

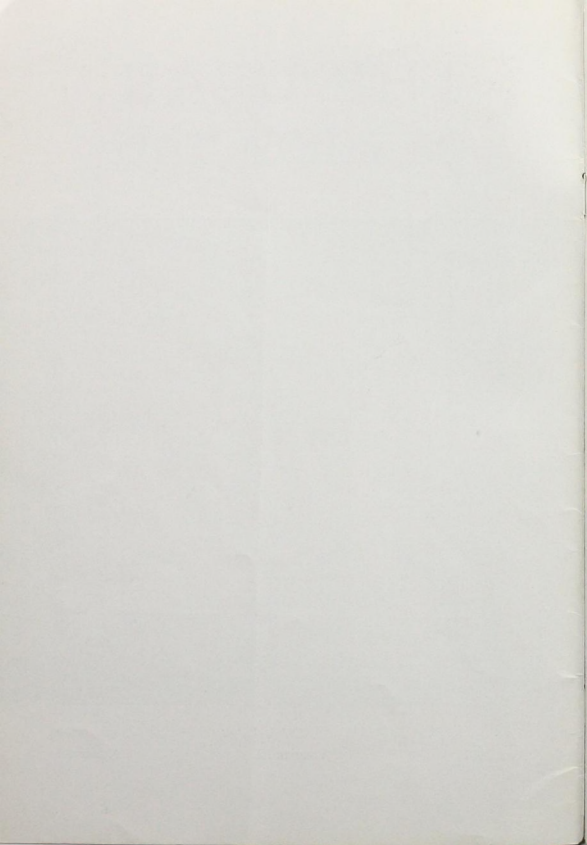
THE GEAR OF THETA TAU



FALL 1961

VOLUME LI

NUMBER 1





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Board of Editors

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Cover Picture: The Ezekiel W. Cullen Building is the administration building at the University of Houston. Eta Beta Chapter of Theta Tau was installed at the University of Houston in May, 1961, to become the first Texas Chapter for Theta Tau.

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University of Houston Administration Building

University of Houston Engineering Building



Eta Beta Installed at Houston

New Chapter at the University of Houston is Theta Tau's first Texas Chapter

Climaxing a year and a half of work and activity, Epsilon Nu Gamma, local engineering fraternity at the University of Houston, became Eta Beta Chapter of Theta Tau. The installation was held on May 13, 1961, in the Rice Hotel in Houston. This addition makes a total of 25 active Chapters in the Fraternity and is the second Chapter to be added in a year. This is our first Chapter in Texas.

The first activity of Epsilon Nu Gamma (ENG) started in November, 1959, when a group of students organized the fraternity to promote a bond of fellowship among engineering students in all majors. The group moved naturally toward national affiliation. Through the fine leadership of its first chairman, Jerry Rix, and the first presidents, Kenneth Williams and Ned Cheshire, the group moved steadily toward petitioning Theta Tau for a charter.

History of ENG

During the 1959-1960 school year, the local was organized, held meetings, and became officially recognized on the University of Houston campus as a professional engineering fraternity. In early June, 1960, Brother Pope first visited the University of Houston campus. At that time he met with Dr. J. E. Williamson, dean of men, and with Prof. William J. Leach, then assistant to the dean of engineering. These men expressed the interest of the University and engineering administrations in helping ENG become affiliated with Theta Tau. The officers of the local escorted Brother Pope about the campus during his visit. At that time the officers were: Ned B. Cheshire, president; Ben H. Hood, Jr., vice president; Edgar A. Rapp, Jr., secretary; and Avery

L. Howell, Jr., treasurer. The group met for dinner with Brother Pope, and he became acquainted with 13 of the 16 members. Among this group were the future charter members. Brother Pope reported that "theirs is a high quality group" of capable students who are also active in extracurricular activities. The group began plans to petition Theta Tau the next school year.

Brother Pope made a return visit to Houston in February, 1961. At that time Dr. Frank M. Tiller, dean of the Cullen College of Engineering, added his personal endorsement of the group petitioning Theta Tau. Professor Leach had become the group's adviser and would also become a charter member. Another interested faculty member, Prof. William T. Kittinger, Jr., the group's first adviser, was away from the campus for the semester. Again Brother Pope met with the members and had a satisfactory visit.

The petition followed and was approved by vote of the Fraternity. The installation was set for May 13, 1961.

The University of Houston

The University of Houston was established in 1934, and its Cullen College of Engineering in 1941. It is governed by a self-perpetuating Board of Governors. Enrollment is about 13,000, with 1,400 engineering students.

The College of Engineering offers bachelor and master of science degrees in chemical, civil, electrical, industrial, mechanical, and petroleum engineering. All except electrical engineering are accredited by E.C.P.D. The Ph.D degree is offered in chemical engineering.

THE GEAR OF THETA TAU



CHARTER INITIATES

(Back row) Prof. William J. Leach, Kenneth W. Williams, Benjamin H. Hood, Jr., Avery L. Howell, Jr., Ned B. Cheshire. (Middle row) Edgar A. Rapp, Jr., Jerry L. Rix, Bobby G. Adame, Jim A. Boyd, Robert F. Schwartz. (Seated) Jims Gee, Joseph A. Hedding, Jr.

The University has 14 national social fraternities, all established since 1955, 16 professional fraternities, including Theta Tau, and 7 honor societies.

A highlight of the installation weekend for the new members was the news that the Texas Legislature had voted the University of Houston state funds. Thus it becomes a part of the outstanding state-supported school system of Texas.

The Installation

The installation activities were preceded by a "coffee" meeting on Friday night of the officers of ENG, Professor Leach, and the visiting official representatives of the

Executive Council.

On Saturday, May 13, 1961, at 2:00 p.m., a Grand Chapter of Theta Tau was convened to install Epsilon Nu Gamma as Eta Beta Chapter. The installation was held in the Sam Houston Room of the Rice Hotel. Members of the Executive Council participating in the ceremony were Grand Vice Regent William K. Rey, who presided, and Grand Scribe Robert E. Pope. The Acting Grand Regent appointed the following Theta Tau members as Acting Grand Officers to complete the installation team: William E. Franklin, Zeta '57; Edward P. Hansen, Zeta '48; James L. Ibison, Upsilon '36; and Kent R. Shellene, Sigma '54.



ACTIVE INITIATES

(Back row) Gerald L. Spieldenner, Harold L. Odell, John C. Rush, Howard B. Camp. (Middle row) Chris N. Stamos, Stephen L. Shaw, Richard A. Brooks, Johnny Arnaud, Willard P. Holland, Jr. (Seated) Loyal C. White, Jr., Herbert A. Underwood, James C. Hassell, Charles J. Tamborello, Morris S. Medley, Jr. Not pictured: Ruhi R. Berent.

The installation of Eta Beta Chapter proceeded in accord with the Theta Tau Ritual. The following men were initiated into Theta Tau as charter members of Eta Beta Chapter: Avery L. Howell, Jr., Ned B. Cheshire, Kenneth W. Williams, Jerry L. Rix, Edgar A. Rapp, Jr., Benjamin H. Hood, Jr., Bobby G. Adame, Robert F. Schwartz, Jims Gee, Joseph A. Hedding, Jr., Jim A. Boyd, and William J. Leach.

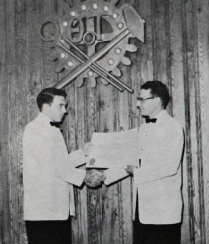
The following men were then initiated as active members: Willard P. Holland, Jr., Loyal C. White, Jr., Gerald L. Spieldenner, Chris N. Stamos, Morris S. Medley, Jr., Johnny Arnaud, Charles J. Tamborello,

Howard B. Camp, Stephen L. Shaw, Ruhi R. Berent, Herbert A. Underwood, James C. Hassell, John C. Rush, Richard A. Brooks, and Harold L. Odell.

The initiation was closed with the installation of the officers of ENG as officers of Eta Beta Chapter. These were: Edgar A. Rapp, Jr., Regent; Robert F. Schwartz, Vice Regent; Loyal C. White, Jr., Scribe; John C. Rush, Treasurer; and Herbert A. Underwood, Corresponding Secretary.

Installation Banquet

Following adjournment of the Grand Chapter, a reception was held in the San



A highlight of the weekend—Grand Vice Regent Rey presents the Eta Beta Charter to Edgar A. Rapp, Jr., Regent

Rapp receiving Charter from Rey. Seated are Prof. and Mrs. Leach, Regent Rapp's date, William E. Franklin, Robert E. Pope.



ETA BETA OFFICERS

(Standing) John C. Rush, Treasurer; Richard A. Brooks, Marshal; Herbert A. Underwood, Corresponding Secretary. (Seated) Robert F. Schwartz, Vice Regent; Edgar A. Rapp, Jr., Regent; Loyal C. White, Jr., Scribe.



CHARTER INITIATES AND INSTALLATION TEAM

Charter Initiates, (back row) Jim A. Boyd, Ned B. Cheshire, Robert F. Schwartz, Benjamin H. Hood, Jr., Edgar A. Rapp, Jr. (Middle row) Prof. William J. Leach, Bobby G. Adame, Avery L. Howell, Jr., Jims Gee, Joseph A. Hedding, Jerry Rix, Kenneth W. Williams. Installation Team, (seated) James L. Ibison, Kent R. Shellene, Robert E. Pope, William K. Rey, Edward P. Hansen, William E. Franklin.

Jacinto Room. A banquet followed in the Sam Houston Room.

Regional Director Bill Franklin served as toastmaster for the banquet. The invocation was given by Brother Kent R. Shellene. Prof. C. V. Kirkpatrick presented the official greetings from the University and the Cullen College of Engineering to Theta Tau. Grand Scribe Pope then read excerpts from messages of welcome and congratulations received by the new Chapter from members and various units of our Fraternity.

A response was given on behalf of ENG by Brother Ned B. Cheshire, past president and charter initiate. The highlight of the evening was the presentation of the new Chapter's charter to Brother Edgar A. Rapp, Jr., who responded on behalf of Eta Beta Chapter as its first Regent.

The main address of the evening was delivered by Grand Vice Regent Rey, who described vividly the meaning of a professional engineering fraternity to the members and guests gathered. (The address is reprinted in this issue of *The Gear*.)

On Monday an official visit was conducted by Brother Pope, and a meeting of the new Chapter was held. At that time the secrets of our Fraternity and Chapter operational details were reviewed.

Thus ended a series of events which saw a new and enthusiastic group become an active Chapter of Theta Tau. Evidence of this group's activity can be found in the "Chapter News" section of this issue. Great things can be expected from this Chapter, which on its installation night pledged to compete to win its place among the best Chapters by the next Biennial Convention.

The Ideals of Theta Tau

At the installation banquet of Eta Beta Chapter, Grand Vice Regent Rey expertly summed up the meaning of a professional engineering fraternity.

This evening we are commemorating an event which we hope will play a significant role in the continued growth and development of the Cullen College of Engineering—the installation of Eta Beta Chapter of Theta Tau Fraternity here at the University of Houston. Older members of Theta Tau will applaud this same event as another important forward step in our plans to make the benefits of membership in our Fraternity available to students at outstanding engineering schools throughout the United States and Canada.

During our installation and initiation activities this afternoon, our new members were introduced to our formal ceremonies. Tonight, I will discuss some of the history, the organization and the ideals of our Fraternity that may be of interest to our new members and guests.

Our Fraternity was founded at the University of Minnesota on October 15, 1904, by Erich J. Schrader, William M. Lewis, Isaac B. Hanks and Elwin L. Vinal. The fact that all four of our Founders are still living should be of particular interest to the charter members of Eta Beta Chapter—perhaps some secret of longevity accompanies the honor of being a charter member. Our principal Founder, Erich Schrader, has continuously and actively served our Fraternity in various capacities. At present Brother Schrader is our Counsellor. During the first twenty-five years following our founding, our growth was relatively rapid. By the end of 1928, 21 Chapters of Theta Tau had been established throughout our country at such widely separated schools as the University of California, Syracuse University, and the University of Alabama. On the other hand, since the depression years

our expansion has been relatively slow. Eta Beta here at the University of Houston is the twenty-ninth Chapter to be granted a charter. Of these twenty-nine, four are presently inactive. A very bright spot at present is the fact that Eta Beta is the second new Chapter to be installed within the past thirteen months.

Our Fraternity is governed by the actions taken at our national Conventions which are held every two years. In the intervals between Conventions our Fraternity is governed by a seven man Executive Council. The composition of our current Executive Council demonstrates the national scope of our Fraternity and also gives some indications of the type of men who continue to devote their time to our Fraternity. Charles W. Britzius, who is president of the Twin City Testing and Engineering Laboratory in Saint Paul, Minnesota, is currently serving his second two-year term as Grand Regent. Brother Britzius has previously served as Grand Outer Guard and Grand Vice Regent of Theta Tau. In addition to his outstanding service to our Fraternity, he has served the American Society of Civil Engineers in various offices and holds membership in numerous other technical and professional organizations. Robert E. Pope, our Grand Scribe, is a chemical engineer on leave, presently serving our Fraternity full-time as Travelling Secretary. As Travelling Secretary, Brother Pope devotes his time to promoting the extension of our Fraternity, maintaining close liaison with our active Chapters and serving as a trouble-shooter when problems arise. Our Grand Treasurer, Paul L. Mercer, is the manager of the Iowa Division of the Union Electric Power Company in Keokuk, Iowa.

The ideals of our organization are embodied in its description as a professional engineering fraternity. An examination of each of these words—professional, engineering, and fraternity—will help us to understand the functions of Theta Tau.

In 1948, Dr. William Wickenden, then president of Case Institute of Technology, in a paper entitled "The Second Mile" said, "Every calling has its mile of compulsion, its daily round of tasks and duties, its standard of honest craftsmanship, its code of man-to-man relations, which one must cover if he is to survive. Beyond that lies *the mile of voluntary effort*, where men strive for excellence, give unrequired service to the common good, and seek to invest their work with a wide and enduring significance. It is only in this *second mile* that a calling may attain to the dignity and the distinction of a profession." As members of a professional fraternity, we must demonstrate our willingness to walk Dr. Wickenden's "Second Mile" by continually striving for excellence, giving unrequired service and sincere devotion to our work. In this manner, we will *earn* the dignity and distinction that are attached to all professions. By applying this same principle to your Chapter operations, Eta Beta will be assured of its place as an important cog in the operation of Theta Tau. It is this term in our description — professional — that separates us from the social fraternity and the honor society. Furthermore, this term in our descriptive title places upon each Chapter the responsibility of fostering the professional growth of its members.

The second word in our descriptive title — engineering — indicates the common interest of our members. The earliest definition of engineering on record was published in 1827 by the Institution of Civil Engineers in England when only two kinds of engineering were recognized: civil and military. One of the more recent definitions of engineering was suggested by the

Engineers' Council for Professional Development in 1959: "Engineering is the profession in which a knowledge of the mathematical and natural sciences gained by study, experience and practice is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the progressive well-being of mankind." Although this definition has not received universal acceptance, it would obviously serve to differentiate our Fraternity from other professional fraternities in fields of endeavor such as law and medicine. This definition recognizes the necessity of acquiring knowledge that may be applied with judgment in the practice of engineering. Knowledge of your Fraternity's Constitution, Bylaws, and operation must also be acquired and then applied with good judgment to insure the successful operation of your Chapter.

Webster tells us that a fraternity is an organization formed chiefly to promote friendship and welfare among its members. It is this facet of our organization that sets us apart from the technical and professional societies whose primary concern is the technical or professional growth of their members. The bonds of fellowship and comradeship that you develop as active members of Theta Tau will remain with you throughout your lives. In later years, after you have all left the campus, many of your fondest memories of college life will be associated with your Fraternity activities.

In closing, I want to remind you that the honor of inscribing your names on our roll book as charter members of Eta Beta Chapter is accompanied by the responsibility for the future of this Chapter. You have no Chapter traditions or precedents to call upon for the easy solution of the problems and questions that will arise. On the contrary, your knowledge, imagination, sound thinking, initiative, and hard work will establish the traditions and precedents for those who will follow you.

"Well Done, Thou Good and Faithful Servants"

We pay tribute to the two men who have been THE GEAR for 32 years.

For more years than many Theta Taus have been alive, *The Gear* was edited by Brothers Joe Howe and Paul Mercer. Now, after 32 years and a most impressive record, they move to the Board of Editors, where their duties will be to advise and assist the Editor-in-Chief. At several Conventions they had requested this "retirement," but they were always pressed back into service.

Only Joe and Paul themselves know the real meaning of their close association through the years as Editors. Certainly theirs has been a partnership based upon a sincere and close friendship.

When asked by Don Curtis to take the editorship in 1929, Brother Howe did so, bringing in Brother Mercer as co-editor. Through the years *The Gear* has come out twice annually, surviving the depression, World War II, and the post-war inflationary period when costs of publication skyrocketed. The files reveal letters from the



Joseph W. Howe

many alumni who have enjoyed *The Gear* through these years.

One has only to glance through his file of *Gears* to see the mass of Theta Tau news transmitted to alumni and active members through the pages of *The Gear*. There were always other contributors to *The Gear* contents, the main one being Erich Schrader, whose prodigious memory enabled him to supply hundreds of alumni notes each year.

Missed by many will be the twin editorials signed J.W.H. and P.L.M., which appeared as regularly as each issue. Both contributed some fine thoughts through their editorials. Their reminiscences on their *Gear* service appeared as their last editorials in the Spring, 1961 issue. Reading these messages leaves no doubt that they have fond memories and associations of past years, and perhaps this has been their real reward for the years of dedicated service as *Gear* Editors.

Paul L. Mercer



The Gear was published in Iowa City through the years, with Brother Howe handling the bulk of the day-to-day operations, the printing, mailing, and other management details of the magazine.

During this period, both men have been outstanding in their professional fields. Brother Howe has spent the bulk of his time at the State University of Iowa, where he has been professor of mechanics and hydraulics and head of that department for many years. He was graduated from S.U.I. with a B.E. degree in 1924, received his M.S. degree in 1925, and is initiate number 89 in Omicron Chapter. He is also a member of Tau Beta Pi, Sigma Xi, and Chi Epsilon. Brother Howe is co-author of a book on fluid mechanics and is a member of A.S.C.E., A.S.E.E., and the Iowa Engineers Society. He is listed in *Who's Who in Engineering*. He has a son and daughter. Brother Howe is currently at the University of Michigan taking a computer course. He expects to return to S.U.I. for the spring semester.

Brother Mercer is manager of the Iowa

Division of Union Electric Company in Keokuk. He received his B.E. degree in 1921 and an M.S. degree in 1922, both from S.U.I., where he was Omicron initiate number 36. He is also a member of Phi Gamma Delta, Tau Beta Pi, and Sigma Xi. Brother Mercer is active in civic work, primarily the Y.M.C.A., and is a member of Rotary, Masons, and the Iowa Engineers Society. He is listed in *Who's Who in Engineering*. His son, Robert H. Mercer, is also a Theta Tau. Brother Mercer has served as Grand Inner Guard and has served Grand Treasurer at the Eighteenth Biennial Convention in 1950, a position in which he continues to serve.

Certainly few Theta Taus have given so much of their time to the Fraternity and have spent so many years in continuous service. Theirs has been real dedication to the Fraternity, and fortunately their services are not being lost, as they serve on the Board of Editors, along with Brother Don Curtis. Certainly Theta Taus everywhere owe them a hearty, "Thanks for a job well done, Joe and Paul."

Executive Council Meets in Chicago

With a full agenda of Fraternity business to dispatch, the Executive Council met on March 18, 1961, at Midway House, Chicago, Illinois. All members of the Executive Council were present except Counsellor Erich J. Schrader.

Significant actions taken included the extension of the Travelling Secretary's contract to May, 1963, reactivation of the Board of Editors of *The Gear*, and reappointment of Archivist Milton S. Wunderlich. In addition the Regions were established for the coming biennium and were renamed geographically, and Chapters were assigned to them. A Regional Director was named for each.

Delta Beta Chapter was selected as the host for the Twenty-Fourth Biennial Con-

vention to be held in December, 1962.

Approval was given for a certificate award to be prepared in blank form and used to honor outstanding members of the Fraternity as designated by the Executive Council.

Considerable discussion was held on other matters. Better and more efficient operation of the "national office" was discussed. Several significant policies were established to improve these operations and provide more efficient discharge of his duties by each officer.

Shortly after the meeting Grand Regent Britzius announced the Interim Committees and the appointees to them. Thus the current biennium was given a vigorous start by the early action of the Council.



Ethics

This is the second of a series of messages on professionalism by Grand Regent Britzius.

To the credit of the engineering profession, engineers are becoming more and more concerned about ethics, which, in its essentials, is "honesty." One can frequently appeal to a sense of generosity and fair play. Fair play derives from ethics, I suppose, but at the same time it is a motive for ethics. Fair play is one of the strongest American ideals or aspirations. Also there is the Golden Rule, another well known ideal. One can remind the engineer that one who is ethical and upright enjoys peace of mind while the unethical and dishonest engineer is tormented by worry and fear. He always has to be sure that he is consistent in all the lies he has to tell to cover up his illegitimate operations. There is an appeal to religion. Ethics and religion differ widely, of course, in their bases and origin. Ethics isn't religion at all, it is philosophy. But the fact remains that he who obeys the Ten Commandments is bound to be ethical in his deportment. Figures have been published to show that there is an important resurgence of religion in the United States, but it doesn't follow as yet that you can stir engineers by an appeal to religion. To me, religion seems to be the most potent of the motives.

Canons of Ethics

The most used rules for ethical conduct by engineers are those prepared by the Engineers' Council for Professional Develop-

ment. In addition to the "Foreword," there are other sections such as "Professional Life," "Relations With The Public," "Relations With Clients and Employers," and "Relations With Engineers." The "Foreword" deserves quoting: "Honesty, justice, and courtesy form a moral philosophy which, associated with mutual interest among men, constitutes the foundation of ethics. The engineer should recognize such a standard, not in passive observance, but as a set of dynamic principles guiding his conduct and way of life. It is his duty to practice his profession according to these Canons of Ethics.

"As the keystone of professional conduct is integrity, the engineer will discharge his duties with fidelity to the public, his employers, and clients, and with fairness and impartiality to all. It is his duty to interest himself in public welfare, and to be ready to apply his special knowledge for the benefit of mankind. He should uphold the honor and dignity of his profession and also avoid association with any enterprise of questionable character. In his dealings with fellow engineers he should be fair and tolerant."

Most engineering societies and organizations have used the ECPD Canons as a model. The National Society of Professional Engineers has clarified the meaning of the various 28 sections of the ECPD Canons by preparing explanatory rules. Study of the

Canons is recommended. They can be obtained from either the Engineers' Council for Professional Development or the NSPE, the latter source being recommended because it contains the rules referred to.

Consultants vs. Salaried Employees

With respect to engineering ethics, the consulting engineer, who comes closest to the doctor or lawyer in service to people and who conducts a strictly individual-to-individual practice, has his own special problems. On the other hand, the engineer in industry comes up against entirely different problems and in many ways can't go along with the consulting engineer. This conflict is so bad consulting engineers often feel they should split from the rest of the engineering profession and set up their own private set of rules.

In talking to engineers from all fields of endeavor, it seems to me that I find an underlying dissatisfaction that comes from misgivings about their practice, particularly with regard to ethics. Engineers are trained in school to use their technical skills to solve problems, then when they go to work they get thrown in with human beings. They find that these human beings prevent the reasonable solution of many technical problems. They find themselves often having to pull their punches on correct answers and watch company policy or consider what might please the client even though it's probably not the best thing for him, or to install machinery made by the employer when somebody else's machinery might be better. I really think this is "eating" a lot of engineers, and this is one of the reasons for the continued growth of the professional movement and for the emergence of some consciousness of a need to clarify this question of engineering ethics.

Other Professions

The engineer, however, is in a bad position compared to the doctor or lawyer, who practices to serve private clients who come

with their personal problems. Engineering is not private but has always been connected with commercial business, the investment of funds, and the making of money. We seldom have the situation where something has to be built to save life, and I know of no situation where something has to be constructed to keep people out of jail. In this sense engineering is not as vital as law and medicine. When you are under arrest you simply have to do something about it, and when you are sick you have to do something about it; but if you need a building or a plant, there is not this same dire compulsion to go into the venture and hire a professional man to tell you what to do. We all buy patent medicine in some form or other, and if we can solve our engineering problems in this manner there is far more temptation than solving our health problems this way.

Just to show some examples of the difference between engineering and some of the other professions, consider one point in medicine and dentistry. The codes of ethics of each of these professions state that the practitioner will not take out patents, but that having made an invention he will turn it over to the profession at large. Compare this to the generally accepted homage we pay to the American patent system and to the idea of cooking up new schemes for doing things, new products, and new developments, with the object in mind to make an enormous profit.

Consider another point: doctors or lawyers are reluctant to work for corporations, and if they do, they cannot practice their profession in the traditional manner. The corporation lawyer usually can't appear before the court; a salaried physician working for a corporation usually can't write prescriptions. Compare this with engineering in which by far the major portion of engineers in this country is employed on a salary basis. Their pay is fixed; they do not charge fees. On the other hand, the doctor's

pay is largely fixed by what the medical society prescribes as being reasonable fees; and in this fee schedule may come a certain amount of consideration of the patient's ability to pay, particularly where major illnesses or surgery are involved. It is a little difficult to imagine engineers charging on this basis.

Sales Engineers' Problems

The sales engineer has a problem. There are a great many fine engineers who work for manufacturing companies whose sales policy is one of hard selling. They might tell you that their company's machines are far and away better than any other machines on the market, and what's more, they believe it. Here we have a lack of objectivity but usually a perfectly honest one. The question

now is how can this sales engineer make himself professional, or is it hopeless to ask him to do so? Do we have to exclude these men from the ranks of top professional engineers because of their commercial interests? I know that some of them have been kind enough to tell me not to buy some of their machines because they didn't happen to have the design which would suit my purpose. I'm not entirely sure how well this would go with a sales department whose function was to sell the company's products wherever they could. Should we train them to resist their own sales departments?

I hope that this effort has shed some light on the problem and will provide a starting point for a continued study of the subject of engineering ethics.

New York Alumni Organized

In the winter of 1960-61, certain members of the local engineering fraternity of Columbia University expressed a definite interest in re-affiliating with Theta Tau. Initial contact from the local group was made by Larry Gunther with Past Grand Regent Dex Hinckley. As a result of this interest, Brother Hinckley contacted a number of alumni living in the metropolitan area who were members of the former Theta Chapter of Theta Tau at Columbia. This group, together with another Theta alumnus, Dick Wilson, joined in a series of smokers sponsored by the local fraternity at Columbia to encourage membership in the local group with the ultimate objective of re-affiliating with Theta Tau. This cooperative effort resulted in a successful pledge period in which twelve new members were added to the local fraternity.

The enthusiasm and fellowship rekindled by this effort to reinstate the Columbia Theta Tau Chapter fostered efforts to form an alumni club of Theta Tau in the metropolitan area. To this end, a meeting was held at a weekend beach party on Septem-

ber 10 to organize such a club. At this time an Interim Executive Committee was formed comprised of: Don Mac Laren, Frank Evers, Norm Glover, Joe McCormick, and Lee Prochazka. It was decided to go ahead with an organizational meeting which was to be a picnic held in conjunction with the preseason practice football game between Columbia and Bucknell at Baker Field on September 16. In addition, replies were obtained from nineteen other interested alumni.

Following this initial success, a meeting of the organizing group was held on October 25 at the Columbia University Club to decide what should be done next. After reviewing the Fraternity laws governing alumni groups, it was decided to make immediate application for membership as an alumni club. To this end a set of bylaws was drafted and plans laid for a minimum of three meetings each year. Application for membership was made, and Grand Regent Britzius recently made this group an alumni association of Theta Tau.

Comments from the Travelling Secretary

The installation of Eta Beta Chapter at the University of Houston is detailed elsewhere in this issue. Again there was added to our ranks a fine group of initiates who will certainly carry forward with enthusiasm the Theta Tau traditions. This is a young, well regarded University, where Theta Tau has received the much appreciated support of the administration and the faculty.

Within the next few months we look forward to further good news from Houston regarding the formation of an alumni club there involving the sixty-three alumni in the Houston area who represent seventeen of our Chapters.

Never before in our history have we had twenty-five Chapters currently active as we now do. We expect to increase this number each year with an accelerated period of growth ahead.

It is a pleasure to join others in Theta Tau in expressing thanks to Brothers Howe and Mercer for their thirty-two years as Editors of *The Gear*, and in saluting Brother Bill Franklin as he assumes top responsibility for our magazine. The years since I first met Bill Franklin when he pledged Theta Tau have been years during which his great abilities have been used for great service to Theta Tau. I am sure that all those within our Fraternity will come to recognize this as he edits *The Gear*.

Just recently, Brother Franklin has been principally responsible for the publication of a new Theta Tau information leaflet, and again responsible for a new edition of the extension booklet, "Theta Tau on Your Campus." The PIC this summer published a small leaflet explaining in a general way the professional fraternity idea. These new publications provide us with a valuable supply of readily available printed material for use in our continuing effort to educate

others about Theta Tau and the professional fraternity program.

As we begin another school year, cooperation will remain the most significant factor contributing to our progress. We will look forward to the continuing cooperation of Theta Tau members who have undertaken responsibilities in areas where Theta Tau progress depends so heavily on their efforts — where Chapter programs need improvement, where a local group of interested students needs help and encouragement, or where Theta Tau alumni need leadership in joining together in the formation of an alumni organization.

Because of our limited information (our national files do not contain the professional affiliation of every alumnus) and because we have tried to concentrate our efforts on known campus contacts during visits, I am sure we have inadvertently overlooked some vigorous, interested alumni in cities visited. These men, because they are on the faculty, or because of their interest in Theta Tau and their willingness to help, would be ideal ones with whom we should work. This unavoidable oversight is much regretted. Unfortunately, it is likely to continue unless these alumni let us hear from them. Therefore, each alumnus is strongly urged to write to us letting us know if he is on the faculty of a school with an accredited engineering division, or if he is in or near a city with such a school or where an alumni organization should be taking form. Sometimes replies will be unduly delayed because of travels, but eventually they will be forthcoming. We will appreciate this opportunity for additional contact with other Theta Tau alumni; but even better, we will begin working in cooperation with these alumni in promoting a greater future for Theta Tau and in making membership more meaningful.

ROBERT E. POPE



Jay N. Thorpe

Regional Conference Plans Under Way

The 1961-1962 Regional Conferences are now being planned by the Chapters. The hosts for the Conferences are: Eastern Region, Phi; Western Region, Chi; Northern Region, Beta; Southern Region, Mu. Coordinating the Conferences this year is Jay N. Thorpe, Grand Outer Guard, working with the Regional Directors. (The Chapters in each Region are detailed in the Directory.)

The Regional Conferences are a most important function of Theta Tau and have become more popular with the Chapters each biennium. The fraternal bond of Theta Tau is strengthened individually and nationally as a result of these meetings. The specific purposes of the Conferences are to:

- 1) Provide closer contact among Chapters of the Fraternity
- 2) Discuss common problems of Chapters and interchange ideas for better Chapter and national operation
- 3) Prepare groundwork for legislation at the next Biennial Convention
- 4) Improve initiations through Initiation Workshops
- 5) Provide a better understanding of national office and officer functions.

Regional Conferences are usually held in the spring, but the host Chapter acts as coordinator, selecting the optimum time for

its Region's Conference. Each Chapter is required to send one Delegate, but many send a carload. An Executive Council member will be at each meeting. Virtually the entire expense is borne by the national Fraternity.

The host Chapters will make all arrangements and will assign major discussion topics to participating Chapters prior to the meeting. Prizes are awarded to the Chapters making the best presentation of their topics. Each Conference will include an official luncheon and banquet program with appropriate talks by advisers, alumni, and Executive Council members. All host Chapters have been asked to work through their Regional Directors and Brother Thorpe in making plans for their Regions.

A program has been prepared for the Regional Conferences. This has been set up as a guide, and host Chapters are urged to include items of particular value to Chapters in their Regions. Each host will prepare and distribute its agenda in advance, giving each Chapter time to prepare its assigned topic.

SUGGESTED PROGRAM TOPICS

A. PLEDGING PROCEDURES

1. Basis of selection
2. Pledge program
3. Duties and responsibilities of pledges

4. Duties and responsibilities of members toward pledges
 5. Use of new pledge tests and ways to improve them
- B. CHAPTER OPERATION
1. Discussion of *Chapter Adviser's and Chapter Officers' Manual*
 2. Discussion of Chapter and Chapter Officers' Calendars
- C. INITIATION PROBLEMS
1. Complete Workshop on the initiation of Theta Tau
 2. An official initiation by the host Chapter of pledges sometime during the Conference, if at all possible
- D. HOUSING PROBLEMS
1. House Chapters
 - a. House meal problems
 - b. House lodging problems
 - c. Maintenance problems
 2. Non-house Chapters
 - a. Obtaining a permanent meeting place owned by the Chapter
 3. Joint Meeting of Groups 1 and 2
 - a. Obtaining and financing a house
- E. CHAPTER PROGRAM
1. Professional development
 - a. Professional programs at Chapter meetings
 - b. Encouragement of high school students to enter engineering
 - c. Participation with various professional societies
 - d. Professional dinner meeting with faculty and alumni
 2. Schrader Award activities
 3. Extension
 - a. Chapter participation in the extension program
 - b. Working with alumni toward expansion of Theta Tau
- F. ALUMNI GROUPS
1. Closer working relations and alumni of Theta Tau
 2. Planning and establishing new alumni groups after graduation
- G. MISCELLANEOUS
1. Discussion of a basis for standardizing bookkeeping systems among Chapters

Each Chapter will be anticipating full participation in these worthwhile meetings. The rewards of active participation will be improved Chapter operation and a strengthened fraternal bond.

New Washington Alumni Club Rolling

A group of Theta Tau alumni met May 17, 1961, in Seattle, Washington, at Andy's Diner. There were eight men present representing Chapters as follows: Lambda, 6; Alpha, one; and Kappa, one. Included in those present was Founder Number 2, Brother Elwin L. Vinal.

At this meeting Jay N. Thorpe, Lambda '57, Grand Inner Guard, proposed that an alumni club be formed, and presented some ideas for alumni club activities. Brother Gordon Gottstein, Lambda '49, contributed much to the discussion and many good ideas. He also acted as recorder for the meeting.

Brother Vinal reviewed the early days of Theta Tau and told of his experiences of meeting many Theta Taus in remote places. He told of Erich Schrader finding him at a remote mine which he was inspecting. They were the only ones for miles around.

It was decided at this meeting to proceed to form an alumni club. It was further decided to hold the next meeting the 5th of July during a visit by Grand Regent Charles W. Britzius and Regional Director C. Ramond Hanes, who would then be in Seattle to attend the N.S.P.E. Convention.

The second meeting of alumni in the

Seattle area was also held in Seattle at Andy's Diner in the executive lounge. The master of ceremonies was Jay N. Thorpe. The guests of honor were Founder Elwin L. Vinal and Grand Regent Britzius. Brother Hanes was also in Seattle but was unable to attend because of pressing business with N.S.P.E. Brother Vinal related a little of the early struggles of the Fraternity and told of the bond of common interest in an engineering fraternity. Brother Britzius told of the status of the Fraternity, its ups and downs over the years, and how alumni associations might function to strengthen the bonds of Theta Tau. The group presented an alumni charm to Founder Vinal in recognition of his distinction in founding this Fraternity.

Many interesting people were present at the meeting. Alpha Chapter was represented from Founder Vinal to A. L. Haley, '25; from Grand Regent Britzius, '33, to Danti Rossini, '59. Omega also had four present, Lambda three, Psi two, and there was one each from Nu, Gamma, Zeta,

Theta, Gamma Beta, and Beta Chapters. Also of note is Roy B. Earling, Beta '08, who was one of the first members of Beta Chapter and helped put out the first issue of *The Gear*. Clarence G. Schrader, Psi '41, nephew of our Founder, Erich J. Schrader, was also present.

The group decided to proceed with the formal organization of an alumni club, and objectives for the alumni club were discussed. These included strengthening our fraternal bond, advancing the engineering profession, and establishing additional chapters, particularly at the University of Washington.

The next meeting date was set for October 16, 1961, to celebrate Founders' Day. This should be one of the greatest Founders' Day affairs in the country, since it is expected that two of the Founders will be present, plus the first initiated member, making a total of three of the first five members of Theta Tau. Brother Earling will also be present.

United Engineering Center Dedicated

Undergraduate speaker was William L. Hallerberg, Iota '62.

On November 9 seven hundred engineers and guests witnessed the dedication of the new United Engineering Center (UEC) in New York, headquarters for some 300,000 American engineers.

The Center, housing 20 leading engineering societies, is a 20-story stainless-steel and glass structure at the corner of United Nations Plaza and 47th Street.

Among the speakers was former President Herbert Hoover. Mr. Hoover was introduced by Willis F. Thompson, president of United Engineering Trustees, Inc. Dr. Eric A. Walker, president of the Pennsylvania State University, delivered the keynote address.

The United Engineering Center is owned and operated by the United Engineering Trustees, Inc. The founder societies are: the American Society of Civil Engineers; American Institute of Mining, Metallurgical and Petroleum Engineers; the American Society of Mechanical Engineers; the American Institute of Electrical Engineers; and the American Institute of Chemical Engineers.

William L. Hallerberg, Iota '62, addressed the dedication in the name of student engineers. Brother Hallerberg is a senior honor student in metallurgy at Missouri School of Mines. He is on the dean's list and holds the Curators Award. He is

president of Pi Kappa Alpha fraternity, a member of Blue Key, and an editor of the school yearbook. Brother Hallerberg's remarks follow.

"My role here this afternoon is somewhat different than that of the other speakers. All these distinguished gentlemen and most of you in the audience are the people responsible for this impressive building. You are the ones who, at first, conceived the idea of this new building. You are the ones who raised the funds, who made the plans, and who pushed the construction to completion.

"I, on the other hand, am a member of, and represent the generation of engineers, who had little or nothing to do with the creation of this structure but who will surely benefit most from its existence. You can look at it this way. We will be the new tenants, the new landlords and the new directors. We will take up where you leave off to shape the organizations, to make them more efficient and more productive. We will use the tools you have forged for us to make strides in engineering unheard of 20 years ago. I am sure that every member of your generation responsible for these accomplishments, especially this building, is proud that he has built for the future. I am equally sure, that every member of my generation, is grateful for what has been done for us.

"It seems to me that this is just a single, yet fitting example of what constantly occurs in the engineering field. If we just consider the tremendous engineering achievements that are all around us here — the skyscrapers in every direction, the great bridges over the rivers, the aircraft that pass overhead, the network of electrical communications and power that links this great nation of ours with the world, and certainly not least of all, the use of metals and alloys on every side; we realize that these are not the achievements of a few



Brother Hallerberg talks with former President Herbert Hoover

men, nor even a generation of men. They are the results of the present day engineer building on the firm foundation of engineering knowledge established by those who went before him. These accomplishments of the past may have started as simple thoughts, whose future seemed quite dim, yet, when investigated, were found not only to be sound, but to be advantageous to mankind. These are the accomplishments that give us, the engineers of tomorrow, our strong basework.

"The engineers of my day will surely produce results that will surpass anything that we now have. Not because we will be more intelligent, not because we will be better as individuals, but because our predecessors have already placed many stepping stones into the stream of knowledge that will provide the beginning path which may then be extended into the now unknown. With each year, the stream of discovery adds to the reservoir of knowledge from which we can draw. With each year the storehouse

of tools and devices which multiply our own capabilities becomes better stocked.

"My generation of engineers has the obligation to continue the placement of stepping stones; to continue adding to the reservoir and to continue the stocking of the storehouse. When we accomplish these things we shall have earned the right to use the facilities that have been created for us; the Engineering Societies, the professional traditions that you have built, this United Engineering Center.

"We hope that progress achieved by orderly, logical processes typical of the engineering field of ours can be extended into many other areas including the activities in the nearby United Nations. Engineers start with established principles and logical reasoning. This approach seems to have no place in the solution of problems that the world is now facing. Emotions seem to dictate decisions in today's world of diplo-

macy. There seems to be no firm dividing line between progress and regress; between life and decay.

"Here, then, is the real challenge to us, the engineers of tomorrow. True, it will be our responsibility to design larger buildings, to build higher flying aircraft, and more reliable rockets. But if we are to do these things in the world of tomorrow, it is also our responsibility to make sure there is a world for us to work in. Perhaps we can replace the jealousies—the unreasonable hatreds—the insane competitions that dominate international relations and substitute rational approach that has brought such progress in engineering and science.

"I cannot promise what we will do—only what we intend to do. I can assure you that we are anxious to take our place in the world—the engineering world and the world of civilization—and match or surpass the achievement of the past."

University of Louisville Greek Week

by James B. Guffey, Delta Beta '62

The 1961 Greek Week at the University of Louisville featured a program which is believed to be unique. In the past, the Greek Week has consisted of stunts or contests, such as climbing greased flagpoles and wagon races. However, this past spring the program differed radically, with conferences and meetings replacing the games.

The local Interfraternity Council realized that the Greek letter system on the campus could be strengthened only through the co-operative efforts of all the eight local chapters and their national organizations. Therefore, the I.F.C. invited a representative from the national organization of each fraternity to participate with local members of the chapters in conferences held on campus during Greek Week. Delta Beta was very ably represented nationally by Robert E.

Pope, and locally by a large number of actives at the meetings.

The Greek Week program began with a luncheon, after which University of Louisville officials and those in charge of the Greek Week program welcomed the national representatives to the campus, and explained the University's interest in the Greek letter system. After a period when the representatives and the local members further became acquainted, the conferences began. The most time by far was spent on rush rules, although such topics as alumni clubs, finances, mothers' clubs, and pledging were also discussed.

All involved agreed that the conferences were fruitful, and look forward to a strengthened Greek system at the University of Louisville in the near future.

Meet the Regional Directors

EASTERN REGION Chester J. Selden, Epsilon Beta '53, holds the number 49 pin of his Chapter. He is an industrial engineer by education and assistant general manager of Hartman Metal Fabricators. He lives with his wife in Detroit, Michigan, where he is active in the Detroit Alumni Association. Brother Selden is also a member of the American Material Handling Society, Society of Auto Engineers, and American Institute of Industrial Engineers. In his travels about the country he has dropped in on many of our Chapters for short, friendly visits.



WESTERN REGION Garn Hatch, Zeta Beta '56, is a charter member of his Chapter. His home is in Salt Lake City, Utah, where he is a senior project engineer for Sperry Utah Company. He is commander (Lt. Col.) of the 4th Rocket Howitzer Battalion, Fort Douglas, Utah. He serves on the Boy Scout Executive Board in Salt Lake, and as editor of *Utah Engineering and Science*, a publication of the Utah State Engineering Council. Brother Hatch's family consists of a wife and four children. He enjoys skiing, hiking, photography, and architecture.

NORTHERN REGION C. Ramond Hanes, Sigma '24, is also a charter member of his Chapter. His home is in Columbus, Ohio, where he is first assistant engineer of construction for the Ohio Highway Department. He is a vice president of N.S.P.E., a past president of the Ohio Society of Professional Engineers, and a member of the Maumee Valley and Lima Chapters of the Ohio S.P.E. Brother Hanes is an active Theta Tau, serving his Chapter as a trustee for Sigma of Theta Tau Association, Inc.; he was Grand Inner Guard from 1958-60.



SOUTHERN REGION William E. Franklin, Zeta '57, lives in Lindsay, Oklahoma, where he is a production engineer for Cities Service Petroleum Company. He is a registered professional engineer in Oklahoma and a junior member of A.I.M.E. He is also active in Sooner Toastmasters Club in Norman, Oklahoma, serving it as treasurer. Brother Franklin was originally appointed a Regional Representative in April, 1957, when the program was first begun. His hobbies are hunting, reading, and photography. Brother Franklin has a wife, son, and daughter.



Alumni News

General LeMay Made Chief of Staff of Air Force

General Curtis E. LeMay, Sigma '29, has been appointed Air Force chief of staff by President Kennedy. This appointment tops a long list of accomplishments by Brother LeMay.

Brother LeMay was born at Columbus, Ohio. He received his engineering degree at Ohio State University in 1929, and completed flight training at Kelly Field, Texas the same year. He was then appointed a second lieutenant in the Regular Army, and during the next 12 years held the usual routine assignments of a peacetime officer. During this period he graduated from the Air Force Tactical School at Maxwell Field, Alabama.

When World War II was imminent, Brother LeMay was selected to pioneer the ferry routes to Africa via South America and the south Atlantic and to England via the north Atlantic. In 1942 he was placed in command of the 305th Bombardment Group, one of the first U. S. Air Force bombardment units to enter combat. Brother LeMay earned credit in professional military circles for the development of formation procedures and techniques used by bomber formations in the European Theater throughout the war.

In August, 1943, he led the famous shuttle mission of Flying Fortresses from England to the target at Regensburg, Germany, landing at the end of the mission in North Africa. This was the first such mission ever flown. During this final tour of duty with the Eighth Air Force from June, 1943, to June, 1944, Brother LeMay was



commanding general of the Third Bombardment Division.

In 1944 Brother LeMay was transferred to the Pacific Theater as commander of the 20th Bomber Command. In January, 1945, he was appointed commander of the 21st Bomber Command. He continued to head this command after it became the 20th Air Force. Later he was made chief of staff of the U. S. Army Strategic Air Forces with headquarters at Guam.

Brother LeMay was appointed deputy chief of air staff for research and development on December 5, 1945. In this position he was responsible for directing and super-

vising all Air Force research, developing, and testing. In October, 1947, Brother LeMay assumed command of the U. S. Air Forces in Europe. In was in this capacity that he organized the Berlin Airlift which successfully countered the Soviet blockade of that city.

In October, 1948, Brother LeMay became the first commander-in-chief of the Strategic Air Command. He spent almost the next 10 years building SAC from the remnants of World War II to a global fleet of nuclear bombers, capable of 24-hour alert and immediate retaliation. Brother LeMay is perhaps best known for this outstanding service to our country. In 1957, Brother LeMay became Air Force vice chief of staff.

Brother LeMay holds the Distinguished Service Cross, Distinguished Service Medal with one Oak Leaf Cluster, Silver Star, Distinguished Flying Cross with one Oak Leaf Cluster, and the Air Medal with three Oak Leaf Clusters, Medal for Humane Action, and the Mackay Trophy. His foreign decorations include the Brazilian Order of the Southern Cross; British DFC; French Legion of Honor, Commander Grade; French Croix de Guerre with Palm Leaf; Belgian Croix de Guerre with Palm Leaf; Moroccan Order of the Ouissam Alaouite Cherifien, Grade of Commander. Brother LeMay has held general rank for 17 of his 31 years as an officer—a record no other active duty Air Force officer can match.

Albert Young Named State Highway Engineer

Albert M. Young, Omega '32, has been named South Dakota's state highway engineer. Brother Young, who was the second man to be initiated into Omega Chapter, started working for the highway department in 1922. He quit work to enroll at South Dakota School of Mines and received his degree in civil engineering in 1932.

Following graduation, he was resident engineer for the highway department at

Rapid City and Pierre, then became a district engineer before being named preconstruction engineer in 1953. His recent appointment as state highway engineer followed.

Brother Young is past president of the South Dakota Society of Engineers and Architects and is a member of the N.S.P.E. His address is 116 West Second Street, Pierre, South Dakota.

Graham B. Moody Edits Petroleum Handbook

Graham B. Moody, Epsilon '12, has edited a book entitled *A Practical Manual Summarizing the Application of Earth Sciences to Petroleum Exploration*. It is one of the five volumes in McGraw-Hill's Petroleum Handbook Series, "Petroleum Exploration Handbook," and presents in condensed form all current information and ideas on every phase of petroleum exploration. It is the first book to combine information in all lines of activity—from field geology, subsurface geology, geophysics, and res-

ervoir mechanics to the specific methods and problems of exploring for petroleum.

The book was written by a staff of specialists, each of whom is a recognized authority in petroleum exploration. Brother Moody, the editor, is now a leading petroleum consultant in California and chairman of the board of Buttes Gas & Oil Company. He was formerly chief reserves engineer, Standard Oil of California. He is also a past president of the American Association of Petroleum Geologists.

Stephen Moxley Birmingham's Man of the Year



On March 10, 1961, Stephen D. Moxley, Mu '22, was proclaimed "Man of the Year" for 1960 in Birmingham, Alabama. The recipient of this award, sponsored annually by local civic organizations, is chosen by a secret selection committee composed of representatives of business, labor, and religion. A "Man of the Year" must have performed some outstanding work of substantial value to the Birmingham community

during the preceding year, over and beyond the normal scope of his professional duties and usually at considerable personal sacrifice.

Brother Moxley, a charter member of Mu Chapter, is president of the American Cast Iron Pipe Company in Birmingham. He has served his community as chairman of the 1960 Jefferson County Christmas Seal Campaign, 1960-61 state chairman of Radio Free Europe Fund, and 1960-61 chairman of the Business and Industry Gifts Division to provide capital funds for the University of Alabama Birmingham Extension Division. He is a member or director of numerous other organizations for charitable, educational, or religious purposes. Brother Moxley is a member of the State Board of Registration for Professional Engineers and Land Surveyors. In 1959 he became the first chairman of the Birmingham Industrial Water Board. This project has assured Birmingham of the supply of industrial water necessary for future growth.

In September Brother Moxley was among 60 prominent Americans who made a 10-day inspection tour of Radio Free Europe's broadcasting facilities in West Germany and Portugal.

He is a Fellow in the American Society of Mechanical Engineers.

Lloyd Shackelford Promoted at General Electric

Lloyd C. Shackelford, Upsilon '41, has been promoted by the General Electric Company to manager of district sales, Wire and Cable Department, Central District, with offices in Chicago. Brother Shackelford has been with General Electric for most of the years since his graduation from the University of Arkansas. Prior to taking his new position, he was wire and cable specialist for the Northwest District, in

the Seattle area.

While in the Seattle area, Brother Shackelford was a member of the A.I.E.E., Electrical Inspectors Association, Northwest Light and Power Association, and the Northwest Public Power Association. He served two years as president of the Recreation Council of Mercer Island. Brother Shackelford is married and has three children.



Franklin Coffman Awarded Tau Beta Pi Fellowship

Franklin D. Coffman, Jr., Gamma '61, has been appointed Tau Beta Pi Fellow No. 147. He will do his graduate work in mineral technology at Carnegie Institute of Technology, with his ultimate goal being to work in the field of applied research.

Brother Coffman, whose home is in Pittsburg, California, graduated in metallurgical engineering from the Colorado School of Mines in 1961. In addition to playing varsity football, he was a member of Tau Beta Pi, Alpha Sigma Mu, Beta Theta Pi, Scab-

bard and Blade, student branch of A.I.M.E. and of the A.S.M. He also was a member of the Society of American Military Engineers, and won their special award for excellence in R.O.T.C. He was designated a Distinguished Military Student by the R.O.T.C.

Recently Brother Coffman was commissioned a second lieutenant in the Army Reserve after completing training at the R.O.T.C. summer camp at Fort Belvoir, Virginia.

Don Curtis Retires from Clemson Faculty

Prof. Donald D. Curtis, Omicron Honorary '19, whose period of service as a national officer of Theta Tau spanned twenty-eight years beginning as Editor in 1926, through 21 years as Grand Marshal, and highlighted by his tenure as Grand Regent 1950-52, retired from the faculty at Clemson Agricultural College at the June, 1961, Commencement. At that time he was presented a citation and a certificate bestowing on him two titles: Head Emeritus of the Department of Engineering Mechanics, and Professor Emeritus of Engineering Mechanics. He had been on the Clemson faculty thirty-two years. He is also a member of Tau Beta Pi, Sigma Xi, and Phi Kappa Phi. He and his wife will continue to live in Clemson, South Carolina, where he looks forward to pursuing his many non-

professional interests: genealogy, writing, photography, hunting, reading, and music.



John C. Held Heads Florida Office for General Radio



John C. Held, Gamma Beta '52, has been promoted to district manager of the new Florida sales engineering office of the General Radio Company, West Concord, Massachusetts. The new facility is in Orlando.

Brother Held was formerly assigned to General Radio's Silver Spring, Maryland District Office. He is a graduate of The George Washington University's School of Electrical Engineering. During his last year at the University and for three years after graduation, he was an electronics engineer at the U. S. Naval Research Laboratory, Washington, D. C., where he helped develop and evaluate experimental sonar equipment. For the last three years, Brother Held has been General Radio's representative in the Central Florida area, where he was responsible for the sale and engineering application of General Radio products in the area.

General Radio manufactures precision measuring instruments. The equipment is used extensively by missile contractors and range operations groups at the Atlantic Missile Range (Cape Canaveral) and by electronics development and manufacturing firms.

Brother Held, his wife Pat, and their twin daughters are living at 1776 Chippewa Trail in nearby Maitland, Florida.

Donald Ashe Vice President of Allen-Sherman-Hoff

Donald G. Ashe, Gamma '50, was elected vice president of the Allen-Sherman-Hoff Pump Company, Paoli, Pennsylvania, at the May meeting of the board of directors.

Brother Ashe was born in Chuquicamata, Chile. He received his high school education in Buenos Aires, Argentina, and in Bisbee, Arizona. In 1950 he received the degree of metallurgical engineer from Colorado School of Mines, where he also was a member of Sigma Alpha Epsilon.

He spent four years as concentrator metallurgist with the Cananea Consolidated Copper Company, S.A., at Cananea,



Sonora, Mexico. In 1954 he joined the A-S-H Pump Company, which manufactures pumps for moving abrasive and corrosive materials in mines and processing plants, as a sales engineer. Brother Ashe has been head of sales engineering since 1958.

Brother Ashe is a member of the Amer-

ican Institute of Mining, Metallurgical, and Petroleum Engineers, and has served as chairman of the "Materials Handling" technical committee for the minerals beneficiation division. He lives with his wife and five children at 236 Chapel Lane, King of Prussia, Pennsylvania.

O. O. Price Now a General, Has Multi-billion Job

Colonel Oran O. Price, Beta '35, United States Air Forces in Europe deputy chief of staff for civil engineering, has been promoted to the rank of brigadier general. A native of Port Huron, Michigan, he has headed the civil engineering function since last August. The deputate administers construction and maintenance of the multi-billion dollar complex of U. S. air bases and installations in Europe, North Africa, and the Middle East.

Brother Price holds a B. S. degree in mechanical engineering from Michigan College of Mining and Technology. He was commissioned as a second lieutenant in the Corps of Engineers, Reserve, in 1936, and entered active military duty in September, 1940, as a first lieutenant. His first assignment was company commander in the 21st Engineer Aviation Regiment at Langley Field, Virginia, the first such regiment in military engineering history.

During World War II, Brother Price served in Iceland, England, and France. He was commissioned in the Regular Army in June, 1947, and transferred to the Regular Air Force in July, 1947.

In October, 1949, he assumed the duties of deputy director of installations, Far East Air Forces, in Tokyo, Japan. He was reassigned to Air Force Headquarters in December, 1951, where he served as chief, Real Estate Division, and later as executive to the assistant chief of staff, Installations.



He became deputy assistant chief of staff, Installations, Air Defense Command, Colorado Springs, Colorado, in September, 1956. Brother Price joined U.S.A.F.E. following a 15-month assignment as deputy chief of staff, Civil Engineering, Air Training Command, Randolph Air Force Base, Texas.

Among the decorations Brother Price holds are the Legion of Merit, the Bronze Star, and the Air Force and Army Commendation Medals. He lives with his wife and three children in Wiesbaden, Germany.

George Rhine Vice President of Aetna Casualty

George E. Rhine, Gamma Beta '38, has been appointed vice president in charge of a newly created field administration department of Aetna Casualty and Surety Company and Standard Fire Insurance Company of Hartford, Connecticut. He was previously secretary of the executive department.

Brother Rhine joined the Aetna Company in 1938 in Washington, D. C. He was appointed manager at Reading, Pennsylvania, in 1952. Four years later he came to the home office, and was advanced to secretary the same year.

Brother Rhine counts among his accomplishments the fact that he nominated the late Past Grand Regent, Norman B. "Deacon" Ames, as Grand Outer Guard at the Biennial Convention held in Chicago in 1937. Brother Rhine was Regent of Gamma Beta Chapter at the time.



Minton and Chope Tau Beta Pi Council Nominees

Two members of Theta Tau have been nominated for the 1962-66 Executive Council of Tau Beta Pi by the chapter at Ohio State University. They are David C. Minton, Jr., Chi '30, and Henry R. Chope, Sigma Honorary '48.

Brother Minton was born in Oklahoma City, Oklahoma, and received a B. S. degree in mining engineering in 1930 and an M. S. in metallurgy in 1931 from the University of Arizona. He was in the mining business in Arizona and Mexico for several years, then was a development engineer for the Titanium Alloy Manufacturing Company of Niagara Falls, New York. In 1937-38 he taught metallurgy at the University of Arizona, and in 1938-40, at the University of the Philippines.

In 1941 Brother Minton became a research engineer for the Battelle Memorial

Institute in Columbus, Ohio. During World War II he worked for the Office of Scientific Research and Development in Washington, D. C., where he was awarded the Armed Forces Certificate of Appreciation. In 1945 he returned to the Battelle Institute, and in 1955 he became its vice president, the position he now holds.

Brother Minton is a registered professional engineer, and is a member of the A.I.M.E., the American Society for Metals, Alpha Tau Omega, and numerous other organizations. The University of Arizona conferred an honorary degree on him in 1948 and its Medal of Merit in 1960.

Brother Chope was born in Louisville, Kentucky. Before World War II he attended the University of Louisville, studying music and mathematics. During the war he enlisted in the Army Air Corps and

Plan now to attend the Twenty-Fourth Biennial Convention of Theta Tau Fraternity in Louisville, Kentucky, December 27 to 30, 1962.

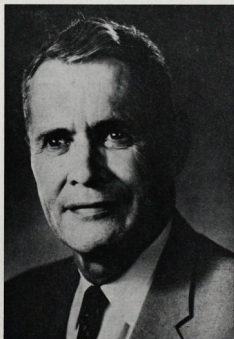
studied meteorology and radar at CalTech, Harvard, and M.I.T. In 1946 he enrolled in electrical engineering at Ohio State University, and received his degree in 1948. He received an M. S. degree the same year from CalTech for work done during the war. In 1950 he received a master's degree from Harvard University for work in electronics and engineering science. Brother Choep was in charge of obtaining upper air radiological data for the original Bikini atom bomb tests.

In 1950 Brother Choep was a co-founder

of Industrial Nucleonics Corporation in Columbus, Ohio. He has served the firm as an executive vice president and director. The company was the first to specialize in the industrial application of atomic energy. Brother Choep is also vice president and director of AccuRay of Canada, Ltd., and of AccuRay Ltd. of London, England.

He is a registered professional engineer and a member of the I.R.E., A.I.E.E., Instrument Society of America, N.S.P.E., A.I.E.E., A.A.A.S., and Eta Kappa Nu. He has served on many technical committees and has published many technical writings.

Paul Wilson Manages Sales Training for Worthington



The new manager of sales training, Marketing Services Group of Worthington Corporation is Paul E. Wilson, Lambda '27. Brother Wilson, who has been manager of sales training for the company's Marketing Division since September, 1960, is now concerned with sales training at all 15 Worthington manufacturing divisions in addition to continuing responsibility for field sales training programs for the Marketing Division.

Brother Wilson joined Worthington in 1927 after receiving his degree in mechanical engineering from the University of Utah. He served in Salt Lake City, Utah and Denver, Colorado as a sales engineer and as resident sales engineer, and as district sales manager in Salt Lake City prior to his transfer to the company's headquarters in Harrison, New Jersey in 1960.

Brother Wilson is a member of the American Society of Training Directors and the Harrison, New Jersey Rotary Club.

Ramond Hanes Installed as Vice President of NSPE

At the N.S.P.E. Convention in Seattle, Washington last July, C. Ramond Hanes, Sigma '24, was installed as a vice president of that group. He is one of six N.S.P.E. vice presidents. Brother Hanes represents the Central Region of Ohio, West Virginia, Kentucky, Indiana, Illinois, Wisconsin, and Michigan. He heads the group of Professional Relations Committees of N.S.P.E.

This was a professional, Theta Tau, and pleasure trip for Brother Hanes and his wife. When N.S.P.E. activities permitted he visited with Theta Tau alumni in the area, especially with Brother Elwin L.

Vinal, Founder Number 2, and Jay Thorpe, Grand Outer Guard. Then he and his wife spent 18 days in Alaska, where he also explored the extension possibilities at the University of Alaska. He reports an enjoyable visit to Alaska and feels that engineers will play an important role in Alaska's development as a state.

On October 19-21, 1961, he, Grand Regent Britzius, and Brother Frank Edwards were together at the directors meeting of N.S.P.E. in Roanoke, Virginia. Brother Hanes is also introduced as a new Regional Director of Theta Tau in this issue.

Clarence Wendel in Department of State Post

Clarence A. Wendel, Psi '34, has been named regional minerals attaché for the Department of State. He will be posted in Ankara, Turkey and will also be accredited to the following countries: Iran, Iraq, Cyprus, Jordan, Lebanon, Saudi Arabia, and Kuwait. This post is one of six regional posts under the Department of State's Foreign Service which have been established to supply the United States Bureau of Mines and other interested governmental agencies with specialized reporting on the minerals industries of the most important mining areas of the free world. Brother Wendel was formerly with the Materials

Advisory Board of the National Academy of Sciences—National Research Council.

In 1934 Brother Wendel received the B. S. degree in mining engineering and in 1935 an M. S. degree in geological engineering from Montana School of Mines. He was connected with the mining industry of the West from 1935 until 1943, when he transferred to Washington to work on the Premium Price Plan for copper, lead, and zinc. He joined the Department of State in 1947 and served in Washington until 1951, and then until 1954 in Germany as atomic energy consultant to the American High Commissioner for Germany.

Charles E. Crede Co-edits 3 Volume Handbook

Charles E. Crede, Nu '35, has co-edited *Shock and Vibration Handbook Library*, published in October by McGraw-Hill. This is the first work that covers comprehensively all major phases of the shock and vibration technology. There are 50 chapters, each pertaining to a particular facet of the technology and each written by one or more specialists. The more than 70 contributors were chosen from all branches of

industry, government, and the academic world.

Brother Crede was formerly vice president of Barry Controls Inc., and is now on the faculty of the California Institute of Technology. He is past vice president of ASME, and has received the ASME Machine Design Award for contributions to shock and vibration technology. He is the author of *Vibration and Shock Isolation*.

In Memoriam

- DONALD WOODSON AULD, *Zeta '30*, died in 1958.
- LT. COLONEL HOWARD F. BOWER, *Phi '32*, died March 23, 1961, of a coronary heart condition. He was born January 23, 1907, in Fort Wayne, Indiana, the son of Homer Bower and Anna Frame Bower. Brother Bower graduated from Purdue University with a B. S. degree in electrical engineering in 1932. He was active in Field Artillery Reserve prior to and after four years of active service in the Asiatic Pacific Theatre in World War II. Brother Bower was associated with General Electric and Koppers Corporation in Fort Wayne, Indiana, in experimental electrical engineering capacities. His last twenty-two years were spent with International Telephone-Telegraph Corporation, Federal Division, in Fort Wayne, and at the time of his death Brother Bower was supervisor of technical writers, I.T.T. Federal Division. His widow, a son, and a daughter survive.
- ALVAN E. BROCKWAY, *Alpha '09*, died in June, 1959.
- GURDON MONTAGUE BUTLER, Sc.D., *Chi '02*, died in Santa Ana, California, on February 21, 1961. Born March 26, 1881, in Lake Geneva, Wisconsin, he attended Colorado School of Mines from which he received the degree engineer of mines in 1902 and the degree doctor of science in 1922. In 1906 he married Alice Ellen Quick. They were the parents of two children: Gurdon M. Butler, Jr., *Chi '33*; and Enid Louise Butler. Brother Butler was engineer with the Big 40 Mining Company, Colorado, 1902-03; from 1903-13 he was on the faculty of Colorado School of Mines, serving finally as associate professor of geology and mineralogy. He served as associate professor of mining engineering and professor of geology, School of Mines, Oregon Agricultural College, 1913-15. In 1915 he became dean, College of Mines and Engineering, University of Arizona, holding this position until 1940, when his position became dean, College of Engineering. From 1918 to 1940, he was also director, Arizona Bureau of Mines, and State Geologist. Since 1951, he had been dean emeritus of Arizona's College of Engineering. Brother Butler served as consulting engineer for many mining companies, and was a member of numerous technical and professional societies. He was past president of the National Council, State Boards of Engineering Examiners, past Rotary district governor, and a member of the E.C.P.D. Committee of Engineering Schools in charge of accrediting programs in Region VI, 1935-40. Brother Butler was the author of several books and hundreds of articles. A 33rd degree Mason, he was past grand master, Grand Lodge, F. & A. M. of Arizona. Brother Butler was also a member of Phi Gamma Delta, Phi Delta Kappa, Tau Beta Pi, Sigma Xi, and Phi Kappa Phi. His home was at 1147 South Van Ness Avenue, Santa Ana, California.
- GUY C. CAMPBELL, *Lambda '30*, died January 16, 1959.
- JOHN W. COLLINS, JR., *Mu '49*, died recently.
- ANDREW JOHN DICKSON, *Gamma '60*, was killed in an automobile crash on June 14, 1960. He had been student body president at Colorado School of Mines during the 1959-1960 school year, and was also a member of Blue Key honor society and of the "M" Club at Colorado Mines.
- DU BOIS EASTMAN, *Epsilon '28*, died in Whittier, California, August 12, 1960. Brother Eastman was born in Berkeley, California, on June 27, 1906, and received his B. S. degree from the University of California there in 1928. That year he began his career with the Texas Company as a chemical engineer. Promotions followed: in 1936 to director of cracking research; in 1942 to assistant to the director of research; in 1944 to assistant director of research; and later to director of research in charge of the Montebello, California, research laboratory of Texaco, Inc., the position he held at the time of his death. In 1929, he married Beatrice Crosby. They were the parents of three. Brother Eastman was a member of the American Institute of Chemical Engineers, the American Chemical Society, and the American Association for the Advancement of Science.
- SAMUEL G. FAIRCHILD, *Zeta '14*, died October 8, 1959.
- MILLARD M. GARRISON, *Alpha '30*, died March 25, 1954.
- HAROLD V. GILMORE, *Epsilon '30*, died suddenly on June 24, 1960. He graduated from the College of Mining at the University of California in Berkeley in 1930. His secondary interest in chemistry became his primary interest as the years passed and he became a specialist in fats and oils. At the time of his death Brother Gilmore was West Coast manager of HumKo Products (Chemical Division of the National Dairy Products). He is survived by his wife, Susan Potbury Gilmore, and his son, John Stevens Gilmore.
- RUDOLPH M. HANSON, *Alpha '31*, died January 13, 1959.
- CLARENCE P. HOUK, *Zeta '23*, died June 14, 1961.
- He was the owner of Carl's Clothiers in Lawrence, Kansas, and had been in the clothing business in Lawrence since 1923. At K. U. he lettered in basketball. In 1957, the Jaycees honored Brother Houk with its first "Boss of the Year" award. His widow, a daughter, two sisters and a brother survive.

THE GEAR OF THETA TAU

- FRED K. HOUSTON, *Beta '06*, died April 16, 1960.
- CHRISTIAN JENSEN, *Epsilon '29*, died May 13, 1961, in Houston, Texas. Brother Jensen had been with Shell Oil Company for 23 years. He retired in February as a senior geologist. He was a member of the American Association of Petroleum Geologists and the Houston Geological Society. Surviving him are his wife, Mrs. Elizabeth Jensen, a daughter, Mrs. Alice Jensen Shirley of Houston; a son, William David Jensen of Houston; a sister; and two grandchildren.
- LARRY JOE KING, *Lambda '56*, died July 15, 1959.
- LAWRENCE WILSON KINNEER, *Zeta '14*, died in March, 1960.
- GEORGE A. KRISTY, *Alpha '09*, died in March, 1958.
- HAROLD A. LOCKHART, *Alpha '29*, died November 25, 1959.
- WALTER D. LUPLOW, *Alpha '17*, died in August, 1959.
- RICHARD E. MEADE, JR., *Mu '24*, died May 23, 1958.
- LEE L. MITCHELL, JR., *Mu '41*, died recently.
- DR. ROY ROBERT MORSE, *Epsilon '13*, died in April, 1961, of a sudden heart attack while he drove his car to his office in Houston, Texas. He was 70 years old and had retired in 1950 from Shell Oil Company. Brother Morse had been Shell's manager of exploration for the Texas-Louisiana area. Since 1950 he had been a consulting geologist. Until 1924 Brother Morse was associate professor of geology at the University of California, Berkeley, California. He leaves his widow and one son. A second son was killed in World War II.
- GEORGE ROBERT MURPHEY, *Zeta '33*, died in 1958.
- LAWRENCE J. OBERG, *Alpha '33*, died recently. He was with the U. S. Engineers Office in Washington, D. C.
- LT. JAY DEE OCHS, *Zeta '57*, died April 23, 1960, in a Brooklyn, New York, hospital after an automobile accident in New York City. He was born in Ellsworth, Kansas, on March 13, 1934, and lived in Wichita, Kansas, from 1941 until he entered military service in 1958. He graduated from the University of Kansas in 1957 with the degree B. S. in mechanical engineering. Brother Ochs was a member of Sigma Tau and Pi Tau Sigma honor societies. He established an outstanding record in the Army R.O.T.C., holding its highest post, cadet regimental commander. Following his graduation, he was employed as a mechanical engineer with Boeing Airplane Company in Wichita before entering active military duty. At the time of his death, he held the rank of first lieutenant, U. S. Army, and was assigned as an Army representative to the Western Electric Corporation, Morristown, New Jersey. Brother Ochs is survived by his mother, Mrs. Ted Ochs, three sisters, and four brothers.
- RONALD OWEN, *Omicron '22* (Charter), died recently.
- CARROLL FAWCETT PHELPS, *Omicron '33*, died April 5, 1958, in Phoenix, Arizona at the age of 46. He had been in ill health since suffering a heart attack in July, 1955. Brother Phelps was born in West Branch, Iowa. He graduated from the University of Iowa in 1933 with a B. S. degree in commercial engineering. Following graduation he became a partner at Young and Phelps, Chicago industrial photography firm. He was business manager and sales representative of the company. In 1937 Brother Phelps joined the John Deere Tractor Company in Waterloo, Iowa, as a cost accountant. In 1938 he became budget director of the firm and 1943 resigned to go to Phoenix for treatment of tuberculosis. From 1943 to 1945, he was a patient in St. Luke's Hospital. He became administrator of the hospital in 1945, starting part time, and held the position until November, 1955. He did a great deal of work in enlarging the institution. Survivors include his wife, Gladys; two sons, Bobby and Dwight, of Scottsdale, Arizona; and a daughter, Carla, a student at the University of Pennsylvania.
- GUY J. SANDERS, *Mu '49*, died recently.
- WILLIAM B. SANDERS, *Phi '19*, died in December, 1960. He was born in Wellington, Illinois, on December 2, 1893. Brother Sanders earned the degree B. S. in mechanical engineering at Purdue University in 1919, and the degree master of science in 1922. He was a member of Tau Beta Pi, Sigma Delta Psi, Chi Epsilon, and the Reamer Club. In 1915 he married Emma C. Nehrig. They were the parents of two children: William Burton, Jr., and Elizabeth Louise. Brother Sanders was employed as engineer with the Lafayette Street Railways in 1919. For the 1919-1920 school year, he joined the faculty of Purdue University as instructor in physics. The next year he joined the applied mechanics faculty where he was to serve the remainder of his professional career. In 1925, he became assistant professor; in 1931, associate professor; and in 1944, professor of applied mechanics. He was a registered professional engineer and a member of A.S.E.E., A.S.M.E., N.S.P.E., I.S.P.E., and A.A.U.P. He belonged also to the Masonic, Elks, and I.O.O.F. lodges.
- HERMAN CARL SCHWABE, *Mu '35*, died recently.
- ROBERT E. THOMPSON, *Mu '22* (Charter), died April 19, 1952.
- JOSEPH PAUL TORREANO, *Beta '59*, was killed in an automobile accident on April 22, 1961, near Beaver Bay, Minnesota. Brother Torreano was born in Negaunee, Michigan, on May 16, 1937. The family moved to Crystal Falls, Michigan, where he attended the local schools. He graduated from the Crystal Falls High School in 1955, and

was president of his class. He attended Michigan College of Mining and Technology where he received his B. S. in metallurgical engineering in 1959. At the time of his death he was employed by the Reserve Mining Company as a test engineer at Silver Bay, Minnesota. Brother Torreano is survived by his parents, Mr. and Mrs. J. H. Torreano, and a brother, Martin J. Torreano.

- LESTER CHARLES UREN, *Epsilon '11*, died in Berkeley, California on August 21, 1960. He was emeritus professor of petroleum engineering, University of California. He was born on September 1, 1888, in Grass Valley, California. He was graduated with Honors in 1911 from the College of Mining, University of California, having specialized in mining engineering. After several months of employment in the mining field, Brother Uren returned to the University in 1912 to begin a long and distinguished career in teaching, research, writing, and professional service. Brother Uren is credited with the development of the country's first full curriculum in petroleum engineering in 1915, and with the authorship of the first basic textbook in petroleum engineering, published in 1924, giving him just claim to the title of "father of petroleum engineering education." He was advanced to full professor of petroleum engineering in 1925. In recognition of his outstanding contributions in the educational field, Brother Uren received the A.I.M.E. Educators Award in 1960. His other academic activities include: acting dean, College of Mining, and chairman, Division of Mineral Technology, University of California; director, Army Air Forces Pre-Meteorology Training Programs, and Coordinator, Navy V-12 Training Programs during World War II; and lecturer, Institut des Petroles, University of Toulouse, France. Brother Uren was responsible for some of the earliest research investigations in the field of petroleum production. He was director of research, American Petroleum Institute Project No. 28, and a member of research committees for several organizations, including the National Research Council. He was granted two patents on oil-recovery methods which resulted from his varied research and professional activities. Brother Uren's contributions to the petroleum literature were three textbooks and more than 160 technical pa-

pers. He served as consultant and expert in litigation for most of the major oil companies and many smaller oil companies, service companies, consulting firms, and banking institutions. Brother Uren was a member of the American Association of Petroleum Geologists, American Petroleum Institute, American Institute of Mining, Metallurgical, and Petroleum Engineers, Sigma Xi, and Tau Beta Pi. He is survived by his wife Ethel, son Don, and two grandchildren.

- RICHARD B. WARD, *Zeta '13*, a charter member of his Chapter, died in April, 1960. He was born in Belleville, Kansas, on December 28, 1888. He was graduated from the University of Kansas with the degree B.S. in civil engineering in 1913. He was also a member of Sigma Chi. In 1922, Brother Ward married E. Louise Larsh. They were the parents of two daughters, Eleanor Margaret and Nancy Louise. Following graduation, he was employed briefly by the city of Pittsburg, Kansas. From 1913 to 1916, he was employed as junior engineer with the Alaskan Engineering Commission, Nenana, Alaska. Brother Ward served with the U. S. Army in World War I. From 1919 to 1925, he was assistant engineer with the U. S. Bureau of Reclamation in the states of Colorado, Wyoming, and Nevada. He served as assistant engineer with the Sanitation Districts of Los Angeles, 1925-1931. From 1931-1938 he served as engineer on the 242-mile Colorado River Aqueduct, and as resident engineer for the construction of two dams for the Metropolitan Water District, Southern California. He served as engineer with the U. S. Bureau of Reclamation in Colorado and in California from 1938 to 1949 for the construction of dams and power plants. In 1949 Brother Ward became project engineer with the International Boundary and Water Commission, Laredo, Texas, and served as engineer on the Falcon Dam and Power Plant, the tenth dam of his career. He was a member of A.S.C.E.
- ALIAH H. WARREN, JR., *Alpha '09*, died December 17, 1956.
- ROYAL HARRISON WIER, *Omicron '40*, died in July, 1953.
- HARRY C. WOLFE, *Tau '33*, died February 2, 1960.

We salute these Chapters which are celebrating important anniversary dates this year:

Mu Chapter	40th	January 3, 1962
Omega Chapter	30th	March 26, 1962
Zeta Chapter	50th (Golden)	April 17, 1962
Psi Chapter	30th	May 7, 1962

Plan to attend your Chapter's anniversary celebration, alumni!

Alumni Notes

ALPHA CHAPTER

DR. THOMAS F. IRVINE, Honorary, left the Mechanical Engineering Department at North Carolina State College to become dean of engineering at the newly organized State University of New York on Long Island. He is a nationally recognized authority in the field of heat transfer.

BETA CHAPTER

DR. WILLIAM LONGACRE, '29, was honored by the Athletic Department at the Michigan Tech Huskies awards banquet last spring. He is head of the Physics Department and was the first chairman of the Athletic Board in 1947.

COL. J. U. ALLEN, (U.S.A. Retired), '35, is now serving as president of the Ross Company. His address is 315 North Broad Street, New Orleans 19, Louisiana.

WILLIAM SWANK, '39, is chief metallurgist of Kelsey Hayes Wheel Company in Detroit. His address is 4900 Thorn Apple Lane, Northville, Michigan.

CAPT. FRANCIS R. SANBORN, '42, is in the U. S. Navy and is commanding officer in New Iberia. Brother Sanborn may be reached at N.A.A.S., New Iberia, Louisiana.

GEORGE MCKERECHAN, '47, is engaged in the construction of an open pit iron mine in Liberia. His address is Mines Management Associates Ltd., P. O. Box 548, Monrovia, Liberia, Africa.

R. J. ALKEMA, '48, has been with the Ingersoll-Rand branch in Brazil for ten years—first as salesman, now as manager. He, his wife, and three children are living in São Paulo, and can be reached through the Ingersoll-Rand branch there.

ROBERT C. SEUNKA, '50, lives at 14308 Cardwell, Livonia, Michigan. He is a product engineer with the Hoskins Manufacturing Company in Detroit.

ROBERT W. STORM, '50, is in the engineering office of the construction section of the Wisconsin Highway Commission. His address is 5502 Schluter Road, Madison 4, Wisconsin.

EUGENE W. KNAEBEL, '51, is employed as an engineer with District III of the California Division of Highways. His address is 766 Barrett Road, Yuba City, California.

CHARLES D. MCKERECHAN, '51, is engaged in nuclear research for the Lockheed Aircraft Company in Palo Alto, California.

JOHN W. BURLINGAME, '54, is a graduate student at the University of Pennsylvania. He is active in A.S.M. and A.I.M.E. Brother Burlingame's address is 2900 Devereaux Street, Philadelphia 49, Pennsylvania.

ROBERT MCCHESENEY, '55, is a mining engineer at Carol Lake, Labrador. His address is Carol Project, P. O. 15000, Sept-Îles, P.Q., Canada.

RAY MERRIFIELD, '57, is a testing engineer with the Consolidated Mining and Smelting Company in Yellow Knife, N.W.T., Canada.

RAY STEFANI, '58, is employed as an electrical engineer with the Rural Cooperative Power Association in Osseo, Minnesota.

LT. VERNELLE T. SMITH, '59, was recently promoted to first lieutenant in Korea where he is a member of the 802d Engineer Battalion. Brother Smith is the engineer in charge of building a jet airstrip for the R.O.K. Air Force in Korea.

JAY J. WILLIAMS, '59, is a work study analyst for the M. A. Hanna Company in Iron River, Michigan. His address is Box 144 in Iron River.

LT. JAMES F. THOMPSON, '60, completed an eight-week officer orientation course at the Transportation School, Fort Eustis, Virginia, on August 2. He qualified for the expert marksmanship badge while attending the school. He was employed by the Michigan State Highway Department before entering the Army.

LT. SCOTT S. COLLINS, JR., '61, has been commissioned a second lieutenant in the Army Reserve after completing training at the ROTC summer camp at Fort Leonard Wood, Missouri.

ROGER R. URICH, '61, is working in the purchasing department of Delco Products. He is also a member of the Dayton Junior Chamber of Commerce. Brother Urich's address is 2004 Malvern Avenue, Dayton 6, Ohio.

GAMMA CHAPTER

MAXWELL L. MCCORMACK, '26, has been promoted to vice president of the Ingersoll-Rand Co. He has handled mining relations for Ingersoll-Rand for the past several years. Brother McCormack is a former president of the Mining Club of New York City and was on the mining and construction advisory committees of the War Production Board during World War II.

LT. WILLIAM J. WESTHOFF, '55, has been awarded the Army Commendation Medal for outstanding

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performance of duty during his recent assignment with the U. S. Army Southern European Task Force in Italy. He is now serving with Headquarters Fifth U. S. Army, Student Detachment, Chicago, Illinois.

LT. RICHARD B. EGEN, '60, has completed the officer orientation course at the Engineer School, Fort Belvoir, Virginia. Before entering the Army, Brother Egen was a petroleum engineer with the Atlantic Refining Company in Dallas, Texas.

LT. GEORGE S. CLAUSEN, '61, has completed his training at the ROTC summer camp at Fort Leonard Wood, Missouri, and has been commissioned a second lieutenant in the Army Reserve.

LT. FRANK M. PATETE, '61, is also a newly commissioned second lieutenant in the Army Reserve after completing training at Fort Leonard Wood, Missouri.

LT. VINCENT P. TESONE, '61, recently was commissioned a second lieutenant in the Regular Army at Fort Belvoir, Virginia. He received the commission for being named a distinguished military graduate under the ROTC program at Colorado School of Mines.

DELTA CHAPTER

ROBERT L. ZAHOUR, '23, is manager of lamp applications, Commercial Engineering Department, for Westinghouse Electric Corporation. His address is 406 Watchung Avenue, Bloomfield, New Jersey.

EPSILON CHAPTER

CLEMENTS E. PAUSA, '53, was recently promoted to NPN Planar Transistor production manager for Fairchild Semiconductor Company. His address is 469 La Prenda Road, Los Altos, California.

ZETA CHAPTER

ALBERT H. MANGELSDORF, '12, is president of Edward E. Mangelsdorf & Bros. Inc., Seed Merchants. His address is Box 327, St. Louis 66, Missouri.

CHARLES M. COATS, '13, is self-employed at 3610 S. Boston Street, Fort Smith, Arkansas.

DEANE E. ACKERS, '16, chairman of the board of the Kansas Power and Light Company, lists his address as 3620 West 11th, Topeka, Kansas.

WALDO BOWMAN, '23, editor-in-chief of McGraw-Hill's *Engineering News-Record*, was the first member of the technical press to be honored by New York engineering societies as Metropolitan Civil Engineer of the Year. With Mrs. Bowman,

he sailed for Europe at the end of May to attend international engineering sessions.

ELVIN K. LUFF, '23, is vice president of the Independence Stove and Manufacturing Company. His residence is 1503 West Short Street, Independence, Missouri.

IRVING L. COFFMAN, '32, is international consultant for the Phillips Petroleum Company. His home is at 34 Cowperthwaite Place, Westfield, New Jersey.

T. PAUL DWYER, '34, is a partner in Dwyer and Kite Consulting. He is also treasurer of Zeta's House Corporation Board. Brother Dwyer's address is 5531 Roe Avenue, Mission, Kansas.

GLENN E. HANDS, '34, is the principal engineer for the Burns and McDonald Engineering Company. His home address is 5625 Barkley Road, Mission, Kansas.

DR. J. O. MALONEY, '36, Zeta's Chapter Adviser, is professor of chemical engineering at the University of Kansas. His address is 124 Lindley, Lawrence, Kansas.

DR. JOHN S. MCNOWN, Honorary '36, Dean of the School of Engineering and Architecture at K.U., was a section chairman at a Symposium on Basic Research on water resources and reclamation. The meeting was held at Colorado State University at Fort Collins in June. Brother McNown was one of 65 research authorities from all over the nation called to the meeting.

FRED C. SMITHMEYER, '38, is an instructor in mining and metallurgical engineering at the University of Kansas. His address is 2130 Owens Lane, Lawrence, Kansas.

VERNON K. JOHNSON, '53, married Miss Viola Merz on March 25 at Kansas City. He is a sales engineer for the industrial division of American Standard.

GENE ROGERS, '54, married Miss Patricia Downs on April 15 in Washington, D. C. An English citizen, Patricia is with the British Embassy in Washington. Brother Rogers is with the Navy and the Atomic Energy Commission.

MARSHALL BROWN, '56, is the father of a son, John Mark, born June 23, 1961. His address is 2028 Robbins, Augusta, Kansas.

LEROY W. FELZIEN, '56, was transferred from Topeka to El Dorado, Kansas, where he is the plant foreman for Southwestern Bell.

JOHN M. DEALY, '58, expects to receive his Ph.D. in chemical engineering at the University of Michigan this year.

THE GEAR OF THETA TAU

RICHARD HINDERLITER, '58, and Mrs. Hinderliter are parents of a son, Daniel Scott, born February 22 at Chatham, New Jersey.

ROBERT H. McCAMISH, '58, is working on his master's degree at the University of Kansas. His address is 1810 West 25th Street, Lawrence, Kansas.

CHARLES R. GILLESPIE, '59, is completing his graduate work and projects at the University of Louisiana. His address is 150 Leaway Drive, Baton Rouge, Louisiana.

GEORGE C. DODD, '60, received his M.S. degree in electrical engineering from the University of Illinois in June. He and Mrs. Dodd were in Detroit during the summer where he worked at the General Motors Research Center. Brother Dodd is now working on his Ph.D. at the University of Illinois.

THETA CHAPTER

THEODORE H. BARRETT, '14, was presented a plaque honoring his 12 years of service as diving coach at the Athletic Department awards banquet at Michigan College of Mining. Brother Barrett is professor of civil engineering at Michigan Tech. He was instrumental in the founding of Theta Chapter, and is initiate number two of the Chapter.

IOTA CHAPTER

R. KENT COMANN, '43, has been promoted by the Fibreboard Paper Products Corporation to manufacturing manager, Gypsum Division, with headquarters in the main offices in San Francisco. This position carries over-all responsibility for all four gypsum plants of the company. Brother Comann formerly was plant manager of the Florence, Colorado gypsum plant. His new home address is 1391 Harwalt Drive, Los Altos, California.

M. C. ZWIRBLA, '48, has been transferred by Shell Oil Company from Kalamazoo, Michigan, to Indianapolis, Indiana, as superintendent of Shell's East Products Pipe Line. He has an 8-year-old daughter, Barbara Ann. Brother Zwirbla's address is P. O. Box 338, Zionsville, Indiana.

LAMBDA CHAPTER

DR. SIMON RAMO, '33, coordinated a symposium on "Peacetime Uses of Outer Space," which has been published by McGraw-Hill. It is based on a public lecture series presented at the University of California. Brother Ramo is executive vice president of Thompson Ramo Wooldridge, Inc.

FRED RASMUSSEN, '38, has been transferred to Portland, Oregon, by the Soil Conservation Service. He is now a watershed planning specialist in

the Engineering and Watershed Planning Unit of the SCS, with responsibilities for the watershed protection and flood prevention program in the nine Western states. Brother Rasmussen's address is 2442 N. E. 18th Avenue, Portland 12, Oregon.

MU CHAPTER

LT. JOSEPH R. PEGUES, '60, has completed the officer orientation course at the Engineer School, Fort Belvoir, Virginia. Before entering the Army, Brother Pegues was employed by the American Cast Iron Pipe Company in Birmingham, Alabama.

OMICRON CHAPTER

FREDRIC F. KUBIAS, '37, has been named district sales manager, Western District, for General Electric's Light Military Electronics Department. He is also a member of Navy League, American Ordnance Association, I.R.E., and Toastmasters International. His address is 2725 Creston Drive, Hollywood 28, California.

KENT MITTELBERG, '59, received his M.B.A. degree from the University of Pennsylvania in June, 1961. He is now working for the A. E. Staley Company in Decatur, Illinois. Brother Mittelberg's address is 3414 Christine Drive, Decatur, Illinois.

PI CHAPTER

WILLIAM H. KITE, JR., '44, has been appointed director of Manufacturer's Service—Europe, for Texaco, Inc. In this capacity he will be on loan to Trinoil (U.K.) Ltd. and will maintain an office in London. Brother Kite is a registered professional engineer in North Carolina. He is married to the former Mary Jane Burnett of Bedford, Virginia.

LT. JOHN T. GILL III, '61, has completed the eight-week field artillery officer orientation course at the Artillery and Missile School, Fort Sill, Oklahoma.

RHO CHAPTER

JOE W. REECE, '57, was selected the Outstanding Professor in the School of Engineering for the 1960-61 school year. He taught in the Engineering Mechanics Department at North Carolina State. Brother Reece is continuing his studies in Florida this year.

LT. JAMES C. LEONARD III, '61, has completed the officer orientation course at the Signal School, Fort Monmouth, New Jersey.

LT. JOSEPH R. WHITE, JR., '61, recently completed the engineer officer orientation course at the Engineer School, Fort Belvoir, Virginia.

UPSILON CHAPTER

LT. JACK C. HAMMETT, JR., '61, has been commissioned a second lieutenant in the Regular Army at Fort Hood, Texas, where he is serving with the 2d Armored Division. Brother Hammett received the commission for being named a distinguished military graduate under the ROTC program at the University of Arkansas.

PHI CHAPTER

LT. WILLIAM D. BUNNELL, '61, has completed the engineer officer orientation course at the Engineer School in Fort Belvoir, Virginia.

CHI CHAPTER

L. E. BELL, '49, is managing director of International General Electric Company of Spain, S.A.; director (board member) of General Electrica Española, S.A., Spain's leading heavy electrical equipment manufacturer; and board member of EDESA (Elevtrificacin Domestica Espaola, S. A.), one of Spain's leading manufacturers of electric household appliances. Brother Bell is also president of the American Chamber of Commerce in Spain, Madrid Delegation, and president of The American School of Madrid, Inc., a non-profit, community-sponsored educational institution. Before going to Spain, Brother Bell spent eight years in Venezuela.

D. A. REPPERT, '52, has been transferred by the Ralston Purina Company to their St. Louis Engineering Department as steam engineer. He spent the last seven years as superintendent of the Spokane branch plant. Brother Reppert's address is 525 Oakwood, Webster Groves 19, Missouri.

OMEGA CHAPTER

A. L. WILCOX, '43, is working in sales for the G. S. Blakeslee Company. His address is 1754 Ashstan, Walled Lake, Michigan.

JACK E. NELSON, '47, is plant superintendent for the Texas-Zinc Minerals Corporation in Mexican Hat, Utah. He previously spent six years working in the mining industry in Tennessee.

BERNIE BUELL, '56, has recently moved to 3113 Oak Avenue in Rapid City, South Dakota. He is employed by the Martin Company as an engineer on one of the Titan bases being constructed near Rapid City.

BARRY BRADSHAW, '59, is an engineer for Youngstown Sheet and Tube Company. His address is 5809 Calumet Avenue, Hammond, Indiana.

CHARLES BRAUN, '59, is a graduate student and teaching assistant in the chemistry department at

the University of Minnesota. His address is 2535 Buchanan, North East, Minneapolis 18, Minnesota.

SKIP CAPLER, '59, lives at 511 Oakland Avenue, St. Paul 2, Minnesota. He is a quality control engineer, Reliability Engineering Group Manufacturing Division of Remington Rand Univac.

RUDOLPH DZURNAR, '59, is an engineer on the County Civil Service Commission, Road Department, Los Angeles, California. His address is 2501 North Delta Street, San Gabriel, California.

HAROLD EHDMAN, '59, is on the technical staff for Hughes Aircraft Company. His address is 1235 Federal Way, Apt. No. 9, Los Angeles 25, California.

DAVID GROW, '59, lists his address as 25 Whitman Drive, New Providence, New Jersey. He is in the service.

THOMAS HANNAN, '59, is a production assistant for Kaiser Steel Corporation. His address is Merch Skelp Mill, Box 170, Kaiser Steel Corporation, Box 217, Fontana, California.

CAM KUEHL, '59, is a junior engineer for the South Dakota Highway Department in Rapid City. He lives at 1001 Dilger, Rapid City, South Dakota.

LT. JACK KEENE, '59, gives his address as: Third Engineer Branch, APO 29, U. S. Forces, Munich, Germany.

ROBERT LERDAL, '59, is project engineer for Pulp and Paper Section, Weyerhaeuser Timber, Longview, Washington. He lives at 2667 Ocean Beach Highway, Longview.

LOUIS RIEMENSCHNEIDER, '59, is a teaching assistant and graduate student in electrical engineering at the South Dakota School of Mines. His address is 2018 South Eighth Street, Rapid City, South Dakota.

RICHARD SCHEER, '59, lives at 501 North Main Street, Los Angeles 12, California. He is an engineer for the Los Angeles County Civil Service.

RICHARD SHELDON, '59, is manufacturing assistant and safety director for Purity Oats Division of Quaker Oats. His address is YMCA Room 311, Fifth and Blondeau, Keokuk, Iowa.

JOSEPH SPENCER, '59, is an engineer for Boeing Airplane Company. He lives at 10093 Des Moines Way, Seattle 88, Washington.

ED TEGLAND, '59, is a graduate student at the Missouri School of Mines, Rolla, Missouri. His permanent address is 2116 East Park Street, Pierre, South Dakota.

THE GEAR OF THETA TAU

ROSCOE WELLS, '59, is on General Electric's Technical Graduate Program. Write him at 600 Cascade Street, Richland, Washington.

REN WHITAKER, '59, works as an engineer for Shell Oil Company in Denver. His address is 831 Cherry Street, Apt. 4, Denver 20, Colorado.

SHERWIN ARTUS, '60, is a graduate student in mining engineering at the South Dakota School of Mines. His address is 316 Kansas City Street, Rapid City, South Dakota.

DENNIS BITZ, '60, lives at 1106A Guthrie Street, Richland, Washington.

DARRELL DEWEY, '60, is a lieutenant in the U. S. Army Finance Corps. His address is 420 Elm, Fortville, Indiana.

LEO HUGHES, '60, works as a district engineer in the U. S. Forest Service at Rogue River National Forest. He lives in Butte Falls, Oregon.

BOB PEDERSON, '60, is an engineer for the Black Hills Power and Light Company in Osage, Wyoming. His address is Box 157 in Osage.

DOUGLAS PRESZLER, '60, is an engineer in the Service and Erection Department for Allis-Chalmers Manufacturing Company. He may be addressed at Allis-Chalmers Manufacturing Company, Box 512, Milwaukee 1, Wisconsin.

GARY RADFORD, '60, is working as a construction engineer for Reynolds Electrical and Engineering. His address is Box 2111, Freeport, Texas.

LT. LARRY A. BLAIR, '61, has completed the engineer officer orientation course at the Engineer School, Fort Belvoir, Virginia. Before entering the Army, he was employed by the Ingersoll-Rand Company in Minneapolis, Minnesota.

VERNON BUMP, '61, is working for the State of South Dakota in Pierre. His address is 608 West Capitol Street in Pierre.

DELTA BETA CHAPTER

ED GREEN, '52, lives in Whitehall, Michigan, where he is employed by duPont. His wife, Pat, was chaperone to Nancy Anne Fleming, Miss Michigan and now Miss America, in Atlantic City. Brother Green covered the story for the *Michigan Chronicle* and handled publicity for Miss Fleming.

CHARLES KASTENSMIDT, '55, is working for the Shell Chemical Company in Houston, Texas, after completing three years in the Air Force. He has a son, Steven, born on December 24, 1959.

BILL MCCAMMON, '60, is working for duPont in Kingston, North Carolina.

BILL LEYERS, '60, also works for duPont in Kingston, North Carolina.

ROBERT S. BADGETT, '61, is serving a commission in the U. S. Navy. His address is: U.S.S. *Mayfield*, APA-33, FPO San Francisco, California.

JOHN H. COSGROVE, '61, lives at 5816 Bonfire Drive, Louisville 7, Kentucky. He is doing graduate work at the Industrial Research Institute, University of Louisville.

RICHARD A. ELMER, '61, is working for the Shell Chemical Company in Houston, Texas. He expected to be commissioned into the U. S. Air Force in the fall of 1961.

GERALD FAIRFAX, '61, is working for Radio Corporation of America in Moorestown, New Jersey.

VERNON E. MEURER, '61, is serving a commission in the U. S. Navy. His address is 10345 "D" Atlantic Boulevard, South Gate, California. SF

JOHN A. NIEBAUER, '61, also is serving a commission in the U. S. Navy. Write him at: U.S.S. *Walworth County* (LST 1164), FPO New York, New York.

RICHARD L. O'BRYAN, '61, is serving a commission in the U. S. Navy. His address is: U.S.S. *Wallace L. Lind*, DD-703, FPO New York, New York.

JERRY C. SCHMITT, '61, is employed by Collins Radio, Cedar Rapids, Iowa. His address is P. O. Box 473, Hiawatha, Iowa.

STUART STAUSS, '61, lives at 1278 Willow Avenue, Louisville 4, Kentucky. He is doing graduate work at the Industrial Research Institute, University of Louisville.

RONALD E. STURGEON, '61, also is doing graduate work at the Industrial Research Center. His address is 4026 Norbourne Boulevard, Louisville 7, Kentucky.

EPSILON BETA CHAPTER

CHARLES E. WALES, '53, Grand Inner Guard, attended the 1961 summer session at Purdue University on a special Ford Foundation Fellowship. He attended a class in equilibrium stage separations, which covered the application of phase diagrams to vapor-liquid equilibria. Brother Wales also participated in a special seminar on college teaching which covered history and philosophy of engineering education and psychology of the teaching-learning process.

ETA BETA CHAPTER

PROF. WILLIAM J. LEACH, '51, has been made assistant dean of the Cullen College of Engineering at the University of Houston. Brother Leach is a charter member of Eta Beta Chapter and is Chapter Adviser.



Chapter News

ALPHA CHAPTER



Alpha Chapter took part in E-Week May 1-6 and won many trophies, including first place on float entry and first place for the chariot race. For the all-participation trophy the Chapter came in a close second to one of its arch competitors. Revenge is planned for next year.

On May 19 the annual spring formal was held at the Minnesota Valley Country Club. Many memorable moments were enjoyed by actives, pledges, and alumni.

A Founders' Day banquet was well attended by actives and alumni on October 13 at Mr. Joe's Restaurant in St. Paul.

JAMES MCCARVILLE,
Corresponding Secretary

BETA CHAPTER



Beta Chapter has elected a new slate of officers for the coming year. Jim Coté will be leading from the Regent's post. Dan Clark is the new Vice Regent. The records and minutes are being handled by Scribe Dave Byfield.

This past school year Beta Chapter was the winner of the I.F.A. Scholastic Award by compiling the highest fraternity grade point on campus.

Last spring the husky pledge class pulled the Sigma Rho pledges into the Pilgrim River in record time at the annual tug-of-war. Seven new members were initiated last May.

Beta finished off last year by placing second in the over-all intramural competition. For the third year in a row the Chapter has taken either first or second in intramural sports.

Last summer Beta Chapter held a reunion in conjunction with Tech's 75th anniversary celebration. The banquet had an attendance of one hundred and twenty-five, and many alumni dropped in at the house for informal socials.

The alumni files have been updated through two measures—first, by personal information compiled at the reunion, and second, by the return of alumni information cards which were mailed out with the fall newsletter.

This year the Chapter is engaged in the construction of a float to enter in the Homecoming competition. The Founders' Day banquet was held on October 15th at the Douglas Hotel. The main speaker was Dr. Yerg, a professor in the

physics department who has gained national fame through his activities and work in physical research.

Beta is starting the year off with two new faces, the first being a new paint job on the exterior of the house. Steward Dick Stevenson had the sides of the house covered with human flies as everyone chipped in to make the one day refinishing possible. The second new face belongs to Prince, the new mascot. He is a Saint Bernard, complete with rum barrel and blanket.

This year Beta Chapter is serving as president of the Tech Interfraternity Conference.

Beta has started a new pledge class and at present has six pledges. Recently the Chapter held an open house in cooperation with the other fraternities on the Tech campus.

In recent weeks there have been two dead black bears in the garage. The first one was bagged by Regent Coté and Tom Hanson. The second was downed by Doug Owen.

In school elections last year Dan Clark was elected senior representative to the Student Council and Ernie Lauria was elected first alternate. In the junior elections Henry Weber was chosen as president and will serve on the Council. Grant Sirola was elected treasurer of the class. Don Saari received the senior carry-over vote and will again be on the Council.

New members of Blue Key are Dan Clark and Henry Weber, with Russ Fenner serving as vice president of the Key.

Beta had its usual representation on the year-book staff, with Ernie Lauria as fraternity editor and Dan Clark as senior editor. Dave Rainsburger, Chapter intramural manager, has been selected for the Tech Athletic Board.

At present the members are planning for the Regional Conference to be held at Beta sometime after Christmas.

HENRY WEBER,
Corresponding Secretary

GAMMA CHAPTER



Gamma Chapter has been busy making the Colorado School of Mines campus aware of its presence through various activities and the top quality of its membership.

The Chapter currently boasts an extremely capable membership which represents the core of almost every organized body on campus. Among the offices held by Theta Tau members are president of Student Body, president of I.F.C., and president of the C.S.M. Letterman's Club.

The Chapter is well represented in Blue Key

THE GEAR OF THETA TAU

with eight men, and it also has men in Scabbard and Blade, military honorary, and Tau Beta Pi, scholarship honorary.

Colorado School of Mines is counting heavily on the Brothers of Theta Tau in looking forward to its coming year in sports. Theta Tau is well accounted for in football, baseball, track, and basketball.

Currently the Chapter is in the process of arranging for an alumni dinner to be held this fall. Also on the agenda is a function with the Delta Gamma sorority from Boulder. We are all looking forward to these events.

Homecoming is just around the corner and the Brothers are all looking forward to an enjoyable weekend. This year will not be an exception to the past fine years shared by the Theta Taus of Gamma Chapter.

DONALD A. YUNKER,
Corresponding Secretary

DELTA CHAPTER



Through the efforts of past Vice Regent Jim Harner, Delta Chapter greatly increased its prestige on the Case campus during the second semester of last year.

Dr. T. Keith Glennan, the president of Case, was the head administrator of the NASA during the Eisenhower administration. When he returned to Case last spring, he arranged for the newly completed NASA display to be exhibited at the school, and Brother Harner got permission for the men of Delta Chapter to act as hosts for the exhibit.

This display was built by the NASA to show the progress the United States has made in space technology. It consists of sixteen full scale models of our outstanding satellites, plus fourteen 6' x 20' illustrated display panels explaining the features of the satellites and NASA's program. The central feature of the display is an eight-foot rotating globe about which are mounted rings representing the orbits of 47 American and Russian satellites.

The men of Delta assembled the display during spring vacation and acted as guides during the exhibit. In a letter to Regent Eugene F. Desmond, Dr. Glennan said, in part, "Now I want to extend to you, and through you to each of the members of Theta Tau, my special thanks for the excellent service you men performed in acting as guides and hosts for the exhibit. The time that you devoted to this cause in behalf of Case and the youngsters you served are a real tribute to you as individuals and surely to your organization, Theta Tau. . . . Let me say in closing that Case salutes Theta Tau for a job very well done."

With this backing, Delta Chapter is looking forward to a very good year in 1961-62.

EUGENE F. DESMOND,
Regent

EPSILON CHAPTER

No Chapter Letter

ZETA CHAPTER



Since the last *Gear* letter, Zeta has elected the following officers: Larry Rusco, Regent; T. Micheal Garrison, Vice Regent; Wayne Pratt, Treasurer; Paul Zaman, Scribe; and Steve D. Kleppe, Corresponding Secretary. Zeta Chapter has at present seventeen actives and nine pledges.

On October 13, 1961, Zeta had its annual hay-rack ride. A casino party is planned for November 4, and the Christmas formal will be held on December 9.

The fiftieth anniversary of Zeta Chapter will be proudly celebrated on April 17 of next year. Zeta men are working now to make this anniversary a great one.

STEVE D. KLEPPE,
Corresponding Secretary

IOTA CHAPTER

No Chapter Letter

LAMBDA CHAPTER



The election of new officers for Lambda Chapter has signified the continuance of a growing spirit of progress in the Fraternity in Salt Lake City. The new officers—Ben Cox, Regent; Ed Cole, Vice Regent; Courtney Cambell, Treasurer; Jack McLeod, Scribe; and Jim Miller, Corresponding Secretary—have been active in providing leadership toward the ideals of Theta Tau.

Lambda Chapter is planning an extensive professional development program for the present year that will feature movies, speakers from engineering and non-engineering fields, and field trips to one or more of Utah's growing missile industries. Lambda Chapter will also continue its record of service to the engineering college with printed guides to the engineering week and service to the Oyster Stew, the annual engineers' banquet.

In the future Lambda hopes to buy a house and is beginning ground work on this now.

Lambda also knows how to play; the membership is planning as many functions as time permits. The wives of the married members also help in planning many enjoyable events.

Although Lambda Chapter is small in comparison with many of the fraternities and organizations on campus, it competed on a full scale basis in intramurals for the first time this year. An intramural manager was appointed and the Chapter backed him to make the sport year a busy and successful one.

Members of Lambda Chapter take an active part in other campus organizations; the engineering magazine, *Utechnic*; the Engineering Council; and the professional organizations, ASME, ASCE, and AIEE-IRE.

JIM MILLER,
Corresponding Secretary

MU CHAPTER



This is a year of rebuilding for Mu Chapter, which began this school year with only seventeen actives and no pledges. Of the seventeen actives, fifteen, including the five officers, were initiated only last semester. The present officers are: Travis Pruitt, Regent; David Basinger, Vice Regent; Dale Moore, Scribe; Richard Bawcom, Treasurer; and Ernest Longmire, Corresponding Secretary.

As a result of a vigorous rushing program, Mu now has forty-two pledges, including a large number of sophomores. A number of these pledges will be initiated at the Southern Regional Conference, which will be hosted by Mu Chapter during the spring semester. The Chapter is looking forward to the Regional Conference as an opportunity to meet a large number of Brothers from other Chapters.

ERNEST LONGMIRE,
Corresponding Secretary

XI CHAPTER

No Chapter Letter

OMICRON CHAPTER



After a busy summer vacation, all thirty-one members of Omicron Chapter have returned to the Iowa campus for another busy semester. The members were pleased that the new chapter room had been completed by the end of the summer and were looking forward to holding meetings in their new facilities.

The last semester pledges helped to make the new chapter room more convenient. As a pledge project they selected to furnish a room for chapter equipment. The pledges constructed storage cabinets in a room adjacent to the chapter room.

Initiation was held on May 28, 1961, with Grand Scribe Pope in attendance. After the initiation the following officers were installed: Charles Kime, Regent; Howard Gustafson, Vice Regent; Larry Stillions, Scribe; and Tom Breese, Treasurer.

Since the Chapter had so many members attending summer school, the decision was made to hold four summer meetings. One of the meetings was a weekend outing at Bill Ashton's cabin on the Mississippi River at Clinton, Iowa. Fifteen members were in attendance and fun was had by all.

Thus far this fall activities have been limited mainly to business and dinner meetings because many of the members have been devoting time to the S.U.I. homecoming monument. This monument, which is constructed annually by the engineering students, was designed this year by Bill Ashton. Brother Ashton is also supervising the construction. The idea for the monument, a replica of a radio telescope with the theme "Searching for Knowledge through Education," was submitted by Howard Gustafson, Vice Regent, who received a twenty-dollar prize for his efforts.

The next Chapter project will be fall rush. A

coffee hour was planned for October 24 to acquaint prospective members with Theta Tau. From these prospective members, Omicron Chapter hopes to form a pledge class that will be a credit to Theta Tau.

BILL HETZEL,
Corresponding Secretary

PI CHAPTER



Pi Chapter of Theta Tau at the University of Virginia is beginning the school year with much enthusiasm. The first large activity on the schedule was the traditional Founders' celebration held on Friday night, October 20th. A fine banquet was planned, with invitations going out to Theta Tau faculty members, Brothers, and new initiates. Twenty-three of the latter were to be initiated in ceremonies to precede the banquet.

In addition to these festivities, the Chapter has planned a series of monthly speeches featuring distinguished speakers from the professional world. Another concern in the not-too-distant future is the election of Engineering School representatives to the Student Council and Judicial Committee of the University. As usual the Chapter will participate in these elections, providing both outstanding candidates and capable workers for the polls.

CHARLES H. SPENCE, JR.
Corresponding Secretary

RHO CHAPTER



Rho Chapter has begun the new year with enthusiasm. The twenty-seven Brothers—six initiated just last spring—are looking forward to a year of progress and success. Already committees have been formed for projects and other activities.

Rho has a very capable group of officers directing the Fraternity's activities this year. They are: James A. Hackney, III, Regent; Burke Ellis, Vice Regent; Julius P. Brauer, Scribe; Van Noah, Treasurer; and Wendell McGee, Corresponding Secretary. Brother Richard H. Redwine is the Adviser.

Included in Rho's projects is an effort to obtain a house. The Chapter feels that a house will help create closer fraternal ties between Brothers and provide the convenience of a permanent chapter room. All fines collected are placed into the house fund. Also, all the Brothers who graduated last spring pledged a donation to the fund.

H. WENDELL MCGEE,
Corresponding Secretary

SIGMA CHAPTER

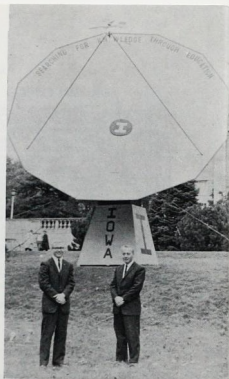


This year Sigma Chapter started out with a bustle of activity. First to enter the scene of activity was the Social Committee, which scheduled a square dance the second weekend of the quarter and planned a hayride the following weekend.

The Pledging and Rushing Committee, not to be outdone by the Social Committee, prepared its



Beta Regent Jim Coté rewards "Prince"

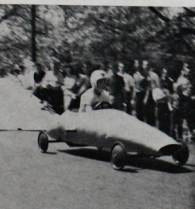


Standing under SUI's 1961
Corn Monument are designers
Bill Ashton and Howard Gustafson
of Omicron Chapter



Actives and pledges busily re-do the Beta chapter house

Trial run at the Coaster Classic
at Arkansas U.



Pledges spread some paint
in the Upsilon house

Plan now to attend the Twenty-Fourth Biennial Convention of Theta Tau Fraternity in Louisville, Kentucky, December 27 to 30, 1962.

plans and had the active Chapter address envelopes for prospective members. To observe the Homecoming football game and weekend, plans were being made to construct a Homecoming display. A buffet luncheon is planned for Theta Tau alumni who will be coming.

All officers returned to resume their jobs. The officers are: David Sealer, Regent; Donald Sigman, Vice Regent; Jerry Reed, Treasurer; Gary Wilhelm, Scribe; and Kenneth Fulk, Corresponding Secretary.

This year Sigma Chapter was planning to expand and remodel the present house; construction was to begin next May. Bad news developed when it was found that the earlier estimates for the cost were too low. To assure the alumni that the active Chapter does not want to delay the date of construction, the active Chapter voted unanimously to double the present house note. This will help bring in the additional money required.

Another goal of Sigma Chapter this year is to increase the membership. An extensive drive is being planned to accomplish this goal.

KENNETH J. FULK,
Corresponding Secretary

TAU CHAPTER



Tau Brothers are now moving into a new office on campus. They have secured a larger room for the Chapter. A great deal of house cleaning and sorting will be going on for several weeks until the Chapter is re-settled.

This fall Tau Chapter sponsored the Engineering School's annual picnic at scenic Highland Forest State Park. The hilltop picnic site presented a magnificent view of the autumn panorama of Central New York. A splendid Indian Summer day coupled with the pre-picnic publicity campaign brought out a record crowd of two hundred students and faculty members. Interdepartmental softball, volleyball, and football games were highlights of the afternoon's activities. Credit for arranging the picnic goes to Brother Robert Gardinier. Others helping were Brothers David Fuller, William Sargent, and Dan Miller.

The majority of the members' time now is being spent in preparation for the annual Engineer's Ball, which will be held at the Syracuse Sheridan Inn on November 18. A highlight will be the crowning of the Queen of the Engineer's Ball. Local radio and television stations have given spot publicity. Brother Tony Carpentier is chairman of the "Ball" Committee.

Future plans call for an early first semester upper-class rush of prospective pledges, with an initiation tentatively set for April 22, 1962.

DAN MILLER,
Corresponding Secretary

UPSILON CHAPTER



"Gung ho" is the best description of the activities at Upsilon Chapter.

For instance, last spring during the student holiday, Gae-bale, the Chapter was in complete charge of a coaster classic which is a yearly event of the

campus. Brother Jay N. Thorpe, newly elected Grand Outer Guard, visited the Chapter during this activity. Both members and pledges spent a great deal of time preparing for the classic. The pledges built the ramp, while a group of members checked each car for safety and design and later conducted trial runs. The coaster classic was a success.

A pledge program with some new ideas has been designed to unify the pledge class into a team and to inspire brotherhood. One example was the pledge project of painting and repairing the chapter house.

Busy, busy, busy is the by-word for members and pledges this fall semester. In each organization on campus—engineering, honorary leadership, or military groups—one can find a Theta Tau. Several men hold offices in the various student engineering societies.

At present the officers are: David Foust, Regent; G. W. Sorrells, Vice Regent; Joe Marlar, Scribe; and John Harton, Treasurer. Professor J. R. Bissett is Chapter Adviser.

Chapter strength is forty-four men—twenty-eight members, eight pledges to be initiated, and eight new pledges.

EARNEST FANT,
Corresponding Secretary

PHI CHAPTER



The season is off and rolling at Phi, and it looks like a good year. Grades are good, and the house made a most respectable showing last spring. Chapter activities included an enjoyable dance last April and several trade dinners, with more dinners and a winter dance scheduled. In the professional development program, the Chapter plans to include more programs on such topics as religion, philosophy, and history than in the past to partially make up the deficiency of general education courses often found in the technical curriculum.

Chapter membership now stands at 20, and the pledge class is 9 strong. Phi has an exceptionally fine group of pledges.

Officers this year are: Frank Weiss, Regent; John Smrz, Vice Regent; Lowell Deckard, Scribe; Dick Bergman, Treasurer; and Bill Leach, Corresponding Secretary.

BILL LEACH,
Corresponding Secretary

THE GEAR OF THETA TAU

CHI CHAPTER



This fall Chi Chapter has started an energetic comeback from a quiet summer. Fifteen men are being pledged after a successful picnic in the desert. At present there are only eleven actives; twelve actives graduated last June.

Last spring Chi Chapter sponsored the Engineers' Honors Breakfast, which replaced the Honors Assembly and was well received. The first open meeting this semester was attended by fifty people. Dr. Simley of the Psychology Department spoke on "Human Engineering."

On Sunday, December 17, a formal initiation will be held. Next year Chi is host for the Western Regional Conference.

This year's officers are: Everett Johnson, Jr., Regent; Duke Patterson, Vice Regent; Marshall Rice, Scribe; Steve Carrell, Treasurer; and John Kaur, Corresponding Secretary.

JOHN KAUR,
Corresponding Secretary

PSI CHAPTER



Psi Chapter held a pledge banquet at Lydia's Supper Club on September 28, attended by a large group of prospective pledges. Two excellent after-dinner speeches were given by faculty members, Brothers Stoltz and Harnish. Brother Stoltz stressed the fellowship and social aspects of Theta Tau while Brother Harnish remarked upon the professional advantages.

Currently many of the Brothers are actively participating in intercollegiate football. Eight of the starting 11 are Taus, with the reserves being well represented also. While on the subject of sports, Psi captured M.S.M.'s intramural trophy for the 1960-61 season.

Phi Chapter has a variety of plans, both professional and social, for the coming year. The social highlight will be the celebration of Psi Chapter's thirtieth anniversary to be held sometime in May.

BRADLEY BILYEU,
Corresponding Secretary

OMEGA CHAPTER



Omega Chapter started the school year off by initiating four new men into the Fraternity. This initiation brings the present membership up to 38. Last spring 18 of the Brothers graduated from school and 20 more are expected to graduate at the end of this year.

On the social side, the Chapter recently had a pizza party at the chapter house, where the actives had a chance to get acquainted with some of the new students at school. Everyone had a good time and is looking forward to the next such party.

Many activities, including an expansion of the present professional development program on

campus, have been planned for the school year. These activities will mean a very busy but enjoyable year for the members at Omega.

EDWARD MEAD,
Corresponding Secretary

GAMMA BETA CHAPTER



The present Gamma Beta Chapter officers include: Fred Hood, Regent; Tom Neilsen, Vice Regent; Harvey Flatt, Scribe; Lloyd Reiser, Treasurer; and Dick Singer, Corresponding Secretary. Bob Moore, Gamma Beta '59, continues to act as Chapter

Adviser.

The conclusion of the spring semester brought with it the Chapter picnic at Fort Hunt in nearby Virginia. The Fraternity plans for this year include the annual Shrimp Feast, Banquet and Ball, and organization of a pledge class to be initiated in the spring. In addition to this, extensive work has been done in reconstructing the Chapter Bylaws. The continued interest of Jack O'Neale, Gamma Beta '59, is aiding the Chapter in its endeavor to increase alumni participation.

Plans are also under way for the Chapter to help in developing Engineers' Day to be held on February 23-24. Plans include industrial displays by many area and national engineering firms, conducted tours for students from high schools in the Washington, Maryland, and Virginia area, and the Engineers' Ball to climax the two-days' events. This activity stems from the policy of the Brothers to participate in and support the Engineers' Council of the School, the Engineering School publication, *Mechelecio*, and the student branches of the professional societies, ASME, ASCE, and AIEE-IRE.

DICK SINGER,
Corresponding Secretary

DELTA BETA CHAPTER



Since the last publication of *The Gear*, Delta Beta Chapter has really begun to roll. Six pledges were initiated in the spring. With the loss of 13 seniors in the 1961 graduating class, the Chapter roll now stands at 26.

On May 16, 1961, the Chapter showed its ability to sing by joining in the annual Fryberger Sing held on the University of Louisville campus. The Brothers met at the house in the evenings of the weeks before to practice for this event.

On May 19, 1961, new officers were elected. They are: Steve Thrasher, Regent; Morgan Waugh, Vice Regent; Bernard Schunicht, Scribe; Thomas McDonald, Treasurer; and Larry Nold, Corresponding Secretary. The following night the Chapter held the annual spring formal, the Jacqueminot Ball. For both the election and the ball the honored guest was Robert E. Pope, Grand Scribe of Theta Tau.

This past spring the Interfraternity Council



A chapter meeting at Psi

Just after Psi initiation



Bob Pope, Dick Elmer and his date check the Delta Beta Jacqueminot Ball Guest Register



Delta Beta "Roaring Twenties" rush party brings out these "old time" beauties



Delta Beta Jacqueminot Ball of 1961

Delta Beta Brothers practice for the "Fryberger Sing"



LOUISVILLE GREEK WEEK PARTICIPANTS
 (Seated) Bud Hill, Delta Upsilon; George Dirghalli, Lambda Chi Alpha; David Gittleman, Sigma Alpha Mu. (Standing) Joe Dunker, Phi Kappa Tau; George Kollintzas, Tau Kappa Epsilon, Ed Larson, Triangle; Bill Loeffler, Pi Kappa Phi; Jack Baumeister, Louisville Fraternity Coordinator; and Bob Pope, Theta Tau.



Fred J. Donkin, Lambda, speaks at Zeta Beta anniversary dinner



Zeta Beta Regent Robert W. Pace conducting first anniversary banquet program



Robert W. Wright, Zeta Beta, Engineering Council Chairman (left) presents plaque to outgoing chairman

Epsilon Beta's giant gear wheel just completed



passed laws which permitted Delta Beta to rush during the summer. Rush was started with a picnic on August 5, 1961. Many rushees showed up and were entertained with games, food, and later, dancing in the pavilion.

The next rush function was a smoker held on August 16. The distinguished speaker, Prof. Morton Walker, gave an excellent talk on the role of the fraternity in college life. On August 26 Delta Beta had a "Roaring Twenties" party. Rushees brought their dates and were entertained with a Charleston contest, magic show, bathtub gin (imitation, of course), and other "Roaring Twenties" novelties.

All of the rush functions have been tremendously successful, and Delta Beta expects to gain many good actives in the following year.

Now the Chapter is busy working on its homecoming display, hoping to retain its title by winning the trophy for a second straight year.

TED WAFLART

EPSILON BETA CHAPTER



The Chapter officers this year are: Charles Biagi, Regent; Robert Cafmeyer, Vice Regent; Robert Brokenshire, Scribe; John Hakala, Treasurer; and Chris Betwee, Corresponding Secretary.

Last spring Epsilon Beta participated in the I.F.C. Ball display with a 12-foot diameter gear with the Greek letters "Delta Tau" in the middle.

The biggest event this past year was the entry in the Michigan State Fair. The Chapter was only able to pay for materials and overhead this year, but next year should show a profit for the Housing Fund.

The second biannual Open House for the parents of the actives was a great success. The purpose is to show the parents where and how the members spend their free time (the time the parents think should be spent around home). The parents were told about the Chapter's financial, social, and professional activities. Colored slides of various social events were shown, and coffee and cake were served. The parents went away with a good impression of the Fraternity, and the Chapter feels that relations were improved greatly.

CHRIS BETWEE,
Corresponding Secretary

ZETA BETA CHAPTER



At the beginning of its second year, Zeta Beta Chapter is looking forward to a much improved year over the past one. On May 6, five new men were initiated.

The Chapter's first year in intramural competition was very successful. Jim Hill, intramural manager, did an excellent job of

directing the athletic affairs.

Bill Lovejoy was the man behind the success of the Chapter's first anniversary celebration. The celebration was a dinner-dance at the Logan Golf and Country Club. The menu was top sirloin steak and the program consisted of extemporaneous speakers from the group. Zeta Beta was honored by the presence of the Grand Scribe, Robert E. Pope.

Spring quarter elections found Theta Tau men holding responsible positions of leadership throughout the engineering organizations for the 1961-62 year. The chairman of the Engineering Council is Robert W. Wright, with Craig Mortensen as vice chairman. David Bailey is chairman of I.R.E. with David Harris as vice chairman. Nolan Schofield will serve as treasurer for the M.E. Club. Robert Seegmiller is recording secretary for Sigma Tau.

The first pledge social will be held October 25. An outstanding pledge program has been outlined by the pledge trainer, David Rider, and Vice Regent, Robert Seegmiller.

ROBERT W. WRIGHT,
Corresponding Secretary

ETA BETA CHAPTER



Eta Beta's most significant projects began with the summer semester. In addition to various dinner parties and casual get-togethers, six new engineering students and a faculty member were rushed and pledged. Also a professional development program has been outlined for the fall and spring semesters. This

will include various speakers and films from the engineering field.

During registration week of the fall semester, the Chapter set up its usual orientation program and information booth, which are designed to furnish information and help in any way all engineering students to hasten the chore of properly registering.

As the pledge project, a handsome bulletin board was constructed which will be used for displaying notices and other sources of Chapter information.

The second rush period has been completed, with the addition of 11 new pledges. Their project will include a replica of the badge of Theta Tau.

Outstanding individual accomplishments recently include: Herbert A. Underwood, treasurer of Student Body; Thomas R. Turner, president of the University of Houston Society of Engineers; Jim A. Boyd, 1961 graduate, faculty member of the University of Houston; and Richard A. Brooks, president of the senior class.

The Chapter plans to become part of the scholastic competition now existing among the other fraternities on the campus. The members also hope to become involved in various other competitive campus activities.

On Sunday, October 15, 1961, the Chapter celebrated Founders' Day with an informal dinner-dance.

HERBERT A. UNDERWOOD,
Corresponding Secretary

Additions to Membership

ALPHA CHAPTER

- 711 Ralph Sheffield Tyler, St. Paul, Minnesota

BETA CHAPTER

- 884 Garth Gordon Westbrook, Falconbridge, Ontario
 885 Roger Bruce Anthony, Pontiac, Michigan
 886 Dennis Patrick Hill, Wakefield, Michigan
 887 Nelson Henry Baker, Jr., Buffalo, New York
 888 Robert George Trimberger, Iron River, Michigan
 889 Norman Frank Abbott, Sault Ste. Marie, Ontario
 890 Robert Maurice Ball, Houghton, Michigan

GAMMA CHAPTER

- 959 George L. Brinkworth, Burbank, California
 960 Gary E. Burtchael, Hillsborough, California
 961 Stephen D. Chesebro, Tulsa, Oklahoma
 962 Earl F. Jaynes, Denver, Colorado
 963 Ronald C. Lease, Grand Junction, Colorado
 964 Richard D. Meyers, Golden, Colorado
 965 Alexander W. Mooring III, Baltimore, Maryland
 966 Dennis R. Sheehan, Denver, Colorado
 967 Charles M. Strain, La Junta, Colorado

DELTA CHAPTER

- 1004 David Edward Falcon, Brookfield, Wisconsin
 1005 Norman Carl Fromm, Jr., Cleveland Heights, Ohio
 1006 James Andrew Hudak, Maple Heights, Ohio
 1007 William Martin Johnson, Columbus, Ohio
 1008 Robert Allyn Kern, Highland Heights, Ohio
 1009 Kenneth Ralph Leonhardt, Parma Heights, Ohio
 1010 John Richard Mazor, Toledo, Ohio
 1011 Richard Alan Reid, Cleveland, Ohio
 1012 James Charles Rist, Cleveland, Ohio
 1013 Edmund Frank Rybicki, Mantua, Ohio
 1014 Thomas Wade Seith, Perry, Ohio
 1015 Richard Frank Sulc, Chardon, Ohio

MU CHAPTER

- 756 Willard Franklin Gray, Tuscaloosa, Alabama
 757 William Hugh Lawler, Russellville, Alabama
 758 Jay Willard Gray, Tuscaloosa, Alabama
 759 Glenn Edward Jones, Gadsden, Alabama
 760 Alvin Dale Moore, Birmingham, Alabama
 761 Ernest Bryan Longmire, Jr., Mobile, Alabama
 762 Richard Duane Bawcom, Tuscaloosa, Alabama
 763 Travis Norman Pruitt, Andalusia, Alabama

- 764 Patrick Morgan Gray, Crossett, Arkansas
 765 Carl Phillip Hesselbach, Tuscaloosa, Alabama
 766 Dane O. Lowery, Jamison, Alabama
 767 Samuel Isaac Gilfarb, Havana, Cuba
 768 Erskine Grier Donald, Snow Hill, Alabama
 769 Brady Hugh Patrick, Jr., Tuscaloosa, Alabama
 770 David Roy Basinger, Aliceville, Alabama
 771 James Leon Montgomery, Mobile, Alabama

PI CHAPTER

- 604 Robert Emory Biddinger, Mount Airy, Maryland
 605 Andrew Jackson Bowen IV, Hagerstown, Maryland
 606 Randolph Wilson Bruns, Falls Church, Virginia
 607 William Keith Kincaid, Jr., Bedford, Massachusetts
 608 Eugene Edward Leasure, Jr., Colonial Heights, Virginia
 609 John Franklin Pattie, Jr., Triangle, Virginia
 610 Eric Gordon Peters, Chester, Virginia
 611 James Terrell Redd, Arlington, Virginia
 612 Samuel William Webster, Jr., Charlottesville, Virginia
 613 William Knowles Arnold, Jr., Charlottesville, Virginia
 614 Russell Albert Aubrey, Arlington, Virginia
 615 John Bankhead Banks, Jr., Charleston, West Virginia
 616 Lucian Lloyd Bass III, Richmond, Virginia
 617 Richard Ashby Burleson, Darien, Connecticut
 618 John Ernest Christopher, Eau Gallie, Florida
 619 Richard David Crockett, Bristol, Virginia
 620 Reid Anthony Dunn, Richmond, Virginia
 621 Larry W. Everett, Virginia Beach, Virginia
 622 Ted M. Foster, Lynchburg, Virginia
 623 Mark B. Germain, Richmond, Virginia
 624 Robert S. Goodman, Charlottesville, Virginia
 625 John David Hewa, Bristol, Virginia
 626 Frank P. Hunter, Jr., Warrenton, North Carolina
 627 Kenneth A. Knowles, Jr., Arlington, Virginia
 628 Robert W. Michael, Richmond, Virginia
 629 George R. Parrish, Portsmouth, Virginia
 630 Joseph G. Payne, Madison, Virginia
 631 James Owen Reector, Roanoke, Virginia
 632 James H. Robertson, Williamsburg, Virginia
 633 Boyd Franklin Rohrbach, Jr., Arlington, Virginia
 634 Charles H. Spence, Jr., Norfolk, Virginia
 635 William S. Wheatley, Jr., Winchester, Virginia
 636 Robert Leith Mitchell, Arlington, Virginia

FALL 1961

- 637 Walter Leeds Cushman, Charlottesville, Virginia
638 Garth Frierson Fort, Nashville, Tennessee

RHO CHAPTER

- 637 Thomas Lawson Barringer, Kannapolis, North Carolina
638 Anthony Earl Collins, Winston-Salem, North Carolina
639 Burnell Parker Curtis, Wilmington, North Carolina
640 James Edward Ingram, Kernersville, North Carolina
641 Ants Koppel, Greensboro, North Carolina
642 David Malcolm Patrick, Raleigh, North Carolina

UPSILON CHAPTER

- 565 Joe Robert Dyer, Mineral Springs, Arkansas
566 Charles Fred Mayfield, Jr., El Dorado, Arkansas
567 Conrad Douglas Lawson, Malvern, Arkansas
568 John Fremont Miller, Paris, Arkansas
569 William Buck Johns, Paris, Arkansas
570 Berry James Wilcox, Hot Springs, Arkansas
571 Farouk Ahmed Bajour, Beirut, Lebanon
572 Arthur Knox Patterson, Fort Smith, Arkansas

PHI CHAPTER

- 356 Robert John Felbinger, Joliet, Illinois
357 Ronnie Mitchel Gore, Danville, Illinois
358 Peter Allen Lynch, Elkhart, Indiana
359 William Charles Thiele, Marion, Indiana

CHI CHAPTER

- 611 Keith Maynard Kingsbury, Phoenix, Arizona
612 James Edward Marr, Tucson, Arizona
613 Eugene Robert Parrill, Tucson, Arizona
614 Harlow Ross Peterson, Phoenix, Arizona
615 Donald Francis Wright, Bisbee, Arizona

PSI CHAPTER

- 430 (Honorary) William Bartlett Hall, Butte, Montana
431 Edward Gomer Davis, Butte, Montana
432 Marvin Arthur Senne, Rexford, Montana
433 Thomas Michael Hines, Vallejo, California
434 William Hodge Bayliff, Butte, Montana
435 Brian Joseph Boyle, Butte, Montana

GAMMA BETA CHAPTER

- 431 Eliot Cohen, Silver Spring, Maryland
432 Vance Cribb, Washington, D. C.
433 Harvey Platt, Washington, D. C.
434 Douglas Jones, Washington, D. C.
435 Clifford Stearns, Washington, D. C.
436 Jerry Steffell, Washington, D. C.
437 John Wolfgang, Jr., Falls Church, Virginia

EPSILON BETA CHAPTER

- 141 Robert Edward Brokenshire, Detroit, Michigan
142 Walter Lawrence Bury, Detroit, Michigan
143 Ronald Anthony Campo, Detroit, Michigan
144 Donald William Antonow, Detroit, Michigan
145 Richard Sampson Kirk, Pontiac, Michigan
146 Harry Roger Loucks, Detroit, Michigan
147 Ronald Edward Michalak, Lackawanna, New York
148 Donato Palizzi, Allen Park, Michigan
149 Richard David Wisley, Detroit, Michigan

ZETA BETA CHAPTER

- 26 Heber Kimball Giesler, Logan, Utah
27 David L. Bailey, Logan, Utah
28 Richard Lee Manning, Logan, Utah
29 David N. Rider, Logan, Utah
30 Roger LeRoy Jensen, Brigham City, Utah

ETA BETA CHAPTER

- 1 Avery Lowell Howell, Jr., Houston, Texas
2 Ned Brownley Cheshire, Houston, Texas
3 Kenneth Wayne Williams, Houston, Texas
4 Jerry Lee Rix, Houston, Texas
5 Edgar A. Rapp, Jr., Houston, Texas
6 Benjamin Harrison Hood, Jr., Houston, Texas
7 Bobby Garcia Adame, Houston, Texas
8 Robert Franklin Schwartz, Houston, Texas
9 Jims Gee, Houston, Texas
10 Joseph Alburtus Hedding, Jr., Houston, Texas
11 Jim Allen Boyd, Houston, Texas
12
13 William Judson Leach, Houston, Texas
14 Willard Park Holland, Jr., Houston, Texas
15 Loyal Clyde White, Jr., Houston, Texas
16 Gerald Louis Spieldenner, Houston, Texas
17 Chris Nick Stamos, Houston, Texas
18 Morris Sheppard Medley, Jr., Houston, Texas
19 Johnny Arnaud, Houston, Texas
20 Charles Joseph Tamborello, Houston, Texas
21 Howard Brady Camp, Galveston, Texas
22 Stephen Lee Shaw, Houston, Texas
23 Ruhi Rustu Berent, Istanbul, Turkey
24 Herbert Andrew Underwood, Pasadena, Texas
25 James Clarence Hassell, Houston, Texas
26 John Conaway Rush, Galena Park, Texas
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33 Thomas Reid Turner, Houston, Texas
34 Hillel Weinbaum, Houston, Texas
35 William Townes Kittinger, Houston, Texas



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

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Adviser: PROF. WILLIAM K. REY, P. O. Box 664, University, Alabama
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- CHI Established April 23, 1930 _____ University of Arizona
840 East Fourth Street, Tucson, Arizona*
Adviser: PROF. PHILIP B. NEWLIN, Civil Engineering Department, University of Arizona, Tucson, Arizona
- PSI Established May 7, 1932 _____ Montana School of Mines
c/o Prof. Douglas H. Harnish, Jr., Petroleum Engineering Department, Montana School of Mines, Butte, Montana
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- OMEGA Established March 26, 1932 _____ South Dakota School of Mines and Technology
107 Kansas City Street, Rapid City, South Dakota*
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- GAMMA BETA Established March 16, 1935 _____ The George Washington University
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- DELTA BETA Established May 20, 1939 _____ University of Louisville
2022 South First Street, Louisville 8, Kentucky*
Adviser: PROF. MILES G. NORTHPROP, Electrical Engineering Department, University of Louisville, Louisville 8, Kentucky

- EPSILON BETA Established May 19, 1951 _____ Wayne State University
1200 West Hancock, Detroit, Michigan*
Adviser: DR. HAROLD G. DONNELLY, Chemical and Metallurgical Engineering Department, Wayne State University, Detroit 1, Michigan
- ZETA BETA Established May 7, 1960, Utah State University of Agriculture and Applied Science
Box 254, Union Building, Utah State University, Logan, Utah
Adviser: DR. REYNOLD K. WATKINS, Mechanical Engineering Department, Utah State University, Logan, Utah
- ETA BETA Established May 13, 1961 _____ University of Houston
Theta Tau Box, Cullen College of Engineering, University of Houston,
Houston 4, Texas
Advisers: PROF. WILLIAM J. LEACH, Assistant Dean, Cullen College of Engineering, University of Houston, Houston 4, Texas, and PROF. WILLIAM T. KITTINGER, Jr., Electrical Engineering Department, University of Houston, Houston 4, Texas

* Chapter house

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NOTICE TO ALL ALUMNI

By action of the last Biennial Convention, alumni initiated prior to 1930 may now receive *The Gear* at no cost. Your help is needed in locating these men. If you know the name and address of any alumnus who may not be receiving *The Gear*, please fill out the form on page 56 and return it to *The Gear*.

Editorials

Old Traditions

Our Ritual reminds us that one of the oldest Theta Tau traditions is the celebration of Founders' Day on or near October 15 each year. As alumni we are urged to join with our Chapters or with other members living nearby to celebrate the founding of our Fraternity. The Washington alumni gathering detailed elsewhere is a prime example of alumni living near each other gathering on this important day.

Sometimes forgotten and often neglected is another part of this tradition which calls upon us to write a letter to our Chapters before October 15 if we are unable to join with them in celebrating Founders' Day.

A letter to your Chapter would be a simple undertaking and could put many who had lost track of the Brothers over the years in contact with each other. Certainly many of the Chapters attempt to draw us nearer by newsletters and celebrations near Founders' Day. Why not enter this old tradition with a spirit of renewed interest and keep this old tradition alive? Founders' Day is many weeks past now, but many Chapters celebrate establishment anniversaries next year. And really you don't need an "excuse" to write—just go ahead and do it. Your Chapter is vitally interested in you and your activities since graduation. Write that letter and don't forget our old tradition of Founders' Day celebration next fall.

WEF

You Wuz?

Fraternity editors and others in the fraternity world have expressed a concern over a certain grammatical usage of some alumni which may go deeper than mere words. They find that often members in writing will say, "I *was* a member of—fraternity in school." Unfortunately this seems to be a truth in too many respects. But we were initiated for life and it is only through negative thinking and inactivity that alumni fall into the obvious misstatement that they "were a member."

"I *am* a member of Theta Tau from—Chapter." How good it would be for all alumni to say this is their letters. How good it would be to know all of the same alumni supported their Chapters' alumni activities, participated in an alumni association, or worked to form one in the many cities that need one. This would be visible demonstration that "I am a member of Theta Tau" *for life*.

Perhaps the first step to more active participation is this positive statement as a reminder. So in your next letter to your Chapter, *The Gear*, or another member, remind yourself that fraternity membership is for life. This is one problem common to the fraternity world that only individual members can solve.

WEF

NOTICE TO ALL ALUMNI

By action of the last Biennial Convention, alumni initiated prior to 1930 may now receive *The Gear* at no cost. Your help is needed in locating these men. If you know the name and address of any alumnus who may not be receiving *The Gear*, please fill out the form on page 56 and return it to *The Gear*.

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 _____

Address _____

News of yourself and/or others _____

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

NOTICE OF DECEASED MEMBER

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

Deceased Member

Name _____ Chapter _____ Year _____ Roll No. _____

Address _____

Date and place of death _____

Name and address of nearest relative _____

Reported by _____ Chapter _____

Address _____

Relationship to deceased _____

Please attach biographical data and clippings.

CHANGE OF ADDRESS NOTICE

Send your change of address notice to *The Gear of Theta Tau*, 1507 Lynwood Drive, Lindsay, Oklahoma. The post office will not forward the magazine on the original postage. The magazine can be sent only to those alumni whose addresses we have.

Name	Chapter	Year	Roll No.
Old address:			
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City	Zone	State	
New address:			
Street			
City	Zone	State	
Permanent address from which mail will always be forwarded to you:			
City	Zone	State	
Street			
c/o			

NOTICE OF ALUMNUS ADDRESS

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

ALUMNUS ADDRESS			
Name	Chapter	Year	
Street			
City	Zone	State	
Reported by	Chapter	Year	
Street			
City	Zone	State	
Be sure the Theta Taus you know are receiving <i>The Gear</i> .			

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