- 592 Keith Dalton Zell, Bancroft, South Dakota

GAMMA BETA CHAPTER

- 442 Michael Cogan, Arlington, Virginia
- 443 Gordon Earle Davison, Woodbridge, Va.
- 444 Ely Gerson Fishlowitz, Wheaton, Maryland
- 445 Henry Paul Fleming, Jr., Suitland, Maryland

- 446 Thomas Elmer McIntosh, Washington, D. C.
- 447 Laurence Joseph O'Callaghan, Washington, D. C.
- 448 Norman Robert Seidle, Mount Rainier, Maryland
- 449 Elmore Charles Williams, Washington, D. C.
- 450 Louis Joseph Boezi, Washington, D. C.

EPSILON BETA CHAPTER

- 153 Joseph Anthony Goelter, Allen Park, Mich.
- 154 James William Cafmeyer, St. Clair Shores, Michigan
- 155 George John Dellas, Detroit, Michigan
- 156 Stephen Gregory Marsh, Detroit, Michigan
- 157 Earl Richard McIntyre, Detroit, Michigan
- 158 George Smyth Morrow, East Detroit, Mich.
- 159 Gerald Michael Oleszak, Taylor, Michigan
- 160 Frederick Wilson DuVall, Romulus, Mich.
- 161 William Cecil Hermon, Detroit, Michigan
- 162 Paul Gottfried Lambert, Detroit, Michigan

ZETA BETA CHAPTER

- 35 Darwin Ray Jensen, Brigham City, Utah
- 36 Seigmond Gus Kopinitz, Brigham City, Utah
- 37 Dan William Balls, Brigham City, Utah
- 38 John Russell Busk, Logan, Utah

THETA BETA CHAPTER

- 1 James Charles Chesnutt (Charter), Seattle, Washington
- 2 Andrew Clark Messer (Charter), Seattle, Washington
- 3 Claude Samuel Pope (Charter), Algona, Washington
- 4 John Daniel Winter (Charter), Auburn, Washington
- 5 Svein Kopfelt (Charter), Seattle, Wash.
- 6 James Louis Francalangia (Charter), Bremerton, Washington
- 7 Ronald Charles Zentner (Charter), Seattle, Washington
- 8 Hugo Wolfgang Schimmelbusch (Charter), Seattle, Washington
- 9 Walter Burnett Bonow (Charter), Seattle, Washington
- 10 Tobin Lee Humphrey, Seattle, Washington
- 11 Richard David Seaberg, Cathlamet, Wash.
- 12 George Allen Vickers, Seattle, Washington
- 13 John Lawrence Nilles, Seattle, Washington
- 14 Lawrence Lutz Stetson, Seattle, Washington
- 15 Ronny Joseph Leptich, Bellevue, Wash.

DEADLINE FOR FALL ISSUE

The deadline for news and articles for the Fall 1963 *Gear* will be October 12, 1963. The topic for the chapter letters will be chapter housing (maintaining or obtaining a house or working towards a permanent headquarters). Plan to have your news in early—don't wait.



Theta Tau Directory

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

ERICH J. SCHRADER
ELWIN L. VINAL, 4039 West Mercer Way, Mercer Island, Washington
WILLIAM M. LEWIS, 33 Pilgrim Lane, Drexel Hill, Pennsylvania
ISAAC B. HANKS, 2120 Northwest Boulevard, Spokane, Washington

PAST GRAND REGENTS

ERICH J. SCHRADER, *Alpha*, (1904-1919)*
GEORGE D. LOUDERBACK, *Epsilon*, (1919-1925)*
J. SIDNEY MARINE, *Eta*, (1925-1927), 45 Popham Road, Scarsdale, New York
RICHARD J. RUSSELL (Dr.), *Epsilon*, (1927-1931), 4575 Highland Rd., Baton Rouge 8, Louisiana
FRED COFFMAN, *Lambda*, (1931-1935)*
HERMAN H. HOPKINS, *Beta*, (1935-1937), 3320 Culver Avenue, Evanston, Illinois
JOHN M. DANIELS (Dr.) *Nu Honorary*, (1937-1939), Carnegie Institute of Technology, Pittsburgh 13, Pennsylvania

RUSSELL G. GLASS, *Sigma*, (1939-1946), Saddleback Lane, Gates Mills, Ohio
RALPH W. NUSSER, *Zeta*, (1946-1948), 609 West Dartmouth, Kansas City, Missouri
NORMAN B. AMES, *Gamma Beta*, (1948-1950)*
DONALD D. CURTIS (Prof.), *Omicron Honorary*, (1950-1952), Glade Road, Clemson, South Carolina
JAMISON VAWTER, *Zeta*, (1952-1954)*
A. DEXTER HINCKLEY, *Theta*, (1954-1958), 90 Morningside Drive, New York 27, New York
CHARLES W. BRITZIUS, *Alpha*, (1958-1962), 2440 Franklin Avenue, Saint Paul 14, Minnesota
*Deceased

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GRAND MARSHAL RICHARD LYNCH, *Epsilon Beta '53* 4367 Berkshire Avenue, Detroit 24, Michigan
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GRAND OUTER GUARD CHARLES E. WALES, *Epsilon Beta '53* 355 Oak, West Lafayette, Indiana

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

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EASTERN

(Theta, Pi, Rho, Tau, Gamma Beta)

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INTERIM COMMITTEES, 1963-1964

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CONVENTION PLANNING—ROBERT E. POPE, *Chairman*, 13 Sona Lane, Saint Louis 41, Missouri

EXTENSION—ROBERT E. POPE, *Chairman*, 13 Sona Lane, Saint Louis 41, Missouri

FINANCE—CHARLES W. BRITZIGUS, *Chairman*, 2440 Franklin Avenue, Saint Paul 14, Minnesota; HERMAN H. HOPKINS, 3320 Culver Avenue, Evanston, Illinois; RICHARD LYNCH, 4367 Berkshire

Avenue, Detroit 24, Michigan; PAUL L. MERCER, P. O. Box 487, Keokuk, Iowa.

REGIONAL CONFERENCES—JAY N. THORPE, *Chairman*, 5208 - 119th Avenue, S.E., Bellevue, Washington; GARN HATCH, 1076 Sterling Drive, Salt Lake City 16, Utah

RITUAL REVISION—GEORGE C. DODD, *Chairman*, 11 Tulip Tree Drive, Champaign, Illinois

SCHRADER AWARD—CHARLES E. WALES, *Chairman*, 353 Oak, West Lafayette, Indiana

CHAPTERS AND CHAPTER ADVISERS

ALPHA	Founded October 15, 1904	University of Minnesota
DR. ROY H. MATTSO / DEPT. OF ELECTRICAL UNIVERSITY OF MINNESOTA	515 Tenth Avenue, S. E., Minneapolis 14, Minnesota*	
BETA	Established March 26, 1906	Michigan College of Mining and Technology
	U. S. Highway 41, Houghton, Michigan*	
GAMMA	Established November 8, 1907	Colorado School of Mines
	Box 134, Colorado School of Mines, Golden, Colorado	
	Adviser: DR. RUDY C. EPIS, Department of Geology, Colorado School of Mines, Golden, Colorado	
DELTA	Established May 23, 1911	Case Institute of Technology
	Theta Tau Box, Case Institute of Technology, Cleveland 6, Ohio	
	Adviser: WALTER J. FAHEY, Electrical Engineering Department, Case Institute of Technology, Cleveland 6, Ohio	
EPSILON	Established May 4, 1911	University of California
	Box 12, Engineering Building, University of California, Berkeley 4, California	
	Adviser: GEORGE P. REDMAN, 2534 Moyers Road, Richmond 10, California	94810
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	1602 Louisiana Street, Lawrence, Kansas*	6
	Adviser: WILLIAM B. DUNCAN, 2908 West 9th, Lawrence, Kansas	66044
THETA	Established May 26, 1914	Columbia University
	Adviser: HOWARD W. FREELAND, c/o Dean's Office, School of Engineering, Columbia University, New York 27, New York	
IOTA	Established February 5, 1916	Missouri School of Mines and Metallurgy
	Theta Tau, Student Union, Missouri School of Mines, Rolla, Missouri	
	Adviser: PROF. FRANK J. CAPEK, Civil Engineering Department, Missouri School of Mines, Rolla, Missouri	
LAMBDA	Established April 29, 1920	University of Utah
	Merrill Engineering Building, University of Utah, Salt Lake City 12, Utah	
	Adviser: PROF. PRESTON D. LINFORD, Civil Engineering Department, University of Utah, Salt Lake City 12, Utah	
MU	Established January 3, 1922	University of Alabama
	P. O. Box 3156, University, Alabama	
	Adviser: PROF. WILLIAM K. REY, P. O. Box 664, University, Alabama	
XI	Established January 13, 1923	University of Wisconsin
	Theta Tau Box, Mechanical Engineering Building, University of Wisconsin, Madison 6, Wisconsin	
	Adviser: DR. G. A. ROHLICH, 9 Hydraulics Laboratory, University of Wisconsin, Assoc. Doan, Grad. Sch., Van Vleet Hall, Madison 6, Wisconsin	53706
OMICRON	Established February 3, 1923	State University of Iowa
	Theta Tau Box, Engineering Building, Iowa City, Iowa	
	Adviser: DR. DONALD H. MADSEN, Engineering Building, Iowa City, Iowa	52240

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 Adviser: PROF. PHILIP H. RYAN, Thornton Hall, University of Virginia, Charlottesville, Virginia

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 DA FOREST W. LANCASTER P. O. Box 5282, State College Station, Raleigh, North Carolina
 DEPT. OF PHYSICS Adviser: RICHARD H. REDWINE, Engineering Research Department, North Carolina
 NORTH CAROLINA STATE COLLEGE State College, Raleigh, North Carolina 27607
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TAU Established December 12, 1925 Syracuse University
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 763 West Dickson Street, Fayetteville, Arkansas*
 Adviser: PROF. J. R. BISSETT, Associate Director, Engineering Experiment Station, University of Arkansas, Fayetteville, Arkansas

PHI Established April 21, 1928 Purdue University
 416 North Chauncey Avenue, West Lafayette, Indiana*
 Advisers: DR. ALBERT R. SPALDING, Freshman Engineering Department, and PROF. EDWARD C. THOMA, Freshman Engineering Department, Purdue University, West Lafayette, Indiana

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 Adviser: PROF. PHILIP B. NEULIN, Civil Engineering Department, University of Arizona, Tucson, Arizona

PSI Established May 7, 1932 Montana School of Mines
 Prof. Wm. J. VAN MATRE Theta Tau, Residence Hall, Montana School of Mines, Butte, Montana 59701
 DEPT. OF MINING ENG. Adviser: PROF. WILLIAM B. HALL, 1159 West Gold, Butte, Montana
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 107 Kansas City Street, Rapid City, South Dakota*

Adviser: DR. ROBERT L. SANDVIG, Chemical Engineering Department, South Dakota School of Mines, Rapid City, South Dakota 57704

GAMMA BETA Established March 16, 1935 The George Washington University
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* Chapter house

THE GEAR OF THETA TAU

THETA BETA Established March 2, 1963 _____ University of Washington
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HELP ! !

New postal regulations make it more important than ever that you send us your change of address. Even if you move within the same city and give the post office your new address, *The Gear* will be returned to us at a cost of 8¢. We try to locate alumni whose *Gears* are returned, but the expense for one lost member sometimes exceeds the cost of printing his *Gear*. Page 48 is yours to use!

ALUMNI NEWS

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

Name Chapter Year

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News of yourself and/or others

We are interested in you—send us an alumnus note for the next *Gear*.

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Name and address of nearest relative

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Editorials

Theta Tau in History

In the relentless march of time, man and his actions, strengths, and weaknesses steadily contribute in some way to what is called "history." History is the record of the past as lived by men and recorded by men.

Theta Tau members are now working to record the history of our Fraternity's 58 years of existence and, most importantly, the men who have influenced our growth and development. But to be of real interest and vitality, this history must contain the words of the men who shaped the Fraternity in its early years.

Many of these men are no longer with us; our principal Founder is gone. Therefore, with time a factor, those who will compile the history of Theta Tau plan to appeal to the members who have been an active part of Theta Tau over the years. This will include Founders, charter members of the chapters, Past Grand Regents, and others who have served Theta Tau in the past.

A search of the past issues of *The Gear*, Convention Minutes, files, and the archives will, no doubt, yield a wealth of information and fill some gaps, but the real need is for alumni to help where they can. Nearly 200 members will receive an appeal for help, but many who could write recollections of important phases of a chapter's history will be overlooked. No one will be overlooked intentionally, but we are not yet automated enough so that all important potential writ-

ers are known to *The Gear* or Central Office.

The solution is simple: if you are one of those "overlooked" members, don't overlook us—send your Theta Tau reminiscences, few or many, to our Central Office.
WEF

Are You a Packrat?

The Gear needs to find some alumni who save everything—especially old *Gears*. For lo and behold and with red faces, we find a number of issues of *The Gear* are not in our files.

This has become particularly distressing in our recent effort to send a complete file to the national archives and also have one for general use in writing the history and for reference work.

If you have any of the issues listed below and would be willing to contribute it to Theta Tau, you would be of valuable service to your Fraternity. We would also like to know the name of anyone who might have old issues of *The Gear*.

All issues prior to 1921
April 1921
November 1923
January 1925
Spring 1929
Fall 1940
Spring 1943
Fall 1943
Spring 1944

In other words—Help!

WEF

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