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# THE GEAR OF THETA TAU



FALL 1962

VOLUME LII

NUMBER 1

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# THE GEAR OF THETA TAU

FALL 1962

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*Cover Picture: Beta Chapter's new home is this large house located on a 12-acre wooded tract of land near the Michigan Tech campus.*

*Photo Credits: Page 5, Daily Mining Gazette (Houghton, Michigan); page 22, Mines Magazine; page 27, Beta Theta Pi.*

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# In Memoriam



**ERICH JULIUS SCHRADER**

**Founder Number One**

**1881-1962**



# Erich J. Schrader

*Fifty-eight years of devoted service to his Fraternity came to a close when our Founder passed away in his sleep on October 28, 1962, in Muskogee, Oklahoma. Our Fraternity stands today as the symbol of his great achievement in our founding.*

by J. W. Howe, Omicron '22

"It was in the fall of 1904 and the beginning of another school year at the University of Minnesota, but for one student on that campus it was the beginning of a life's work. The student was Erich J. Schrader, a senior in mining engineering, and for some time he had had the dream that there be a professional fraternity for engineers similar to those that already existed in the fields of medicine, law, and dentistry. He would sit and talk at length about this with his roommate, Elwin L. Vinal, who was a sophomore in mining engineering. Thus on October 15, 1904, these two engineering students met in their room with Isaac B. Hanks and William Murray Lewis, who were also sophomores in the School of Mines, and together the four men founded the Society of Hammer and Tongs. Little did any of them dream at that time, the proportions to which this small society was destined to grow."

Thus began the history of Alpha Chapter in the Golden Anniversary issue of *The Gear*. In the three-score years to follow, this organization became the life of Erich Schrader. Though a competent and successful mining engineer, he nevertheless gave first attention throughout his life to the professional fraternity which he conceived as a senior in college. As the organization developed into a national fraternity, he became its first head—originally called National Chairman and, after 1911, Grand Regent. In 1919 he moved to the office of Grand Scribe, which he held continuously for the next 35 years. In 1948 the position of Executive Secretary was created and Erich Schrader was chosen to fill the post. He thus was able to keep in close touch with the Fraternity without carrying its increasing burdens. When Erich was no

longer able to serve in this capacity, the Fraternity created the office of Counsellor in 1954 and appointed him to this, his last national office.

Erich was born in Bremen, Germany on June 24, 1881, but was brought to the United States at the age of five by his parents, who settled in Minneapolis. He went through the public schools of the Twin Cities and moved on to the University of Minnesota to study mining engineering. As an upperclassman he felt that he must do something to advance the professional consciousness of engineers. Out of this desire came Theta Tau, Professional Engineering Fraternity.

Throughout Erich Schrader's life he devoted a major portion of his time to the Fraternity. He wanted to know every Theta Tau, and came closer to this goal than any other man. His memory was infallible and those with whom he exchanged the fraternal grip, he remembered. When the number of members reached the thousands, he pored over the membership lists and could remember the names of hundreds of members and their chapters. It was for this purpose that he always insisted upon the publication of the names of new members in each issue of *The Gear*.

A mining engineer, he began his practice upon graduation in 1905 as an engineer helper at the going salary of \$75 per month. His practice led him to mining positions in the United States and Mexico. He was "run out of Mexico" (his own words) in 1911 during a revolution. He later became manager of the Rockland Mine and the Spanish Belt Mine in Nevada and general superintendent of the Gold Circle Consolidated in Midas, Nevada.

He was a member of the Nevada State

Mining Advisory Board for many years and served as chairman of the Nevada Delegation to the Western Conference of State Mining Boards in 1944. His professional activities included the preparation of many technical articles for publication. A 32nd Degree Mason, he had been awarded his 50-year pin, and was a member of Kerack Shrine Temple. He was also a member of the AIME.

In 1931, he opened a consulting office in Reno, Nevada, where he practiced until the infirmities of age incapacitated him for active practice.

In his last years he was cared for by his sister and brother-in-law, Mr. and Mrs. Thomas H. Niles of Muskogee, Oklahoma, where he passed away in his sleep on October 28, 1962. His brother, Ernest J. Schrader, Xi Hon. '22, of St. Paul, Minnesota, and another sister, Mrs. A. F. Pfeifer, Greenbay, Wisconsin, also survive.

Private funeral services were held at 10:00

a.m., October 31, 1962 at Bixby Memorial Chapel of Grace Episcopal Church in Muskogee. Interment was in St. Paul, Minnesota, with graveside services there at 11:00 a.m., November 2. The Fraternity was officially represented at each service.

Throughout the first 50 years of the Fraternity's life, Erich Schrader was its dominant force and the inspiration for all national officers. He was mainly responsible for its Constitution and Ritual, but nevertheless was eager to accept improvements in either if he was convinced of their merit. Those who knew Erich personally realized that the Ritual of the Fraternity was his voice, his dream, his admonition to younger men for whom he felt a genuine brotherly affection and for whom he wished the greatest professional success.

Erich never married. His devotion was to Theta Tau. His monument is this professional Fraternity. Those who would honor his memory will work for its success.

## Beta Bounces Back

*After the disastrous fire last spring, Beta Chapter quickly found a new home.*

**by Henry Weber, Beta Regent**

At about 4:00 a.m. on April 5, 1962 the members of Beta Chapter were awakened by the sound of the fire buzzer. A red glow lit the sky. The sleeping rooms emptied quickly and with very little commotion. Only a few stopped in their rooms to grab what clothes they could wear as the 27 members filed from the house.

In the third floor sleeping room the occupants awoke and upon trying the door found that fire, which was in the next room, had them blocked from that exit. The first man down the fire ropes was Fred Sherriff, and as he grabbed the rope he slipped and fell. He hit the porch roof, which partially broke his fall, bounced off, and fell on top of a car parked by the porch. Others went

out the window and slid quickly down the ropes to safety.

Members already out of the house helped Fred into a car and took him to the hospital where it was learned that he had two broken wrists. Dick Lappo was also treated for rope burns which he received as he slid down an unknotted new fire rope from his sleeping room on the third floor. Dick described his rapid descent as nothing more than a guided free fall.

The fire company arrived and the fire appeared to be under control as the firemen attempted to confine it to the one room, but with a large gusto the flames spread through the walls and soon broke through the roof. It made a sweep through the back



The aftermath of the fire.

of the house, working its way to the front. At this point the fire was completely out of control and there was little that the members could do but stand by and watch as the fire destroyed the rest of the house.

As the individual rooms of the members and all of their personal belongings went up in flames, the actives and pledges filed quietly away to rooms awaiting them in the other fraternity houses.

The house at 1405 College Avenue was one of the avenue's larger residential structures. It was at one time known as the Keweenaw Club. According to former adviser Dr. Roy Drier, the building in its early days also housed the Rhombohedron Club. It was the largest fraternity house on the Michigan Tech Campus, with a capacity of 38 members. Immediately following the fire, the college, campus organizations, fellow students, and the townspeople rallied to the aid of the homeless H. & T.'s. The college arranged for free room and board at the dorms until the following Monday, set up an interest-free loan fund, and extended credit in the book store to all members. The other fraternities had similar room and board offers and collected clothes

among their members which they gave to Beta men.

At noontime, while the house was still smoking, a meeting of all members and the alumni in the area was held to investigate the insurance situation and to decide on some definite plan of action. Even with the insurance coverage, a great deal was lost by the individual members, as everything they owned was in their rooms.

The men that were injured in the fire were released from the hospital by the following Monday, and fortunately no one was seriously injured. All those hospitalized, as well as the rest of the Beta men, finished the school term.

It was unanimously decided among the members to continue to live together if at all possible. As a result two committees were set up, one to investigate the possibilities of immediate short term housing and a long term planning group to investigate the cost of building, or the availability and cost of buying another house.

The short term committee looked into about four possible units and decided that the best arrangements were offered by the Douglass Hotel. One wing of the hotel had



The original Beta Chapter house before the fire.

not been in use since 1958 and arrangements were made to have eleven of the rooms remodeled and made suitable for group living. Partitions were knocked out and two rooms were combined to provide kitchen facilities and the same was done to provide a dining area.

Helping in these important decisions were the very interested faculty and alumni.

Then this fall, Beta Chapter purchased a new house and occupied it in late October. The actual purchase and fund raising, along with all the preliminary work, were done by current Beta actives with consultation and legal advice coming from alumni and corporation officers. Bruce Peters, a graduate student who served as housing chairman, was instrumental in the purchase.

The new house was formerly the Thornton Estate. It is located about one and one-half miles west of the campus. The house itself is wood frame with white stucco and stone exterior. The lower floor has two huge living rooms, 17' x 33' and 20' x 35'. Each has its own fireplace.

The property includes twelve acres of wooded land. Approximately one and one-half acres have been developed with a beautiful lawn and flowers and shrubs. The rest of the land is covered with virgin timber.

About 200 feet from the house is a huge five-car garage which has five rooms and a bath above it. This area may be repaired in the future so that eight more actives can be accommodated.

There is a spacious back yard which is well lighted and boasts a huge barbecue pit.

Inside there is a completely modern stainless steel kitchen with a large dining area, plus a spacious basement which has great chapter room and recreation area possibilities. The bath facilities are all new with all of the bathrooms being tiled and having colored fixtures with bathtub and shower. Thirteen years ago the house was completely reworked, and the members were able to move into the house with few alterations. At present 28 or 30 members plan to live in the house.

The Chapter is currently bringing the house up to date as far as fire prevention and detection are concerned. A field repre-



Aerial view of Beta's new house and surrounding forest.

sentative of a fire equipment company has been working with a very fire conscious group.

New furniture for the lower floor has been ordered as well as the installation of wall to wall carpeting in the living room, hall, and foyer areas. Desks, bunks, bureaus, and chairs have been ordered for the rooms.

The members of Beta Chapter would be happy to show their new home to any Theta Tau brothers. Beta will host the Northern Regional Conference in 1963.

# College Fraternities in the Seventies

*To spotlight the changes which are going on in the Fraternity thinking today, three active and interested alumni were asked to give their opinions of the college fraternity of the seventies. The three men represent a range of experience on the national level—a committee chairman, a national officer, and a Past Grand Regent. Geographically they present their views from Michigan, Alabama, and New York. These articles should be of interest to everyone.*



Prof. William K. Rey, Mu '45, teaches aerospace engineering at the University of Alabama. He is Grand Vice Regent and Mu Chapter Adviser.

THE GREEK LETTER SOCIETY has played a role on college campuses in the United States since 1776 when Phi Beta Kappa was founded at the College of William and Mary as a social fraternity. Since that time, fraternities have been the subject of so much controversy that it is difficult to determine whether the role played is that of villain or hero. While critics claim the fraternity is unfair, undemocratic, discriminatory, lowers academic achievement, and will soon disappear from the college scene, proponents maintain that fraternities build character, provide training in the basic principles of self-government, develop leadership potential, improve scholarship, broaden the college experience, and will continue to grow and expand. Both sides of this controversy should receive consideration by those attempting to forecast the future role of the fraternity system.

The college fraternity was created to fulfill a need. As long as they fulfill a need, they will survive and flourish in the face of criticism and controversy. As soon as the college fraternity no longer serves a useful

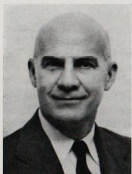
purpose it will begin to wither and eventually disappear. Those concerned with the future of college fraternities must recognize that some of the needs to be satisfied have changed and will continue to change.

In order to prosper, the fraternity must be more than a club providing room and board in congenial surroundings. The fact that 356 new chapters of fraternities and sororities were chartered during a recent twelve-month period (along with the many additions and renovations of older chapter houses) is an indication that fraternities are meeting the challenge of change. The fact that approximately 50 per cent of the fraternity chapters who are members of the NIC have scholastic averages above the all-men's average on their campus indicates that they are accepting their responsibilities.

Comforting as some of these statistics may be, fraternities must not adopt an attitude of complacency. The encroachments on the basic freedoms of organizations by overzealous college administrators and legislatures subjected to the pressures of minority groups and their lobbyists is



a menace that must be recognized and resisted. By devotion to moral, social, intellectual, and professional excellence, fraternities can effectively combat much of the criticism they receive. By demonstrating the willingness to accept the responsibility of providing competent campus leadership and an environment that enriches the college experience, fraternities will receive the approbation of college administrators. By remaining useful, purposeful, and responsive to ever-changing needs, fraternities will continue to make an important contribution to the overall college program.



**A. Dexter Hinckley, Theta '27, is managing director of the Illuminating Engineering Society and was assistant to the dean of engineering at Columbia University for 10 years. He is a Past Grand Regent.**

MY OBSERVATIONS on our fraternities today are limited by my experience since I left my job on the Columbia campus eighteen years ago, but I know a little about the conditions at a city-based school, some of which are matters which would affect the fraternity situation at all engineering schools.

It becomes increasingly difficult to bring and hold a group together on campus. Fraternity houses are more and more expensive to operate; expanding college construction takes over fraternity row and building new fraternity houses is a very costly project; more and more students have their own cars; and the commuter problem increases on both city and country campuses.

Apart from the difficulty of maintaining

Some social fraternities have encountered problems in adjusting their programs to the fact that most of the students coming to college have already had the social experiences that were formerly supplied by the social fraternity. Theta Tau is in the unique position of already having a program that appeals to today's mature student whose primary interest is in obtaining the best possible professional education. By recognizing and correcting shortcomings and internal problems, Theta Tau will continue to expand to new campuses and contribute to the professional growth of an increasing number of members.

a fraternal group, there is the change in the engineering curriculum. School demands are greater both for admission and to stay in school. Engineers are no longer civils, electricals, mechanicals, and miners. They are divided and sub-divided through a long range of specialized engineering and scientific curricula. This tends to separate the fraternity membership on campus—in class as well as in all the technical society and other groups.

This diversification leads to a scattering of alumni both as to field and geography. This and the increasing demands of the profession decrease the support possible from the alumni.

There seems to be a gravitation of young people toward a more serious and dedi-



cated life. This, combined with more early marriages and stronger professional purpose, diminishes the participation in a fraternal group.

From the foregoing factors, I would guess that the engineering college fraternity of the seventies would be characterized by the following: generally not a house

group; holding occasional meetings of professional character; composed of members without reference to creed or color, perhaps including young women; less engaged in ritual in their initiations and meetings; and assisted by more national paid staff members in the absence of the contributed services of alumni.

**John M. Dealy, Zeta '58, is a Ph.D. candidate in chemical engineering at Michigan University. He is chairman of the Constitution Revision Committee.**



THIS IS A MEDICAL REPORT. It deals with the symptoms of a disease, and the author's diagnosis and prognosis. I have observed with much concern during the past decade the spread in the fraternity world of this illness, which if not treated effectively and soon, could well prove fatal. Weakened by the depression and then the war, those chapters which survived now seem unable to cope with the more subtle problem of a decline in enthusiasm for fraternity living.

On many campuses the percentage of eligible students who indicate an interest in fraternities has declined steadily. Probably the most important fact which must be considered in attempting to account for this is that college isn't what it used to be. There is more studying. Academic standards have risen, everyone must scramble to keep his place in the classroom. There is, consequently, less time to be spent planning and participating in large-scale social and service projects. Another factor is that on many campuses, the dependence of the university on fraternities for organized student housing is diminishing.

The situation at one Big Eight school is a good example. Until the mid-50's there were no modern, university-operated dormitories for men. The fraternities and sororities housed about 25% of the student body. Then, in preparation for the expected increase in enrollment, the university started a vast building program, which to date has involved the erection of about half a dozen giant housing units for men, which are hardly more charming as a residence than an old YMCA hotel. Now there are empty spaces in the dorms, and the administration is reluctant to make any allowance for a student to move into a fraternity house between semesters.

Of course, this indirect generation of problems for fraternities must be contrasted with the aggressive attack which has been made on the fraternity system by some college administrators. Such action has usually been the result of pressures brought to bear by alumni and students who are anti-fraternity and base their criticism on charges of discrimination against minority groups. With such charges as their banner,

college administrators have marched further and further into the business of regulating fraternity practices and operations. The situation at Williams is especially enlightening in this respect. Having survived several severe administrative regulatory blows, the fraternities there now face complete extinction by administrative decree.

I'm not trying to blame our troubles on others. On the contrary, the influences I have mentioned are only the irritants which have brought out some serious, but sometimes misleading, symptoms of a more basic disorder. The real problem, I believe, is that fraternities have failed to keep pace with the changes which have taken place on the campus. The focus of attention has changed. College is still a three-ring circus, involving academic, professional, and social development, but the relative importance of these facets of college life has changed, and unfortunately, many fraternity alumni and national officers have not yet recognized this fact.

The assistant dean of men for fraternity affairs at a Big Ten school, with whom I have had the pleasure of several chats about the problems facing fraternities, feels quite strongly that alumni and national officers are not providing the support and advice that they should to the chapters of their groups. The situation is particularly acute in the larger social fraternities which have nearly one hundred chapters or more. Even the groups which are getting some individual attention from their national officers are not always the better for it. At the last meeting of the Professional Interfraternity Conference, I was somewhat disappointed to note the general lack of

imaginative, realistic thinking and planning on the part of the delegates.

Although alums are, in many cases, of little help, we might expect that some senior students would have gained enough maturity and experience to help in re-evaluating the activities of our fraternities. Unfortunately, seniors are notorious for disassociating themselves from the operations of their chapters so that the house does not gain from what wisdom they might have attained.

What is the therapy for the condition we find ourselves in? The cure is not going to be simple, but certain facts stand out. Our fraternities must take a long, hard look at themselves in the mirror of student reaction and opinion over the past few years. They must reevaluate their programs to meet the needs of today's campus, even if this means a drastic change in their general practices.

What will the chapters look like in the seventies? I am optimistic in believing that many of them will still be doing business at the same stand. They will, however, have a new look. There will be fewer of them, I believe, and they will be serving somewhat different needs. They will be non-discriminatory in practice as well as in name, because I think this is what most of the members will want. A more adult social program balanced by a sound professional development program will be the rule. Some chapters will lose their houses and die; others will lose their houses and be the better for it.

Fraternities will be different in the seventies, and not in the campus spotlight as they once were, but they will be serving a real and important need and will be basically stronger because of it.

### ATTENTION ALL MEMBERS OF THETA TAU

The Brown Hotel, Louisville, Kentucky, will be the headquarters for the Twenty-Fourth Biennial Convention of Theta Tau Fraternity, December 27 to 30, 1962. Plan to attend all or any part of the Convention.

# Louisville Convention Plans Made

*Alumni are especially invited to the opening buffet, first session, initiation, reception, and banquet. Business will include the consideration of a full-time Executive Secretary program as well as Ritual and Constitution changes.*

Months of planning will soon be followed by a few short weeks of intense consolidation of plans, followed by the Twenty-Fourth Biennial Convention, December 27 to 30, 1962. The work of the 13 interim committees will be presented, and delegates from 25 chapters and the Executive Council will consider the problems and progress of Theta Tau in its 59th year.

Delegates and visitors can look forward to a streamlined program this year, but not less work, for there is much business to be considered. (See the Grand Regent's and Grand Scribe's Messages.) Everyone will be housed on one floor of the Brown Hotel in Louisville, and Convention activities will be held on the "Roof Garden" floor.

Delta Beta Chapter will act as the host, with Brothers Don Hinton, Steve Hale, and Bill McCulloch serving as the Host Committee with Prof. Miles Northrup, Chapter Adviser.

Pre-convention information will be sent to all delegates and everyone will be assigned to committees before the Convention. Pre-convention materials will also include committee duties and proposed legislation where practical. Committee chairmen will be announced prior to the first session.

Alumni within 200 miles of Louisville will be individually invited, but any alumnus may come to the Convention and all are urged to do so if possible. Reservations may be made through Grand Scribe Pope, but anyone unable to make reservations will be accommodated.

Chapter displays and other displays will be a part of the Convention.

Anticipated business will include a proposal to consolidate the officers' duties and Travelling Secretary's duties into a one-man position of Executive Secretary, who would

have secretarial assistance. The Ritual and Constitution Committees have been working in advance on proposals and changes in these documents, although no major changes are anticipated.



**Delta Beta Chapter's house**

Listed below is an abbreviated schedule of the Twenty-Fourth Biennial Convention.

## THURSDAY, DECEMBER 27

- 12:30 p.m. Registration begins
- 5:30 p.m. Buffet dinner
- 7:00 p.m. First Convention Session

## FRIDAY, DECEMBER 28

- 9:00 a.m. Second Convention Session
- 11:30 a.m. Tour of University campus
- 12:30 p.m. Luncheon at Student Center
- 2:30 p.m. Third Convention Session
- 6:00 p.m. Dinner

## SATURDAY, DECEMBER 29

- 9:00 a.m. Fourth Convention Session
- 12:30 p.m. Luncheon
- 1:30 p.m. Fifth Convention Session
- 5:30 p.m. Initiation Ceremony
- 7:00 p.m. Reception
- 7:30 p.m. Convention Banquet

## SUNDAY, DECEMBER 30

- 9:00 a.m. Final Convention Session

# Upsilon Moves to a New Home

by John J. Harton, Upsilon '64



Front of Upsilon's new home

Interest in the campus activities of Theta Tau at the University of Arkansas has been steadily increasing. This interest has been shown quite clearly by the number of men desiring to live in the fraternity house. So much enthusiasm existed for greater living accommodations that we thought it worthwhile to investigate the possibilities of acquiring a larger house.

Thanks to the efforts of past Regent G. W. Sorrells and Adviser J. R. Bissett, Upsilon now has its headquarters at 763 West Dickson. The new location houses approximately 20 actives and pledges and

provides increased dining facilities, as well as ample parking space and a large chapter room. The house leaves nothing to be desired concerning location. Classes are as close as the brother across the hall. (The Engineering Building is located directly across the street.)

After many man-hours of scrubbing, painting, paper-hanging, and waxing, we have been rewarded with a very comfortable chapter house. We extend a most hearty invitation to alumni and brothers everywhere to visit with us at our new home.



Upsilon's new chapter room

## EJC Research Committee Reports

A significant report has been prepared by the Engineering Research Committee of the Engineers Joint Council. The report projects the needs of the United States for the next 20 years. It points to an overbalance of the national research effort toward the military, space technology, and atomic energy, while the important areas of transportation, education, urban conges-

tion, housing, smog control, and water pollution are getting small attention.

The Committee made specific recommendations to EJC, government agencies, and educational institutions. The report is entitled, "The Nation's Engineering Research Needs, 1965-1985," and is available on request from Engineers Joint Council, 345 E. 47th Street, New York 17, New York.

## Two Chapters Meet for Picnic

On May 20, 1962, Sigma Chapter and Epsilon Beta Chapter met at East Harbor State Park in Ohio for an inter-chapter picnic. Sixteen couples from Epsilon Beta and 15 from Sigma each traveled 110 miles to the park. The activities of the day included water skiing, swimming, volleyball, softball, and mummification. The latter is said to involve a long, long towel, many willing actives, and one not-so-willing active.

The two Chapters vied for a two-foot high trophy awarded to the winner of two out of three contests: six-legged race, girls'

egg toss, and tug-of-war.

As Ronald E. Michalak, Epsilon Beta Corresponding Secretary, reported, "The tug-of-war could not be considered a contest, however. Epsilon Beta, though considerably out-weighted, took a mere 15 seconds to prove this, even while being courteous enough to temporarily give quarter. In the girls' egg toss Epsilon Beta was again victorious. We are proud to say that Sigma Chapter did manage to squeak in a tie in the six-legged race. The trophy now rests proudly on our mantel."

Sigma Corresponding Secretary Lawrence J. Rennie reported a slightly different version, "We are sure our brothers from Epsilon Beta Chapter are proud of their magnificent accomplishments of that day when they courageously met their 'opponents' from Sigma Chapter and proved once and for all that Epsilon Beta is indeed the undisputed champion of the two great American sports, the tug-of-war and, of course, the girls' egg toss. The two Chapters did, however, draw a tie (to the amazement of Epsilon Beta Chapter) in the manly sport of six-legged racing."

After the fun and games a picnic lunch and a singing session topped off a very successful event. The members hope to make this an annual affair, with more members and perhaps more chapters represented.



Sigma's six-legged race team. Andy Nolan of Epsilon Beta keeps them honest.

## Three Conferences End School Year

Theta Tau's Regional Conferences have been more popular and better attended each biennium. The mere reporting of the facts does not describe the enthusiasm and fire with which some delegates leave these Conferences. The inter-chapter exchange of ideas in the formal sessions, at night, and at meals strengthens the feeling of national scope of the Fraternity. Through the topics discussed many common prob-

lems are aired, new ideas come forth, and good programs at some chapters are passed on to other chapters. Friendships made here will be renewed at the Convention in December. Pledging practices were discussed—housing problems were discussed—the Ritual was practiced—Professional Development Programs were discussed—in short the whole spectrum of Theta Tau activity was covered.



The value of these Conferences lies in the informal but carefully considered programs in each region; and because the distances traveled are relatively short, many more Theta Taus and pledges can participate.

These, then, are some of the factors which must be read into a report of the activities of the chapters and their members in each region—those intangibles which go beyond the mere fact that a group of men gathered, talked for two days, and had a banquet. These are the things that foster a strong bond of fraternal fellowship among the members.

### Northern Conference

The Northern Regional Conference was scheduled for April 19 to 21, with Beta Chapter as host. The fire which destroyed the Beta Chapter house on April 5 also destroyed the meeting place, but Beta continued to act as host with the Conference held at the Alpha Chapter house. Henry Weber of Beta Chapter was Conference chairman.

Delegates from all chapters in the region—Alpha, Beta, Zeta, Iota, Xi, and Omicron—attended. The Executive Council was represented by Grand Regent Britzius and Grand Scribe Pope. Beta introduced a new system for conducting the meetings at this Conference. Each topic was discussed on an informal panel discussion basis, thus permitting each chapter to present its views on all matters.

Beta again submitted a bid to act as host for the next Regional Conference, and this was accepted by the group.

A banquet was held as the official closing of the Conference. Henry Weber was chosen the outstanding delegate in recognition of his part in making it a success.

### Southern Conference

Mu Chapter acted as host for the Southern Regional Conference, held March 31 and April 1, 1962. All chapters in the region were represented—Mu, Pi, Rho, Upsilon, Gamma Beta, Delta Beta, and Eta Beta. Grand Vice Regent Rey and Grand Scribe Pope were also present. Mu Regent Travis Pruitt presided at the sessions.

The first morning session included a discussion of the process of enrolling new members in Theta Tau and a presentation of the initiation ritual by the Mu initiation team. Roy Killingsworth, Mu '48, assistant dean of the College of Engineering, was the speaker for the noon luncheon.

The Saturday afternoon session was devoted to the presentation of papers by members of the chapters. Charles F. Mayfield, Jr., Upsilon, discussed pledging procedures. Edgar A. Rapp, Eta Beta, presented a paper on professional programs. Non-professional programs was the topic for Jack James, Delta Beta.

At 4:00 p.m. Mu Regent Pruitt called to order the initiation ceremony for 19 Mu pledges. Following the initiation Grand

Members attending the Eastern Regional Conference at Phi Chapter







## DELEGATES TO SOUTHERN REGIONAL CONFERENCE

*Front row:* Homer W. Kirby, Mu; H. Troy Nagle, Mu; William P. Nichols, Mu; Tryon Hubbard, Mu; Mike Lawrence, Mu; James Dixon, Mu; Jerry V. Lindsey, Mu; Melvin Lee Homan, Mu; Robert E. Moyer, Mu; Thomas K. Keller, Mu; Leon M. Vick, Mu; William H. Mixon, Mu; Frank H. Condon, Mu; William M. Lampkin, Mu; Jerry C. Gray, Mu; Robert W. Kimbrough, Mu; R. Byron Driver, Mu; Joseph D. Hill, Mu; Bruce Zollers, Mu. *Second row:* Dean Miller, Upsilon; G. W. Sorrels, Upsilon; E. W. Norton, Upsilon; E. A. Rapp, Eta Beta; Rubi Berent, Eta Beta; Fred E. Hood, Jr., Gamma Beta; C. Robert Holder, Rho; Wendell McGee, Rho; C. F. Harrington, Rho; David Shelton, Rho; Samuel I. Gilfarb, Mu; Robert E. Pope, Grand Scribe; Travis Pruitt, Mu. *Third row:* Gilbert Yanuck, Mu; Wayne F. Small, Eta Beta; Conrad Lawson, Upsilon; C. F. Mayfield, Upsilon; Steve Hale, Delta Beta; H. A. Underwood, Eta Beta; Jack James, Delta Beta; Don Hinton, Delta Beta; Edwin W. Hauser, Rho; Hank Brown, Pi; Thomas R. Turner, Eta Beta; William K. Rey, Grand Vice Regent; Bryan Longmire, Mu; A. Dale Moore, Mu; Jay Gray, Mu. *Back row:* L. A. Woodman, Mu; Willard F. Gray, Mu; Reese Burnett, Upsilon; Glenn Jones, Mu; William Lawler, Mu; Charles J. Lamonte, Eta Beta; Robert Harvey, Delta Beta; Patrick Gray, Mu; Richard Bawcom, Mu; William J. Leach, Eta Beta Faculty Adviser; Erskine Donald III, Mu; David Basinger, Mu.

Scribe Pope conducted a review of the secrets of Theta Tau for the new members.

The Conference banquet was held Saturday night at Phillips Restaurant. The speaker was Willard F. Gray, Mu Honorary, head of the Electrical Engineering Department at the University of Alabama. The delegates from Delta Beta and Upsilon Chapters entertained with Theta Tau songs.

The Sunday morning session was also devoted to papers by chapter members. Hank J. Brown, Pi, presented the problems of chapter housing. The Schrader Award was discussed by Edwin W. Hauser of Rho Chapter. Gil Yanuck, Mu, spoke on chapter bylaws. The final speaker was Fred E. Hood, Gamma Beta, who spoke on alumni relations.

Grand Vice Regent Rey conducted a discussion of proposed amendments to the Constitution and Bylaws at the coming Convention.

Awards were presented for the best papers, with Gilbert Yanuck, Mu, receiving

first place and Jack James, Delta Beta, receiving second.

Regent G. W. Sorrels of Upsilon Chapter and Regent Edgar Rapp of Eta Beta Chapter each extended invitations from their chapters to act as hosts for the next Conference.

### Eastern Conference

The Eastern Regional Conference was held at Purdue University on April 7 and 8 with Phi Chapter as host. Sigma, Tau, Phi, and Epsilon Beta Chapters were present. Delta Chapter was not represented due to transportation difficulties. Grand Inner Guard Wales represented the Executive Council.

The Saturday morning session was opened by Phi Regent Richard Bergman. Prof. E. C. Thoma, Phi Chapter Adviser, gave the opening talk, "Are Fraternities Selective?" A discussion followed.

The noon luncheon was a buffet at the Phi Chapter house.

The afternoon session was devoted to the



The Saturday night banquet at the Southern Conference

presentation of papers on topics of interest, followed in each case by group discussion. Chris Betwee, Epsilon Beta, spoke on "Buying a Chapter House." He discussed the problems Epsilon Beta encountered in its recent house purchase.

Brother DiCarlo, Sigma, presented a paper, "Chapter House Problems," in which he discussed the problems of maintaining a chapter house. The pledging procedures of Tau Chapter were discussed by Dan Miller. The final speech was "Alumni" by Brother Thiele, Phi Chapter.

Brother DiCarlo won the prize of \$15.00 for the best paper.

The Conference banquet was held Saturday at 6:30 in the Purdue Memorial Union. Dr. A. R. Spalding, Phi Chapter Adviser, spoke on "The Role of the Frater-

nity at the University." The program was concluded with group singing. That night the delegates attended the Greek Week Penny Carnival held in the Union.

After an informal breakfast at the Phi Chapter house, the delegates gathered again to hear Grand Inner Guard Wales comment on the Conference. After more discussion the Conference was adjourned.

[The Western Regional Conference, held February 23 to 25, 1962 with Chi Chapter as host, was featured in the Spring 1962 *Gear*.]



Jack James, Delta Beta, presented one of the winning papers at the Southern Conference.

## New Professional Fraternity Leaflet

The Professional Interfraternity Conference, whose 31 member fraternities include over 1,400 chapters and 700,000 members, issued this summer a one-fold leaflet, "The College Professional Fraternity," setting forth the place of the professional fraternity in the Greek-letter world. Grand Scribe Robert E. Pope promoted this leaflet and

distributed copies with a letter to the deans of engineering of accredited schools. Other PIC officers sent them to deans of other professional schools, and the PIC secretary sent them to deans of students. Copies of the leaflet are available from the PIC secretary, James D. Thomson, 330 South Campus Avenue, Oxford, Ohio.

## Psi Members Injured in Accident

Marvin Senne, Psi Chapter Regent, reports that three Chapter members were injured in an automobile accident in late September. Cam Brown, Vice Regent, was

still unconscious several days after the accident. Jim Conway received a dislocated hip, and Frank Panisko had face and body lacerations.

# Grand Regent's Message

It is with a feeling of regret that I approach the end of a two-term (four-year) period as Grand Regent. I am sure that other Past Grand Regents have felt the same. I have enjoyed the close association with the members of the Executive Council and with the members of our active chapters.

This occasion presents an opportunity for looking back at past accomplishments and ahead to the future. This I shall do with the calculated risk that I may be considered as growing old which I am not yet willing to admit.

The past four years have seen changes in our Fraternity, perhaps greater than for any other past four-year period. We have moved ahead by undertaking a program of expansion. The establishment of an office of Travelling Secretary, which Brother Pope has so adequately filled, was the keynote of this program which added Zeta Beta Chapter at Utah State University and Eta Beta Chapter at the University of Houston. The groundwork has been laid for the establishment of chapters on other campuses. I cannot leave this discussion on our expansion activities without expressing the conviction that we undertook this activity primarily to extend to more men the opportunity to share in the benefits of membership in Theta Tau.

A second accomplishment of the past four years has been the change in our Constitution relative to our membership requirements. The change was made with some misgivings but with acceptance that was a credit to us. I still cannot feel that a fraternity or sorority or a similar social group must open its membership to all. Adherence to this position could be construed either as conviction or stubbornness. As of this time the move appears to have been wise. It is unfortunate that one of



our chapters became impatient and so was lost—let us hope only temporarily.

This past biennium has also seen the editorship of *The Gear* change hands—a responsibility that had been carried by Brother Howe with the assistance of Brother Mercer for some 32 years.

During the last four years we have had the misfortune to lose a number of our past leaders who have done so much to build Theta Tau and to keep it strong. I especially regret the passing of Brother Jamison Vawter. We have been favored by still having among us our four Founders and a number of our Past Grand Regents whose continued interest in our Fraternity has been a source of inspiration.

Let us look to the future. I have confidence that we can and should continue the services of someone in a new position as Executive Secretary with a central office. I am confident that this can and should be done on a balanced budget basis by reducing the services required and the honorariums now being made to the national officers. I look forward to additional chapters at other college campuses and perhaps to the reestablishment of chapters where we once were.

I hope our Ritual and Constitution can be improved at this coming Convention. No major revisions are needed but some changes can and should be made.

A start has been made in writing our history. I hope this can be completed soon.

All of this activity will have as a result the better education of the student who is a member of Theta Tau, the growth of our Fraternity, and the general strengthening of engineering as a profession.

CHARLES W. BRITZIUS

# Comments from the Travelling Secretary

This fall all members of Theta Tau can share in the pride our four Founders must feel as they look back upon the 58 years since Theta Tau began. Founders' Day is an appropriate time for looking back; but it is also an appropriate time, I believe, for measuring our Fraternity, and for looking toward its future. And *all* Theta Tau members, from oldest alumnus to newest initiate, can properly do this.

The necessarily slow process of developing new chapters continues, and more tangible returns are expected later this school year. Help received from other members in the past is most gratefully acknowledged. More is needed in the future, not only in suggesting potential chapter sites, but in personally promoting and guiding the organization of new chapters.

Concurrently with extension effort, we are continuing a vigorous chapter visitation program and we will have visited every chapter this biennium at least once. Only since the Travelling Secretary program has this been possible.

Reorganization of Epsilon Chapter saw its return to the ranks of active chapters last spring. Before the Convention this December, we expect to receive the petition of another local seeking affiliation with Theta Tau. We rejoice at this prospect. Why? Theta Tau has never before had as many active chapters as it does now, and it has long been the largest engineering *fraternity* in the world. But is size alone the proper measure of the worth or success of a fraternity? I think not.

The purpose of Theta Tau is "to develop and maintain a high standard of professional interest among its members, and so to unite them in a strong bond of fraternal



fellowship." This purpose should serve as a guide against which we measure the achievements of our fraternity and of each of its chapters.

We should desire more chapters, not for the sake of size alone, but rather because more chapters at accredited schools will help us to further our worthwhile purposes. More chapters will mean a greater body of student and

professional engineers within Theta Tau ranks. More chapters will make inter-chapter activities simpler and thereby help to promote unity and to strengthen the fraternal bonds which bind all members together within the national Fraternity. And more chapters will provide increased revenue making possible extended, improved, and more efficient service through our national organization to each member, to each chapter, and to each alumni group.

As usual this December, the Convention will in large measure determine by its decisions the extent to which our Fraternity can move forward in the biennium ahead.

This Convention will be asked to direct the gradual consolidation of many central office record-keeping and routine administrative duties with one member appointed as Executive Secretary. If so this would implement the 1948 amendment to our Constitution establishing this position. Inherent in this suggestion is the necessity for regular stenographic assistance to augment this officer's effectiveness so that his duties could also include those duties currently assigned to the Travelling Secretary—extension, chapter liaison, and alumni activities.

This progressive proposal deserves the considered support of all Theta Taus.

ROBERT E. POPE



## Alumni News

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### Zeta Men Tops at Phillips Petroleum Company

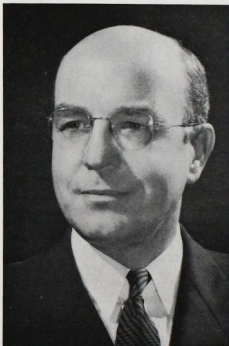
Two Zeta alumni hold top positions in Phillips Petroleum Company of Bartlesville, Oklahoma. They are Paul Endacott, Zeta '23, recently named vice chairman of the board of directors, and Stanley Learned, Zeta '24, who succeeded Brother Endacott as president.

Brother Endacott received the University of Kansas' first honor award in 1924. He was elected to Sigma Xi and Tau Beta Pi. He has served as president of the K. U. Alumni Association and in 1948 received its Distinguished Alumni Service Citation.

Brother Endacott began his career with Phillips in 1923 in the oil fields. In 1927, he went to Detroit to develop mass marketing methods for liquefied petroleum gases. He returned to Bartlesville in 1934 as director of sales research. In 1938 Brother Endacott became assistant to the executive vice president, and four months later, assistant to the president. In addition he served as vice chairman of the operating committee, and later as chairman.

In April, 1943 Brother Endacott became a vice president of Phillips, and in November of the same year he was made a director of the company and a member of the executive committee. In April, 1949 he became executive vice president and assistant to the president. Two years later, he was elected president of the company. Brother Endacott became vice chairman of the board on April 24, 1962.

Brother Endacott is a director of the local Chamber of Commerce and the First National Bank in Bartlesville; chairman and trustee of the Frank Phillips Foundation, Inc., a charitable organization; and a member of the board of trustees of the Univer-

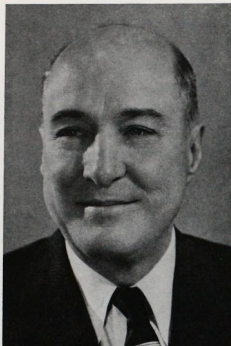


Paul Endacott

sity of Kansas Endowment Association. In 1962 the Order of DeMolay gave him its Legion of Honor Award.

He is a director of American Independent Oil Company, a member of the National Petroleum Council, and a director of the American Petroleum Institute. He is also a member of the Independent Petroleum Association of America, Independent Natural Gas Association of America, Mid-Continent Oil and Gas Association, and the





Stanley Learned

25-Year Club of the Petroleum Industry.

Brother Learned received his B.S. degree in civil engineering from the University of Kansas in 1924. He was elected to Tau Beta Pi and Sigma Xi there. He is the current national president of the K. U. Alumni Association.

He joined Phillips in 1924 in the engineering department, where he advanced to the position of chief engineer. In 1940 he

was appointed assistant manager of the products pipeline department. During 1942 and 1943, Brother Learned was manager of the defense plant engineering division, in charge of constructing the butadiene plant built near Borger, Texas as part of the government's wartime synthetic rubber program.

Brother Learned was appointed vice chairman of the Phillips operating committee in 1944. Six months later he became chairman of this committee. In 1949 he was elected a vice president, director, and member of the executive committee. He advanced to executive vice president and assistant to the president in 1951. Brother Learned was elected president of Phillips on April 24, 1962.

Brother Learned has served three terms as president of the Oklahoma Safety Council. He is a member of the board of directors of the National Safety Council, and a member of the Business Advisory Board of the President's Committee for Traffic Safety. He is chairman of the Business Advisory Committee of the National Association of Soil Conservation Districts. Brother Learned has served also as president of the Oklahoma Junior Chamber of Commerce, the Oklahoma Society of Professional Engineers, and the Bartlesville Chamber of Commerce.

He is a member of the American Petroleum Institute, Mid-Continent Oil and Gas Association, and Independent Natural Gas Association. He holds an associate membership in the Independent Petroleum Association of America.

## Robert E. Wooten is a Prominent Manufacturer

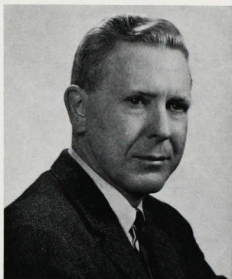
Robert E. Wooten, Rho '46, has been elected to the board of directors of the National Association of Hosiery Manufacturers. He is an officer and director of Browns Hosiery Mills, Inc., Browns Sales Corporation, Patent Hose Corporation, and Holder-Brown Corporation. In addition he has recently become interested in the manufacture of hand-made brick, and has set up a company for this purpose in Williams-

burg, Virginia. The company is named Colonial Brick of Williamsburg, Inc., and the bricks are sold under the program set up by the Williamsburg Restoration.

Brother Wooten is a member of the Burlington Rotary Club and the Episcopal Church, where he serves as a vestryman and church treasurer. He is an active member of the North Carolina State College Alumni Association.



## Dr. James T. Wilson Heads Michigan Institute



In February of this year Dr. James T. Wilson, Epsilon '35, was appointed acting director of the Institute of Science and Technology at the University of Michigan. Brother Wilson had been on the staff of the Department of Geology at Michigan since 1945, and served as its chairman from 1956 to 1960, when he was appointed associate director of the Institute.

The Institute of Science and Technology was established at the University of Michigan in 1959 to stimulate scientific education, research, and development throughout the state. The Institute has about 600 full-time research and supporting staff and included among its units are the University of Michigan Willow Run Laboratories, the Great Lakes Research Institute, and the Biophysics Research Center.

Brother Wilson has played a key role in developing the Institute's state-supported programs and in accelerating the integration of IST's large and diversified research activities at Willow Run with the University's activities as a whole. He has emphasized the role of research as a resource in graduate student development and as an integral, vital, and expanding part of the University's educational function.

Brother Wilson is a member of the American Geophysics Union, the Geological Society of America, the Royal Astronomical Society, the Seismological Society of America, Sigma Xi, Society of Exploration Geophysicists, and the Air Force Office of Scientific Research, Geophysics Advisory Committee. He is chairman of the National Academy of Science Committee on Seismological Stations.

## John M. Daniels, Jr. Initiated

Capt. John M. Daniels, Jr., son of Past Grand Regent John M. Daniels, was initiated into Theta Tau by Iota Chapter last spring. The senior Brother Daniels was present for the initiation, and was guest speaker at the initiation banquet. At the conclusion of the banquet he presented his Theta Tau badge to his son.

The new Brother Daniels is in the ROTC Department at Missouri School of Mines. He is a 1955 graduate of Carnegie Institute of Technology.



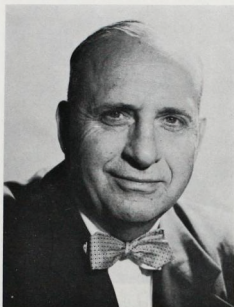
## Lute J. Parkinson Retired Last Summer

Prof. Lute J. Parkinson, Gamma '23, retired in August from his position as head of the Mining Engineering Department at the Colorado School of Mines. He had held the position since 1952, but has been in poor health for the past year.

Brother Parkinson spent the majority of his early professional engineering career in diamond mining. From 1936 to 1944 he served as assistant general manager of De-Beers Diamond Mines in South Africa; later he moved to South America, where he was general superintendent of Braden Copper and consultant to Anglo-Lautaro Nitrate Company in Chile. He has taken frequent trips to South America and Europe to consult with faculties of some of the world's leading mining colleges, and has lectured at more than a dozen foreign universities.

In 1950 Brother Parkinson received the Colorado School of Mines' Distinguished Achievement Medal, which is the highest honor the School may bestow upon a graduate. He is a member of Tau Beta Pi and Beta Theta Pi.

Brother Parkinson is currently a director of several mining firms and was consulting engineer for the Denver Water Board's Roberts Tunnel.



He planned to leave Golden to vacation in Europe before returning to South Africa, where his brother is general manager of the Rhodesia Chrome Mines, Ltd. Brother Parkinson will continue to work on a forthcoming book.

## Case Honors McCuskey and Persons

Case Institute of Technology has presented its Alumni Meritorious Service awards to two alumni of Delta Chapter. Receiving their awards at the May 24 All-Class Banquet at Case were Sidney W. McCuskey, Delta '29, and Wallace R. "Buck" Persons, Delta '31.

Brother McCuskey is head of the Department of Astronomy at Case. He was recognized for 32 years of outstanding teaching, contributions to scientific knowledge through research and writing, and

leadership in projecting methods of instruction and courses of study which have brought much recognition to Case.

After graduating from Case, Brother McCuskey went to MIT, where he received his master's degree in mathematics in 1930. The following autumn he returned to Case as an instructor in mathematics and astronomy. He later earned his doctorate in astronomy at Harvard. In 1937 he became an assistant professor at Case, in 1942, associate professor, and he became Kerr

Professor of Mathematics and Astronomy in 1945. Brother McCuskey was head of the Department of Mathematics for 14 years, until he became chairman of the Department of Astronomy and director of the Warner and Swasey Observatory and Nassau Astronomical Station in 1959.

Brother McCuskey is a member of Tau Beta Pi and Phi Kappa Psi. His research was recognized by the Sigma Xi Award in 1961, and later the same year he received the Case Achievement Award for his exceptional service to the Institute. He is

listed in *Who's Who in America*.

Brother Persons is president of Emerson Electric Manufacturing Company, St. Louis. [See the Spring 1962 *Gear*.] He received his award for his 30 years of continued and devoted interest in the Institute as an alumnus, for establishing and endowing through the Case Fund, the Wallace R. Persons Sr. Memorial Fund, for his leadership in the Case Fund and bequest programs, for his efforts in civic affairs, and for his many industrial and professional achievements.

## Daniel M. House Listed in Who's Who

Col. Daniel Murray House, Rho '33, has been recognized in *Who's Who in America* for the second time. This is attributed to his accomplishments in both civic and philanthropic areas, as well as to his association in private enterprise with Dr. Frank Stanton, president of the Columbia Broadcasting System.

Brother House is credited with founding the Armed Forces Radio Service in the early stages of World War II. This organization is still an important distribution media in radio and television in behalf of all U. S. troops overseas.

Last fall Brother House was called to active duty with the 100th Division stationed at Fort Chaffee, Arkansas. He expected to return to civilian life this fall. His home is at Jeffersonville, Indiana.



## Theodore H. Barrett Retired at Michigan Tech

Prof. Theodore H. Barrett, Theta '14, retired from the faculty of Michigan College of Mining and Technology on August 1. He was associate professor of civil engineering, and has been on the faculty for 13 years. On the campus he was active in the ASCE, the American Society for Engineering Education, the AIME, Chi Epsilon, and Michigan Tech Little Theatre;

he is a past president of the Faculty Association.

Brother Barrett received the E.M. degree from Columbia University in 1914. He is a licensed professional engineer in New York and Michigan, both in civil and mining engineering.

He was an instructor at Case Institute, spent several years in Turkey as associate

professor of civil engineering at Robert College, and taught one semester at Pratt Institute before coming to Michigan Tech in 1949.

In industry, Brother Barrett was an evaluation engineer with the Natural Resources Division, U. S. Bureau of Internal Revenue, and a sales engineer for Bucyrus Erie Company and Harnischfeger Corporation, both in Milwaukee, and for the Sawtooth Company of Boise, Idaho. He spent three years with the Saudi Arabian Mining Syndicate, Ltd., and two years as labor

supervisor for Johnson, Drake & Piper, Inc., in the construction of airports and bases in Anglo-Egyptian Sudan.

Brother Barrett worked on the Manhattan Project in its search for uranium in Colorado. He was a senior mining engineer and geologist with Union Mines Development Corporation, a statistical engineer with E. B. Badger & Sons, and a separations engineer for S. B. Pinik & Son.

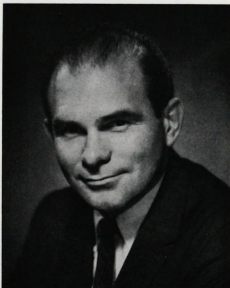
In retirement Brother Barrett expects to travel and looks forward to visiting with former students.

## John P. Koss Promoted by Carling

John P. Koss, Sigma '49, has been appointed to the newly created position of chief industrial engineer in the corporate production staff of the Carling Brewing Company. Brother Koss received his bachelor of industrial engineering degree in 1949 and his M.S. degree in 1950 from Ohio State University.

Before joining Carling, Brother Koss was associated with several consulting firms, including Booz, Allen and Hamilton, Albert Ramond and Associates, and H. K. Ferguson Company. He also has been associated with several national corporations, including International Business Machines and Diebold, Inc.

In World War II Brother Koss served with the U. S. Air Force in the Pacific Theater. He is a member of the AAAS, American Institute of Industrial Engineers, Ohio Society of Professional Engineers, and the Systems and Procedures Association.



## Robert J. Edwards is a Cleveland Contractor

Robert J. Edwards, Delta '25, is president of the National Engineering & Contracting Company, Cleveland, Ohio. The company is currently working on construction programs for Republic Steel and U. S. Steel and a number of highway projects.

Brother Edwards earned his bachelor's degree in metallurgy from Case in 1925. He was employed by the U. S. Steel Corporation, the H. K. Ferguson Company, the Van Sweringen Company, the Cuyahoga County engineer's office, and as division

engineer in the State Highway Department. He joined National in 1946. In 1951 he became chief engineer, then vice president, and in 1955 he became secretary in addition to vice president. Brother Edwards became president of the company in 1958.

He is active in the affairs of the First Baptist Church of Greater Cleveland, and

is chairman of the Cleveland Baptist Association's current drive for funds. He is a director of the Cleveland Builders Exchange, a committee chairman in the Ohio Contractors Association, a member and past president of the Chagrin Valley Country Club, a Rotarian, former Solon councilman, and a member of the University Club.

## George P. Bunn is Cities Service Officer

George P. Bunn, Jr., Zeta '40, has been named a vice president of Cities Service Petroleum Company, with headquarters in Bartlesville, Oklahoma. He has been vice president in charge of oil and gas operations for Columbian Carbon Company, a subsidiary of Cities Service. He will direct the consolidation of Columbian's oil and gas exploration and production and natural

gasoline operations into the Cities Service system. Exploration, production, natural gasoline, natural gas, and property acquisition divisions will report to Brother Bunn in his new capacity.

He is also a vice president and director of Columbian Fuel Corporation, Hydrocarbon Production Company, Inc., and Coltexo Corporation.

## Delta Alumni Work on Telstar Project

Two alumni of Delta Chapter were involved in the development of Telstar, the world's first private enterprise communications satellite, launched on July 10.

James W. Fitzwilliam, Delta '40, is director of the Electron Device Laboratory of Bell Telephone Laboratories. He was responsible for the development and design of the microwave tubes used in Telstar and the ground station at Andover, Maine. He was also in charge of the major portion of the mechanical engineering development, design, and testing of the Telstar. During much of his career, Brother Fitzwilliam has directed groups engaged in the develop-

ment of magnetrons, traveling wave tubes, and long-haul and short-haul microwave radio relay systems.

Robert W. Blackmore, Delta '40, coordinated the design and construction subcontract and supervised a portion of the design of the horn reflector antenna at Andover. His earlier work included the investigation of the electrical properties of nonmetallic materials for the Bell system and for military applications. Brother Blackmore has supervised many areas of mechanical design, including radar antennas, gun directors, Nike missile guidance sections, and transistorized digital computers.

### ATTENTION ALL MEMBERS OF THETA TAU

The Brown Hotel, Louisville, Kentucky, will be the headquarters for the Twenty-Fourth Biennial Convention of Theta Tau Fraternity, December 27 to 30, 1962. Plan to attend all or any part of the Convention.



# In Memoriam

FRANCIS W. ANDERSON, *Epsilon* '27, died on June 8, 1962, in Denver, Colorado after a brief illness. He was a prominent consulting mining geologist in Aspen, Colorado; his career took him and his family to most of the western United States, British Columbia, Missouri, Arkansas, and Tennessee. Brother Anderson was also a member of Pi Delta Epsilon and Beta Theta. He is survived by his wife, two children, and two grandchildren.

LAURENCE R. BRISSON, *Alpha* '25, died May 8, 1961.

COL. FRANK W. BRYANT, *Phi Honorary* '17, died September 24, 1961, in West Lafayette, Indiana. He was born in Indianapolis and taught school in Marion County when he was 18 years old. He was principal of the Boggstown school by the time he was 20. Brother Bryant graduated from Purdue University in 1917, and taught there after his service in World War I. In 1930 he became associated with Ross Gear and Tool Company in Lafayette, where he retired in 1955. Brother Bryant was a 51-year member of the Boy Scouts of America. He was the first in Indiana to receive the rank of Eagle Scout, and in 1934 he was director of mobilization for the first national Scout Jamboree at Washington, D. C. He held the same post at two other Jamborees. He received the Silver Beaver Award, the highest Scout award for an adult leader. Brother Bryant is survived by his wife, two daughters, two sisters, and five grandchildren.

JOHN CLARENCE BUENDING, *Alpha* '58, died recently.

THOMAS J. CLIFFORD, *Gamma* '21, died April 12, 1962. After graduating from Colorado School of Mines in 1921, he worked for five years with various mining companies, including three in Mexico, before joining St. Joseph Lead Company as a metallurgist in 1926. He served at most of St. Joe's divisions, including the Lead Belt mills and mines in southeast Missouri, the Herculaneum Smelting Division, and the Zinc Mining and Milling Division in northern New York. In 1936 he spent some time at the firm's operations in Argentina. Brother Clifford became general mill superintendent for St. Joe's mills in the Lead Belt in 1953 and remained in that capacity until his death. He is survived by his wife. (*Mines Magazine*)

JOHN CLARK DAVIS, *Zeta* '21, died August 2, 1961, in Kansas City, Missouri, after a long illness. He was 68. Brother Davis received his degree in electrical engineering from the University of Kansas in 1921. His university education was interrupted by two years of service in the Army during World War I. He was employed by the Kansas City Power and Light Company for 36 years. For many years he was assistant manager of engineering, then staff assistant of system operations, which included the supervision of system operating, meter and service, transportation, steam distribution, and building maintenance departments. He

designed many of the substations throughout the city and suburban areas which are still in use. Brother Davis was a member of Tau Beta Pi, a life member of AIEE, and a member of the Missouri Society of Professional Engineers, the Engineers Club of the Kansas City Power and Light Company, and the Engineers Club of Kansas City. He is survived by his wife, a son, three grandchildren, and four sisters.

QUAY S. DIVEN, *Epsilon* '21, died recently. He was employed by the Tidewater Oil Company.

DR. JAMES FISHER, *Beta Honorary* '90, died in June, 1962. He was secretary of the Alumni Association of Michigan College of Mining and Technology. Brother Fisher was one of Theta Tau's oldest members.

ALFRED M. FUNK, *Lambda* '27, died October 10, 1961.

ARTHUR LEO GALLAGHER, *Psi* '37, died October 7, 1961, at the age of 47. He was stricken after attending a Helena, Montana football game in which his son was a member of the team. After graduating from the Montana School of Mines, Brother Gallagher went to Helena in 1942, where he was employed as engineer-accountant for Eddy Bakeries, Inc., and supervising mining engineer for the Reconstruction Finance Corporation. He was appointed manager of the Elliston Lime Company in 1953 and held that position at the time of his death. Brother Gallagher was a Navy veteran, past president of the School of Mines Alumni Association and the Helena Serra Club, and was a professional engineer. He is survived by his wife, six children, his parents, two brothers, and one sister.

THOMAS H. GARNETT, *Gamma* '11, died August 15, 1962 in Boulder, Colorado. He was employed for over 35 years by New Jersey Zinc Company. He was a mine superintendent, a general superintendent of mines at the company's Galena, Illinois property, and he was in charge of service and maintenance at the Gilman, Colorado mine. Brother Garnett retired 15 years ago. He was a member of the Presbyterian Church, the Knights Templar, and the Colorado School of Mines Alumni Association. He is survived by his wife, a son, a sister, a brother, and four grandchildren. (*Mines Magazine*)

JACK ELLIS HAYNES, *Alpha* '08, died May 12, 1962, in Livingston, Montana. Brother Haynes was known as "Mr. Yellowstone" for his long career as official Yellowstone Park photographer. His father founded Haynes Inc., the oldest concession franchise in the National Park System, in 1883. Brother Haynes became president of the corporation in 1916. He was an expert photographer and an authority on the area. Many of his works were published, including *Haynes Guide to Yellowstone*. Brother Haynes was Editor of *The Gear* in 1913 and 1914. He was a member of Beta Theta Pi, Masons, Elks, and Rotary. He was an





Jack Ellis Haynes

accomplished violinist and played with the Minneapolis Symphony and other orchestras. In 1960 Montana State College awarded him an honorary doctorate. Brother Haynes is survived by his wife and a sister.

JAMES ARTHUR ISCA, *Alpha '58*, died recently.

WILLIAM LIGHTFOOT LAFFERTY, *Pi '35*, died August 22, 1962. He was a retired safety engineer and lived in Crozet, Virginia.

JOHN F. MYERS, *Gamma '13*, died February 16, 1962, in Tucson, Arizona. He retired in 1952 from the Tennessee Copper Company, a subsidiary of the Tennessee Corporation. Since then he had been a consulting engineer for the company. In 1949 Brother Myers received the Distinguished Achievement Award from the Colorado School of Mines, and in 1952 he was awarded the Robert H. Richards Award for outstanding contributions to improvements in mineral flotation and grinding techniques. He is survived by his wife and a son. (*Mines Magazine*)

ROBERT FREDERICK RISSE, *Delta '23*, died May 22, 1962. He received his B.S. in mechanical engineering from Case Institute of Technology in 1923. From 1924 to 1943 he was with the W. S. Tylor Company in Cleveland; from 1943 to 1957 he worked for Basic, Inc., manufacturers of steel furnace refractory lining material. From 1950 to 1957 Brother Risse was a part-time instructor of engineering drawing and descriptive geometry at Heidelberg College, Tiffin, Ohio. At the time of his death, Brother Risse was assistant professor in the Department of Engineering of Los Angeles State College, where he was interested in the establishment of a Theta Tau chapter. He was

the author of numerous articles in technical journals. Brother Risse was a member of Beta Alpha Psi, ASEE, and Masons. He was a registered professional engineer in Ohio. His wife survives.

THOMAS F. ROBINSON, *Mu '25*, died in 1959.

JOHN A. ROGERS, *Delta '60*, died recently.

R. MELVIN RUTLEDGE, *Zeta '22*, died May 4, 1962, at San Francisco, California. He was senior assistant director of the Federal Bureau of Roads, West Coast Region. He is survived by his wife, a son, a brother, and a sister. (*K.U. Alumni Magazine*)

HENRY G. SKAVLEM, *Gamma '10*, died March 24, 1962, at his home in State College, Pennsylvania. He graduated from Colorado School of Mines in 1910. Brother Skavlem was a longtime resident of Timmins and Schumacher in the Porcupine Gold Mining District of Ontario, where he participated in the development of the Hollinger and McIntyre mines. He was a mining engineer and later chief engineer of the McIntyre Mine from 1918 to 1957, when he retired. Brother Skavlem was a member of the Canadian Institute of Mining and Metallurgy, the Masonic Lodge, and Tau Beta Pi. He is survived by his wife, a daughter, and five grandchildren. (*Mines Magazine*)

ROBERT C. TABORS, *Delta '35*, was killed in the crash of a Continental Airlines jet in Missouri on May 22, 1962. He was president of Tectron Electronics Inc., Providence, Rhode Island, and was on a business trip from Chicago to Kansas City. After receiving his master's degree from Case Institute of Technology in 1937, Brother Tabors joined the Baldwin Southward Company as sales engineer. In 1951 he was appointed vice president in charge of the electronics and instrumentation division of the Baldwin-Lima-Hamilton Corporation in Waltham, Massachusetts. He joined Tectron Inc. in 1960 and was named to the presidency of Tectron Electronics, a subsidiary, less than a year ago. His wife and son survive. (*Case Alumnus*)

MORTON OWEN WITHEY, *Xi Honorary '04*, died December 11, 1961, in Madison, Wisconsin. He was dean emeritus of the College of Engineering of the University of Wisconsin. He received his B.S. degree in civil engineering at Dartmouth College in 1904 and the graduate degree in civil engineering in 1905. In 1905 Brother Withey came to the University of Wisconsin as instructor in mechanics. He became assistant professor in 1909, associate professor in 1915, professor in 1920, and after 12 years as chairman of the Department of Mechanics, he was appointed dean of the College of Engineering in July 1946, a post he held until his retirement in 1953. Brother Withey was the author of numerous papers and two textbooks. He was a member of Phi Beta Kappa, ASCE, the American Society for Testing Materials, the American Concrete Institute, the American Society for Engineering Education, the NSPE, the Wisconsin Society of Professional Engineers, and the Highway Research Board of the American Research Council. He received from the American Concrete Institute the Wason Medal

and the Turner Medal for distinguished research; from the Wisconsin Society of Professional Engineers and from the Wisconsin Utilities Association he received citations for services to the state, the University, and the profession of engineering; he was elected to honorary membership in Tau Beta Pi, Chi Epsilon, the Engineering Society of Milwaukee, the American Institute of Architects, and the American Concrete Institute. He served as a

member of the Board of Directors of the American Society for Testing Materials, as president of the American Concrete Institute, as president of the Wisconsin Society of Engineers, and as president of the Technical Club of Madison. After his retirement Brother Withey assumed new duties as campus coordinator for the International Cooperation Administration. He is survived by his wife and five children.

# Alumni Notes

## ALPHA CHAPTER

RUSSELL S. POOL, '27, is a sales engineer for Omtronics Manufacturing, Inc. in Minneapolis.

JAMES R. HEISING, '37, is chief engineer, Dhahran District, for the Arabian American Oil Company. He has been with the company for 15 years.

LLOYD A. DUSCHA, '45, is presently serving as chief, Engineering Branch, U. S. Army Corps of Engineers Ballistic Missile Construction Office, Minot, North Dakota.

CHARLES E. GORGAN, '62, is employed by Harnischfeger Corporation as a sales engineer, Industrial Division. He would like to hear from other Theta Taus in Milwaukee.

## BETA CHAPTER

LT. SCOTT S. COLLINS, JR., '61, recently completed the two-week chemical, biological, and radiological course conducted by the 101st Airborne Division at Fort Campbell, Kentucky. He is platoon leader in Company A of the division's 27th Engineer Battalion.

## GAMMA CHAPTER

THADDEUS H. ANDREWS, '17, retired in January after nearly 33 years of service with Pan American Petroleum Corporation. He was assistant division production superintendent for the North Texas-New Mexico division. Brother Andrews is a member of the Petroleum Engineers Club of Fort Worth, the Fort Worth Petroleum Club, Beta Theta Pi, and the Masons. He will continue to live in Fort Worth.

GEORGE H. ALLEN, '27, lived to tell of a frustrating and trying six-day stay in the Utah desert in September 1961. His car became stuck on a seldom traveled "road" while he was en route to a remote potato development of Texas Gulf Sulphur Company out of Moab, Utah. During his time in the desert he lived on cookies, grapes, two candy bars, and peppermints, plus stagnant water. He was helped back to town by a member of a party of Texas Tech graduate students who happened along. Brother Allen gave a fascinating account of his experiences to the Intermountain Alumni Association last year.

MARK T. GILKISON, '36, has been elected a member of the Executive Committee of the American Supply and Machinery Manufacturers' Association, Inc. He is vice president of the Gates Rubber Company Sales Division, Inc., Denver, Colorado.

RAY GOVETT, '51, is a geologist with Sunray DX Oil Company.

JOHN A. CHRISTIANS, '58, was honored recently for his work at the U. S. Army Engineer Research and Development Laboratories, Fort Belvoir, Virginia. He received a Department of the Army certificate for "outstanding" performance of his duties as an engineer in the Petroleum Equipment Branch.

FRANKLIN D. COFFMAN, '61, Tau Beta Pi Fellow No. 147, worked for Aerojet-General Corporation last summer. This year he has a research assistantship at the Carnegie Institute of Technology. Brother Coffman hopes to receive his Ph.D. in 1965.

## DELTA CHAPTER

CARL GANZENMUELLER, '17, is secretary and treasurer of Arthur G. McKee & Company in Cleveland, Ohio. He formerly was secretary and assistant treasurer.

WADE DILL, '31, is head of Brookpark Buildings Inc., Cleveland, Ohio. His company has held the Butler Manufacturing Company franchise since 1951.

NYAL W. DEEMS, '41, is the new city manager of Marshall, Michigan. He was formerly director of public works for Seal Beach, California. Brother Deems is a member of Toastmasters International, ASCE, SAME, and American Road Builders Association. He received his M.S. degree in public administration from New York University in 1960 and is nearing completion of work for a doctorate at the University of California.

CHARLES B. SMALL, '45, was recently appointed manager of engineering for the Ridge Tool Company, Elyria, Ohio. He supervises new product development. Brother Small is a registered professional engineer in Ohio and a member of the Society of Automotive Engineers.

## EPSILON CHAPTER

JACK VAN WYKE, '35, has taken a position with Consumers Cooperative Association-National Refinery Association Division in Prairie Village, Kansas. He formerly was Canadian Division manager for Honolulu Oil Corporation.

GEORGE F. LARSEN, '42, is assistant district manager, Abate District, for the Arabian American Oil Company. He has been with the company for 15 years.

T. C. LANDRETH, JR., '47, joined Pan American Petroleum Corporation as a senior staff engineer in Calgary, Alberta, Canada. He formerly was with Honolulu Oil Corporation.

## ZETA CHAPTER

GLENN L. ALT, '16, was installed as the Grand Master of Michigan Masons in May. He is professor of civil engineering at the University of Michigan; he has been teaching for 44 years.

GEORGE SMEE, '17, retired from the city engineering department of Denver on January 1, 1962.

GEORGE H. YEOKUM, '17, attended the 50th anniversary reunion of his high school class in Oklahoma City.

CHARLES L. SHUGHART, '18, retired from the superintendency of the DeSoto, Kansas, schools on July 1, 1961.

HAROLD D. HERNDON, '25, is president of Saltmount Oil Company, on the board of directors of the San Antonio branch of the Dallas Federal Reserve Bank, is a trustee of TCU, and is president of the Alamo Council Boy Scouts of America.

DEAN A. MCGEE, '26, is a new member of the board of directors of General Electric. He is president of Kerr-McGee Oil Industries, Oklahoma City, Oklahoma.

ALONZO C. SLUSS, '27, is project engineer for J. B. Ehrsam & Sons Manufacturing Company in Enterprise, Kansas.

C. FRANK VIRR, '28, is a member of the Professional Engineers in Government Committee of NSPE. He is with the Kansas Highway Commission.

CHARLES W. CLUTZ, '33, was promoted to superintendent of manufacturing engineering, apparatus and optical division, at Eastman Kodak in Rochester, New York.

PAUL BOREL, '34, is with the Central Intelligence Agency in Washington, D. C. His home is in Falls Church, Virginia.

LLOYD CHRISTIANSON, '35, joined with 10 Army buddies in 1945 to form Electronics Associates, Inc. With Brother Christianson as president, EAI has grown from a capitalization of \$15,000 to an organization of 1,000 with \$16,000,000 in assets. More than 70 percent of the general purpose analog computers now in use are products of EAI.

DR. JOHN S. MCNOWN, Honorary '36, dean of K.U.'s School of Engineering, has been conducting a study of how members of the Mid-America State University Association might aid engineering education in Africa. His study included a trip to Africa to gain information about African engineering education.

HERMAN A. JANZEN, '39, is now director of the Johnson County, Kansas, health department with office at Olathe, Kansas. He spent several years with the Kansas City-Wyandotte County Health Department. Brother Janzen has also moved to the top of the Kansas Public Health Association.

DEAN F. SMALLEY, '46, is assistant manager of Colonial Pipe Line Company's central division. Headquarters are in Atlanta. Brother Smalley formerly was division superintendent for Cities Service Pipe Line Company in Bartlesville, Oklahoma.

GLEN BEAUCHAMP, '52, a Marine Corps captain, is with the Military Assistance Command in Saigon, Viet-Nam. His wife and sons are in the States.

V. RONNALD HAUGHT, '55, is the operating foreman at the catalytic reforming unit and the absorption and stabilization unit at Cities Service Petroleum Company's East Chicago, Indiana refinery.

LEROY FELZIE, '56, has been transferred to Wellington, Kansas, where he is a wire chief for Southwestern Bell Telephone Company.

DAVID (ACE) BROWN, '57, is with the Patent Office in Washington, D. C., working with applications for patents in the oil industry. He formerly was with Pan American in Texas and served with the Air Force in Germany.

RONALD K. KENDRICK, '57, is in the implement business at Johnson, Kansas. He has three children.

DAVID H. STOLTENBERG, '61, completed work for an M.S. degree in environmental health engineering at K.U. in July, 1962. He is presently employed by the U. S. Public Health Service, Delaware Estuary Comprehensive Study, Philadelphia, Pennsylvania.

## IOTA CHAPTER

HAROLD G. BUTZER, '47, is president of Harold G. Butzer Inc., mechanical contractors, and a member of the City Council in Jefferson City, Missouri.

LT. COL. WILLIAM C. MCMILLAN, '48, attended the 26th associate course at the Command and General Staff College, Fort Leavenworth, Kansas. The course is designed to prepare select officers from all components of the Army for duty as commanders and general staff officers. Brother McMillan received his master's degree in mechanical engineering in 1952 from Purdue University.

## THE GEAR OF THETA TAU

CAPT. JOE E. GRAY, '54, is with the Corps of Engineers Topographic Training Team in the desert southeast of Tehran, Iran. The unit is in the process of surveying for vertical and horizontal control in the production of maps of Iran for the Army Map Service. Brother Gray is assigned to the aviation platoon and is flying a helicopter in support of the operation.

LT. RICHARD R. KAPPER, '61, has completed the microwave radio officer course at the Signal School, Fort Monmouth, New Jersey.

LT. MICHAEL C. KEARNEY, '61, recently completed the week-long airborne course at the Infantry School, Fort Benning, Georgia. Before entering the Army, Brother Kearney was an electrical engineer with the National Lead Company in St. Louis.

### LAMBDA CHAPTER

EDWARD J. WATTS, '36, is branch manager of the Worthington Corporation in Salt Lake City, Utah.

CAPT. CHARLES D. MARTIN, '50, recently participated in the week-long Fifth U. S. Army Rifle and Pistol Matches at Fort Riley, Kansas. Brother Martin is assigned to the Ordnance Ammunition Command in Joliet, Illinois.

### MU CHAPTER

F. LAWRENCE DAVIS, '22, a charter member of Mu, returned to the University of Alabama campus in June for the 40th Anniversary reunion luncheon. Brother Davis was president of the "Castle Club" which became Mu Chapter.

REESE E. MALLETT, '22, also a charter member, attended the 40th Anniversary reunion luncheon at the University of Alabama during commencement exercises in June.

JOHN J. PATTON, '22, is the president and principal owner of Packaging Machinery Company, Inc., manufacturers of material handling equipment. His home is in Montgomery, Alabama.

JAMES H. WINGARD, '22, a charter member, has retired from the Department of the Army, Fort Knox, Kentucky, after more than 30 years of service. He was deputy engineer supervising planning, engineering, maintenance, and construction. He is living in Bradenton, Florida.

MARSHALL P. ANDERSON, '23, is vice president of Brown and Root, Inc., in Houston, Texas.

FRED D. DEVANEY, '23, is the director of metallurgy and research for Pickands Mather and Company in Duluth, Minnesota.

THOMAS W. NEWTON, '23, is self-employed in Washington, D. C.

ROBERT B. DUGGER, '24, has retired from Shell Oil Company. He lives in Paso Robles, California.

C. G. FARABEE, '24, is district sales manager of Armco Steel Corporation in Atlanta, Georgia.

JESS O. LONG, '26, is the head of the Technical Services Division of the U. S. Navy Electronics Laboratory in La Jolla, California.

JOHN W. PEEERSON, '26, operates his own consulting engineering firm in Chattanooga, Tennessee.

ROBERT H. BAUGH, '27, is employed in the Sales Department of the Inorganic Division of Monsanto Chemical Company. He lives in Warson Woods, Missouri.

CHARLES P. ALMON, JR., '28, is director of Power System Operations for the Tennessee Valley Authority in Chattanooga, Tennessee.

MERRILL M. BROYLES, '28, is employed by Bethlehem Steel Company in Bethlehem, Pennsylvania.

JACK J. CLARKSON, '28, is general manager of the Specialty Motor Department of General Electric. He lives in Fort Wayne, Indiana.

CHARLES N. GAYLORD, Honorary '30, is chairman of the Civil Engineering Department at the University of Virginia, Charlottesville, Virginia.

JAMES B. ESTABROOK, '31, is the president of Estabrook Motor Company in Pascagoula, Mississippi.

DOUGLAS C. BREWER, '33, is in the real estate business in Bristol, Tennessee.

G. S. MABREY, '33, is director of research of the Southern Kraft Division of International Paper Company in Mobile, Alabama.

WILLIAM B. TANNER, '33, is chief of the Research Center at the U. S. Army Engineer Waterways Experiment Station in Vicksburg, Mississippi.

PAUL A. BARATTINI, '34, is a structural designer for M. W. Kellogg Company in New York City.

HOWARD W. LUKEB, '34, is an operations analyst for the Air Force. He lives in Arlington, Virginia.

NORMAN J. CAMPBELL, '35, is vice president of Burlington Hosiery Company (Burlington Industries, Inc.), Greensboro, North Carolina.

PETER G. DEFazio, '35, is the director of engineering of the National Lead Company of Ohio. He lives in Cincinnati, Ohio.

THOMAS E. MURPHY, '35, is chief of the Hydraulic Structures Section of the U. S. Army Engineer Waterways Experiment Station in Vicksburg, Mississippi.

WILL H. TRAMMELL, '35, lives in Atlanta, Georgia, and is employed by Lockheed Aircraft Corporation.

CLIFFORD B. BENHAM, '38, is the chief transmission engineer for the Florida Power Corporation in St. Petersburg, Florida.

WILLIAM FRANK COBB, JR., '39, is the president of Bankhead Mining Company, Inc., producers of domestic and steam coals in Jasper, Alabama.

WILLIAM J. LUCAS, '39, is an electrical engineer and designer for General Cable. He lives in South Amboy, New Jersey.

FRANCIS CHARLES, '40, is plant manager of the Linden, New Jersey plant of General Aniline Film Corporation.

EARL D. MAURER, '40, is a project superintendent with Johnson Drake and Piper, Inc. He lives in Clarence, New York.

BEAL M. TEAGUE, '40, is employed by the Martin Company as a principal engineer in Denver, Colorado.

CLINTON W. ADAMS, JR., '41, is technical manager of tread rubber and repair material development for the B. F. Goodrich Tire Company. His home is in Cuyahoga Falls, Ohio.

FRANK E. BUNCE, '41, is a structural engineer with Grumman Aircraft. He lives in Huntington, New York.

EDGAR H. ROGERS, '41, is a supervisory mechanical engineer for the U. S. Army Corps of Engineers in Mobile, Alabama.

FRANK S. CHUDY, '42, is general supervisor of the Rod and Wire Mill of Bridgeport Brass Company, a division of National Distillers. He lives in Trumbull, Connecticut.

JACK B. EDMONDS, '42, is a district manager for the Okonite Company in Bellaire, Texas.

ELON E. ELLIS, '42, is the vice president of Timber Structures, Inc., in Portland, Oregon.

HOLT RAST, '42, has won the Democratic nomination for re-election to the Alabama House of Representatives from Jefferson County.

WILLIAM L. WALL, JR., '42, is an engineer with Alabama Power Company in Birmingham, Alabama. He is a registered professional engineer in Alabama.

HAROLD A. JOHNSON, '43, is the vice president of engineering of Photon, Inc. He lives in Norwood, Massachusetts.

MILTON ABBAZIA, '44, is chief engineer of the California Electric Construction Company. His home is in Reseda, California.

PAUL COMISAROW, '44, is employed as operations research analyst and project manager by the Federal Aviation Agency (Research Division), Atlantic City, New Jersey. He was formerly employed as operations research analyst by the Air Warfare Research Department, U. S. Naval Development Center, Johnsville, Pennsylvania. Brother Comisarow is a registered professional engineer in the District of Columbia.

JAMES L. EDMONDSON, '44, is an operations research analyst in the Combat Requirements Branch of the Future Missile Systems Division of the Army Ordnance Missile Command in Huntsville, Alabama.

FRANK G. TOMPKINS, '44, is an engineering section head with Goodyear Aircraft Corporation. His home is in Cuyahoga Falls, Ohio.

VINCENT LAURIA, '45, is the chief industrial engineer for the AirBorne Instrument Laboratory Division of Cutler-Hammer in Deer Park, New York.

MURRY MASEL, '45, is a manufacturers' representative in Miami, Florida.

J. LEITH POTTER, '45, is the manager of the Research Branch of ARO in Tullahoma, Tennessee.

WILLIAM E. BESS, '46, is self-employed in Lafayette, Louisiana.

HOWARD D. BURNS, '46, is employed by NASA in Huntsville as chief of the Systems Integration and Evaluation Office of the Office of Manned Space Flight.

JAMES E. KIZZIRE, '46, is an assistant division manager for the Mississippi Power Company in Gulfport.

DOUGLAS BOOTH, '47, is assistant to the vice president for retail operations of the Duke Power Company, Charlotte, North Carolina.

PAUL C. GREENLEE, '47, is an operations research scientist with Lockheed Aircraft.

LESLIE C. LONGSHORE, JR., '47, is an assistant professor of English and varsity tennis coach at Clemson College in South Carolina.

CHARLES A. SIFE, '47, is superintendent of construction of Bays Mountain Construction Company in Kingsport, Tennessee.

FRANK M. BUTLER, JR., '48, is an amateur radio "ham" who would like to hear from other Theta Taus. His home is in Fort Walton Beach, Florida.

HARRY L. GOGAN, '48, is the chief of the Plans and Programs Division of the Test Directorate at the Air Force Special Weapons Center at Albuquerque, New Mexico.

LOUIS R. HOVATER, '48, is vice president of Glove Linings, Inc., specialists in flexible asphalt and polyvinyl plastic linings for water and sewage facilities. His home is in Palos Verdes Peninsula, California.

VICTOR S. MUSICK, '48, is a development engineer with General Electric Company. He lives in Scotia, New York.

MARVIN WALLACE, '48, is a division engineer with Phillips Petroleum Company in Decatur, Georgia.

CHARLIE F. WEED, '48, is a senior engineer with Reynolds Metals Company in Phoenix, Arizona.

FLETCHER F. YOUNG, '48, is the senior equipment engineer at the Corning Glass Works Optical Plant in Harrodsburg, Kentucky, where optical and ophthalmic glass and radiation shielding windows are manufactured.



WADE BLACKMAN, '49, is chief of the Rocket and Air-Breathing Propulsion Research Labs of United Aircraft Corporation. His home is in Manchester, Connecticut.

ROBERT L. JONES, JR., '49, is an associate engineer with C. D. Williams and Associates, consulting engineers in Augusta, Georgia.

MAJOR THOMAS U. McELMURRY, '49, has been reassigned to Edwards AFB, California, following his graduation from the Armed Forces Staff College in Norfolk, Virginia.

CLAUDE H. SMITH, '49, is employed by the Tennessee Valley Authority as a civil engineer. He lives in Guntersville, Alabama.

RICHARD H. WALL, '49, is the director of engineering of the Thiokol Chemical Corporation in Huntsville, Alabama.

REMO CARBONI, '50, is employed by the U. S. Naval Air Research and Development Center in Johnsville, Pennsylvania, as an aeronautical engineer.

JAMES B. CARR, '50, is a specialist (production control) for the Lamp Division of General Electric. He lives in Cleveland, Ohio.

ARTHUR J. KARANIAN, '50, is a research engineer with the United Aircraft Corporation in Hartford, Connecticut.

WILLIAM D. MURPHREE, '50, is employed by NASA at the George C. Marshall Space Flight Center, Huntsville, Alabama.

DALLAS N. VICKERS, '50, is employed by Thiokol Chemical Corporation at Redstone Arsenal in Huntsville, Alabama.

MAJOR HAROLD L. BAKER, '51, is a development project officer with the U. S. Army. He is presently stationed in England.

JAMES R. BROWN, JR., '51, is a field engineer with R. M. Thompson Company in Clearwater, Florida.

WILLIAM TED BRYAN, '51, is superintendent-district manager, sales for the St. Louis-San Francisco Railway Company in Enid, Oklahoma.

W. HERMAN CARTER, '51, is employed by the Bureau of Public Works of the U. S. Department of Commerce as an area engineer responsible for the administration of federal aid projects in a 35-county area of Georgia. He lives in Atlanta, Georgia.

HENRY M. McCracken, '51, attended the Southern Regional Conference of Theta Tau. His home is in Meridian, Mississippi.

EDMOND D. MESSER, '51, is staff assistant to the director of the Light and Medium Vehicle Office at the Marshall Space Flight Center of NASA in Huntsville, Alabama.

ROBERT A. MILNER, JR., '51, is employed at the Marshall Space Flight Center as a supervisory aerospace technologist in the Electrical Systems

Integration Branch. His home is in Huntsville, Alabama.

RICHARD C. ASKER, '52, has changed his name from Askerbloom. He is a reliability engineer with General Dynamics/Astronics in San Diego, California.

JOHN H. BEYER, '52, is a process engineer for the Buckeye Cellulose Corporation, Memphis, Tennessee.

FRANK L. BOYD, '52, is an associate in J. P. Baskin Associates, engineers and surveyors in Rome, Georgia.

HERBERT C. KIESLING, '52, is a product line manager of special projects for the Kollsman Instrument Company. His home is in Garden City, New York.

GERALD S. ODOM, '52, is a regional engineer with the American Institute of Steel Construction in Birmingham, Alabama.

DAVID E. BLACKWOOD, '53, is employed by AiResearch Manufacturing Company in Phoenix, Arizona.

STEVE H. FINCH, '53, graduated from Emory Law School in June 1961. He is employed by Texas Gas Transmission Corporation in Owensboro, Kentucky.

ALFRED J. SALIBA, '53, is the manager of the Saliba Realty Company, Dothan, Alabama.

JEAN L. WEED, '53, is a special agent for the United States Fidelity and Guaranty Company, Mobile, Alabama.

JOHN R. ALFORD, '54, is a group engineer with the Orlando Division of the Martin Company, Orlando, Florida.

JOHN D. COLLINS, '54, is a project leader in the Research Department of the International Paper Company in Mobile, Alabama.

JOHN T. WHEELER, '54, is working for NASA in Huntsville, Alabama.

ROBERT S. WRIGHT, '54, is a sanitary engineer with the Florida State Board of Health, Jacksonville, Florida.

KURT I. ALTMAN, '55, is a sales engineer for Pella Products. His home is in West Orange, New Jersey.

BENJAMIN C. BRADLEY, '55, is a development engineer with the TCI Division of U. S. Steel Corporation in Birmingham, Alabama.

ROY R. BROWDER, '55, is employed by the Department of the Air Force as a civil engineer at Maxwell Air Force Base. He lives in Montgomery, Alabama.

FRANCIS W. JACKSON, '55 is the administrative assistant to the division superintendent of Tennessee Eastman Company, a division of Eastman Kodak. His home is in Kingsport, Tennessee.

## FALL 1962

LEE J. STYSLINGER, '55, is the president of Altec Incorporated, manufacturers and distributors of utility bodies and equipment in Birmingham, Alabama.

ROBERT S. KULP, '55, is an assistant project engineer with Pratt and Whitney Aircraft Company. His home is in Rockfall, Connecticut.

LT. KARLHEINZ O. BALL, '57, is a project administrator on the Minuteman program. This fall he planned to begin work on a Ph.D. in astronautics at the University of Southern California.

JERRY C. BATES, '57, is employed by the Minneapolis-Honeywell Regulator Company as a senior engineer in the Space Missile Systems Division. He lives in Minneapolis, Minnesota.

JAMES O. BIDDLE, '57, is employed by R. G. Foster and Company in Wadley, Georgia.

WILLIAM N. CAUDLE, '57, is working for the Sandia Corporation, Albuquerque, New Mexico.

GEORGE W. DOUGLAS, JR., '57, is working on his Ph.D. at the State University of Iowa.

MICHAEL A. GIBBS, '57, is changing his name from Gibelman. He is vice president of Cameras for Industry, Inc., designers and manufacturers of security and surveillance camera systems in New York City.

CHARLES W. HELMS, '57, is employed as an aerodynamicist at the Santa Monica division of Douglas Aircraft Company.

RALPH M. LEWIS, '57, is a senior chemical engineer with Texaco, Inc. His home is in Nederland, Texas.

JOE M. MCKEE, '57, is employed by Rexall Chemicals Company as a senior project engineer in Los Angeles, California.

THOMAS S. MOORE, '57, is an instructor in the Naval Test Pilot School. He lives in Lexington Park, Maryland.

CHARLES R. WELLS, '57, is employed by General Dynamics as a structures engineer in Fort Worth, Texas.

BENJAMIN B. BATSON, '58, is employed by NASA in the Manufacturing Engineering Division, Huntsville, Alabama.

RICHARD W. BEASON, '58, is a first lieutenant in the U. S. Marine Corps on the USS *Topeka*.

LT. CHARLES K. BEAUCHAMP, JR., '58, is a pilot and aircraft commander in a Lockheed C-130.

FRANK H. BROOME, '58, is a development engineer with Union Carbide Nuclear, Oak Ridge, Tennessee.

JAMES A. BRYANT, JR., '58, is a senior design engineer with the Martin Company, Orlando, Florida.

GEORGE R. DIGIORGIO, '58, is employed by the Chicago Bridge and Iron Company as a design engineer in Birmingham, Alabama.

ANTHONY D. GREGOIRE, '58, is employed by Boeing in Seattle, Washington.

DON L. GRIFFIN, '58, is working for Douglas Aircraft in Santa Monica, California.

CLARENCE E. HERREN, '58, is an engineer of construction with the TCI Division of the U. S. Steel Corporation. He lives in Hueytown, Alabama.

FRANK J. MCGIBBONEY, '58, is the supervisor of industrial engineering of the Ecusta Paper Operations of Olin Mathieson Chemical Corporation in Pisgah Forest, North Carolina.

JOHN G. PERUGIN, '58, is a structural engineer for Brown Engineering Company, Huntsville, Alabama.

JAMES SWEENEY, '58, has been moving around the country on the Atlas missile program. He recently accepted employment with the Air Force Special Weapons Center at Kirtland AFB, New Mexico, as the Atlas Weapon System project engineer.

ARNOLD M. BLAIR, '59, is the purchasing agent of Guardian Tilden Corporation. His home is in Great Neck, New York.

ROBERT B. CARDY, '59, is employed by ARO, Inc., as an instrumentation engineer in Tullahoma, Tennessee.

KENNETH E. HARWELL, '59, is completing requirements for the Ph.D. degree at the California Institute of Technology, Pasadena, California.

DANIEL J. STEWART, '59, is an assistant bridge engineer with the California Division of Highways. He lives in San Gabriel, California.

WILLIAM J. STONE, '59, is a graduate student in aerospace engineering at the University of Alabama. He married Miss Virginia Junkin on April 19, 1962.

JOSEPH A. ADAMS, '60, is chief engineer of the Ideal Forging Company, Southington, Connecticut.

DONALD T. COMER, '60, is employed by B. F. Goodrich as a job evaluation assistant in Akron, Ohio.

JAMES K. HOLLINGSHEAD, '60, is an engineer with Bethlehem Steel Corporation. He lives in Hellertown, Pennsylvania.

JOSH D. JOHNSON, '60, is employed by NASA at the Langley Research Center, Hampton, Virginia.

W. PAUL LYNCH, '60, is a manufacturing engineer in the Production Test Engineering Section of the Martin Company, Orlando, Florida.

ARNER E. MCCASKEY, '60, is a design engineer with Collins Radio Company in Dallas, Texas.

MAX E. ROSENTHAL, '60, is employed by Hughes Aircraft and completing his work for the M.S. in engineering degree at UCLA. He lives in Venice, California.

FRED E. ARMSTRONG, '61, is a sales representative of the Trane Company. He lives in Birmingham, Alabama.

CLARENCE A. BLACKWELL, '61, is with Bell Telephone Laboratory, Murray Hill, New Jersey, and is working on his master's degree.

ISAAC P. ESPY, '61, is now doing graduate work in civil engineering and also serving as a part-time instructor at the University of Alabama.

ROBERT K. HELMS, '61, is employed by Texaco at Houma, Louisiana.

RALPH C. NEELY, '61, has graduated from the Naval Officer Candidate School, Newport, Rhode Island, and was commissioned an ensign in the Civil Engineer Corps. He is temporarily stationed at Port Hueneme, California.

LEWIS E. RAYFIELD, JR., '61, is a graduate student in the Department of Engineering Mechanics at the University of Alabama.

CARL P. HESSELBACH, '62, is enrolled in Graduate School at the University of Alabama.

WALTER L. RANDOLPH, JR., '62, is a sales trainee with IBM in Mobile, Alabama, after completing their systems training course in Baltimore, Maryland.

## NU CHAPTER

WILLIAM J. HAGENLOCHER, '32, has been elected governor of District 665 of Rotary. He is employed as a field engineer with the Portland Cement Association. Brother Hagenlocher is a registered professional engineer in Ohio and a member of NSPE. He is an elder of the Zion United Church of Christ, a trustee of the North Canton Library, and a member of the North Canton Area Chamber of Commerce.

## XI CHAPTER

CHARLES W. MARSHALL, '53, is with Battelle Memorial Institute, Columbus, Ohio.

RONALD S. NELSON, '54, is a reliability engineer for an aerospace firm in Los Angeles. He is a radio ham and can be found on 3995KC. as WA6CXQ.

## OMICRON CHAPTER

HUBER CROFT, Honorary '18, has retired as dean of the College of Engineering of the University of Missouri. He will continue as a professor of mechanical engineering. Brother Croft is a member of the Engineers' Club of St. Louis and a Fellow of ASME. He was honored at a testimonial dinner during the St. Pat's week program when an oil portrait was presented to the University.

JOHN S. PERRY, '37, is a sales engineer for Wallace & Tiernan, Inc., Equipment Division, Detroit Area. He is the proud wearer of a 25-year pin and watch.

LELAND M. HAUSLER, '44, is plant superintendent of the Big Rock Point Nuclear Plant at Charlevoix, Michigan. He had extensive training for the position and holds an Atomic Energy Commission operator's license. He joined Consumers Power in 1948 and previously served at the Justin R. Whiting and B. C. Cobb plants.

JOHN H. RUMP, '59, had a busy month in July. He was promoted by his employer, moved to a new house, and added a fifth child to his family. He lives in Weatogue, Connecticut.

## PI CHAPTER

V. A. SHRINER, JR., '48, was married on September 8 to the former Mrs. JoAnn Johnson. They are living in Clifton Forge, Virginia, where he is district engineer for VEPCO.

LT. DONALD W. HENDERSON, '50, has been assigned to Holloman AFB, New Mexico. He is a research and development engineer.

## RHO CHAPTER

WILLIAM S. JOHNSON, '42, recently joined the Chrysler Corporation Space Division as supervisor of the Loads and Dynamics Group. His present job is the C-1 Saturn Booster. He lives in New Orleans, Louisiana.

## SIGMA CHAPTER

ANTONIO FISCARELLI, '53, has returned to Ohio Bell Telephone Company, General Engineering Department, after completing an 18-month training program at Bell Telephone Laboratories. He has three children and lives in Columbus, Ohio.

## TAU CHAPTER

LT. ROBERT C. LIMBURG, '57, participated in the recent successful launch of an Atlas intercontinental ballistic missile from Vandenberg AFB, California. He is an Air Force electronics officer.

## UPSILON CHAPTER

JAMES W. SLAYDEN, '38, has transferred to Fort Worth, Texas with the Corps of Engineers. He had been in Little Rock, Arkansas since 1941.

COMMANDER WILLIAM F. RUSSELL, '49, is the commanding officer of the U. S. Naval Schools, Construction at Port Hueneme, California. This is the "Seabee College."

EDWARD GAMMILL, '50, is a project engineer with AiResearch Manufacturing Company. His family consists of a wife and two sons.

WILLIAM E. SHOOK, '50, has been promoted by the Data Processing Division of IBM to the position of district customer engineering manager with headquarters in Minneapolis. He will coordinate the activities of 12 branch offices. He formerly was customer engineering operations assistant for IBM's Midwestern Region.

N. T. RICHMOND, '51, is production planning supervisor at duPont's Waynesboro, Virginia Textile Fibers Plant.

LT. BOBBY L. WILSON, '61, has completed the officer orientation course at the Air Defense School, Fort Bliss, Texas.

LT. GLEN D. WILSON, '61, has entered Air Force pilot training at Reese AFB, Texas. He entered the Air Force in June after graduating from the Air Force Academy.

LT. PHILIP A. SELIG, '62, has completed the field artillery officer orientation course at the Army Artillery and Missile Center, Fort Sill, Oklahoma. He entered the Army last March.

### PHI CHAPTER

JAMES M. CARMAN, '53, is assistant professor of business administration at the University of California, Berkeley.

DAVID B. NELSON, '53, is supervisor of Monsanto Chemical's new Phthalic Anhydride Plant at Bridgeport, New Jersey. He and his wife have two children.

MAURICE R. HALSEY, '55, is an associate systems engineer—scientific for IBM. He is the father of three daughters.

EARL C. RUBY, JR., '56, has been promoted to captain in the U. S. Air Force at Bergstrom AFB, Texas. He is an electronic warfare officer in the 335th Bomb Squadron.

JAMES N. DRESSER, '59, completed his Army active duty in May. He is employed as a systems engineer by Howard Research Corporation, Arlington, Virginia. He was married in June to Miss Patricia S. Horne of Richmond, Virginia.

LT. DAVID A. PFAFF, '61, was assigned to a communications officer course at Keesler AFB, Mississippi. Following his graduation, he was to report to Selfridge AFB, Michigan, for duty.

LT. J. H. ANDREWS, '62, has been assigned to Bunker Hill AFB as officer in charge of the O.M.S. Inspection Branch, which is responsible for periodic inspections of the B-58's, KC-135's, and base flight aircraft. His home is in Peru, Indiana.

### CHI CHAPTER

DAVID D. RABB, '37, authored an article, "The Engineer and the Atom Today," in the September 1962 issue of *American Engineer*. He is a mining engineer at Lawrence Radiation Laboratory, University of California, Livermore, California. Brother Rabb is a registered professional engineer in Ohio and a member of Tau Beta Pi and Sigma Xi. Previously he did research at Battelle Memorial Institute, Columbus, Ohio, and served five years in the Army.

A. JAY MEDFORD, '39, has been promoted to the position of regional planning and research engineer, Bureau of Public Roads, with headquarters at Homewood, Illinois. The states of Illinois,

Indiana, Wisconsin, Michigan, and Kentucky are included.

REECE J. DUNAWAY, '43, is working for AirResearch Manufacturing Company as chief of control systems engineering. He lives in Phoenix, Arizona.

KARL M. PATTISON, '50, is living in Habo, Sweden, with his family, which includes six children. Habo is on the shores of Lake Vattern, Sweden's second largest lake. He is on a one and one-half year engineering assignment for the Hughes Aircraft Company. He has been working with Hughes in Tucson, Arizona for the past 11 years.

RICHARD LOUDERMILK, '59, is with the Visibility Lab of Scripps Institute of Oceanography on Point Loma, San Diego. He is married and has a daughter.

LT. JOHNNY E. WEAVER, '61, has completed the officer orientation course at the Armor School, Fort Knox, Kentucky. He was employed by the Soil Conservation Service in Safford, Arizona before entering the Army.

### PSI CHAPTER

FRANK W. BOWDISH, '39, left his position on the faculty at the New Mexico Institute of Mining and Technology on July 1, 1962, and accepted a position with the Mackay School of Mines and the Nevada Mining Analytical Laboratory in Reno.

WILLIAM J. VAN MATRE, '50, has joined the faculty of Montana School of Mines as an instructor in the Department of Mining Engineering. He has had experience in industry in mining and construction work, and as a self-employed consultant. Brother Van Matre is a member of the Montana Society of Engineers, the NSPE, the Billings Geological Society, and the Montana School of Mines Association. He is a registered professional engineer in Montana. His family includes a wife and three children.

### OMEGA CHAPTER

DICK GROW, '35, has been on loan to Western Electric from Northwestern Bell. He has been transferred from New Jersey to Hawaii to be connected with the Telstar program.

WILLIAM COYLE, '44, is chairman of the Student Center Committee at South Dakota School of Mines. Last summer he attended a summer session at MIT on Experimental Stress and Strain Design and Analysis on a Ford Foundation Fellowship.

SCOTT L. BURRILL, '47, is employed as assistant mill superintendent for the American Smelting and Refining Company, Mission Unit, Sahuarita, Arizona. He lives in Tucson with his wife and two daughters.

ROGER L. NOSS, '57, is working as project engineer for the Babcock & Wilcox Company, Tubular Products Division, Milwaukee Plant. His time is devoted to "shop" projects. The plant makes seamless steel tubing.

LT. DONALD A. FREELAND, '59, recently qualified for the expert marksmanship badge during range firing with the M-14 rifle in Germany. Brother Freeland is a platoon leader in the 440th Signal Battalion's Company D in Baumholder.

DENNIS A. BITZ, '60, is a reactor physicist with Atomics International, working on the most critical tests for startup on the Sodium Graphite Reactor at the Hallam Nuclear Power Facility. He lives in Lincoln, Nebraska.

LT. GEORGE D. O'CLOCK, JR., '62, recently completed the officer orientation course at the Engineer School, Fort Belvoir, Virginia. He entered the Army in July, 1962.

## GAMMA BETA CHAPTER

ARTHUR E. KOSKI, '57, is employed at the Department of the Navy, Bureau of Yards and Docks. He is Western Area branch manager, Housing Development Division. Brother Koski lives in Arlington, Virginia.

ROBERT H. GERBER, '61, has been promoted to specialist four in Germany, where he is a member of the 25th Artillery. He entered the Army in 1960.

## DELTA BETA CHAPTER

JOHN B. (JACK) HARMON, JR., '48, has accepted a position as senior marketing representative at Astropower, Inc., a subsidiary of Douglas Aircraft. Astropower is a new research and electronics company one and one-half years old, principally involved in marine and aerospace systems and aircraft voice warning systems. Brother Harmon lives in Corona Del Mar, California.

JAMES R. MARQUART, '53, is employed by Texas Instruments as a senior field engineer in Louisville, Kentucky. He is a registered professional engineer. In 1961 he received his master's degree in business administration. Brother Marquart is a member of AIEE, ASHRAE, and KSPE. He is the father of three daughters and one son.

JERRY C. SCHMITT, '61, has added a son to his family since graduation. He lives in Marion, Iowa.

## EPSILON BETA CHAPTER

RICHARD LYNCH, '53, Grand Marshal, is on temporary assignment in Puerto Rico. He is project engineer for O. W. Burke Company, General Contractors of Detroit, Michigan.

CHARLES E. WALES, '53, Grand Inner Guard, is working toward a doctorate at Purdue University. He is participating in the Ford Loan Program and teaching part time.

## ZETA BETA CHAPTER

DEAN F. PETERSON, Dean of Engineering of Utah State University, spent two months last spring in Ankara, Turkey, serving as senior U. S. delegate to the Fourth Near East-South Asia Irrigation Leadership Seminar.

## ETA BETA CHAPTER

B. H. HOOD, JR., '61, is employed by the Military Engineering Organization of the Western Electric Company. He is assigned to the Bell Telephone Labs, Whippany, New Jersey.

# 25 and 50 Years Ago in Theta Tau

## 25 YEARS AGO

Plans were announced for the 13th Biennial Convention at the Hotel LaSalle in Chicago, Illinois.

Members of Mu Chapter enjoyed Sunday night suppers every other week.

Sigma redecorated its house inside and out.

Chi Chapter purchased a lot for its future chapter house.

Omega Chapter received the Sigma Tau cup for the highest grade point average of any campus organization.

Gamma Beta's Black & Blue Skins football team played once a week.

(From the Fall 1937 Gear)

## 50 YEARS AGO

The Southwestern Alumni Association reported that the revolution in Mexico had caused practically all the brothers working there to leave.

An alumnus of Beta returning to Houghton for a reunion found that the town had progressed so far that streetcar tracks ran out beyond the college.

The fifth annual issue of *The Gear* was published by Beta Chapter.

Members were urged to purchase the new official pearl pin for \$6.50.

(From the 1912 Gear)





## Chapter News

### ALPHA CHAPTER

No Chapter Letter

### BETA CHAPTER



Two events of significance are reported elsewhere in this issue. They are the chapter house fire and the new house which Beta Chapter acquired and occupied this fall, and the successful hosting by Beta of the Northern Regional Conference held at Alpha's chapter house. Henry Weber was chosen Outstanding Delegate.

The men of Beta are now busy adjusting to the new house, but are not neglecting the Chapter's long-standing tradition of excellence on the Michigan Tech campus.

Officers are Henry Weber, Regent; Joe Haase, Vice Regent; Roger Wight, Scribe; Bob Ball, Treasurer; and Tom Garity, Corresponding Secretary.

### GAMMA CHAPTER

No Chapter Letter

### DELTA CHAPTER



Delta Chapter acted as hosts for a school banquet at which former President Eisenhower was in attendance and during which Case was granted eight million dollars from the Ford Foundation. As a result of the Chapter's fine showing, Delta again acted as hosts for Case's

Open House for the alumni. This fall the brothers were granted the right to conduct a portion of Freshman Orientation Week, once the exclusive right of Blue Key.

One of the undertakings of the Chapter this year is to include a number of high school visitations. This program consists of one Theta Tau member and one faculty member attending an area high school with the purpose of interesting high school students in a career in engineering.

Chapter officers are Kenneth R. Leonhardt, Regent; Thomas Seeman, Vice Regent; James P. Rybak, Scribe; James Glover, Corresponding Secretary; and Dennis Heppner, Treasurer.

KENNETH R. LEONHARDT  
Regent

### EPSILON CHAPTER



Climaxing many months of work and effort on the part of George P. Redman, Rho '54, the Faculty Adviser, and Robert E. Pope, Grand Scribe, Epsilon Chapter was successfully reestablished on the Berkeley campus last May. Four men were initiated at this time—all students in the School of Engineering. Epsilon Chapter has a

rich background of outstanding members, especially in the geological discipline, and can anticipate gaining strength in the School of Engineering as well as in its traditional forte, the School of Geology.

Chapter officers are Edward W. McNeil, Regent; Thomas W. Stratton, Vice Regent; and P. Anthony Price, Scribe.

THOMAS W. STRATTON  
Vice Regent

### ZETA CHAPTER



Last April 17 Zeta Chapter held its fiftieth anniversary celebration, which included a dinner in Kansas City with Paul Endacott, vice chairman of Phillips Petroleum Company, as guest speaker. There were also exhibits, including an aerial photograph of the present chapter house, the proposed new chapter house, the Chapter's building lot, and several other documents and photos of interest to alumni. A large number from the Kansas City area attended as well as many from further away.

Zeta is proud of its new twist to the professional development program. Its object is to find summer jobs for men in the house that relate to their field of study. This will promote valuable contact and experience with engineers and work in industry.

PAT KENNEDY  
Corresponding Secretary

### IOTA CHAPTER



Past Grand Regent John M. Daniels, Sr., was on hand to witness the initiation of his son and 23 other new members into Iota Chapter of Theta Tau on May 19, 1962. Following the initiation, a banquet was held, highlighted by talks from Brother Daniels and one of the new brothers, John M. Killoran.

During the year the pledges held a successful

## THE GEAR OF THETA TAU

car wash and Theta Tau published its popular calendar of school activities and events.

However, the members of Iota Chapter are most proud of the results of the annual "Ugly Man" Contest to promote contributions for the March of Dimes. Fraternities and the various clubs and organizations each put up a candidate who receives a vote for every dime contributed. This year Iota's collection of more than eleven hundred dollars was over one-third of the total donation.

The officers are Tod Jester, Regent; Ken Cage, Vice Regent; Ken Pohlig, Scribe; Gene Roeder, Corresponding Secretary; Wade Martin, Treasurer; and Paul Ray, Marshal.

GENE ROEDER  
Corresponding Secretary

### LAMBDA CHAPTER



junction with the  
to prospective pledges.

Lambda officers are William Coles, Regent; Jim Miller, Vice Regent; Marvin Hess, Scribe; Kenneth Robinson, Corresponding Secretary; Wayne Hagar, Treasurer; and Delvin Armstrong, Marshal.

KENNETH ROBINSON  
Corresponding Secretary

### MU CHAPTER



One of the highlights of the past semester for Mu Chapter was the Southern Regional Conference. On March 31 and April 1, Mu Chapter was host to delegates from six other Southern chapters for the biennial Southern Conference. During the Conference Mu initiated 18 new members.

Through the efforts of Prof. William K. Rey, Mu Chapter Adviser and Grand Vice Regent, Mu alumni are being located and current addresses are on file for over 50% of the Chapter's alumni. A newsletter was issued to them this fall promoting a Founders' Day Banquet and initiation October 13. The next step in the Chapter's long range planning is to form a House Corporation and obtain a chapter house.

Officers are James T. Dixon, Regent; Jerry V. Lindsey, Vice Regent; Tryon Hubbard, Jr., Scribe; William H. Mixon, Corresponding Secretary; Jerry C. Gray, Treasurer; and Bruce G. Zollers, Marshal.

WILLIAM H. MIXON  
Corresponding Secretary

### XI CHAPTER



Spring 1962 was an exciting time at Xi Chapter. On March 30 to April 2, Xi entered competition in the Triennial Engineering Exposition, "Engineering for Peace Power." The Chapter exhibited a closed circuit television system featuring a star-shaped maze. Then while watching only the television screen, which displayed the maze upside down and reversed, the participant was required to trace the pattern. The participant was timed and his "Visuoflex" reactions rated. Over 500 people participated and the operation was seen by an estimated 10,000 more during the three-day Exposition. Xi Chapter was awarded an honorable mention ribbon, tops among the professional fraternities, and the exhibit was hailed as the best audience participation exhibit in the entire Exposition.

This indicates the change in spirit at Xi Chapter. The members are slowly recovering from a slack period and are becoming a dynamic campus force.

Xi Chapter officers are Lawrence Soltis, Regent; Robert Sims, Vice Regent; John Albright, Scribe; John Imhof, Corresponding Secretary; David Lucoff, Treasurer; and Sherman Ansell, Marshal.

JOHN R. IMHOF  
Corresponding Secretary

### OMICRON CHAPTER



Construction of the Homecoming Monument held top priority at Omicron Chapter until October 27. Regent Tom Breese was chairman of the construction activities. On the morning preceding the Homecoming football game, a coffee hour was held in the chapter room to greet the returning alumni.

The activities of MECCA 1962 were again a highlight for the members of Omicron Chapter. Past Regent Tom Havel was crowned St. Pat at the Mecca Ball.

Omicron Chapter is looking forward to its 40th anniversary on February 3, 1963.

Officers are Tom Breese, Regent; Harry Marker, Vice Regent; Ron Wright, Scribe; Bill Hetzel, Treasurer; and Allan Maly, Corresponding Secretary.

ALLAN F. MALY  
Corresponding Secretary



Stanley Learned addresses the Zeta 50th Anniversary Banquet. To his left are Paul Endacott and C. W. Britzius. Zeta actives are seated to his right.



St. Pat, Tom Havel, Omicron, with the 1962 MECCA Queen.



Some of the brothers at Omicron "Singout" at the MECCA Smoker.

Newly initiated Capt. John M. Daniels, Jr., and Past Grand Regent John M. Daniels, Sr., following the Iota initiation.




Upsilon brothers John Harton and G. W. Sorrells.

Upsilon's fall pledge class



## THE GEAR OF THETA TAU

### PI CHAPTER




During the spring of 1962, the brothers of Pi Chapter undertook the improvement of the lunch counter and premises located in the Engineering School. This project is still in progress.

Other activities included a banquet held during one of the big weekends at the University. This banquet was for the new pledges, who numbered about 35. Rush proved to be very successful in the spring with pledging in the middle of April.

Pi Chapter officers are Kenneth Knowles, Regent; Joseph Gillerlain, Vice Regent; Peter Harrison, Scribe; Victor Bell, Corresponding Secretary; Charles Weatherhead, Treasurer; and Hank Brown, Marshal.

VICTOR BELL  
Corresponding Secretary

### RHO CHAPTER




Since the initiation of Dr. J. Harold Lampe as an honorary member last spring, Rho Chapter has been diligently at work under his guidance in search for a house. At present, several houses are being examined.

Enthusiasm is high at Rho this year in the areas of professional, service, and social activities. The first activity was the annual Founders' Day banquet held October 13. The banquet, which was formal, was preceded by a cocktail hour, and followed by block attendance at the Engineer's Ball. Grand Scribe Pope attended these events as part of a visit to the Chapter.

Officers are Edd W. Hauser, Regent; H. Wendell McGee, Vice Regent; Barry Frozelle, Scribe; Barry Smith, Corresponding Secretary; Tommy Barringer, Treasurer; and Ants Koppel, Marshal.

BARRY SMITH  
Corresponding Secretary

### SIGMA CHAPTER



On May 20, 1962 East Harbor State Park was the scene of the first annual Sigma-Epsilon Beta inter-chapter picnic. The 15 couples from Sigma Chapter and the 16 from Epsilon Beta each traveled 110 miles to the state park, which was chosen because of its central location.

The outstanding success of the first picnic leaves strong hope that the next annual picnic should be even bigger and better. [The full story of this picnic is reported on page 13.]

Sigma officers are Dale L. Hoover, Regent; Scott C. Gorden, Vice Regent; Donald L. Grimm, Scribe; Lawrence J. Rennie, Corresponding Secretary; Gary A. Wilhelm, Treasurer; and Robert L. Cole, Marshal.

LAWRENCE J. RENNIE  
Corresponding Secretary

### TAU CHAPTER



Last spring the annual Theta Tau Award to the outstanding senior engineer went to William E. Markcrow. Considerable information was gained from the Regional Conference at Phi Chapter. Dan E. Miller attended the Conference from Tau.

The brothers are working for the annual Engineers Ball to be held at the Sheraton-Syracuse Inn in November. The Ball will be highlighted by the crowning of our queen. Credit for most of the work goes to Ron Eaton and Bob Scudamore.

The pledges and members are now working to clean up and paint the office. The Chapter is also starting a campaign to reach all Tau alumni.

Chapter officers are Henry B. McLeod, Regent; Robert J. Scudamore, Vice Regent; Ronald H. Eaton, Scribe; Kenneth Weinstein, Treasurer; Roger Kelley, Corresponding Secretary; and James J. Rustik, Marshal.

HENRY B. McLEOD  
Regent

### UPSILON CHAPTER



The Chapter played a large part in Engineers' Week last March, giving the annual St. Pat-St. Patricia banquet to honor candidates for these positions. Men of Upsilon who served as committee heads during the week's activities were:

G. W. Sorrells, Charles Brazil, John Harton, Mike Burns, Knox Patterson, Hermann Ivester, and Bob McQuin. At the Engineers' Rally held the following Friday night, Conrad Lawson was elected St. Pat, to make the fifth year in a row that a man of Theta Tau has taken the honor. In student body elections held last spring at Arkansas, Ralph Brodie of Upsilon was elected president of the Student Body, and Chapter members captured every engineering seat on the Student Senate.

After many weeks of searching for a bigger and better house, the Chapter efforts were rewarded with a location directly across from the Engineering Building. [See article and pictures in this issue.]

Winners of the Outstanding Engineer Award (given by Theta Tau) for the school year 1961-62 were G. W. Sorrells and Snowden Armstrong, both men of Upsilon.

CONRAD D. LAWSON  
Corresponding Secretary

### PHI CHAPTER



The spring semester was not all fun and games at Phi. Much time was spent over the books and the Phi placed fourth scholastically among the 39 fraternities on campus.

Last spring Phi Chapter had the annual spring house dance which was held at the Colonial Inn. After dancing to the music of John Perigo,



Brothers Free and Conradi operating Chi's new printing press.



Ken Halfacre and his fiancée, Miss Pat Taylor, Engineering Queen and Epsilon Beta Sweetheart



#### ETA BETA OFFICERS, SPRING 1962

William Kittenger, William Leach, Loyal White, Robert Schwartz, John Rush, Richard Brooks, Edgar Rapp, Jim Boyd, Hillel Weinbaum.



Chi Regent Peterson and Brothers Wagar, Patterson, Webster, Free, and Rice relaxing after chapter meeting.



Brothers Wagar, Conradi, Peterson, Rice, and Patterson cleaning the Chi house.

#### ETA BETA CHAPTER, SPRING 1962

*Front row:* Virgil Hammerle, James Parkhurst, Rubi Berent, Herbert Underwood. *Second row:* Oscar Martinez, Kirby Boston, Thomas Turner, Wayne Small, Albert Contrenas. *Third row:* Charles Lamonte, Anthony Germani, L. O. Casey, J. F. Edge.





the Phis returned to the chapter house for refreshments and pictures. The dance was a great success.

Chapter officers are Richard G. Bergman, Regent; Kenneth W. Kovanda, Vice Regent; Larry F. Cracraft, Scribe; Peter A. Lynch, Corresponding Secretary; Ken C. Decker, Treasurer; and Peter A. Lynch, Marshal.

PETER A. LYNCH  
Corresponding Secretary

## CHI CHAPTER



The main event sponsored by Chi Chapter in the spring was the Engineer's Breakfast. The breakfast is one of Chi's ways of becoming known on campus, serving the Colleges of Engineering and Mines, and bettering faculty-student relations. The breakfast acts as the engineers' honors assembly and an

outstanding student award is selected by the Engineers' Council and presented by Chi Chapter.

Early in the summer, Chi acquired a 5" x 8" hand press which is now in full operation and will be used to print Chi's semi-annual newsletter. The press is being used for some small outside jobs such as tickets and letterheads; however, its main function is for Chapter work. Three men have been trained in its operation and are all of different academic years to keep the trade going.

Alumni passing through Tucson may not recognize the interior of the chapter house, as it has been almost entirely remodeled, including new floors and furniture. An all-out job was done by the actives.

Chi officers are Harlow Peterson, Regent; R. Marshall Rice, Vice Regent; Nick P. Estrada, Scribe; Dennis W. Conradi, Corresponding Secretary; John W. Reed, Treasurer; and Thomas Lange, Marshal.

DENNIS CONRAD  
Corresponding Secretary

## PSI CHAPTER



Psi Chapter celebrated the thirtieth anniversary of its founding with a prime rib of beef barbecue at Columbia Gardens on May 13, 1962. Members, alumni, their families, and national officers of the Fraternity were invited as Psi hosted approximately 100 people.

An evening of dancing and refreshments was enjoyed by 40 people at the Student Union building of the college immediately following the barbecue.

Psi was honored by the presence of Grand Outer Guard Jay Thorpe, who attended an open meeting of the Chapter on Monday, May 14. He presented many constructive suggestions concerning possible projects to be undertaken by the Psi pledges.

Psi officers are Marvin Senne, Regent; Cam Brown, Vice Regent; William Tiddy, Scribe; James Conway, Corresponding Secretary; Frank Paniski, Treasurer; and Charles Palagi, Marshal.

BRIAN J. BOYLE

## OMEGA CHAPTER



Last spring Omega celebrated its thirtieth anniversary in conjunction with the annual spring formal. The formal was held at Coolidge Inn in Custer State Park. The next day sev-

eral charter members and alumni gave talks on Omega's past history.

This year's activities include continuation of the present successful professional development program on campus and a variety of social functions.

Officers are Gene Johnson, Regent; Everett Bloom, Vice Regent; George Hankins, Scribe; Larry C. Madsen, Corresponding Secretary; Earl J. Preszler, Treasurer; and John Paul Bingham, Marshal.

LARRY C. MADSEN  
Corresponding Secretary

## GAMMA BETA CHAPTER



The highlight of Gamma Beta's spring program of events was a banquet and ball held on March 24, 1962. As has been the custom in Gamma Beta, new members were formally welcomed into the Fraternity at a banquet and ball which immediately

followed the initiation ceremonies. Welcomed were Robert Alvarez, Jerry Edwards, Marshall Levitan, and Donald Miller.

Gamma Beta celebrated the close of classes for the spring semester with its annual picnic on May 30, 1962 at Burke Park in nearby Virginia. The main event at the picnic was a baseball game in which everyone participated. The festivities lasted from noon to dark, and all left feeling well fed, entertained, and happy.

Chapter officers are Richard Singer, Regent; Douglas Jones, Vice Regent; Clifford Stearns, Scribe; Jerome Steffel, Corresponding Secretary; and Eliot Cohen, Treasurer.

JEROME STEFFEL  
Corresponding Secretary

## DELTA BETA CHAPTER



Last spring Delta Beta initiated the largest group since 1948. The Chapter is very proud of these fine new men.

A special meeting was planned for Founders' Day October 15, with a large number of alumni expected.

The Chapter is working hard on plans for the Twenty-Fourth Biennial Convention, December 27-30. The Delta Beta brand of Kentucky hospitality is promised to all Delegates and visitors.

Delta Beta officers are John W. James, Regent; Larry H. Nold, Vice Regent; Ray Kulbitskas, Scribe; Steve Hale, Corresponding Secretary; Ted Wafart, Treasurer; and Don Hinton, Marshal.

STEVE HALE  
Corresponding Secretary

## EPSILON BETA CHAPTER



The end of March 1962 saw the fruits of weeks of work for the brothers of Epsilon Beta Chapter. Wayne State University's Interfraternity Council at that time sponsored their annual IFC Ball with all 21 member fraternities eager to win the Ballroom Decoration Trophy. Our Chapter actives (and even alumni) decided that this was one victory to be ours. Mustering all of our skill, a masterpiece of boards, bailing wire, and rusty nails was erected. The 21 x 15 x 15-foot display (with rotating gondolas) still stands as bright in our minds as the trophy.

Epsilon Beta officers are Donato Palizzi, Regent; Christopher B. Betwee, Vice Regent; Richard S. Kirk, Scribe; Ronald E. Michalak, Corresponding Secretary; Warren M. Lydecker, Treasurer; and Richard D. Wisley, Marshal.

RONALD E. MICHALAK  
Corresponding Secretary

## ZETA BETA CHAPTER



Last spring the brothers of Zeta Beta enjoyed many events. At the last professional development meeting, W. K. Somers of the Department of Tool and Manufacturing Engineering presented an enlightening lecture. On March 10, Jim Hill and Heber Giesler, who graduated the last quarter, were honored

at a card party held in the home of Bob Wright.

Officers are Noel Cooley, Regent; Harold Francis, Vice Regent; Larry R. Diswood, Scribe; Craig Mortensen, Treasurer; and Michael Jankovich, Corresponding Secretary.

MICHAEL R. JANKOVICH  
Corresponding Secretary

## ETA BETA CHAPTER



During the first week of June, several Theta Taus helped Mr. Frank Worley, chemical engineering professor, pack 1,500 pounds of textbooks to be shipped to South American colleges.

Plans are underway to acquire a house. It will be the first professional fraternity

house on the University of Houston campus.

Sunday, October 14, Eta Beta celebrated Founders' Day Eve with a cocktail hour, banquet, and dance at the Ramada Inn in Houston.

With all these social activities, Eta Beta has not neglected academic work. The overall grade-point average for the spring semester was 2.9 on a 4.0 system.

Chapter officers are Virgil P. Hammerle, Regent; Charles M. Berry, Vice Regent; Loyal C. White, Scribe; James E. Parkhurst, Corresponding Secretary; Oscar J. Martinez, Treasurer; and Anthony G. Delareza, Marshal.

JAMES E. PARKHURST  
Corresponding Secretary

## Additions to Membership

## ALPHA CHAPTER

- 717 William Stewart Carlson, Minneapolis, Minnesota
- 718 Derrill Burnham Pratt III, Edina, Minnesota
- 719 Giles Maxon Scharnt, Rochester, Minnesota
- 720 David Anthony Gregerson, Bemidji, Minnesota

## DELTA CHAPTER

- 1016 Dennis M. Sating, Lakewood, Ohio
- 1017 John David Sinsley, Columbiana, Ohio
- 1018 James Glover, Cleveland, Ohio
- 1019 Larry H. Gordon, Dover, Ohio
- 1020 William Allen Growden, Springfield, Ohio
- 1021 Dennis B. Heppner, Louisville, Ohio
- 1022 James P. Rybak, Westlake, Ohio
- 1023 Thomas J. Seeman, Akron, Ohio
- 1024 Larry L. Shepherd, Camillus, New York

## EPSILON CHAPTER

- 860 Gary Richard Bower, Rolling Hills Estates, California
- 861 Edward Warren McNeil, Orinda, California
- 862 Peter Anthony Price, Berkeley, California
- 863 Thomas Wiley Stratton, Jr., San Pablo, California

## ZETA CHAPTER

- 659 Gerald Earl Lawson, Norcatur, Kansas
- 660 Gerald Arthur Stollenberg, Lawrence, Kansas
- 661 Larry Lee Akin, Lawrence, Kansas
- 662 Harold Lee Massie, Frankfort, Kansas
- 663 John Joseph Rupar, Jr., Pittsburg, Kansas
- 664 Donald Walter Grundeman, Holton, Kansas

## LAMBDA CHAPTER

- 784 William Thomas Lyon, Bountiful, Utah
- 785 Benjamin V. Cox, Jr., Salt Lake City, Utah

- 786 William John Stockich, Salt Lake City, Utah  
 787 Melvin Erich Franz, Salt Lake City, Utah  
 788 Charley John Langer, Salt Lake City, Utah  
 789 William Matthew Coles, Salt Lake City, Utah  
 790 Richard John Corey, Salt Lake City, Utah  
 791 J. Delvin Armstrong, Salt Lake City, Utah  
 792 Robert Louis Hopkins, Salt Lake City, Utah  
 793 Joseph Marvin Hess, Salt Lake City, Utah  
 794 Wayne Richard Hager, Salt Lake City, Utah  
 795 Charles Kenneth Robinson, Rupert, Idaho  
 796 David Hughes Swenson, Salt Lake City, Utah

### MU CHAPTER

- 772 Frank Hughes Condon, Dothan, Alabama  
 773 James Theodore Dixon III, Birmingham, Alabama  
 774 Robert Bryon Driver, Birmingham, Alabama  
 775 Jerry Courtney Gray, Clanton, Alabama  
 776 Joseph Donald Hill, Birmingham, Alabama  
 777 Melvin Lee Homan, Tuscaloosa, Alabama  
 778 John Tryon Hubbard, Jr., Dothan, Alabama  
 779 Thomas Kimbrough Keller, Albertville, Alabama  
 780 Robert Wells Kimbrough, Russellville, Alabama  
 781 Homer William Kirby, Autaugaville, Alabama  
 782 William McCain Lampkin, Tuscaloosa, Alabama  
 783 James Michael Lawrence, Tuscaloosa, Alabama  
 784 Jerry Van Lindsey, Russellville, Alabama  
 785 William Hugh Mixon, Hamilton, Alabama  
 786 Robert Edward Moyer, Hamilton, Alabama  
 787 Hubert Troy Nagle, Jr., Huntsville, Alabama  
 788 William Perry Nichols, Linden, Alabama  
 789 Leon McCollum Vick, Montgomery, Alabama  
 790 Bruce Gordon Zollers, Haddonfield, New Jersey

### OMICRON CHAPTER

- 644 Satindra K. Bewtra, Iowa City, Iowa  
 645 Allan F. Maly, Cedar Rapids, Iowa  
 646 William J. Reid, Iowa City, Iowa  
 647 William J. Schmidt, Muscatine, Iowa  
 648 John F. Thompson, Hampton, Iowa  
 649 Leon M. Yanda, Springville, Iowa

### RHO CHAPTER

- 654 John Harold Lampe, Raleigh, North Carolina  
 655 Larry Ross Allen, Plymouth, North Carolina  
 656 Robert Anthony Casanova, Charlotte, North Carolina  
 657 Frank Eugene Lastig, Clemmons, North Carolina  
 658 John Rufus Mason, Newport, North Carolina  
 659 Kenneth David Mozingo, Burgaw, North Carolina

### SIGMA CHAPTER

- 554 Robert Lewis Cole, Quaker City, Ohio  
 555 Alfred DiCarlo, Maple Heights, Ohio  
 556 Scott Chalmers Gordon, Bolivar, Ohio  
 557 Dwight Ellsworth King, Bascom, Ohio  
 558 Thomas Hamilton Powell, Cincinnati, Ohio  
 559 Charles Irwin Wilson, Greensboro, Vermont  
 560 (Honorary) Harold August Bolz, Columbus, Ohio  
 561 Fredrick William Doss, Lancaster, Ohio  
 562 Peter Lane Leffler, Hamilton, Ohio  
 563 Thomas Joseph Scattoloni, Columbus, Ohio  
 564 Donald Erwin Seely, Columbus, Ohio

### TAU CHAPTER

- 639 William A. Sargent, Syracuse, New York  
 640 Anthony P. Carpentier, Syracuse, New York  
 641 Robert E. Gardinier, Gloversville, New York  
 642 Timothy S. McConnel, Syracuse, New York  
 643 Dan Eric Miller, Yonkers, New York  
 644 Stephen B. Kazin, Bloomfield, New York  
 645 David R. Fuller, Syracuse, New York  
 646 Craig A. Smith, Syracuse, New York

### PHI CHAPTER

- 366 Robert Lynn Andrews, Libertyville, Illinois

### CHI CHAPTER

- 625 James Andrew Close, Tucson, Arizona  
 626 Dennis Warwick Conradi, Tucson, Arizona  
 627 Maurice George Free, Tucson, Arizona  
 628 Bernard Martin Kenny, Tucson, Arizona  
 629 Victor Gordon Lunell, Tucson, Arizona  
 630 Nicholas Evangelow Lycoudes, Tucson, Arizona  
 631 Ralph John Niebel, Jr., Albuquerque, New Mexico  
 632 John Daniel Patterson, Tucson, Arizona  
 633 Willard Parker Webster, Flagstaff, Arizona  
 634 David Howard Woodruff, Tucson, Arizona

### PSI CHAPTER

- 444 Albert Robert Raihl, Butte, Montana  
 445 Gordon Thomas Austin, Thornton, Washington  
 446 John Wallace Snyder, Butte, Montana  
 447 Charles August Olson, Butte, Montana

### OMEGA CHAPTER

- 574 Gary Brent Manharth, Mobridge, South Dakota  
 575 George Fredrick Niederauer, Miller, South Dakota  
 576 Kenneth Sheldon Oneill, Pierre, South Dakota  
 577 Charles Thomas Schmidt, Belle Fourche, South Dakota  
 578 William James Wilson, Deadwood, South Dakota  
 579 George Robert Rapp, Jr., Rapid City, South Dakota  
 580 Ronald Lee Cullum, Custer, South Dakota

## FALL 1962

- 581 Richard Emil Demlo, Huron, South Dakota  
 582 Maurice Max Hargens, Miller, South Dakota  
 583 David Frederick L'Esperance, Rapid City, South Dakota  
 584 Michael Dean Martin, Huron, South Dakota  
 585 Gary Leonard Nelson, Miller, South Dakota  
 586 Jerome Wayne Steele, Chamberlain, South Dakota  
 587 Ronald Robert Uttecht, Parkston, South Dakota

### GAMMA BETA CHAPTER

- 438 Robert Williams Alvarez, Washington, D. C.  
 439 Jerry Lee Edwards, McPherson, Kansas  
 440 Marshall Ashter Levitan, Washington, D. C.  
 441 Donald Abram Miller, Pittsfield, Massachusetts

### DELTA BETA CHAPTER

- 343 Robert Edward Harvey, Louisville, Kentucky  
 344 Kenneth Louis James, Louisville, Kentucky  
 345 Raymond Francis Kulbitskas, Minersville, Pennsylvania  
 346 William Allan McCulloch, Clarksville, Indiana  
 347 Michael Patrick Dennis, Louisville, Kentucky  
 348 Stephen Earl Hale, Louisville, Kentucky  
 349 Michael David McCaffery, Louisville, Kentucky  
 350 Stephen F. Brucker, Louisville, Kentucky  
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 352 Joseph R. Nunnelley, Louisville, Kentucky  
 353 Gerald Carroll Boyle, Louisville, Kentucky  
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 355 Gordon David Spence, Jr., South Yarmouth, Massachusetts  
 356 Richard Norman Gerstle, Louisville, Kentucky

- 357 Charles Henry Gnerlich, Closter, New Jersey  
 358 Stephen Dexter Coomer, Louisville, Kentucky  
 359 Robert John Bernard, Middleport, New York  
 360 Winfield Roger Woolsey, Louisville, Kentucky  
 361 Joseph Carl Bisti, Camden, New Jersey  
 362 James Robert Fowler, Jr., Louisville, Kentucky  
 363 John Verlon Keith, Jeffersonville, Indiana  
 364 Robert Perry Young II, Louisville, Kentucky  
 365 Kenneth Albert Best, New Albany, Indiana  
 366 Edsel Glen Crenshaw, Jr., Louisville, Kentucky  
 367 Joseph David Hamilton, Jr., New Albany, Indiana  
 368 John Francis Shipway, Cherry Valley, New York  
 369 Ronald Ross Howard, New Albany, Indiana  
 370 Theodore Henry Leist, Jr., New Albany, Indiana

### EPSILON BETA CHAPTER

- 150 George Thomas Haskin, Detroit, Michigan  
 151 Andrew Leo Nolan, Jr., Detroit, Michigan  
 152 Paul Francis Szymanski, Port Austin, Michigan

### ZETA BETA CHAPTER

- 33 Larry Robert Diswood, Brigham City, Utah  
 34 John P. Larsen, Logan, Utah

### ETA BETA CHAPTER

- 46 Eddie Ray Ayres, Houston, Texas  
 47 Robert Frederick Beckman, Bellaire, Texas  
 48 Thomas Wesley Fonville, Sugarland, Texas  
 49 Raymond Thomas Garcia, Houston, Texas  
 50 Marvin Douglas Hammer, Houston, Texas  
 51 Walter Ernest Hebert, Houston, Texas  
 52 Jimmy Max Whitworth, Houston, Texas

We salute these chapters which will celebrate important anniversary dates this year:

<b>Gamma Chapter</b>	<b>55th</b>	<b>November 8, 1962</b>
<b>Xi Chapter</b>	<b>40th</b>	<b>January 13, 1963</b>
<b>Omicron Chapter</b>	<b>40th</b>	<b>February 3, 1963</b>
<b>Pi Chapter</b>	<b>40th</b>	<b>May 26, 1963</b>
<b>Upsilon Chapter</b>	<b>35th</b>	<b>April 7, 1963</b>
<b>Phi Chapter</b>	<b>35th</b>	<b>April 21, 1963</b>

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



# Theta Tau Directory

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

ERICH J. SCHIRADER

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

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

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

## PAST GRAND REGENTS

ERICH J. SCHIRADER, *Alpha*, (1904-1919)\*

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

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

RICHARD J. RUSSELL (Dr.), *Epsilon*, (1927-1931), 4575 Highland Rd., Baton Rouge 8, Louisiana

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

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

JOHN M. DANIELS (Dr.), *Nu* Honorary, (1937-1939), Carnegie Institute of Technology, Pittsburgh 13, Pennsylvania

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

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

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

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

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

A. DEXTER HINCKLEY, *Theta*, (1954-1958), 90 Morningside Drive, New York 27, New York

\*Deceased

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GRAND OUTER GUARD JAY N. THORPE, *Lambda* '57 ..... 5208 - 119th Avenue, S. E., Bellevue, Wash.

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## TRAVELLING SECRETARY

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MILTON S. WUNDERLICH, *Alpha* '19 ..... 545 Mount Curve Boulevard, Saint Paul 16, Minnesota



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**ELIGIBILITY**—RICHARD LYNCH, *Chairman*, 4367 Berkshire Avenue, Detroit 24, Michigan; A. DEXTER HINCKLEY, 90 Morningside Drive, New York 27, New York

**EXTENSION**—ROBERT E. POPE, *Chairman*, 13 Sona Lane, Saint Louis 41, Missouri; RALPH L. BAKER, 63 Riverbend Boulevard, St. Albans, West Virginia; RUSSELL C. GLASS, Saddleback Lane, Gates Mills, Ohio; REY; JAY N. THORPE, 5208 - 119th Avenue, S.E., Bellevue, Washington

**FINANCE**—PAUL L. MERCER, *Chairman*, P. O. Box 487, Keokuk, Iowa; HERMAN H. HOPKINS, 3320 Culver Avenue, Evanston, Illinois; PROF. J. W. HOWE, Engineering Building, Iowa City, Iowa

**HISTORY**—WILLIAM E. FRANKLIN, *Chairman*, 1507 Lynwood Drive, Lindsay, Oklahoma; DEALY; POPE

**MANUAL AND BOOKLET REVISION**—WILLIAM E. FRANKLIN, 1507 Lynwood Drive, Lindsay, Oklahoma

**PROFESSIONAL DEVELOPMENT**—C. RAMOND HANES, *Chairman*, 581 East Dominion Boulevard, Columbus 14, Ohio; DR. A. R. SPALDING, Freshman Engineering Department, Purdue University, West Lafayette, Indiana; PROF. EDWARD C. THOMA, Freshman Engineering Department, Purdue University, West Lafayette, Indiana

**REGIONAL CONFERENCES**—JAY N. THORPE, *Chairman*, 5208 - 119th Avenue, S. E., Bellevue, Washington; FRANKLIN; HANES; HATCH; SELDEN

**RITUAL REVISION**—GEORGE C. DODD, *Chairman*, 11 Tulip Tree Drive, Champaign, Illinois; WILLIAM D. ASHTON, 2221 Iowa Street, Davenport, Iowa; GARY LAMONT, 515 Tenth Avenue, S. E., Minneapolis 14, Minnesota; POPE; JOHN A. TROTTER, JR., 130 Lindenwood, St. Charles, Missouri

**SCHRADER AWARD**—CHARLES E. WALES, *Chairman*, 355 Oak, West Lafayette, Indiana; DR. JOHN M. DANIELS, Carnegie Institute of Technology, Pittsburgh 13, Pennsylvania; WILLIAM A. MONTICELLO, 18686 Poinciana, Detroit 40, Michigan

## CHAPTERS AND CHAPTER ADVISERS

ALPHA	Founded October 15, 1904	University of Minnesota 515 Tenth Avenue, S. E., Minneapolis 14, Minnesota*
	✓ Adviser: DR. MILES S. KERSTEN, Civil Engineering Department, University of Minnesota, Minneapolis, Minnesota	
BETA	Established March 26, 1906	Michigan College of Mining and Technology U. S. Highway 41, Houghton, Michigan*
	✓ Adviser: PROF. HERBERT W. HAWN, Mechanical Engineering Department, Michigan College of Mining and Technology, Houghton, Michigan	
GAMMA	Established November 8, 1907	Colorado School of Mines Box 134, Colorado School of Mines, Golden, Colorado
	✓ Adviser: DR. RUDY C. EPIS, Department of Geology, Colorado School of Mines, Golden, Colorado	
DELTA	Established May 23, 1911	Case Institute of Technology Theta Tau Box, Case Institute of Technology, Cleveland 6, Ohio
	✓ Adviser: WALTER J. FAHEY, Electrical Engineering Department, Case Institute of Technology, Cleveland 6, Ohio	
EPSILON	Established May 4, 1911	University of California Box 12, Engineering Building, University of California, Berkeley 4, California
	✓ Adviser: GEORGE P. REDMAN, 2534 Moyers Road, Richmond 10, California ✓	
ZETA	Established April 17, 1912	University of Kansas 1602 Louisiana Street, Lawrence, Kansas*
	✓ Advisers: DR. J. O. MALONEY, Department of Chemical Engineering, and PROF. DONALD E. METZLER, Associate Dean, School of Engineering and Architecture, University of Kansas, Lawrence, Kansas	
IOTA	Established February 5, 1916	Missouri School of Mines and Metallurgy Theta Tau, Student Union, Missouri School of Mines, Rolla, Missouri
	✓ Adviser: PROF. FRANK J. CAPEK, Civil Engineering Department, Missouri School of Mines, Rolla, Missouri	

*Theta adviser: Prof. Howard W. Vreeland  
Assistant Dean of Students  
School of Engineering  
Columbia Univ. N.Y. 27. N.Y.*

LAMBDA	Established April 29, 1920	University of Utah Merrill Engineering Building, University of Utah, Salt Lake City 12, Utah ✓ Adviser: PROF. PRESTON D. LINFORD, Civil Engineering Department, University of Utah, Salt Lake City 12, Utah
MU	Established January 3, 1922	University of Alabama P. O. Box 3156, University, Alabama ✓ Adviser: PROF. WILLIAM K. REY, P. O. Box 664, University, Alabama
XI	Established January 13, 1923	University of Wisconsin Theta Tau Box, Mechanical Engineering Building, University of Wisconsin, Madison 6, Wisconsin ✓ Adviser: DR. G. A. ROHLICH, 9 Hydraulics Laboratory, University of Wisconsin, Madison 6, Wisconsin
OMICRON	Established February 3, 1923	State University of Iowa Theta Tau Box, Engineering Building, Iowa City, Iowa ✓ Adviser: DR. DONALD H. MADSEN, Engineering Building, Iowa City, Iowa
PI	Established May 26, 1923	University of Virginia Thornton Hall, University of Virginia, Charlottesville, Virginia ✓ Adviser: PROF. PHILIP H. RYAN, Thornton Hall, University of Virginia, Charlottesville, Virginia
RHO	Established February 16, 1924	North Carolina State College P. O. Box 5282, State College Station, Raleigh, North Carolina ✓ Adviser: RICHARD H. REDWINE, Engineering Research Department, North Carolina State College, Raleigh, North Carolina
SIGMA	Established November 29, 1924	Ohio State University 1946 Indianola Avenue, Columbus 1, Ohio* ✓ Adviser: PROF. EDMUND D. AVRES, Electrical Engineering Department, Ohio State University, Columbus 1, Ohio
TAU	Established December 12, 1925	Syracuse University Theta Tau Box, College of Engineering, Syracuse University, Syracuse 10, New York ✓ Adviser: PROF. R. FORD PRAY, III, Civil Engineering Department, College of Engineering, Syracuse University, Syracuse 10, New York
UPSILON	Established April 7, 1928	University of Arkansas 763 West Dickson Street, Fayetteville, Arkansas ✓ Adviser: PROF. J. R. BISSETT, Associate Director, Engineering Experiment Station, University of Arkansas, Fayetteville, Arkansas
PHI	Established April 21, 1928	Purdue University 416 North Chauncey Avenue, West Lafayette, Indiana* ✓ Advisers: DR. ALBERT R. SPALDING, Freshman Engineering Department, and PROF. EDWARD C. THOMA, Freshman Engineering Department, Purdue University, West Lafayette, Indiana
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 Theta Tau, Residence Hall, Montana School of Mines, Butte, Montana ✓ Adviser: PROF. WILLIAM B. HALL, 1159 West Gold, Butte, Montana
OMEGA	Established March 26, 1932	South Dakota School of Mines and Technology 107 Kansas City Street, Rapid City, South Dakota* ✓ Adviser: DR. ROBERT L. SANDVIC, Chemical Engineering Department, South Dakota School of Mines, Rapid City, South Dakota
GAMMA BETA	Established March 16, 1935	The George Washington University Davis-Hodgkins House, The George Washington University, Washington 6, D. C. ✓ Adviser: ROBERT M. MOORE, Mechanical Engineering Department, The George Washington University, Washington 6, D. C.
DELTA BETA	Established May 20, 1939	University of Louisville 2022 South First Street, Louisville 8, Kentucky* ✓ Adviser: PROF. MILES C. NORTHPROP, Electrical Engineering Department, University of Louisville, Louisville 8, Kentucky

Theta Beta - 3-2-63

rem. of Washington  
Seattle 5, Wash.  
Mr Ray A. McReady, Gen. Eng. Dept.  
Univ. of Wash.

EPSILON BETA	Established May 19, 1951	Wayne State University 1200 West Hancock, Detroit 1, 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		Texas

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### NOTICE TO ALUMNI

All alumni are now eligible to receive *The Gear* at no cost. Your help is needed in locating the 60% of our alumni whose current addresses we do not have. If you know the name and address of any alumnus who may not be receiving *The Gear*, please fill out and return the form on page 52.

# Editorials

## An Executive Secretary

October 15, 1962 marked three full years of service by a full-time Travelling Secretary. During these three years two new chapters have been added and the ground-work has been laid on several other campuses. We have seen also at least two chapters saved from extinction because of local situations. The chapter visitation program has been strengthened. We could not say this if a full-time man had not been available and working beyond the call of duty.

This program has not been without its financial problems, of course, and this biennium will have seen us draw on the Fraternity's reserves to finance part of the expense.

Now the Fraternity must decide if the time has come to consolidate the widely separated administrative duties of the officers into one "office" handled by a full-time Executive Secretary. This man would also do the Travelling Secretary's work.

The Executive Secretary idea has been a hope of many for years now, and the men on the Executive Council have given it some considerable thought before proposing it. Finances again play a major role and we cannot move forward vigorously for many years by drawing on reserves. The Grand Regent has stated on page 17 that this program should be undertaken on a balanced budget basis. This we should most assuredly try to do.

In the long run expansion is the only way we can support this Executive Secretary program so that Theta Tau can: 1) be a part of excellent engineering schools; 2) serve its undergraduate members; and 3) better serve its alumni. But Theta Tau is also ready for a carefully outlined and administered Executive Secretary program.

## Under One Roof

For years now our chapters have endorsed the idea of having a permanent headquarters in the form of a house where the men can live together. Unfortunately few chapters ever did more than endorse the idea. Today, however, this is changing.

Theta Tau now has ten chapters with houses. Epsilon Beta moved from an old store front to a house last year. This fall Beta Chapter replaced its house which was burned last spring, and Upsilon moved to a house which could accommodate more men. The inherent undergraduate strength and spirit in these chapters enabled them to acquire these new houses with the guidance of loyal chapter alumni.

Now reported in the "Chapter News" section are three more chapters which are actively moving toward a chapter house. Rho is looking at prospective houses and Eta Beta is doing the same. Mu is moving toward the formation of a house corporation.

A permanent chapter room has always been our minimum goal for each chapter, but ideally fraternity members should have the opportunity to live together, work together, and eat together under one roof. The existence of a house promotes the strong fraternal bond and the professional interest that we strive for in Theta Tau.

This is not to say that we do not have fraternal fellowship in our non-house chapters, because I believe we do, but a house is a bastion to keep the professional interest and fraternal fellowship strong and high.

Some chapters have local conditions which will make obtaining a house difficult, but in the long run I see continuing growth in strength in Theta Tau through more chapter houses at our non-house chapters.

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## 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 \_\_\_\_\_

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.

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