

SPRING 1967

VOLUME LVI

NUMBER 2



The GEAR
of THETA TAU

THE EXECUTIVE COUNCIL

has authorized a formal plan for

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No minimum amount has been set, and all gifts are welcome. The form on page 60 is provided for those interested.

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Bequests to Theta Tau may be made using the following suggested form:

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



The Gear of Theta Tau

SPRING 1967

VOLUME LVI NUMBER 2

Board of Editors

WILLIAM E. FRANKLIN, *Editor-in-Chief*

J. W. HOWE

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Cover: C. Ramon Hanson was elected Grand Regent of Theta Tau at the William Murray Lewis Convention held last December in Minneapolis, Minnesota.

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The William Murray Lewis Convention

The Twenty-Sixth Biennial Convention opened on the heels of a fresh winter snow-storm in Minneapolis on Tuesday, December 27. On hand at the Normandy Motor Hotel was one of the largest and most enthusiastic groups of student members to attend in the past several years, including a delegation of 16 men from Omega Chapter. The high spirits carried throughout the three-day event, when most of the nearly 100 students and alumni returned home weary but rewarded for their experience.

Amid the hubbub of registration, preparing special chapter displays, and examination by the Credentials Committee, the members became acquainted. Grand Regent William K. Rey had appointed committees in advance so that each delegate and alternate was soon engaged in the work of his committee. The 15 committees met in the afternoon and far into the night. The Executive Council managed to meet past midnight for all three nights also.

Founder William M. Lewis was present and served admirably as the elder statesman. Also present was Past Grand Regent Richard J. Russell, who had served on the Executive Council during the 1920s. Both of these men were an inspiration to the delegates, officers, and guests present.

The first evening was highlighted by a dinner open to all members and their ladies. It was here that official welcomes were extended by Minneapolis, Alpha Chapter, and the Twin Cities Alumni Association. Grand Vice Regent C. Ramond Hanes capped off the evening by giving the keynote address of the Convention. He stressed the professional nature of Theta Tau and set the stage for the events which were to follow.

First Session

The first Convention Session was held on Tuesday evening. National officers and Regional Directors made their reports, after

which the committees met far into the night.

December 28 was a day of varied activity for all present. The morning session opened with a Ritual Workshop conducted by George Dodd, chairman of the Ritual Revision Committee. He provided many helpful suggestions for making the initiation ritual a meaningful experience for each member.

The entire group then boarded buses for a tour of the University of Minnesota and of the Alpha Chapter house located nearby. The snow which had fallen made an impressive backdrop for this event, and the bus tour gave everyone a brief visit to one of the nation's best universities.

After luncheon Executive Secretary Robert E. Pope conducted a Chapter Officer Workshop for all delegates, alternates, and visitors. He pointed out many ways that each chapter could conduct its operations most effectively and benefit from services of the Central Office.

By midafternoon the first committees were ready to report and for the next two days there would be reports, debate, and action as each committee brought its recommendations to the floor of the Convention. Wednesday's sessions were closed by a memorial service to honor those members of Theta Tau whose deaths had been reported since the previous Convention. Dinner was informal and was concluded by informal discussion among the members.

Thursday was a full work day and saw an outpouring of reports and Convention action. Even the luncheon was an occasion for work. The delegates of each Region were served in different rooms. Here the men had a chance to air their chapters' problems with each other and with national officers from their areas.

The afternoon was spent with the delegates attempting to dispatch with a number of committee reports and proposals. Two items stirred a good deal of interest and



James W. Faricy, president of the Twin Cities Alumni Association, extends a welcome at the opening dinner.



Les Sutherland, Delta Beta delegate, gave a slide presentation at the Wednesday dinner.



A welcome banner greeted the delegates in the lobby of the Normandy Motor Inn.

A snowy scene during the tour of the University of Minnesota.





OFFICIAL CONVENTION PHOTOGRAPH

Front row: Milton S. Wunderlich, Archivist; Charles W. Britains, Grand Treasurer; C. Ramond Hanes, Grand Vice Regent; William M. Lewis, Founder; Richard J. Russell, Past Grand Regent; William K. Rey, Grand Regent; Robert E. Pope, Grand Scribe; Richard Lynch, Grand Marshal; Charles E. Wales, Grand Inner Guard; Jay N. Thorpe, Grand Outer Guard. *Second row:* Jeff Brann, Zeta; Myrl H. Wear, Zeta; William S. Weber, Xi; Lewis J. Zackin, Theta; Jess L. Solomon, Iota Beta; Bruce W. Farmer, Chi; Robert M. Webb, Kappa Beta; Riek Avis, Gamma. *Third row:* Lester E. Sutherland, Delta Beta; Joel S. Schwartz, Delta Beta; Terry Angove, Psi; Wayne F. Niskala, Delta; David R. Woolsey, Zeta; Gary L. Neresson, Alpha; John M. Dealy, Eastern Regional Director. *Fourth row:* Carl Gibbons, Upsilon; Jack Payne, Special Representative for California; James B. Deters, Omega; Edward A. Nordquist, Psi; Anthony E. Filip, Epsilon Beta; Michael P. Murray, Delta. *Fifth row:* Charles Weniger, Iota; Terry E. Klitkie, Xi; Steven J. Parker, Omega; Richter F. Klunne, Epsilon; Richard T. Brown, Lambda; Charles L. Anderson, Alpha; Craig A. Frane, Alpha. *Sixth row:* Thomas R. Draeger, Theta Beta; George G. Dodd, Central Regional Director; Brian J. Boland, Pi; Keith A. Christophersen, Alpha; James Cole Winkler, Xi; William R. Reed, Phi; James M. Walter, Phi. *Seventh row:* Craig Herdman, Omicron; Thomas Costilow, Delta Beta; Fred Emerson, Theta Beta; James Suarez, Tau; Richard H. Simons, Lambda; J. Ronald Bailey, Rho. *Eighth row:* Dwight D. Zeek, Xi; Alan R. Wolffe, Theta Beta; Thomas D. Peterson, Alpha; Brewerton Clarke, Tau; Clifford E. Anderson, Chi; Roger A. Hall, Mu. *Ninth row:* Jon Schladweiler, Xi; George Kent Burnett, Upsilon; Robert R. Franklin, Theta Beta; Robert G. Smith, Sigma; Ronald A. Schwartz, Sigma; Gregory J. Bayens, Delta Beta. *Tenth row:* Randy G. Murphy, Upsilon; Phillip Dolezal, Eta Beta; Andrew Stacy Dering, Gamma Beta; William J. Dandalides, Sigma; Larry Pauly, Sigma; Paul L. Sak, Iota Beta; Arthur Cassabianca, Theta.

debate. The first was a proposal to modify the Fraternity's policy that new chapters can be established only at schools with ECPD-accredited curricula. A proposal was made that the Executive Council be granted the right to waive this provision under certain exceptional circumstances. The debate

was lengthy and vigorous but the proposition was not settled that afternoon.

The second controversial item was the proposed budget for the 1966-68 fiscal biennium. After much background work and careful analysis, the committee recommended a budget which showed a \$3,000



John Dealy, Regional Director, was master of ceremonies at the Wednesday luncheon.



Grand Regent Rey, Grand Marshal Lynch, and Founder Lewis at one of the many late Executive Council meetings.



James Reynolds, Regional Director, did an outstanding job on the Convention Planning Committee and the Auditing Committee.



Grand Treasurer Britzius, Grand Vice Regent Hanes, and Grand Inner Guard Wales during a meeting of the Executive Council.

THE GEAR OF THETA TAU

deficit. The chapter delegates then made a swift and rather surprising decision to raise their own initiation fees and semi-annual dues to cover the anticipated deficit. After debate and several calculations the delegates finally voted to increase initiation fees by \$2.00 and semi-annual dues by \$0.50 per man.

Other important legislation was taken up, but perhaps the sleeper was a provision that the position of Field Secretary be established, looking to the day when a second full time employee of the Fraternity would be needed.

Initiation and Banquet

The afternoon ended when a special team of delegates presented a full scale initiation ceremony in an exemplary fashion for all present. This event was followed by a reception and the Convention Banquet held to pay tribute to our sixty-two years as well as the recent accomplishments in Theta Tau.

About 35 Twin Cities alumni turned up for the event and pushed attendance to well over 100, probably the most well attended Convention Banquet in 12 years. (The Golden Anniversary Banquet was also held in Minneapolis.)

The program was varied and a pleasure to all present. Grand Regent Rey acted as master of ceremonies and read many telegrams from Founders and Past Grand Regents unable to attend the Convention.

First speaker of the evening was Founder Lewis, whose enthusiasm and dedication had been an inspiration to all who attended the Convention. He delighted his audience with recollections of his early years in Theta Tau and personal anecdotes of his active retirement. Brother Lewis received a standing ovation from his brothers.

Past Grand Regent Richard Russell then took up the speakers' stand and skillfully intertwined a serious message with his recollections of Theta Tau in the 1920s. Brother Russell stressed the fact that Theta Tau found its strength in being a professional engineering fraternity and filling a

gap between honor societies and social fraternities. He urged the student members present to renew their dedication to the Fraternity's principles and without sacrificing the professional stature which we now enjoy.

Past Grand Regent C. W. Britzius also spoke briefly. He chose to honor Theta Tau with a personal testimony of the Fraternity's importance in his life and professional career. Brother Britzius' enthusiasm and vigor have always given the impression of a person with the secret of perpetual youth. That night was no exception.



Founder William M. Lewis delighted the audience at the Convention Banquet. Lynn Hindermann, Minnesota '29, who gave the main address, is at left.

Turning to awards, Brother Lewis was presented with a Citation for distinguished service to the Fraternity, an honor reserved to only a very few members. This action was topped off the next day when the Convention was named the William Murray Lewis Convention by official action of the voting delegates and Executive Council.

Charles Wales then presented the Erich J. Schrader Award to the chapter which had proved itself the best in Theta Tau for the biennium. Phi Chapter at Purdue walked away with the honors for the second time in a row. Sigma Chapter (Ohio State) and Epsilon Beta (Wayne State) came in second and third by narrow margins.



Jim Walter, Phi Chapter, receives the Erich J. Schrader Award from Charles E. Wales, chairman of the Award Committee.



Executive Secretary Robert E. Pope conducts the Chapter Officers Workshop.



Grand Treasurer Charles W. Britzius recalls his experiences in Theta Tau over the years.

Alpha alumni led the group singing: C. W. Britzius, Lynn Hindermann, Gary Lamont, Herman Gollwitzer, and Philip Ratte.





Charlie Anderson, Alpha Chapter Vice Regent, was a hard working Host Committee member in the Theta Tau Convention "office."



Grand Scribe Robert E. Pope (Outstanding Delegate at the Golden Anniversary Convention) presents the current award to Anthony Filip, Epsilon Beta Chapter.



Past Grand Regent Richard Russell was an active participant in the Convention.



The new Executive Council takes office. From left: George G. Dodd, Grand Outer Guard; Richard Lynch, Grand Marshal; Jay N. Thorpe, Grand Inner Guard; Robert E. Pope, Grand Scribe; Charles W. Britzius, Grand Treasurer; William K. Rey, Delegate-at-Large; Charles E. Wales, Grand Vice Regent; and C. Ramond Hanes, Grand Regent.

Grand Scribe Pope then made the Outstanding Delegate Award. This honor is bestowed on the chapter delegate who is judged to be the most outstanding at the Convention—the selection is made by secret ballot by the delegates themselves. Brother Tony Filip (Wayne State) took this honor, being the twelfth man to do so in Theta Tau history (see page 10). He was chairman of the Convention Planning Committee and very active during floor debate and discussion.

Guest speaker of the evening was Brother Lynn Hindermann, *Minnesota '29*, North Central regional engineer for the Asphalt Institute. His subject, "The Edge of Tomorrow," was directed primarily at the student engineers present as he looked at the engineer of the future. He emphasized that an engineer is someone determined to master the forces of nature for the benefit of mankind. Beyond this, however, there are opportunities which the engineer will need to pursue—to develop his competence as a professional, to exercise civic responsibilities, and to bring his authority and influence to bear on problems of mankind, be they technical, social, or political. He should not only be the solid citizen he has

always been but an active citizen with a broad image of his purpose.

Final Session

Friday brought the seventh and final Convention Session, during which the business of the Convention was brought to a close. After adoption of the traditional resolutions, the final action was election of the Executive Council for the coming biennium. The Nominations Committee brought forth its report and the slate of nominees, and the election was carried out. Grand Regent Rey became Delegate-at-Large and C. Ramond Hanes is the new Grand Regent. Other officers elected were Charles E. Wales, Grand Vice Regent; Robert E. Pope, Grand Scribe; Charles W. Britzius, Grand Treasurer; Richard Lynch, Grand Marshal; Jay N. Thorpe, Grand Inner Guard; and George G. Dodd, Grand Outer Guard.

After the installation of officers, Brother Hanes closed the Convention as his first official act. The delegates and national officers were soon scattered far from Minneapolis, weary but happy they had come to experience firsthand the fraternal fellowship of a Theta Tau Convention.

Significant Actions Taken at the Convention

- * Made provision for a Field Secretary to be added to the staff.
- * Adopted a record budget of \$71,000 for the biennium.
- * Raised initiation fees \$2.00 and semi-annual dues \$0.50 to keep a black ink budget.
- * Adopted an official Colony Certification Ritual.
- * Revised the scoring and requirements of the Erich J. Schrader Award, emphasizing categories of "professional, brotherhood, and operations and communications."
- * Established policy for professional auditing of the financial records of the Fraternity.
- * Liberalized the financial allowances for Regional Conferences to encourage more participation from each Chapter. Set the dates for all Conferences during November 1967.
- * Emphasized the increasing activity and importance of alumni activity and organizations, professional development programs, and extension to other campuses.

Anthony Filip is Outstanding Delegate

By vote of his fellow delegates, Anthony Filip, Epsilon Beta, was elected Outstanding Delegate to the Twenty-Sixth Biennial Convention. He served as chairman of the Convention Planning Committee.

He received his B.S.E.E. degree from Wayne State University in March 1967 and is now a graduate student there. He works



Tony Filip, Epsilon Beta delegate, entered actively into debate from the Convention floor.

part-time as an assistant in the Physical Electronics Department of Ford Scientific Research Laboratories. He is presently working in holography research, which involves laser research also. Brother Filip plans to work for a Ph.D. in electrical engineering, specializing in fields and communication theory.

While an undergraduate Brother Filip held scholarships from the Bentley Foundation, the Borman Foundation, and Detroit Edison Company. In 1964 he received the Allison Award for having the highest sophomore grades in the College of Engineering; and in 1966 he had the highest senior average in engineering. He was on the Dean's Honor List for 10 quarters.

Brother Filip has served as corresponding secretary of Epsilon Beta Chapter and was vice president of Tau Beta Pi, vice chairman of IEEE, and corresponding secretary of Eta Kappa Nu.

He has worked as a keypunch operator at the National Bank of Detroit, as a computer programmer for Wayne State, and as a student engineer for Detroit Edison Company before taking his present job.

Brother Filip's chief hobby is sailing, and he is eagerly awaiting spring.

New Additions to Our Library

Since November 1966 the following books have been added to the Theta Tau library in the Central Office:

Coxgriff, Robert L.—*Nonlinear Control Systems*

Crede, Charles E.—*Vibration & Shock Isolation; Shock & Vibration Handbook* (3 volumes)

Heylin, Gordon S.—*The President's Message*
Kirkpatrick, C. V.—*The Power of Gas*

Mattson, Roy H.—*Basic Junction Devices & Circuits; Electronics*

Michalec, George W.—*Precision Gearing: Theory and Practice*

Palmer, Aubrey E. (and Arges) *Mechanics of Materials*

Swenson, G. W., Jr.—*Principles of Modern Acoustics*

Uren, Lester C.—*Petroleum Production Engineering* (3 volumes)

If you have authored or edited a book, or know of a Theta Tau who has, please notify the Central Office so that we may continue to build our library.

Grand Regent's Message

It is with an increasing feeling of humility that I embark on the office of Grand Regent of Theta Tau. When I take a quick look at the ones who have preceded me in this office and their accomplishments, I realize it will be difficult to stand up favorably by comparison in the history of Theta Tau. From our Founder, Erich J. Shrader, through the various administrations to that of immediate Past Grand Regent William K. Rey, all have contributed significantly to our progress.

In seeking a formula for the success of each of these administrations it would seem to be the quality of adapting to the need of the times and recognizing the constantly changing conditions which must be faced and doing something about them. While I am not one to dwell in the past except as it may be useful in our future, the pace for changing conditions parallels that of the increase in man's knowledge and along with it the increase in numbers of engineers (or perhaps this should be reversed). Since this is at such a tremendously increasing pace during recent years, the need to adapt our Fraternity to changing conditions likewise is at an accelerated pace compared to some periods in our past history.

Education in general and engineering education in particular are in the midst of a radically changing concept. There is much evidence that students are increasing their emphasis on academic activities and lessening their attention to extracurricular matters. This does not mean, however, that fraternities in general are heading to oblivion since the records show a dynamic increase in the national fraternity system since World War II. It is pleasing to reflect that Theta Tau has kept pace with this trend in expansion. The significant step taken a few years ago during the administration of Past Grand Regent Charles W. Britzins in establishing the office of Executive Secretary is an indication of one of the significant steps taken by Theta Tau in recognizing the need for a change in our operation. Grand Scribe

Robert E. Pope has filled this position with dedication and distinction in providing services to our Fraternity.

Growth in numbers can be misleading if that is our only interest. We must continue to be alert to the steps we should be taking to insure the continued success of Theta Tau. We can't afford to wait until the time when action must be taken, which is apparent to a majority of our membership. Neither can we hope to provide an orderly study of our needs in connection with a Biennial Convention. For this reason the Executive Council, in their meeting following the Minneapolis Convention, asked Past Grand Regent William K. Rey to be chairman of a Long Range Planning Committee.

While all of the items to which this committee must give attention have not been defined, it is obvious they must first be concerned with the goals of Theta Tau and our objectives. How do we reach these goals? What is our plan or strategy in attaining our objectives? How should our Central Office develop in staff, facilities and timing? How should funds be provided for our needs? Should a Development Program be established to which continuing contributions are made? What are our plans for bringing about real alumni participation? How can our chapters be helped to strengthen themselves? What is our role in professional development?

In all of these considerations we must keep in mind that the paramount purpose is to achieve the strongest possible chapters. And it is increasingly obvious that the basic purpose which has guided our destinies throughout our history do not need to be revised—to develop and maintain a high standard of professional interest among our members and to unite them in a strong bond of fraternal fellowship.

We solicit your advice and recommendations in achieving our common purpose—an increasingly greater and more effective Theta Tau as we approach the twenty-first century.

C. RAMOND HANES

The New Executive Council



GRAND REGENT C. RAMOND HANES, *Ohio State '24*, began his service to Theta Tau as president of the Engineers Club, which achieved a charter as Sigma Chapter. At the national level he has been Regional Director, Grand Inner Guard, and Grand Vice Regent. He is an engineer for research and development with the Ohio Department of Highways in Columbus. He has promoted the engineering profession as president of the Ohio Society of Professional Engineers and as vice president of NSPE. His other memberships and activities include Tau Beta Pi, ASCE, American Road Builders Association, American Association of State Highway Officials, Columbus Engineers Club, Masonic orders, and the Methodist Church. He and his wife have two children and several grandchildren.

GRAND VICE REGENT DR. CHARLES E. WALES, *Wayne State '53*, is assistant professor of chemical engineering at Purdue University, where he earned his Ph.D. in 1965. He has served Theta Tau as a charter member of Epsilon Beta Chapter, as Grand Inner Guard, Grand Outer Guard, and as chairman of several committees, including Curricular Eligibility and Schrader Award. Brother Wales served in the Marine Corps before entering Wayne State. He earned his master's degree in chemical engineering at the University of Michigan. He is a registered professional engineer in Michigan, and a member of AIChE, ASEE, Sigma Xi, Tau Beta Pi, and Omicron Delta Kappa. His hobbies include creek walking, pike fishing, and model railroading.



GRAND SCRIBE ROBERT E. POPE, *Kansas '52*, serves Theta Tau full time as Executive Secretary at the Central Office in St. Louis. He has been Grand Scribe of Theta Tau since 1959 and has been employed full time by the Fraternity since 1959. He was previously employed as a chemical engineer by Mallinckrodt Chemical Works in St. Louis. Brother Pope is a member of Sigma Tau, Tau Beta Pi, Phi Lambda Upsilon, and Omicron Delta Kappa. He is an associate member of AIChE, a senior member of the American Chemical Society, and a member of the Engineers' Club of St. Louis. Brother Pope is currently treasurer of the Professional Interfraternity Conference. His other interests include serving as a steward of Grace Methodist Church, sports, and photography.

GRAND TREASURER CHARLES W. BRITZIUS, Minnesota '33, has served Theta Tau as Grand Regent, Grand Vice Regent, and Grand Outer Guard. He is president of Twin City Testing and Engineering Laboratory, Inc., and Soil Exploration Company, St. Paul, Minnesota. His activities include serving as vice president of NSPE, past president of Minnesota Society of Professional Engineers, national offices in ASTM and ASCE, and Minnesota Association of Consulting Engineers. He is active in the Lutheran Church and in Boy Scouts, and he recently received the Silver Beaver Award, the highest in scouting. Brother Britzius lives in Deephaven, Minnesota with his wife and six children. His interests include sports of all kinds.



GRAND MARSHAL RICHARD LYNCH, Wayne State '53, is vice president and secretary of Freeman-Darling Inc. in Detroit, Michigan. He is a charter member of Epsilon Beta Chapter, and has been active in the Detroit Alumni Association. He served Theta Tau on the national level as Grand Inner Guard before his election as Grand Marshal in 1958. Brother Lynch is a member of ASCE, the Engineering Society of Detroit, and is a registered professional engineer in Michigan. His hobbies include bowling, golfing, and skiing. Brother Lynch was married recently.

GRAND INNER GUARD JAY N. THORPE, Utah '57, is a research engineer for the Boeing Company in Seattle, Washington. He lives in Bellevue, Washington with his family, which includes his wife, two daughters, and a son. Brother Thorpe has previously served Theta Tau as a Regional Director and as Grand Outer Guard. He has been active in the Pacific Northwest Alumni Association and was instrumental in the establishment of Zeta Beta and Theta Beta Chapters. He is a member of Alpha Phi Omega. Brother Thorpe served in the Navy in World War II in all theaters of action and was recalled into service in Korea in 1950.



GRAND OUTER GUARD DR. GEORGE G. DODD, Kansas '60, is a senior research engineer at General Motors Research Laboratories, Warren, Michigan. He earned his Ph.D. in electrical engineering at the University of Illinois in 1964. Brother Dodd has served Theta Tau as Regional Director and as chairman of interim committees. He is a member of NSPE, IEEE, and the Association of Computing Machinery. His honor societies include Sigma Xi, Tau Beta Pi, Eta Kappa Nu, Sigma Pi Sigma, and Sigma Tau. He is active in the Episcopal Church and is a member of Masonic orders. Brother Dodd is married and has two daughters. His hobbies include flying and bowling.

Dream of a Chapter House

by Allan H. Kopp, Tau '67

The dream of a Tau chapter house on the Syracuse University campus has been one that has tantalized the members of our Chapter for over 42 years. But dreams rarely come true by themselves, and only after much hard work, organization, and determination have been expended can their fulfillment be realized.

The first real efforts to obtain a chapter house began in 1962 with brothers Lee Metrick and Peter Vandenburg. An analysis of the situation for housing on the Syracuse campus revealed that purchase of our own house outright would be virtually impossible because of the lack of available land reasonably close to the campus. An idea of renting an entire house or forming a co-op was also considered, but this was dropped on the grounds of insufficient space and/or lack of funds to assume responsibilities. The solution finally reached was that of living together in a university cottage. This meant that we would be tenants of the university, eating in a nearby dormitory and paying the regular room and board fee, while still living together in an individual unit exclusively for our use (provided we could fill it with a certain minimum number set by the school). No responsibility, no extra cost, and no long hikes to 8:00 classes. All we needed was enough brothers to move in, a cottage the university would let us have, and a place that would be acceptable to all the brothers. In 1962 Tau Chapter had only the brothers, and the petition for a chapter house was not granted.

In 1963 and 1964 efforts to find a house, petition with enough brothers, and then accept the accepted petition continued lost in a muddle of poor organization, fouled communications, and bad timing. Further, rushing and pledging activities slackened, so that in June of 1965 half the Fraternity graduated leaving a total membership of nine.

Without enough brothers all hopes of a chapter house were dropped and an all-out effort to expand membership and improve the Fraternity internally was begun.

By June of 1966 things were looking better and in the fall a committee was formed to restudy the possibilities of obtaining a house. An acute shortage of hous-



Tau Chapter now occupies a university cottage near the Syracuse campus.

ing had forced the university to purchase an excessive number of cottages that fall, which would be vacant by spring of 1967. Private informal talks with various administrative personnel indicated very good chances of house acquisition provided we could produce 13 brothers that could move in. A calculated gamble was made and engineering students that fall were rushed on the promise of a chapter house in spring. Though this promise was never clearly made in writing or otherwise, the inference was in the rushing letter and in the brothers' conversation at the rushing smoker. Pledge

class enthusiasm was tremendous, and what's more, it spread throughout the Fraternity.

Another committee was formed to inspect all the known cottages on campus, a petition was submitted on time, letters of recommendation were secured from engineering faculty, and as a result, the petition was granted, but for a house we had not requested at 707 Livingston Avenue.

The house to anyone but a brother of Tau Chapter at that time would seem like just another cottage which needed work

inside and out, but for us it was the possible realization of a 42-year-old dream. Fourteen brothers could move in, and we needed 13 to accept the administration's offer and exchange their new, highly sought for, luxurious dormitory rooms for hard work in an old cottage.

The enthusiasm still held though, and with a decision to work together to make a real chapter house from this neglected structure, 13 signed the petition and Tau Chapter finally had its own house on January 8, 1967.

College Bowl Experiences

by Steven Ross, Theta '68

In the spring of 1966 an advertisement appeared in the *Columbia Spectator* calling for all those who would like to appear on the General Electric College Bowl to try out for the team. After a written test, the 75 original applicants were cut to 16. In a month, after four round-robins had been held, the four team members were chosen. To my infinite delight, I was one of them.

The Public Relations office at Columbia U., which chose the team, decided to have four jacks-of-all-trades, masters-of-none (well, hardly any). This proved to be a wise idea, because had they chosen four specialists, there would have been some questions that would have fallen between our various stools. As it was, I was amazed week after week that if there was something that I did not know, somebody else on the team did.

After practicing from the beginning of the fall semester, we went on the air for the first time on November 6. Our first opponent was Providence College, with whom we ran practice games all morning. By the time that we went before the cameras, we were supposed to be acquainted with the program and at ease. However, I have never been and hope never to be so nervous in my entire life.

However, we beat Providence rather

handily and went on to take the measure of Indiana, Michigan State, and William & Mary, winning the championship by de-



Steven Ross, Theta '68, (right) was a member of the winning College Bowl team from Columbia University on nation-wide TV.

feating Smith College, a Seven Sisters rival.

Aside from the personal satisfaction of being an undefeated champion, there were some special rewards. I met Grayson Kirk, Columbia's president; the Alumni Association created a special award just to give to us; and best of all, I received a fan letter from a go-go dancer in Montreal who told me that she spent nights thinking of me and Paul Hornung. With that, as the fellow on the right, I bid you farewell.

Contributors to Theta Tau Progress

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UNRESTRICTED GIFT DONORS

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G. F. Coope, Theta '14
Jack W. Cottrell, Tau '41
H. Velpau Darling, Gamma Beta '33
Edward P. Davidson, Rho '41
J. L. Davidson, Jr., Nu '29
Richard H. Davis, Jr., Upsilon '62
J. Robert Day, Jr., Tau '53
James O'Hara Denny III, Nu '48
John M. De Noyer, Epsilon '57
John E. Dumasreg, Theta '37
Bruce G. Eaton, Kappa '30
Richard E. Ely, Mu '48
George E. Faithfull, Eta '26
Jack D. Foster, Iota '49
Archie B. Freeman, Rho '30
David N. Giltinan, Alpha '15
Eugene F. Gorman, Theta '52
Harold F. Greiser, Tau '44
Louis A. Gross, Tau '65
John J. Harton, Upsilon '64
Edward W. Heath, Gamma '54
R. T. Hedden, Tau '31
John E. Holt, Gamma Beta '63
William Whitfield Hopper, Jr., Rho '61
James Y. Howard, Tau '33
Tobin Humphrey, Theta Beta '64
Arthur L. Hunt, Omega '65
Andrew L. James, Delta '24
George W. Jevne, Alpha '10
Martin J. Joel, Jr., Mu '48
George L. Johnson, Kappa '31
James A. Kearney, Theta '30
Louis E. Kilmars, Pi '45
Henry L. Kinnier, Pi '42
Harry E. Krumlauf, Jr., Chi '58
Vincent D. Lancia, Mu '47
William M. Lewis, Gamma '09, Founder
George M. Lieber, Delta '19
Theodore R. Lehr, Theta '24
John A. Lunn, Eta '17
W. Stanley Machen, Gamma Beta '44
Edwin G. Machin, Iota '22
Paul F. Maurer, Nu '22
C. E. Meyer, Xi '51
Robert P. Miller, Epsilon '20
Edward S. Monarchi, Delta '56
Frank Moy, Gamma Beta '65
Cliff Neely, Delta Beta '53
John E. Parsons, Gamma Beta '38
Gerard V. Patrick, Eta '28
Ferman W. Perry, Pi '50
Louis H. Pfau, Mu '43
George Pida, Gamma Beta '47
Miles T. Radler, Gamma '48
John C. Reilly, Jr., Iota '49
James P. Ricks, Jr., Rho '51
Clark B. Risler, Theta '37
Julius C. Ritter, Gamma Beta '42
Bernard T. Rocca, Sr., Epsilon '15
Wingate Rollins, Eta '18
George L. Samsbury, Upsilon '37
J. A. Scheinman, Iota '45
Irvin H. Schick, Gamma Beta '58
Donald G. Schmidt, Iota '48
David R. Shaw, Mu '63
Norman R. Siewert, Beta '36
Paul E. Smathers, Rho '52
Donald D. Snavely, Theta '43
Harry M. Spatzer, Theta '56
William C. Stapleton, Jr., Mu '49
Winthrop C. Swain, Eta '17
Guy A. Swenson, Eta '13
Jay N. Thorpe, Lambda '57
Thomas P. Turchan, Gamma '35
Kent R. Van Horn, Delta '26
William Vermeulen, Theta '40
William P. Von Behren, Delta '25
George W. Wagner, Gamma Beta '54
Morgan S. Waugh, Delta Beta '62
John R. Webb, Kappa '32
Joseph R. White, Jr., Rho '61
John A. Wilson, Delta '40
James H. Wingard, Mu '22
David Lee Wong, Gamma Beta '65

FOUNDERS' MEMORIAL FUND

- William H. Adams, Tau '28
James E. Adkins, Rho '46
William J. Ellenberger, Gamma Beta '30
Eugene F. Gorman, Theta '52
Louis A. Gross, Tau '65
James Y. Howard, Tau '33
Albert B. Hubbard, Upsilon '28
Rupert B. Loew, Gamma '22
William J. Lucas, Mu '39
Earnest J. Oglesby, Pi '11
Ferman W. Perry, Pi '50
Edgar B. Robinson, Sigma '29
Jay N. Thorpe, Lambda '57
Elwin L. Vinal, Alpha '07, Founder
As a memorial honoring
Roy A. McCready, Psi '39



Alumni News

Dr. Van Pelt Retires at Michigan Tech



DR. J. R. VAN PELT, *Michigan Tech '22*, has been named president emeritus of Michigan Technological University. A farewell banquet was held in his honor at the Memorial Union on September 30, 1966. He became president of Michigan Tech in 1956, the only alumnus to hold that position, and became the University's first chancellor in 1965.

Brother Van Pelt received an A.B. degree from Cornell College and B.S. and E.M.

degrees from Michigan Tech. He also did graduate work in geology at the University of Chicago.

From 1922 to 1928 he was a member of the faculty in the Department of Geology at Cornell College, where he became a professor. From 1928 to 1945 he was with the Museum of Science and Industry in Chicago, where he was curator, assistant director, and technical director. Then from 1945 to 1951, he was director of the Research Education Division and chairman of the Committee on Publications and Public Relations at the Battelle Memorial Institute in Columbus, Ohio.

Brother Van Pelt became president of Montana School of Mines in 1951, where he was also director of the Montana Bureau of Mines and Geology and chairman of the Secretary of the Interior's committee on organization and management of the U.S. Geological Survey. He served on the Western Interstate Commission on Higher Education and the Western Governors' Mining Advisory Council. In 1956 he went to Michigan Tech.

He is a life member of AIME, and a member of ECPD, ASEE, AAAS, and the Newcomen Society of England. His honor societies include Tau Beta Pi, Sigma Xi, Phi Beta Kappa, Phi Kappa Phi, Phi Eta Sigma, and Alpha Phi Omega.

He served in the field artillery as a second lieutenant in World War I, and was a War Department civilian consultant in World War II. He is a registered professional engineer in Ohio.

He is a director of the Copper Range

Company and of the Detroit and Northern Savings and Loan Association. He is a life member of the board of trustees of Cornell College and a trustee of the Michigan Tech Foundation.

His honorary degrees include the Sc.D.

from Cornell College in 1942 and the LL.D. from Chicago Medical School in 1957.

Brother Van Pelt and his wife have three married children. They plan to travel extensively and to spend considerable time at their Eagle Harbor lakeshore home.

Dr. Martin is New Dean at SMU



DR. THOMAS L. MARTIN, JR., *Arizona Hon.* '42, became dean of engineering and vice president of the Engineering and Science Foundation of Southern Methodist University in August 1966. Until that time he had been dean of the School of Engineering at the University of Florida.

Brother Martin earned his bachelor's and

master's degrees in electrical engineering at Rensselaer Polytechnic Institute, where he was an instructor. He earned his Ph.D. at Stanford University in 1951.

He was an assistant and associate professor of electrical engineering at the University of New Mexico, then became a professor and head of the Electrical Engineering Department at the University of Arizona. He was dean of the School of Engineering at Arizona before taking the similar position at Florida.

Brother Martin's many professional societies include ECAC, IEEE (Fellow), ASEE, and ECPD. He is a member of Sigma Xi, Sigma Tau, Eta Kappa Nu, Sigma Pi Sigma, Tau Beta Pi, and Phi Kappa Phi. He was Engineer of the Year in Northern Florida in 1965.

He served as a captain in the U.S. Army Signal Corps, and was awarded the Bronze Star Medal.

His writings include *Ultrahigh Frequency Engineering*, *Electronic Circuits*, and *Physical Basis for Electrical Engineering*, all published by Prentice-Hall; *Strategy for Survival*, published by the University of Arizona Press; and many papers in professional journals.

Brother Martin is married and is the father of two children.

"Fraternity life is a great trainer on this point [leadership] for no one can be a leader until he has learned to work with others and to get along with others. Practically everything we do in life has to be done with and through others, so it is essential that we learn how to get along with and influence people. . . .

"You who have become leaders in your chapters know that you have to pay the price of leadership. The price is hard, continued study and work, so that you may know the facts. The road to successful leadership is paved with midnight oil."—STANLEY LEARNED, *Kansas '24*, in *The Scroll of Phi Delta Theta*.

Distinguished Career in Construction for Strike

CLIFFORD S. STRIKE, *Illinois '24*, has had a distinguished career in the construction industry and in public service. He is now president of his own consulting firm, Clifford S. Strike & Co., in New York City.

At the University of Illinois Brother Strike was manager of the college daily newspaper and in the summers worked for the Henry L. Doherty Co. When he graduated he took a job with Dwight P. Robinson & Co., engineer and contractor. He moved many times in his work for this firm, finally becoming job superintendent. In 1930 Brother Strike joined F. H. McGraw, who had quit Robinson shortly before to form his own company.

The new firm began with \$19 million in contracts and a staff of nearly 200, then rode out the Depression with a skeleton staff. Large projects came again in World War II, when the company's construction included the Jayhawk Ordnance Works in Kansas and the Bermuda Naval Air Station. Brother Strike became president of F. H. McGraw and Co. in 1941.

New challenges came after the War. Brother Strike went to Europe on behalf of the Government to supervise provision of housing for four million homeless Germans in the American Zone. He was then named U.S. Deputy Chief for Reparations and remained in Germany for eight months. For his work there he was awarded the Medal of Freedom by President Truman.

In 1947 Brother Strike was asked to go to Japan to appraise reparations there. The result was the formation of Overseas Consultants, Inc., a non-profit company involving eleven firms with Brother Strike as president.

OCI was dissolved after the job in Japan was finished, but soon the government of Iran asked for help in planning its development. The firm was reincorporated as a profit organization with Brother Strike as president. He met personal tragedy at this



time when his company plane crashed, killing Mrs. Strike and another person. He was not expected to live, but recovered and was back on the job for F. H. McGraw & Co. in two months.

A project of the firm which made headlines was the Atomic Energy Plant at Paducah, Kentucky, which was the largest single government contract given to a private construction firm up to that time. Brother Strike was president of the New England Steel Development Corporation which received a certificate of necessity from the National Security Resources Board to construct New England's first integrated steel mill.

Brother Strike was with McGraw until 1962. He was a partner in Strike and Meissner before forming his present firm.

He has received citations from the Navy Department, the War Department, and the University of Illinois.

Wormser and Smith Honored by Columbia

Two members of Theta Tau have been cited by the Columbia Engineering Council for meritorious service. They are FELIX E. WORMSER, *Columbia '16*, and ARTHUR V. SMITH, *Columbia '33*. Brother Wormser had retired as chairman of the council, and Brother Smith was a leader in the centennial observances of the School of Engineering at Columbia.

Felix E. Wormser

Brother Wormser has been vice president of St. Joseph Lead Company since 1947. During the Eisenhower administration he was Assistant Secretary of the Interior for mineral resources.

He began work in 1916 as a mining engineer for Cornucopia Mines, followed by work as a U.S. mineral surveyor and as a mining engineer for the U.S. Bureau of Mines. He served on the editorial staff of McGraw-Hill from 1920 to 1925. From

1925 to 1947 he was a consulting mining engineer and from 1928 to 1947 he was secretary-treasurer of the Lead Industries Association. Brother Wormser is co-author of *Marketing of Metals and Minerals*, published in 1925.

He is a Fellow of AAAS and a member of AIME, SAME, and SAE. He has been vice president of the Mining and Metallurgy Society of America and chairman of the Engineering Council of Columbia. He has served on the Munitions Board and the advisory board of the War Production Board; he is a member of the Primary Lead Producers' Industry.

Brother Wormser was honored by the Columbia Engineering School Alumni Association with its Egleston Medal in 1956.

Arthur V. Smith

Brother Smith is a patent attorney with Curtis, Morris & Safford; he has been with



Dean John R. Dunning (left) and Engineering Council chairman Donald V. Lowe (right) congratulate Felix E. Wormser, *Columbia '16*, and Arthur V. Smith, *Columbia '33*, on their having been cited by the Council for meritorious service.

the firm for more than 25 years. He graduated from Columbia College in 1931, received his B.S. in 1932, and his degree in electrical engineering in 1933. In 1938 he earned his law degree from New York U.

During World War II he was a member of the U.S. Power Squadron. He was also on the Naval Ordnance Board and connected with the Manhattan Project.

Brother Smith has been very active in Columbia alumni affairs. He has been ex-

ecutive director of the College Fund, a member of the College Council, a member of the Engineering Council, vice president of the Alumni Federation, president of the Columbia University Club, and a director of the Varsity "C" Club. Columbia College awarded him the Alumni Medal in 1947 and he is a member of the Thomas Eggleston Associates of the Engineering School.

Brother Smith is a member of Phi Gamma Delta and the New York Yacht Club.

Pittinger Heads Shell Pipe Line Company

JAMES H. PITTINGER, *Colorado Mines '49*, was named president of Shell Pipe Line Corporation, Houston, Texas, in November 1965. He has spent his entire career with Shell, having joined Shell Oil Company in 1949 as a junior geologist in the Exploration Department.

He remained in some area of exploration until 1963, serving in Tulsa, Oklahoma, New York City, North Texas, and Houston. In 1961 he had a special assignment in Nigeria's Niger Delta.

By 1963 Brother Pittinger had advanced to the position of exploration manager of the Houston area. He was then named a public affairs fellow of the Brookings Institute in Washington, D.C. This six-month program is designed to acquaint business men with internal operations of the Federal Government. Brother Pittinger's assignment was in the Department of the Interior.

He was then assigned to be exploration manager for Shell's head office in New York. In November 1963 he became general manager of purchasing-stores at the head office and he held that position until he assumed his present duties.

Brother Pittinger served in the Navy Air Force during World War II. He is a member of the American Association of Petroleum Geologists, a Fellow of the Geological Society of America, and a member of the American Petroleum Institute, the National



Petroleum Council, the Transportation Association of America, and the Association of Oil Pipe Lines. He is a committee member of many of those organizations. Brother Pittinger is also a trustee of Shell Companies Foundation, the United Fund of Houston, and the Harris County Council Boy Scouts of America. He is a member of the Advisory Committee of the School of Business of the University of Houston.

Dr. Spalding Receives Award; Leave of Absence

by Alan Bahler, Phi '67, and James Walter, Phi '68



DR. ALBERT R. SPALDING, *Purdue Hon. '37*, received the Western Electric Fund Award for "excellence in engineering instruction" by the American Society for Engineering Education. This award is made annually to the outstanding teacher in the Illinois-Indiana section of the society.

Brother Spalding was graduated from Lehigh in 1937. He received his M.S.M.E. from Purdue in 1942 and his Ph.D. in 1945. He is a professional engineer in Indiana. Brother Spalding was made an honorary member of Phi Chapter of Theta Tau in 1950.

As head of the Department of Freshman Engineering since 1953, he has contributed immeasurably to engineering education at Purdue University and to the students who have sought his counsel. In the area which has grown increasingly complex due to expansion of basic knowledge and revolutionary advancements in technology, he has achieved success by pioneering an outstand-

ing program for freshman engineers. In the fall of 1958 the Honors Program was developed to identify and challenge the superior student. Since the Honors Program began, the quality of the engineering curriculum has increased so remarkably that the regular program for all freshman engineers is now comparable to the 1958 Honors Program for the superior students. In the Honors Program, through counseling, students are encouraged to begin a program of self-study during the summer before they enter college. Not only are students counseled individually and encouraged to qualify for advanced courses, but new courses and innovations in teaching methods have been so successful that they have served as a model at Purdue and at other universities for similar programs.

Brother Spalding is co-author of a textbook, *Elementary Heat Power and Thermal Engineering*, widely used in engineering classrooms throughout the country. He has also contributed Chapter X, "Engineering as a Profession," to the book, *Student Engineering Manual*, soon to be published by McGraw-Hill. His chapter is a study of the engineer in comparison to the scientist and the technician.

Brother Spalding was instrumental in "Operation Facelift," a remodeling of the chapter house. Although his present work load prevents him from acting as Chapter Adviser, he is still a very good friend of the Fraternity.

On Sunday, January 8, Phi Chapter held a formal dinner in honor of Brother Spalding, who has taken a leave of absence to join a group of U.S. educators going to Kabul, Afghanistan, to establish a university there.

Present at the dinner were Dr. and Mrs. Spalding; Dr. Edward Thoma, *Purdue Hon. '38*, president of Indiana Institute of Technology, and Mrs. Thoma; Dr. Joseph Oppenlander, *Case '52*, Chapter Adviser; James

Mahaffey, *Purdue '51*, and Mrs. Mahaffey; Gene Nottoli, *Purdue '52*, and Mrs. Nottoli; Nick Trbovich, *Purdue '54*; Al Hribar, *Purdue '65*; and Bill Lautner, *Purdue '66*.

After the dinner, speeches were given by Brothers Thoma and Mahaffey and by Re-

gent Mynhier. Brother Spalding was presented with an engraved pen set and his name was added to Phi's plaque listing past advisers. The presentation was followed by an informal hour of reminiscing and farewells to Brother Spalding.

Cervenka is President of ASTME

ARTHUR CERVENKA, *Columbia '41*, has been installed as president of the 40,000-member American Society of Tool and Manufacturing Engineers. He is staff engineer consultant for manufacturing management for Grumann Aircraft Engineering Corporation of Bethpage, New York.

Brother Cervenka joined Grumman in 1941 as assistant chief tool engineer, and has been chief equipment and process engineer, manager of equipment and process engineering, and director of corporate facilities for the company.

He was a charter member of the Long Island Chapter of ASTME and has held all elective chapter offices. He has held national offices in the organization since 1957, and received its Award of Merit in 1959.

Brother Cervenka has served on technical committees for the American Standards Association, the Aerospace Industries Association, and the AIA. The American Society of Mechanical Engineers awarded him a certificate for his leadership in development of codes and standards.

He is a registered professional engineer in New York and is a member of NSPE and the New York Society of Professional Engi-



neers. He is a member of Columbia College Alumni Association and a life member of the Columbia Engineering School Alumni Association. Brother Cervenka is listed in *Who's Who in America* and *Who's Who in the East*.

The qualified engineer of today realizes the limitations of science and technology. But with this realization, he is better able to assess the true potential for great engineering accomplishments. He realizes that in spite of substantial progress so far, only a start has been made in overcoming the great world challenges we face in the future. The broad-gauge individual looks to the future with every degree of confidence, ever knowing life will not be easy.

"A new engineer is emerging. His analytical and technical background is his base. True understanding and tolerance are his creed. Pride and perseverance are his motivation. With these, he is uniquely qualified to go forth and lead this land we love and perhaps for the first time in history take advantage of the unlimited opportunities nature has given us."—H. ROY CHORR, *Ohio State Hon. '48*, in *The Bent of Tau Beta Pi*.

In Memoriam

PROF. ROBERT W. ARLQUIST, *Missouri at Rolla '24*, died December 29, 1966. He had been chairman of the Electrical Engineering Department at the University of Detroit until 1965, and retired after 40 years of teaching at the college level in August. Brother Arlquist received his master of science degree at the University of Pittsburgh, and was on the faculty there until 1939, when he went to Iowa State University. He went to Detroit in 1952. His industrial experience was with Atlantic Transport and Cosmopolitan Steamship Lines, Westinghouse Electric Corporation, Brown Engineering Company, and Travellers Indemnity Company. He was also a consultant for Drake University. Brother Arlquist was a registered professional engineer in Michigan and Iowa, and was a member of ASEE, IEEE, Tau Beta Pi, Eta Kappa Nu, and Sigma Tau. He is survived by his wife, three sons, seven grandchildren, and a sister.

CLENN H. ALVEY, *California (Berkeley) '19*, died October 25, 1966. He was president of the Uvalde Rock Asphalt Company, San Antonio, Texas. Brother Alvey was also a member of Phi Delta Theta.

EARLE B. BLICKENSTAFF, *Colorado Mines '25*, died November 10, 1966 at his home in Mojave, California. He was co-owner and manager of the Standard Hill Mine. Brother Blickenstaff was a member of Beta Theta Pi. He is survived by two daughters and seven grandchildren.

THOMAS L. BRIGGS, JR., *North Carolina State '44*, died May 20, 1965 in Manchester, Connecticut. He was a senior project engineer in the Component Development Department of Pratt & Whitney Aircraft, East Hartford, Connecticut. Brother Briggs served in the Navy during World War II as a lieutenant (j.g.) on a destroyer. In 1946 he joined Allis Chalmers in Milwaukee as an engineer, and in 1948 he went to Pratt & Whitney. Brother Briggs is survived by his wife.

HUGH LEE BURCHFIEL, *California (Berkeley) '22*, died November 2, 1966 in Dallas, Texas. He had retired about two years ago from Cities Service Oil Company, but continued to do consulting work in Dallas. Brother Burchfiel was employed after graduation as a geologist for Standard Oil Company of California, and spent 30 years with the company and its subsidiaries, the California Company and Standard Oil Company of Texas. In 1934 he was sent to Arabia by Standard Oil Company of California, where he was a member of the geological exploration group which made the biggest oil discovery the world has known to date. The exploration was made by aerial photos, by automobile, and by camel. A few years ago Brother Burchfiel retired as chief geologist of Standard Oil Company of Texas, and went to work for American Petroleum Company of Dallas, a small independent. He sold the company to Columbian Carbon, which later merged with Cities Service Oil Company. Brother Burchfiel is survived by two daughters, two grandchildren, a brother, and two sisters.

EVERETT ARTHUR CARLSON, *Case '20*, died November 5, 1965 in Rocky River, Ohio. He was employed in the Engineering Department of the National Carbon Company, a division of the Union Carbide Corporation, for almost 35 years. He was also a Mason of long standing. Brother Carlson is survived by his wife.

GEORGE T. CONRAD, JR., *George Washington '45*, died November 13, 1966 at his home in Glen Mar Park, Maryland. He was a senior member at the National Bureau of Standards. Brother Conrad was employed by Herbert L. Wilson & Associates, a consulting engineering firm, before he joined the NBS in 1950. He developed a method for measuring current noise in resistors which has been adopted as a military standard and as an international standard. As project leader of the NBS Transistor Testing Laboratory, his studies of the aging behavior of transistors has resulted in more reliable screening techniques used in the Navy's Polaris program. Brother Conrad was the author of numerous technical articles. He was a member of Sigma Alpha Epsilon, and was a member of the American delegation to an International Electrotechnical Commission meeting in Interlaken, Switzerland. Brother Conrad is survived by his wife, three children, his parents, two half-sisters, and a brother. (*The Evening Star*)

CHARLES E. CREDE, *Carnegie Tech '35*, died December 29, 1964 in Altadena, California. He is survived by his wife.

FRED S. ERINGER, *Case '31*, died June 4, 1966 in Warren, Ohio. He was an expeditor at the Warren Plant of Republic Steel, and formerly had been mechanical superintendent at the plant. He was a member of the Iron and Steel Engineers Association, the Ohio Professional Engineers, the Youngstown Bridge Association, and Sigma Nu Fraternity. Brother Eringer is survived by his wife, a son, two daughters, his father, a sister, and two brothers. (*The Tribune Chronicle*)

ROBERT E. EVENSON, *Montana Tech '50*, died September 3, 1966 in Sacramento, California. He was assistant district geologist for the U.S. Geological Survey.

JOHN H. FOLWELL, *Iowa '27*, died May 26, 1966 in Rochester, New York. He was manager of manufacturing services at Eastman Kodak Company's Kodak Park Works. Brother Folwell had joined Eastman in 1928 as a chemical plant engineer. He became supervisor in the plant, assistant superintendent in 1934, and then worked on the executive production staff at the main office in 1941-42. In 1944 he returned to Kodak Park and he assumed his last position in 1954. Brother Folwell was active in community services. He was former vice president of the Rochester Safety Council, a trustee of Brick Presbyterian Church, a member of the advisory board of the University of Rochester's Department of Chemical Engineering, and a mem-

ber of the national board of the Boy Scouts of America. He had received the Silver Beaver Award from the Boy Scouts. He was a member of Sigma Xi, Phi Lambda Epsilon, and Tau Beta Pi. Brother Folwell is survived by his wife, four sons, a daughter, two brothers, a sister, his mother, and eight grandchildren.

JOHN P. FRY, *Carnegie Tech '27*, died November 21, 1966 in Flemington, Pennsylvania. He was employed by the New York and Pennsylvania Paper Company of Johnsonburg, Pennsylvania, as construction engineer for 35 years, then at the Hamermill Paper Company, Lock Haven, Pennsylvania, as power superintendent for four years. Brother Fry was a member of Sigma Alpha Epsilon Fraternity and the Pennsylvania Society of Professional Engineers, and was a Past Master of the Masonic Order. He is survived by his wife, a son, a daughter, and two grandchildren.

CHARLES EDWARD GAUGNER, *Ohio State '33*, died October 16, 1966 in San Manuel, Arizona. He established the Carma Manufacturing Company in Tucson and in California 18 years ago, and pioneered the development of a small jet plane and a supersonic tow target. The company manufactured aircraft equipment and auto coaches. The firm's name was changed to Ceva Manufacturing Company last year after the sale of the California branch. Brother Gagner was a member of Rotary, Masonic orders, Sons of the American Revolution, the Fraternal Order of Police, the Tucson Press Club, and the IEEE. He was listed in *World's Who's Who in Commerce and Industry*. Brother Gagner is survived by his wife, his mother, a daughter, a son, a brother, a stepson, three grandchildren, and one step-grandchild. (*Tucson Daily Citizen*)

CHARLES MILLER GLASGOW, *Colorado Mines '10*, died January 24, 1967 at his home in Los Olivos, California. He was a retired mining engineer and a noted California landscape artist. Brother Glasgow was a member of a pioneer Missouri family and attended Washington University in St. Louis before graduating from Colorado School of Mines. He engaged in mining exploration and operations in Colorado and New Mexico for many years and served as a consulting engineer and geologist for Empire Zinc Corporation and other mining concerns. In 1939 Brother Glasgow retired and moved to California. He took up oil painting and was a member of the Santa Barbara Art Association. He also was a member of Phi Delta Theta Fraternity. Brother Glasgow is survived by his wife and two sisters. (*Santa Barbara News-Press*)

OLIVER S. HAGERMAN, *Minnesota '18*, died January 24, 1967 while on a visit to San Francisco. He was retired chairman of the boards of Charleston Group companies of Columbia Gas System, and lived in Lewisburg, West Virginia. Brother Hagerman served as an ensign in Navy in World War I, and joined St. Paul Gas Light Company after the war. He was later an engineer with the American Light and Traction Company in Chicago, and was president of the Atlantic Seaboard. He joined the Columbia System in 1937, and was elected president and general manager of the Charleston Group

companies in 1946. In 1951 he became chairman of the companies. Brother Hagerman was a director of the Charleston National Bank, a director of the Charleston Area Chamber of Commerce, Red Cross and YMCA, and a director of the American Gas Association. He was a member of the Charleston Rotary Club, Sons of the American Revolution, and Masonic orders. Brother Hagerman is survived by his wife and four sons. (*The Charleston Gazette*)

RUDOLPH O. HERRIG, *Coe '19*, died February 6, 1967 in Delray Beach, Florida.

RALPH N. HOFFMAN, *Kansas '13*, died December 16, 1966 in Portola Valley, California. After graduation from the University of Kansas, he worked in Chile for the Chile Copper Company from 1913 to 1920. In 1925 he returned to Chile as mechanical superintendent for Andes Copper Company. Brother Hoffman returned to the States in 1940 and was construction superintendent for Phelps Dodge in Mound, Arizona until his retirement, when he moved to California. He was a member of the AIME, Rotary, and Masonic orders. Brother Hoffman is survived by his wife, two sons, and a daughter.

RALPH A. LOVELAND, *Michigan Tech '14*, died December 5, 1966 in Ann Arbor, Michigan.

GORDON R. LUNT, *Iowa '21*, died December 6, 1966 in Fort Lauderdale, Florida, where he had retired in 1950. He had been manager of sales and construction of bridges, tanks, wind tunnels, structural steel work, and water works for Pittsburgh-Des Moines Steel Company. He was president of Cable Casket Company, Richmond, Indiana. Brother Lunt was a member of Phi Delta Theta, the Liberal Arts Society, the Opera Guild, and numerous clubs. He was the author of numerous articles on pipelines, suspension bridges, pneumatic foundations, and wind tunnels, and was listed in *Who's Who in Commerce and Industry*. Brother Lunt is survived by his wife and three step-sons.

STEPHEN D. MOXLEY, SR., *Alabama '22*, a charter member of Mu Chapter, died February 22, 1967 as the result of an automobile accident in which his wife was also killed. He had retired in 1963 as president of American Cast Iron Pipe Company, Birmingham, Alabama. He served the company for 40 years, joining it in 1923 as a draftsman and advancing through posts as chief engineer, assistant to the vice president, vice president, executive vice president, and president in 1955. Brother Moxley was chosen as Birmingham's "Man of the Year" in 1960 in recognition of his many service activities. He was chairman of the Water Board, the Jefferson County Christmas Seal sale, and of the Radio Free Europe fund for Alabama, and was a trustee and director of numerous civic, religious, and cultural activities. He was a Fellow of AIME and a member of the State Board of Registration for Professional Engineers and Land Surveyors, the Engineers Club of Birmingham, Pi Tau Sigma, and Omicron Delta Kappa. He was also a charter member of the Tau Beta Pi chapter at Alabama. He received a citation from the University of Ala-

THE GEAR OF THETA TAU



Stephen D. Moxley, Sr.

hama in 1951 and was serving as an honorary adjunct professor of mechanical engineering there. Brother Moxley is survived by a daughter and two sons, including STEPHEN D. MOXLEY, Jr., Alabama '49, and by two brothers and four sisters. Theta Tau was represented at Brother Moxley's memorial service by Past Grand Regent William K. Rey and a delegation of Mu actives and alumni.

PROF. LUTE J. PARKINSON, Colorado Mines '23, died September 26, 1966 in Avignon, France. He was professor emeritus of the Colorado School of Mines and an internationally recognized mining engineer. His home was in Pismo Beach, California. Brother Parkinson was connected with many of the world's great mining firms during his career. He was assistant general manager of DeBeers Consolidated Mines Limited in South Africa, general superintendent of the Anglo-Lautaro Nitrate Company in Chile and of the Braden Copper Company in Chile, and was a director of the Triax-Traer Coal Company. For 10 years beginning in 1952, he was head of the Department of Mining Engineering at Mines, where he helped establish the Mining Research Laboratory and the Golden Symphony Orchestra. He was a talented clarinet player. Colorado School of Mines awarded him the silver Distinguished Achievement Award in 1950. Brother Parkinson had a great interest in Africa, and wrote *Memoirs of African Mining*, an autobiography and commentary. In 1956 he was a visiting lecturer to Italy, and in 1959 he lectured at universities in England, Germany, and Africa. Brother Parkinson is survived by a son, a daughter, a sister, and two brothers, including GERALD PARKINSON, Colorado Mines '25. (*Mines Magazine*)

JOSEPH G. POWELL, Ohio State '34, died February 26, 1966 in Connecticut. He was head of the Engineering Evaluation Division of the U.S. Navy

Underwater Sound Laboratory. After his graduation from Ohio State, Brother Powell joined the Power and Light Company in Columbus as an electrical construction engineer. In 1943 he was appointed an ensign in the U.S. Navy and was assigned to the U.S. Navy Underwater Sound Laboratory as BuShips project officer. In 1947 he was discharged with the rank of lieutenant in the Navy Reserve. He joined the staff as a civilian, where he remained until his death. Brother Powell was a member of Masonic orders in Columbus and in Hartford and New London, Connecticut, and of the Eastern Connecticut Chapter of the Navy League. He is survived by his widow in Waterford, Connecticut.

OWEN B. PYLE, MIT '26, died December 4, 1966 in Flourtown, Pennsylvania. He was also a member of Alpha Delta Phi.

MAURICE NORTHPROP QUADE, Illinois '25, died June 12, 1966 while on a business trip to Sea Island, Georgia. He was senior partner in the engineering firm of Parsons, Brinckerhoff, Quade & Douglas in New York City, and was to have retired on July 1. His home was in West Orange, New Jersey. After he received his M.S. degree from Illinois, he became a structural engineer with the firm of Waddell & Hardesty in New York. The firm later shared office space with Parsons, Klapp, Brinckerhoff & Douglas, and Brother Quade worked for both firms. Among the bridges designed by him are the Buzzards Bay Bridge on Cape Cod, the George P. Coleman Memorial Bridge in Yorktown, Virginia, and the Pelican Island Causeway, Galveston, Texas. His highway projects include the Richmond-Petersburg Turnpike and the Hampton Roads Bridge-Tunnel in Virginia, the Dupont Circle Underpass in Washington, and a section of the New Jersey Turnpike. His structural projects include the Hoboken Marine Terminal for the Port of New York, a study to improve and increase the capacity of the Panama Canal, and design of a combat operations center for the North American Air Defense Command. Brother Quade won ASCE's Thomas Fitch Rowland Prize in 1955, and last year the University of Illinois granted him one of the first College of Engineering Alumni Honor Awards. Also last year he was cited by *Engineering News-Record* as being "among the many men who serve the best interests of the construction industry." Brother Quade was a registered professional engineer in 17 states and the Panama Canal Zone, and his many organizations included ASCE, Consulting Engineers Council, NSPE, American Institute of Consulting Engineers, and the Engineering Division of the American Road Builders' Association. He was chairman of the Coordinating Committee on Relations of Engineers in Private Practice with Government. A "Maurice Northrop Quade Lounge" for the civil engineering faculty in the new Civil Engineering Building at the University of Illinois has been established by his partners and friends. Brother Quade is survived by his wife, a son, a daughter, and four grandchildren.

ROBERT P. SHAW, Colorado Mines '45, died October 7, 1966 in Long Beach, California. He is survived by his wife, two sons, and a brother.

HAROLD F. SHORE, Missouri '22, died April 28, 1966 in Boerne, Texas. After graduation, Brother Shore was employed with mining firms in Idaho and Missouri, and in 1926 he went to Japan as mining superintendent with the Tokiwa Company, Ltd. of Tokyo. In 1927 he returned to the States and was employed by Geophysical Research Corporation until 1932 when he joined in the organization of the Independent Exploration Company in Houston, Texas. Brother Shore retired in 1939, but during World War II he returned to the company to supervise a lens grinding project for the Navy. He had lived in Boerne, Texas since 1949, and his wife survives him there. (MSM *Alumnus*)

LESTER C. THOMAS, Colorado Mines '12, died December 11, 1966 in Denver, Colorado. He was vice president of Hyers Electronics Company. Brother Thomas worked in engineering for a short time before entering the U.S. Naval Aviation Forces in 1918. In the 1920's he was secretary-treasurer of Mountain States Tractor Company. He became president of the Thomas Hickerson Motor Company from 1921 to 1955, and he assumed his last position in 1955. Brother Thomas was a member of Beta Theta Pi. He devoted much time to Colorado School of Mines. He was a member of the Board of Trustees from 1945 to 1947 and served as president from 1949 to 1957. He had been a member of the board of directors of the Colorado School of Mines Foundation since 1947. Brother Thomas was awarded the Mines Silver Distinguished Achievement Medal in 1954, and the Board of Trustees has announced that a new dormitory will be named in his honor. (*Mines Magazine*)

DR. ROBERT J. VAN DE GRAAFF, Alabama '22, a charter member of Mu Chapter, died January 1, 1967 in Boston, Massachusetts. He was a noted scientist who developed the Van de Graaff generator. He took his B.S. and M.S. degrees at the University of Alabama, then studied physics at the Sorbonne University in Paris and later went to Oxford University as a Rhodes Scholar, where

he earned his Ph.D. degree. He joined the Palmer Physics Laboratory at Princeton University in 1929, and went to MIT in 1931 as research associate. It was there that he developed the particle generator. During World War II Brother Van de Graaff was director of the Federal high voltage radiographic project of the Office of Scientific Research and Development. In 1946 he founded the High Voltage Engineering Corporation of Burlington, Massachusetts, a leading producer of the particle accelerator. Brother Van de Graaff received many prizes and honors, including the Naval Ordnance Development Award in 1946, the Duddell Medal of the Physical Society of Great Britain in 1947, the Charles B. Dudley Medal of the ASTM in 1948, the Bonner Prize of the American Physical Society in 1966, and honorary degrees from the University of Utrecht in the Netherlands, Florida State University, and the University of Alabama. Brother Van de Graaff is survived by his wife, two sons, and a brother.

ELLWOOD G. WASHBURN, Kansas '16, died January 4, 1967 in Kansas City, Missouri. He was a retired engineer for the Brown-Strauss Corporation. Brother Washburn was a Mason and a Shriner. He is survived by his wife, a daughter, three sisters, and four grandchildren.

WALTER W. WENTZ, Minnesota '14, died December 19, 1966 in Blue Earth, Minnesota. He had retired as head of the Electrical Department of Dunwoody Institute in Minneapolis in 1956, and lived in Elmore, Minnesota during the winter and Remidit during the summer. After his graduation from the University of Minnesota, Brother Wentz was employed by the General Electric Company at Schenectady, New York and St. Louis, Missouri. He entered the service in 1918 as a second lieutenant Air Force pilot. In 1921 he joined the Dunwoody Institute in the position he held until his retirement. Brother Wentz was a member of the Methodist Church, the American Legion, and the Masons. He is survived by his wife, three sisters, and two brothers, including CLARENCE A. WENTZ, *Minnesota '27*.

25 and 50 Years Ago in Theta Tau

25 YEARS AGO

The Fifteenth Biennial Convention met in St. Louis three weeks after Pearl Harbor. An atmosphere of seriousness pervaded the activities, as all chapters reported men leaving for service and plans were made for meeting the problems of the war.

Alpha Chapter was planning its annual canoe trip from Taylor's Falls to Stillwater.

As usual, Zeta Chapter sponsored the Queen of the engineers' Hob Nail Hop.

The Governor of North Carolina spoke at Rho Chapter's initiation banquet.

(From the Spring 1942 *GEAR*)

50 YEARS AGO

A mass meeting was held at Columbia University on the "war question," and a majority of students expressed willingness to serve.

THE *GEAR* carried a list of members serving with the Militia on the Mexican border.

Kappa Chapter sponsored intercollegiate debates by members of the engineering colleges of various branches.

Prof. George Louderback, Epsilon, reported on a two year geological field trip to China.

(From the 1917 *GEAR*)

Alumni Notes

MINNESOTA

A GEORGE W. JENSE, '10, is retired and is living in Escondido, California.

DAVID M. GILTINAN, '15, is president and general manager of Eskew Smith & Cannon, wholesale distributors in Charleston, West Virginia.

PHIL J. LAUBENCE, '15, is retired; he lives in Coral Gables, Florida.

JOHN T. BAILEY, '29, is project manager for Chemical Construction Company, New York City. He lives in Short Hills, New Jersey.

LOYD A. DUSCORA, '45, is assistant chief of the Engineering Division for the U.S. Army Corps of Engineers in Philadelphia, Pennsylvania. His home is in Cinnaminson, New Jersey.

HARRY T. SWANNON, '48, is president of Coster Sales, Inc., Larchmont, New York. He lives in Norwalk, Connecticut.

RICHARD F. MOORHOUSE, '50, is a senior engineer with Lockheed Missiles & Space Company. He is located in Saratoga, California.

JULIO CORBIERO, '51, is a senior staff scientist for AVCO Missile Systems Division in Wilmington, Massachusetts. His home is in Malden.

RICHARD E. HUBY, '57, is a senior commercial development engineer for Phillips Petroleum Company in Villa Park, Illinois. He lives in Carol Stream.

JAMES MCCARVILLE, '64, is now working as a development engineer for Minnesota Mining and Manufacturing, St. Paul, Minnesota. He lives in West St. Paul.

CHARLES OLESON, '64, is now working in New Product Development at Combustion Engineering, Windsor, Connecticut. He was formerly with Pratt & Whitney Aircraft in East Hartford, Connecticut. Brother Oleson is in the evening MBA program at the University of Hartford.

EDWARD KOTRICH, JR., '66, is a purchasing agent for Actumetal Products, Minneapolis.

MICHIGAN TECH

B GEORGE A. MORRISON, '04, is retired; he lives in Fountains, Florida.

EDWARD J. HANN, '08, is retired and is living in Walnut Creek, California.

S. H. LORAIN, '17, is retired; he lives in Lund, British Columbia.

FRANCIS B. GRIFFITH, '22, retired in September from the presidency of Wyandotte Terminal Railroad Company. He has been elected chairman of the Executive Committee of the Board of Directors of Wyandotte Savings Bank, Wyandotte, Michigan. Brother Griffith lives in Grosse Ile.

NORMAN R. SIEWERT, '36, is president of Siewert Equipment Inc. and Kinclow Corporation of New York and New Brunswick, Canada. He lives in Rochester, New York.

COL. EDWIN R. DECKER, '41, has been awarded the Republic of Korea "Order of Service Merit, Third Class." The award was given for his work with the Republic of Korea Army, and for his concern towards improvement of Korean-American relations. Among other honors he has received is the Silver Medal of Thanks for his support of the Boy Scout program of Korea.

EARL D. CAMPBELL, '43, is a purchasing agent for General Electric Company, Erie, Pennsylvania. He lives in North East, Pennsylvania.

RICHARD AGRICOLA, '53, is supervisor of the Ordnance Applications Laboratory at Martin Company, Denver. His home is in Littleton, Colorado.

JOHN W. BURLINGAME, '54, is a metallurgist for the Frankford Arsenal of the U.S. Army in Philadelphia, Pennsylvania.

HUGH McSHANE, '58, is president of Progressive Air Company, Inc., Lansing, Michigan.

F. R. SCHMIDT, '58, is employed as a flight officer with United Air Lines, which he joined in September 1960. He lives in Ypsilanti, Michigan.

W. DONALD JACOBS, '60, is a mechanical engineer for Bethlehem Steel Corporation in Baltimore, Maryland.

COLORADO MINES

T THOMAS G. FOULKES, '22, is retired from the Bethlehem Steel Corporation. He lives in Bethlehem, Pennsylvania.

RUFERT B. LOWE, '22, is retired from the Union Carbide Corporation; he lives in Locust, New Jersey.

JOHN ROBERYSON, '22, is retired and is living in Bel Air, Maryland.

PAUL D. BLISS, '26, is a mechanical engineer for American Cyanamid in Piney River, Virginia. His home is in Amherst.

THOMAS P. TUBCHAN, '35, is general manager of the Organic Chemicals Division of American Cyanamid Company, Bound Brook, New Jersey. His home is in Rumson.

L. J. BREWER, '39, is a senior mining engineer for International Minerals Engineers, Grand Junction, Colorado.

JACK D. POWERS, '39, is district overseer for the Watch Tower Bible Society in Montevideo, Uruguay, South America.

H. D. REDDING, '47, is a drilling superintendent for Phillips Petroleum Company in Borger, Texas.

MILES T. RADEK, JR., '48, is doing geological data processing for Creole Petroleum Corporation in Caracas, Venezuela.

JOHN G. COWAN, '49, is a senior drilling engineer for Tenneco Oil Company. He is located in Oklahoma City, Oklahoma.

CHARLES E. MELBYE, '50, has been appointed chief geologist-mining of the Natural Resources Division of Union Pacific Railroad Company. He has moved to Whittier, California.

DAVID R. COLE, '52, has joined John I. Schumacher in the Strategic Minerals Exploration Company, Grand Junction, Colorado. Brother Cole has been senior metal mine inspector for the Colorado Bureau of Mines since 1961. Prior to that he was project engineer with the Idarado Mining Company in Telluride, Colorado.

EDWARD W. HEATH, '54, is assistant district geologist for Sun Oil Company in Athlone, Texas.

ROBERT B. STECK, '57, is director of marketing for Multi-Amp Corporation, Cranford, New Jersey. His home is in Belmar.

DARYL C. DRICKERHOOF, '64, has been promoted to first lieutenant while serving with the 36th Engineer Battalion at Fort Irwin, California. He is a platoon leader in the battalion's Company B.

CASE



ANDREW L. JAMES, '24, is retired; he lives in Clearwater, Florida.

WILLIAM P. VON BEHREN, '25, is manager of engineering support operation for General Electric Company, Bridgeport, Connecticut. His home is in Fairfield.

MAURICE F. CHASS, JR., '26, is secretary-treasurer of the Manufacturing Chemists' Association, Inc., Washington, D.C. He lives in Kensington, Md.

JOHN C. MILLER, '26, has formed his own company, Miller Gear Company, in North Ridgeville, Ohio. He had been executive vice president of Skidmore Gear Company in Cleveland. His other experience has been with Ohio Injector Company, Van Dorn and Dutton Company, National Tool Company, and as Ohio representative for the American Gear Company.

ANDREW G. THARLING, '28, is group leader for plant engineering for Union Carbide Corporation, South Charleston, West Virginia.

ALFRED S. WILLARD, JR., '38, is senior staff power plant engineer for Armstrong Cork Company, Lancaster, Pennsylvania.

DAVID M. BARRETT, '46, is engineering manager for Keleket, a division of LFE, Inc., in Waltham, Massachusetts. His home is in Bedford.

RICHARD C. HAAS, '47, is manager of construction market development for General Electric Company in Louisville, Kentucky.

BENJAMIN F. AVERY, '48, has been elected a Fellow of the Illuminating Engineering Society. He is supervisory engineer in the Large Lamp Department, General Electric Company, New York, New York.

RUSSELL D. CROUCHILL, '49, manager of special lamp application, Large Lamp Department, General Electric Company, Cleveland, Ohio, has been elected a Fellow of the Illuminating Engineering Society.

WALTER RAYNER, '50, is an associate editor with Conover-Mast Publications, Inc., New York City.

KELLY M. DYER, II, '52, is a sales engineer for Pittsburgh Plate Glass Company in Pittsburgh, Pennsylvania.

ROBERT C. KAUFFIELD, '53, is a technical representative for Du Pont, Wilmington, Delaware. His home is in Newark.

EDWARD S. MONARCHI, '56, is principal analyst for Creole Petroleum Corporation in Tia Juana, Zulia, Venezuela.

HOWARD J. HORTON, JR., '60, is a computer analyst for Sun Oil Company, Philadelphia. His home is in Springfield, Pennsylvania.

DAVID R. HAMLIN, '64, is an engineer for Eastman Kodak Company, Rochester, New York.

ROBERT W. OLIPHANT, '64, is a graduate student at Case.

LOUIS CORIEN, '66, was married last August, and is a graduate student at Case in control engineering under an NDEA Fellowship. He is living in Mayfield Heights, Ohio.

CALIFORNIA (BERKELEY)

EDR. RICHARD J. RUSSELL, '19, professor of geography and geology and director of the Coastal Studies Institute at Louisiana State University, was Hitchcock Professor for September-October, 1965 at the Berkeley campus of the University of California. In addition to a series of public lectures on geomorphology, he took part in conferences and colloquia

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on the campus. Brother Russell is a Past Grand Regent of Theta Tau.

WILLIAM HENRY COREY, '27, is retired and is living in Woodland Hills, California.

JOHN ELIOT ALLEN, '33, is head of the Department of Earth Sciences at Portland State College, Portland, Oregon.

CORNELIUS K. HAM, '51, is manager of operations for Cerro de Pasco Petroleum Corporation, Lima, Peru.

BURTON B. BARNES, '57, is a research engineer in the field of ocean mining for Lockheed Missiles & Space Company, Sunnyvale, California. His home is in Tiburon.

DR. JOHN M. DE NOYER, '57, is deputy director for nuclear test detection of the Advanced Research Projects Agency of the Department of Defense, Washington, D.C. He lives in Chevy Chase, Md.

REX E. OLAEN, '57, is now senior geologist with the Western Division of Humble Oil and Refining Company, Los Angeles. In 1966 he became a certified professional geologist and a certified petroleum geologist.

KANSAS

Z **PAUL S. FOX**, '20, is a retired civil and sanitary engineer. He lives in Kissimmee, Florida.

DRAN A. MCGEE, '26, chairman of the board of Kerr-McGee Corporation, Oklahoma City, delivered an address before the Atomic Industrial Forum Annual Conference in November.

CARL A. POPPINO, '26, is at Arizona State University. He is working on a project, "K.U. Engineers, 1925-27," in which he is contacting alumni of those classes.

ROY F. DENT, JR., M.D., '20, is a medical doctor in Colorado Springs, Colorado. He worked for General Electric as an electrical engineer for eight years before entering medical school.

THE REV. DONALD C. LITTLE, '29, retired as a colonel after 30 years in the Army Engineers. He then attended seminary and was ordained a priest in the Episcopal Church. His pastorate is in Macon, Georgia.

STEPHEN A. DEMING, '31, is working for his doctorate in Tucson, Arizona.

CHARLES W. CLUTE, '33, is superintendent of manufacturing engineering for Eastman Kodak Company, Rochester, New York.

LOYD F. CHRISTIANSON, '35, is president of Electronic Associates, Inc., West Long Branch, New Jersey. His home is in Rumson.

FRED SMITHMEYER, '38, is serving as acting chairman of metallurgy at KU.

DONALD L. FLANDBERG, '39, is district engineer for Spanall Inc., Kansas City, Missouri. He lives in Mission, Kansas.

HUGH W. MAGRUDER, '39, is a sales specialist for General Electric Company in Charlotte, North Carolina.

FRANK C. BROCKE, '40, is a retired power plant engineer for UCC Plastics Company. He lives in Mountain Lakes, New Jersey.

ROY K. BORENE, '48, is a civil engineer (soil mechanics) for the U.S. Corps of Engineers. He was married in June 1965, and has a daughter. Brother Borene lives in Shawnee, Kansas.



KENNETH N. WHITE, '54, was named "Outstanding Young Engineer of the Year" by the Western Chapter of the Missouri Society of Professional Engineers. The award was presented during Engineers' Week, 1967. Brother White is a registered professional engineer in Missouri, Kansas, Iowa, and Colorado, and has been active in SPE, his church, and local politics. He lives in Shawnee, Kansas, and is a commissioner of Water District No. 1 in Johnson County and chairman of its Engineering Committee. Brother White is married and has a daughter and a son.

IVAN HENOMAN, '56, is an engineer in the Production Division of Standard Oil of Ohio in Russell, Kansas.

DAVID H. "ACE" BROWN, '57, is a patent examiner for the U.S. Patent Office, Washington, D.C. He was married in 1963 and has a son, David, Jr. The family recently moved to a new home in Springfield, Virginia.

CAPT. JACOB F. GOBLE, '58, has been sent to Vietnam to fly with the "Jolly Green Giant" helicopters.

ROBERT H. McCAMISH, '58, is an electronics engineer for the National Security Agency at Fort G. G. Meade, Maryland. His home is in Bowie.

FREDERICK H. "RECK" JONES, '60, is a plant engineer for Mobil Oil Company in Kansas City.

C. ROBERT FRANKLIN, '61, has been transferred by the Kresge Company from Denver, Colorado to Fremont, Nebraska, where he is manager of the Jupiter Store.

LARRY RUBCO, '61, is a plant engineer for Union Carbide.

DAVID H. STOLTENBERG, '61, is a civil engineer with the U.S. Department of Agriculture in Champaign, Illinois.

CARL McCLUNG, '62, is doing engine development and design for Caterpillar Tractor Company. He lives in Metamora, Illinois.

MIT

GUY A. SWENSON, '13, is president of the Join Swenson Granite Co., Inc., Concord, New Hampshire.

H DR. JOHN A. LUNN, '17, is a management consultant in Cambridge, Massachusetts.

WINTHROP C. SWAIN, '17, is an economic and engineering consultant in Hingham, Massachusetts.

WINGATE BOLLINS, '18, is retired, he lives in Milton, Massachusetts.

KENNETH B. WALTON, '24, is president of Kents Restaurant & Baking Company and Kents Gifts, both in Atlantic City, New Jersey.

GEORGE C. CAINE, '25, is manufacturing manager for Tidewater Oil Company in Delaware City, Delaware. He lives in Landenberg, Pennsylvania.

E. NEAL WELLS, '25, is an engineer for A.T. & T. Company, New York City. His home is in Ramsey, New Jersey.

GEORGE E. FAITHFULL, '26, is a partner in Davis, Hoxie, Faithfull & Haggood in New York City. He lives in Bedford, New York.

GERARD V. PATRICK, '28, is chairman of the board and chief executive officer of the York Division of Borg-Warner Corporation in York, Pennsylvania.

CHARLES E. WORTHEN, '28, is retired, he lives in Little Compton, Rhode Island.

COLUMBIA

C G. F. COOPER, '14, is a director of Potash Company of America. He lives in Blue Hill, Maine.

EDWARD C. MEAGHER, '21, has been appointed to the Engineering Council at Columbia. He is retired vice president and treasurer of Texas Gulf Sulphur Company, and lives in Huntington, New York.

ROBERT LEE PECK, JR., '23, is a consultant under contract to the R & D Labs of Northern Electric Company. He lives in Smithtown, New York.

JAMES A. KEARNEY, '30, is associate director for planning and development for Crucible Steel Company, Pittsburgh, Pennsylvania.

WALTER A. LAFIERRE, '30, is chief of engineering services for the Diehl Division of Singer Company. His home is in Westfield, New Jersey.

ROBERT T. BROWN, '31, is administrative assistant to the vice president for marketing of Air Reduction Company, Inc., Union, New Jersey. He lives in Mountainside.

THEODORE R. LOHR, '34, is president of International Chimney Corporation, Buffalo, New York. His home is in Williamsville.

NORMAN C. BRITT, '36, is manager of production scheduling for International Nickel Company, Huntington, West Virginia.

JOHN E. DUMARESQ, '37, is a partner in Brumbaugh, Free, Graves & Donohue, New York City. He lives in Douglaston.

CLARK B. RISLER, '37, is an advisory engineer for mining systems with Westinghouse Electric Corporation, Buffalo, New York. He lives in Williamsville, New York.

EUGENE J. KALLI, '38, is now a member of the firm of Hoggood and Calmaide in New York.

WILLIAM VERMEULEN, '40, is manager of engineering for General Electric Company, Bridgeport, Connecticut. His home is in Fairfield.

DOUGLAS C. BUTS, '42, is assistant supervisor of the Texaco Research Center, Beacon, New York. His home is in Fishkill.

WILLIAM T. GRIFFITHS, '42, is a plant engineer for Du Pont in Philadelphia. He lives in Media, Pa.

DR. GEORGE W. MICHALEC, '43, is the author of *Precision Gearing: Theory and Practice*, published in October by John Wiley & Sons. Brother Michalec is an engineering consultant for General Precision, Inc. and associate professor of mechanical engineering at Stevens Institute of Technology. He reports that in September he underwent open heart surgery at Columbia-Presbyterian Medical Center for replacement of his aortic valve with a homograft. Brother Michalec lives in Pleasantville, New York.

J. K. MLADENOV, '43, has been appointed director of transportation planning and programming in the New York State Department of Public Works. He lives in Delmar, New York.

DONALD D. SNAVELY, '43, is regional supervisor for H. H. Robertson Company in Atlanta, Georgia.

WILLIAM J. URRICH, '43, is a systems engineer with Sylvania Electronics Systems, Waltham, Massachusetts. He lives in Burlington.

DONALD D. MACLARON, '45, took a combined business and vacation trip to Europe last summer.

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HARRY W. FRITTS, '46, is a purchasing agent for Aluminum Company of America. His home is in Richmond, Indiana.

AUGUST E. JAFEGA, '46, is a professor of engineering at Trinity College, Hartford, Connecticut. His home is in West Hartford.

RICHARD H. WILSON, '48, has co-authored two chapters of a book entitled *Executive Action in Marketing*.

RICHARD G. BAXTER, '50, is a chemical engineer for Du Pont Company in Aiken, South Carolina.

JAY C. FERNANDEZ, '50, is manager of wholesale trades for the Loctite Corporation, Newington, Connecticut. He lives in Simsbury.

HERMAN BIEBER, '51, has been elected a trustee of Midwest Research Institute in Kansas City, Mo.

LAWRENCE E. PHILLIPS, JR., '51, is an associate of Loeb, Rhoades and Company, New York City.

EUGENE F. GORMAN, '52, is a project engineer for the Linsle Division of Union Carbide Corporation, Newark, New Jersey. He is the author of a number of technical articles in *Welding Journal*, including a paper awarded the James F. Lincoln Gold Medal of the American Welding Society in 1962. Brother Gorman lives in Morris Plains, New Jersey.

DAVID M. RICHMAN, '54, is a chemist for the Atomic Energy Commission, Washington, D.C. He lives in Silver Spring, Maryland.

JOHN B. CAMPBELL, '55, is principal engineer for the Bedford Laboratories of Raytheon Company in Bedford, Massachusetts. His home is in Sudbury.

D. JOHN GRASSO, '55, is manager of the Management Advisory Services Department of Price Waterhouse & Company, Philadelphia. He lives in Swarthmore, Pennsylvania.

FRED W. KRAMER, '55, is manager of fuel projects for Westinghouse Nuclear Fuel Division, Pittsburgh, Pennsylvania.

HARRY M. SPATZER, '56, is deputy director of the Vertol Division of the Boeing Company. He lives in Crum Lynne, Pennsylvania.

RUSSELL C. BACCAGLINI, '63, is a mechanical engineer with Uniroyal Inc., Wayne, New Jersey. His home is in Oakland, New Jersey.

GABRIEL A. BOSICA, '63, is a research engineer for United Aircraft Research Labs, East Hartford, Connecticut. He lives in Manchester.

MICHAEL D. WORTHAM, '64, is a technical service engineer for Enjay Chemical Company, Baytown, Texas.

JOEL M. SCHOEN, '65, is a research assistant in the Department of Electrical Engineering at Columbia.

ROBERT A. BORNFRIND, '66, is a junior engineer in the Refinery Chemical Department of American Cyanamid, Stamford, Connecticut. He lives in Bronx, New York.

NEIL FENICHEL, '66, is a student at Courant Institute, New York University.

STEPHEN K. SYBORACH, '66, is with the Peace Corps' University Education Program in Bucaramanga, Colombia, South America.

MISSOURI AT ROLLA

MATTHEW P. BRAZILL, '20, is a senior partner in Wbl. M. Taggart Company, St. Louis, Missouri.

I WILLIAM M. KEELING, '23, needed something to do in retirement, so he became police magistrate and a justice of the peace in Falls City, Nebraska. He reports that it is very interesting work.

E. E. ROBERTSON, '24, is an engineer with Mulberry Construction & Welding Company, Mulberry, Florida. His home is in Lakeland.

HARRY C. BOLON, '29, is retired; he lives in Rolla.

E. A. CRAWFORD, '29, is project manager with the Lummis Company, Newark, New Jersey. His home is in Ridgewood.

HEBERT R. OSTERWALD, '30, is a retired U.S. civil servant. He is living in Kirkwood, Missouri.

REX MONROE, '32, is a manufacturers' representative in Whittier, California.

C. G. HEALEY, '37, is sales manager for Punch Lok Company, Chicago, Illinois. He lives in Franklin Park.

MARSHALL W. TAYLOR, II, '37, is an engineer with the FPC, Washington, D.C. His home is in Hyattsville, Maryland.

GEORGE E. MACHRENS, '39, is a design engineer for Le-Touineau Westinghouse in Peoria, Illinois.

WELBY M. KING, '42, is a technology utilization representative for NASA's George C. Marshall Space Flight Center. He is located in Santa Ana, California.

JACK H. BOETJER, '43, is attending college in Hannibal, Missouri under vocational rehabilitation.

ROBERT C. RANKIN, '45, is a design engineer for Southern Pacific Company in Houston, Texas.

J. A. SCHEINEMAN, '45, is a staff engineer for Shell Pipe Line Corporation in Houston, Texas.

JAMES R. BOWMAN, '48, is chief engineer for the Terminal Railroad Association in St. Louis. He lives in Kirkwood, Missouri.

SPRING 1967

S. F. JOHNSON, '48, is mines plant maintenance superintendent for Kennecott Copper Corporation at the Ray Mines Division, Kearny, Arizona.

I. D. ROBBINS, '48, is project manager for Morrison-Knudsen Company in Panama. They are doing construction of 46 kilometers of highway on the Interamerican Highway.

ROBERT M. ROCK, '48, is an engineer with the Federal Water Pollution Control Administration in San Francisco.

RALPH W. RUYWE, '48, is a petroleum geologist in Wichita, Kansas.

DONALD G. SCHMIDT, '48, is director of research for H. Kramer and Company, Chicago, Illinois. He lives in Hinsdale.

JACK D. FONTER, '49, is senior geologist for Sinclair Oil & Gas Company in Midland, Texas.

JOHN G. KELLY JR., '49, is administrative assistant for St. Joseph Lead Company in Balmat, New York. His home is in Gouverneur.

WILLIAM COOLBAUGH, '50, is chief metallurgist for Matthiessen & Hegeler Zinc Company, LaSalle, Illinois. He lives in Peru, Illinois.

GERALD C. SHELTON, '50, is a human factors engineer for Sandia Corporation, Albuquerque, New Mexico.

S. DEAN SHIFFER, '51, is messenger of operation services for Kaiser Refractories, a division of Kaiser Aluminum and Chemicals, in Oakland, California. He lives in Lafayette.

JOHN THEISS, '51, is a partner in Heinicke & Theiss, Consulting Engineers, in St. Louis, Missouri.

JOE E. GRAY, '52, is aviation section commander for the U.S. Army in Guatemala City, Guatemala.

LELAND D. BEVERAGE, '53, is an applications engineer for the Potomac Edison Company, Hagerstown, Maryland. He lives in Frederick.

BENNIE E. STEPHENSON, '53, is chief of the scheduling unit design branch of the Corps of Engineers in Fort Worth, Texas.

JACK M. WHEELER, '53, is employed as manager of value engineering by Cummins Engine Company, Columbus, Indiana.

SEARLES T. ANDERSON, '54, is self employed in Salem, Missouri.

MAJOR GUNTHER A. HELM, '55, is with the U.S. Army Corps of Engineers in Vietnam.

JOHN M. MCCARTHY, '55, is an engineer with the Monsanto Company in East St. Louis, Illinois. He lives in St. Louis, Missouri.

JAMES F. BURTON, '57, is products manager of Jefferson Printing Company in St. Louis.

GEORGE O. GRATZ, '57, is chief engineer in the field office of the General Services Administration, Richmond, Virginia.

C. A. WENTZ, '57, is a project development engineer with Phillips Petroleum Company in New York City.

THOMAS K. BOSLEY, '61, is a research engineer with Hewlett Packard Company, Colorado Springs. His home is in Manitou Springs, Colorado.

WAYNE B. RUCK, '61, is a project industrial engineer for Kawneer Company, Niles, Michigan.

CAPT. MYRON E. GREZZO, '62, has completed a six-month ordnance officer career course at the Aberdeen Proving Ground, Maryland.

JAMES O. GUEST, '62, is a test engineer with Douglas Aircraft Company in Sacramento, California. He is engaged in static testing of the SIVB stage of the Saturn V space vehicle. Brother Guest lives in Carmichael.

WILLIAM H. BRANUM, '65, is working for a Ph.D. in civil engineering at the University of West Virginia in Morgantown.

THOMAS K. GAYLORD, '65, is working toward a Ph.D. in electrical engineering, specializing in solid state electronics and materials science, at Rice University in Houston, Texas.

ENS. NORMAN R. MEYER, '65, is serving with the U.S. Navy Civil Engineer Corps at Roosevelt Roads, Puerto Rico. Before entering OCS he was employed as a construction engineer with the Fenzel Construction Company of Jackson, Missouri.

ROGER FRANK VERSLUES, '66, is an associate engineer with the McDonnell Company, St. Louis. He lives in St. Ann, Missouri.

ILLINOIS

HARRY DABBY, '17, was made the first honorary citizen of Abilene, Kansas in recognition of his leadership in developing the Eisenhower Center there.

K

J. E. OTT, '18, is a partner of Punch Lok Company, Chicago, Illinois.

GORDON S. HEYLIN, '28, was the author of an article in the February 24, 1964 issue of *Electrical World*. He is president of Utilities Line Construction Co., Inc., Jenkintown, Pennsylvania.

BRUCE G. EATON, '30, is a senior advisory engineer for the Westinghouse Electric Corporation, Baltimore, Maryland.

GEORGE L. JOHNSON, '31, is capital area manager of the Niagara Mohawk Power Corporation, Albany, New York. He lives in Troy.

CHARLES LUCKMAN, '31, has been appointed by Gov. Reagan to represent California on the 58-

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state Educational Commission of the States. He is a member and former chairman of the Board of Trustees of the California State Colleges. Some of the recent projects of Charles Luckman Associates are the new Los Angeles Zoo, a downtown auditorium and convention center for the City of Phoenix, and the Forum in Inglewood, California, a large sports arena.

COL. JOHN R. WEBB, (Ret.) '32, is a sales engineer for Pitcher & Company, Woburn, Massachusetts. He lives in Boston. Brother Webb is past president of the Massachusetts Department of the Reserve Officers Association of the U.S., and is now a State Council member. He is also a member of the Executive Committee of the Boston Chapter of the Military Order of World Wars.

WILLIAM F. BARNES, '35, is a design engineer in the Systems Engineering Department of the Boeing Company. He is working on the Saturn/Apollo project. Brother Barnes has been with aerospace firms for the past 10 years; he has worked on the Atlas, Titan, and Saturn projects.

UTAH

A PAUL E. WILSON, '27, is manager of personnel development in the General Sales Division of Worthington Corporation, Harrison, New Jersey. He lives in Glen Ridge.

E. J. SMITH, '49, is with Canadian General Electric in Scarboro, Ontario.

FREDERICK L. SHOLES, '61, is branch sales manager for Beckman Instruments Inc., in Palo Alto, California. He lives in Sunnyvale.

PAUL M. DIMOND, '66, is an associate engineer for the Boeing Company in Seattle, Washington.

JOHN E. PHILLIPS, '66, is an electrical engineer for General Electric in Syracuse, New York. His home is in Liverpool.

ALABAMA

M JAMES H. WINGARD, '22, is retired; he lives in Bradenton, Florida.

BARTON L. HARRIS, '31, is chief of the Work Coordination Division, Post Engineer, at Fort Jackson, South Carolina. He lives in Columbia.

WILLIAM J. LUCAS, '39, is a project engineer for General Cable Corporation, Bayonne, New Jersey. He lives in Holmdel.

FRANK E. BUNCE, '41, is a structures analyst for Grumman Aircraft, Bethpage, New York. His home is in Huntington.

JAMES J. DWYER, '43, is an operations research analyst for the U.S. Army Strategy & Tactics Analysis Group, Bethesda, Maryland. He lives in Potomac.

HAROLD A. JOHNSON, '43, is vice president of Photon Inc., Wilmington, Massachusetts. His home is in Norwood.

LOUIS HARRIS PFAU, '43, is president of Signal Engineering & Sales, Inc., Birmingham, Alabama.

VINCENT LAURIA, '47, is head of the Manufacturing Engineering Department of Airborne Instrument Laboratory, a division of Cutler-Hammer. He lives in Jericho, New York.

RICHARD E. ELY, '48, is a supervisory aerospace engineer at the Redstone Arsenal of the U.S. Army Missile Command. He lives in Huntsville, Alabama.

WILLIAM B. SPEIR, '49, is a staff engineer with Rust Engineering Company, Birmingham, Alabama.

WILLIAM C. STAPELTON, JR., '49, is professor of electrical engineering at the University of Alabama.

REMO JOHN CARBONI, '50, is an engineer scientist specialist for Douglas Missile and Space System Division in Santa Monica, California. He lives in Marina del Rey.

FRED E. ARMSTRONG, JR., '61, is the proud father of a son. Brother Armstrong is employed by the Trane Company in Birmingham, Alabama.

WILLIAM S. RAIFORD, '61, is a senior project engineer for Brown Engineering Company in Huntsville, Alabama.

DAVID R. SHAW, '63, is director of the Systems Development Department for the University of Alabama Hospitals and Clinics. He lives in Homewood, Alabama.

JOHN T. HUBBARD, JR., '64, married Betty Jean Perry in July at Huntsville, Alabama.

SAMUEL D. SANDERS, '64, married Sonja Gundersen in August in Albert Lea, Minnesota. They are living in Madison, Wisconsin.

ALVIN J. CONNOR, '65, has been commissioned a second lieutenant in the U.S. Air Force upon graduation from OTS at Lackland AFB, Texas. He was assigned to Wright-Patterson AFB, Ohio.

1/LT. BERNARD E. DiGIORGIO, '65, is in Vietnam with the 523rd Engineer Company. He is a platoon leader in the unit.

ROBERT G. PRIDDY, '65, married Martha Stebbins Falt in July in Huntsville, Alabama.

JOHN M. TROHA, '65, married Julanne Kay Vail in July in Reform, Alabama.

JOSEPH E. DURHAM, JR., '66, married Betty Jane Bailey in June in Tuscaloosa, Alabama. They are living in Huntsville.

VINCENT W. SPARKS, '66, married Madeleine Rae Albert in June in Decatur, Alabama. They are living in Moulton.

CARNEGIE TECH

N DR. JOHN M. DANIELS, Hon. '22, has retired as director of admissions at Mount Mercy College, Pittsburgh, Pennsylvania. He will continue to serve as an admissions consultant at the college. Brother Daniels is a Past Grand Regent of Theta Tau.

PAUL F. MAURER, '22, is retired; he lives in Allentown, Pennsylvania.

DR. FRANKLIN H. ALLISON, JR., '23, is vice president for research of Blaw-Knox Company, Pittsburgh, Pennsylvania.

THOMAS F. BRASTOW, '27, is product manager of the Industrial Packaging Department of the American Viscose Division of FMC Corporation, Philadelphia. He lives in Villanova, Pennsylvania.

JAMES L. DAVIDSON, JR., '28, is manager of labor relations for the American Bridge Division of U.S. Steel, Pittsburgh, Pennsylvania.

CHARLES K. CARTER, '31, is self employed as a manufacturers' agent in Boca Raton, Florida.

JOHN W. CLINGERMAN, '33, is a highway construction marketing representative for U.S. Steel Corporation, Pittsburgh, Pennsylvania.

HARRY F. ZINSSER, '33, is manager of research and development for Copperweld Steel, Glassport, Pennsylvania. His home is in Bethel Park.

JOHN C. LATHAM, '36, is district manager for Leeds & Northrop Company, New York City. He lives in Chatham, New Jersey.

CHARLES D. HENDERSON, '40, is division manager for St. Joseph Lead Company, Monaca, Pennsylvania. He lives in Beaver.

ROBERT A. BUB, '42, is assistant plant manager for Mine Safety Appliances Company, Evans City, Pennsylvania. His home is in Gibsonia.

WILLIAM K. MCALEER, '42, is director of the Latin American Division of H. B. Maynard & Company, Inc., Pittsburgh, Pennsylvania.

GEORGE O. N. REED, '43, is assistant manager of Vibroflotation Foundation Company, Pittsburgh, Pennsylvania.

QUENTIN J. HOFFMAN, JR., '48, is a senior engineer with Sperry Gyroscope Company, Great Neck, New York. His home is in Sea Cliff.

PAUL D. OHRMAN, '48, is a metallurgical engineer doing sheet and strip product metallurgy for U.S. Steel Corporation, Pittsburgh. He lives in Monroeville, Pennsylvania.

FRANCIS P. SCHIERBERL, '48, is manager of engineering for the Chandler Evans Division of Colt

Industries. He is located in West Hartford, Connecticut.

JAMES O'HARA DENNY III, '49, is director of research for the J. S. McCormick Company, Pittsburgh, Pennsylvania.

PAUL G. HANNA, '49, is a manager for Westinghouse Electric Corporation, Pittsburgh, Pa.

WISCONSIN

G. E. MEYER, '51, is manager of engineering development for E. I. du Pont de Nemours and Company, Wilmington, Delaware.

H PAUL L. COWAN, '52, is a salesman for resins for Du Pont in Dallas, Texas. He lives in Richardson.

H RICHARD ALLEN PETERSON, '65, is a structural engineer for Skidmore, Owings & Merrell, Chicago, Illinois.

DWIGHT D. ZECK, '65, a graduate student in civil engineering at Wisconsin, has been awarded a \$2,500 research fellowship by the American Institute of Steel Construction, Inc.

IOWA

O DR. FREDERIC T. MAVIS, '22, is professor of mechanical engineering at the University of Maryland, College Park, Maryland.

VERN C. PRICE, '22, is retired; he lives in Centerville, Iowa.

M. J. REID, '28, has been appointed assistant manager of manufacturing services of the Kodak Park Works of Eastman Kodak Company, Rochester, New York.

CORLISS L. BENSON, '41, is superintendent for the Dravo Corporation, Pittsburgh, Pennsylvania.

L. H. SALLEN, '50, is program manager for Honeywell Inc. in St. Petersburg, Florida. His home is in Clearwater.

HAROLD R. MILLER, '54, is employed as a research specialist for Lockheed Missiles & Space Company in Sunnyvale, California. He lives in San Jose.

VIRGINIA

I DR. EARNEST J. OGLESBY, Hon. '11, is retired; he lives in Charlottesville, Virginia.

JOSEPH L. LAGIGLIA, '35, is an underwriter for Home Life Insurance Company of New York in Virginia Beach, Virginia.

JERRY L. THOMAS, JR., '41, is a senior process supervisor for E. I. du Pont de Nemours & Co., Richmond, Virginia.

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HENRY L. KENNEDY, '42, is professor of civil engineering at the University of Virginia.

LOUIS E. KILMARN, '45, is engineering manager for Scovill-Schrader Division in Dickson, Tennessee.

NEAL O. WADE, JR., '49, is vice president of Johnson & Wimsall, Inc., Springfield, Virginia. He lives in Bethesda, Maryland.

DAVID R. BROWN, JR., '50, head of the Fleet Ballistic Missile Geoballistics Division at the U.S. Naval Weapons Laboratory, Dahlgren, Virginia, has been awarded the Navy's distinguished civilian service award. The award recognizes his leadership and achievement in the development of the science of geoballistics and its application to the Polaris and Poseidon ballistic missile systems.

WILLIAM H. MORGAN, '52, has been promoted to manager of trade relations for Ethyl Corporation with headquarters in Baton Rouge, Louisiana. He earned his M.B.A. at the University of Houston in 1963. Brother Morgan and his wife have three daughters.

GEORGE E. SRIMP, '52, is a project engineer with TRW, Inc., Cleveland, Ohio. He is a member of ASME, a registered P.E. in Ohio, and received his master's degree in mechanical engineering from Case Institute in 1958.

HARRY ROBERTSHAW, '64, is doing graduate work at the University of Virginia.

GARY W. BURDETTE, '65, is an associate systems engineer for IBM in Richmond, Virginia.

NORTH CAROLINA STATE

PTALIAFERRO CRAWFORD DICKERSON, JR., '20, was recently recognized for his 40 years of service with Newport News Shipyard and Dry Dock Company. He is chief statistician for the company.

MARK SUMNER, SR., '26, retired in 1960 as postmaster in Asheville, North Carolina.

CHARLES E. HIBBARD, '29, has been named manager of the N.C. Fire Insurance Rating Bureau in Raleigh. He had been assistant manager since 1949.

W. TILFORD SMITH, '29, has been named senior vice president of the Newport News Shipyard and Dry Dock Company.

ARCHIE B. FREEMAN, '30, is regional program director for the U.S. Public Health Service in Boston. He lives in Wellesley Hills, Massachusetts.

LELAND G. ATKINSON, JR., '33, is works engineer for Westinghouse Electric Corporation. He lives in Beaver, Pennsylvania.

CARL F. LANCE, '37, is a design process engineer

doing "Dacton" design for E. I. du Pont de Nemours & Co., Wilmington, Delaware.

T. A. RIVENBARK, JR., '37, is a supervisory contract administrator for DCASD in Birmingham, Alabama.

M. S. HAYWORTH, '39, is secretary-treasurer of Brewer Paint & Wall Paper Company, Rocky Mount, North Carolina.

JAMES F. KELLY, '43, president of Aeroglide Corporation of Raleigh, has been elected chairman of the Rebel Chapter of the International Young President's Organization. The area covers eight states.

JAMES E. ADKINS, '46, is senior planning engineer for Western Electric Company in Winston-Salem, North Carolina.

EDWARD P. DAVIDSON, '47, is general production manager of Armstrong Cork Company, Lancaster, Pennsylvania.

VERNON M. BARNER, JR., '48, is a research engineer for Tenaco Experiment Inc., Richmond, Virginia.

ROBERT C. HINKLE, JR., '48, is quality assurance supervisor for Aluminum Company of America in Budin, North Carolina.

CHARLES M. RICE, '49, is a research engineer for America Eska Corporation. He lives in Candler, North Carolina.

DR. LAURENCE E. POTEAT, '50, is an associate professor of metallurgical engineering at Clemson University, Clemson, South Carolina.

JAMES P. RICKS, JR., '51, is owner and manager of Ricks Laundry & Cleaners, Edenton, N.C.

PAUL E. SMATHERS, '52, is operations staff officer at Ent AFB, Colorado. He lives in Colorado Springs.

JAMES A. LOWE, '54, is district engineer for Sylvania Lighting Products Inc., Charlotte, N.C.

HENRY O. FOSTER, '55, is a research associate for E. I. du Pont de Nemours. He lives in Newark, Delaware.

SAMUEL R. HARRIS, '56, is district sales manager for Raytheon Company in Atlanta. His home is in Doraville, Georgia.

DR. JOE W. REECE, '57, is an assistant professor at Auburn University, Auburn, Alabama.

WALTER C. THOMAS, JR., '57, is chief methods and standards engineer for Hatteras Yacht Company, High Point, North Carolina.

DAN W. ABERNATHY, '58, is an associate of Bair & Associates, Auburndale, Florida.

ROBERT W. WATERS, '60, is a management services specialist for Ernst and Ernst, Baltimore, Maryland.

WILLIAM W. HOFFER, JR., '61, is a construction engineer for M. W. Kellogg Company. He is located in Leaksville, North Carolina.

CHARLES A. STONE, '61, is a development engineer for Western Electric Company in Winston-Salem, North Carolina.

JOSEPH R. WHITE, JR., '61, is an agent for Philadelphia Manufacturer's Mutual Insurance Company. He lives in Greensboro, North Carolina.

V. E. CLAYTON, JR., '64, is an associate engineer with IBM in Durham, North Carolina.

LT. DAVID E. GURLEY, JR., '65, is with the U.S. Army at Fort Bliss, Texas.

R. A. NELSON, JR., '65, is a graduate student at North Carolina State University in Winston-Salem.



1/Lt. Donald G. Peele, North Carolina State '65, (right) receives the U.S. Air Force Commendation Medal from Brig. Gen. Paul T. Cooper.

1/LT. DONALD G. PEELE, '65, has been decorated with the U.S. Air Force Commendation Medal at Los Angeles Air Force Station, California. He was cited for meritorious service as a space vehicle engineer at the Space Systems Division.

CHARLES P. BARROW, '66, is engaged in construction and installation of nuclear power plants with General Electric Company in Clinton, Tennessee.

CHARLES L. BIGGS, JR., '66, is a graduate student at Texas A & M University, working toward a master of science in nuclear engineering.

E. STEUART CHANEY, '66, is an engineer for Westinghouse Electric Corporation, Annapolis, Maryland. He lives in Harwood.

OHIO STATE

Σ RAYMOND Q. ARMINGTON, '28, has been elected a director of Lubrizol Corporation. He has been president of Triax Company since 1960. Brother Armington is a director of numerous companies in Cleveland.

EDGAR R. ROBINSON, '29, is a supervisor for Bell Telephone Laboratories, Inc., Holmdel, New Jersey. He lives in Middletown.

CHARLES C. GRIFFITH, '35, is personnel director of Avildsen Tools & Machines, Inc., New York City. His home is in Ridgewood, New Jersey.

PAUL H. BOWEN, '40, is a senior engineer in the R & D Laboratory of Westinghouse Electric Corporation. He lives in Irwin, Pennsylvania.

VICTOR C. SMITH, JR., '43, is president of Victor C. Smith, Inc., paving contractor, in Fort Lauderdale, Florida.

RONALD FISH, '51, is plant manager of General Electric's Lamp Plant in Warren, Ohio.

R. F. SPARROW, '52, is an electrical engineer with Bucharach Instrument Company, Pittsburgh. He lives in Monroeville, Pennsylvania.

FRANK A. SDAKO, JR., '55, is an industry specialist in sales for Hooker Chemical of New York City. He lives in Cedar Grove, New Jersey.

LEO CARTER, '57, is co-author of an article, "Low Pressure Evaporation," in *Chemical Engineering Progress*, February 1966. He is a process development engineer with Eastman Kodak Company, Rochester, New York. He is also an evening school instructor for the Rochester Institute of Technology.

RALPH P. REINMANN, '58, is industrial engineering manager for the Hoover Company. His home is in North Canton, Ohio.

CLOYD DUNCAN, '59, is employed by Hughes Aircraft Company, El Segundo, California. He lives in Los Angeles.

CHEGINGTON B. ANDERSON, JR., '63, is an engineer for E. I. du Pont de Nemours & Co., Inc. in Florence, South Carolina.

HARRY L. MANNING, '63, has been commissioned a second lieutenant in the U.S. Air Force upon graduation from OTS at Lackland AFB, Texas. He has been assigned to Craig AFB, Alabama for pilot training.

JAMES R. HANNAHS, '66, is employed as a welding engineer at Hobart Brothers Company in Troy, Ohio. On January 7 he was married to Mary E. Heintzert of Troy. She is an assistant buyer at Kolter's Jewelry Store there.

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SYRACUSE

T CARL F. WORRE, '25, has a consulting firm which has a contract for most of the new Syracuse University construction.

ERHMAN S. REYNOLDS, '26, is a senior engineer for Mobil Oil Corporation, New York City. He lives in Stamford, Connecticut.

WILLIAM H. ADAMS, '28, is a senior civil engineer for the New York State Department of Public Works in Syracuse.

MORRELL H. BLESH, '28, is employed by General Electric Company in St. Petersburg, Florida.

EVERETTE D. BYVANT, '29, is retired; he lives in Thompson, Pennsylvania.

WILLIAM GIBLOW, '30, has a private practice of civil engineering in Lewiston, New York.

R. T. HEIDEN, '31, is a physical scientist for the U.S. Air Force in St. Louis, Missouri.

OTTO H. PETERS, '32, is principal power engineer in the Industrial Chemical Division of Allied Chemical Corporation in Fayetteville, New York.

JAMES Y. HOWARD, '33, is a product engineer for General Railway Signal Company, Rochester, New York. He lives in Spencerport.

MILTON S. PERNOTT, '34, is building manager and store superintendent for the Kleinhans Company, Buffalo, New York. His home is in Williamsville.

WILLIAM E. CHAMBERLAIN, '37, is manager of sales engineering for Otis Elevator Company in New York City. He lives in Berkeley Heights, New Jersey.

CHARLES W. FLORING, P.E., '37, is a manufacturers representative. His firm is C. W. Floring & H. R. Murray, Inc., Syracuse, New York.

RICHARD H. FREYBERG, '37, is general superintendent for Consolidated Edison Company in New York City. His home is in Pleasantville.

LEE C. CASTLE, '39, is assistant superintendent of Forge No. 2 for Bethlehem Steel Company, Bethlehem, Pennsylvania.

MANFRED CLAYTON, '40, is a research associate at the University of Rhode Island, Kingston.

HOWARD D. WARD, '40, is a partner in St. John Associates, Binghamton, New York. He lives in Candor.

JACK W. COTTRELL, '41, is self employed as a surveyor in Manlius, New York.

FLOYD E. WHITE, '42, is a senior civil engineer with the New York State Department of Public

Works, Utica, New York. He lives in New Hartford.

LOUIS H. LEONARD, JR., '45, is manager of machinery advanced development for Carrier Air Conditioning Company, Syracuse. He lives in Dewitt, New York.

STERLING E. MAYO, JR., '45, is a sales engineer for Henry G. Richter, Inc., Mountainside, New Jersey. He lives in Metuchen.

EDWARD F. BUCZYNSKI, '48, is a general engineer for the U.S. Army Engineers, Fort Belvoir, Virginia. His home is in Arlington.

MARTIN J. JOEL, JR., '48, is owner of Martin J. Joel & Co., New York City. He lives in Scarsdale, New York.

RICHARD C. LAMKIN, '48, is manager of development engineering for Rockwell Manufacturing Company, Skaneateles, New York. He is a member of the Society of American Value Engineers and the Experimental Aircraft Association, and has presented value analysis seminars for several companies. His other interests include building, and he has built his own home, a camping trailer, and is currently working on an airplane.

JOHN E. ZIEGLER, '52, is a senior project engineer for Hammermill Paper Company, Erie, Pennsylvania.

J. ROBERT DAV, JR., '53, is an electrical engineer for Dale Engineering Company, Inc., Utica, New York. His home is in Whitesboro.

WILLIAM J. HANNETT, '54, is a senior engineer for Carrier Air Conditioning Company, Syracuse. He lives in Dewitt, New York.

DONALD C. HUTCHINS, '56, is a senior civil engineer for the New York State Department of Public Works in Syracuse.

CLAY S. HARRIS, JR., '57, is a field superintendent for JGA Construction Corporation, Syracuse, New York. His home is in North Syracuse.

GILES C. DILG, '58, is a senior research engineer for AVCO Corporation, Everett, Massachusetts. He lives in Wellesley Hills.

MARTIN E. MULLEN, '60, has been transferred to IBM's Washington data center as a systems engineer. He is living in Greensbelt, Maryland.

CLIFFORD A. CHAFT, '65, is a field engineer for Schlumberger Well Services in Lincoln, Illinois.

1/LT. LOUIS A. GROSS, '65, is operational duty officer in the communications center of the U.S. Army Strategic Communications Command in Bangkok, Thailand.

JAMES RUSTIK, '65, is an experimental engineer at Pratt & Whitney Aircraft. He lives in East Hartford, Connecticut.

ROBERT E. SCHRAMM, '66, is a teaching assistant at Rensselaer Polytechnic Institute, Troy, New York. He is working towards his master's degree in electrical engineering.

UPSILON

Y GEORGE F. BRANGAN, Hon. '27, dean of engineering at the University of Arkansas, has been elected president of Theta Xi Fraternity.

ALBERT B. HUBBARD, '28, is a research engineer for Rotron Research Corporation, Woodstock, New York.

B. FRANK BECKMAN, P. E., '33, is owner of Frank Beckman Company in Fort Smith, Arkansas.

GEORGE L. SANBURY, '37, is head of the Optical and Controls Section of Hughes Tucson Engineering Laboratory.

CAPT. JOHN B. RANDOLPH, '41, is administrative assistant and senior aide to the deputy chief of naval operation (development). He lives in Alexandria, Virginia.

CLAUDE C. BRUYAIN, '48, is manager of Lubrication sales for the Eastern Region of Sinclair Refining Company. His home is in Atlanta, Georgia.

MAJOR HAROLD T. HAMELTON, '50, has completed the counterinsurgency course at the Air University, Maxwell AFB, Alabama. He will be assigned overseas.

JAMES M. FAWCETT, '60, is an engineer for Westinghouse Electric, Baltimore. He lives in Laurel, Maryland.

PURDUE

Φ DONALD W. CHRISMAN, '42, is assistant director of research and engineering for the Martin Company, Baltimore. He lives in Towson, Maryland.

NORMAN W. JETTA, '56, is a program requirements engineer for General Electric Company in Philadelphia. His home is in Malvern, Pennsylvania.

JAMES C. GIBBONEY, '58, is a staff engineer for Martin-Marietta Corporation in Orlando, Florida.

JAMES N. DRESSER, '59, is a patent attorney at the Laboratory for Electronics, Norwalk, Connecticut. His law degree is from the George Washington University. Brother Dresser lives in Fairfield, Connecticut.

ROGER L. PARE, '59, is now field operations manager for the Hunt Paving Company, Inc., highway contractor in Indianapolis, Indiana.

BILL BURK, '65, is a chemical engineer for Dow Chemical Company in Midland, Michigan.

ARIZONA

X GEORGE F. ZERPOSS, '40, is a consulting mining engineer in Boulder City, Nevada.

THOMAS R. VAN FLEET, '49, is a purchasing agent for Union Carbide Corporation, New York City. He lives in Weston, Connecticut.

CAPT. HARRY E. KHUMLAUF, JR., '58, is a company commander with the U.S. Army in Vietnam.

STEPHEN M. ZAPP, '64, is a member of the technical staff of Hughes Aircraft Company, Los Angeles. His home is in Hawthorne, California.

MONTANA TECH

Ψ DAVID JONES, '35, is a mining engineer in real estate appraisals for the U.S. Bureau of Indian Affairs, Washington, D.C. He lives in Arlington, Virginia.

ROBERT CORBETT, '40, has been elected president of the Montana Tech Alumni Association.

JOSEPH W. PICKARD, '41, is president of Ingersoll-Rand Philippines Inc., in Manila.

GUSTAV STOLZ, Hon. '50, has been elected president of the Montana Society of Engineers.

ROBERT H. ROWE, '58, is a graduate student at Montana Tech.

ROBERT B. DONALDSON, '62, is an engineer for Mobil Oil Corporation, Bakersfield, California.

SOUTH DAKOTA TECH

Ω BERTRAM A. MULCARY, '36, is chief of the Legislative Inquiries Division for NASA. He lives in Bethesda, Maryland.

WILLIAM R. BENN, '44, is manager of market development for Great Lakes Carbon Corporation, Niagara Falls, New York. He lives in Tunawanda.

RICHARD E. COLE, '47, is plant manager for Reynolds Metals Company in Sheffield, Alabama.

ROGER L. NOSS, '57, is an industrial engineer for Speed Queen, division of McGraw-Edison Corporation, Ripon, Wisconsin. He is working on special projects for the vice president of manufacturing.

CHARLES LEE LYRIS, '61, is an engineer for General Electric Company in Philadelphia. He lives in Malvern, Pennsylvania.

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2/Lt. DAVID F. L'ESPERANCE, '66, is the commanding officer of C Battery, 2nd Battalion, 41st Artillery. He is stationed 46 kilometers from Frankfurt, Germany. His command includes six self-propelled 155 mm. howitzers and approximately 90 men.

GEORGE WASHINGTON

Γ B

BENJAMIN C. CRUCKSHANKS, Hon. '20, is professor emeritus of mechanical engineering; he lives in Washington, D.C.

JOHN B. BRASEL, '32, is a contract officer with the United Nations in New York City. He lives in Larchmont, New York.

H. VELFEAU DARLING, '33, is president of Transportation Consultants, Inc., Washington, D.C. His home is in McLean, Virginia.

REUREN F. LEATHERWOOD, '33, is retired as a civil engineer for the Corps of Engineers of the U.S. Army. He lives in Silver Spring, Maryland.

JOHN S. SHERRY, '37, is assistant vice president of the Engineering Department of Aetna Life & Casualty, Hartford, Connecticut. His home is in West Hartford.

JOHN E. PARSONS, '38, is a staff engineer for C & P Telephone Company, Washington, D.C.

JAMES C. ROBERTSON, JR., '38, is associate director for engineering and construction in the Department of Sanitary Engineering for the District of Columbia. He lives in Arlington, Virginia.

EDWARD A. BAKER, '39, is president of E. A. Baker Company, Inc., Tacoma Park, Maryland. He lives in Rockville.

JULIUS C. RITTER, '42, is head of the Metal Fabrication Division of Boston Naval Shipyard. He lives in Lexington, Massachusetts.

MORTON BARINEAU, '43, is an electrical engineer for the Department of Defense, Washington, D.C.

GEORGE F. GEMUNDEN, '44, is an engineer working on weather satellites at the Goddard Space Flight Center in Greenbelt, Maryland. He lives in Silver Spring.

W. STANLEY MACHEN, '44, is self employed as a land surveyor. His home is in Hyattsville, Md.

GEORGE PEDA, '47, is a physicist doing sound research at the Naval Research Laboratory, Washington, D.C. He lives in Arlington, Virginia.

GLEN H. BALLOWE, '49, is executive vice president of the John A. Volpe Construction Company, Washington, D.C. His home is in Accokeek, Md.

ROBERT S. BURNS, '53, is a structural engineer for the General Services Administration, Washington, D.C. He lives in Falls Church, Virginia.

JOHN E. DODGE, '54, is a senior engineer for Atlantic Research Corporation, Alexandria, Virginia. His home is in Annandale.

GEORGE W. WAGNER, '54, is an aerospace R & D engineer for NASA's Electronic Research Center, Cambridge, Massachusetts. He lives in Beverly.

PAUL A. ROBRY, JR., '56, is a physical science administrator for the Defense Supply Agency in Alexandria, Virginia. He lives in Springfield.

JOHN B. MANNING, '57, is chief patent counsel at NASA's Electronics Research Center in Cambridge, Massachusetts. His home is in Needham.

ROBERT C. KNOWLES, '58, is section head of RF and Microwave for Vitro Electronics, Silver Spring, Maryland. He lives in Washington.

IRVIN H. SCHICK, '58, is director of extension at Montgomery Junior College, Rockville, Maryland. He resides in Silver Spring.

HERBERT S. WILKINSON, '61, is a senior engineer for Deco Communications Department of Westinghouse Electric in Leesburg, Virginia. He lives in Silver Spring.

ELIOT D. COHEN, '63, is a research electronic engineer at the U.S. Naval Research Laboratory, Washington, D.C. His home is in Silver Spring, Md.

MILLARD E. CARR, '65, is a general engineer at the Naval Facilities Engineering Command, Washington. He lives in Suitland, Maryland.

GORDON E. DAVISON, '65, is a reliability engineer for Martin Marietta Corporation in Orlando, Fla.

ELY G. FRIELOWITZ, '65, is a structural engineer doing research at the David Taylor Model Basin, Carderock, Maryland. He lives in Silver Spring.

FRANK MOY, '65, is a project engineer at the Naval Ship Systems Command, Washington, D.C.

ENS. DAVID LEE WONG, '65, is a supply corps officer with the U.S. Navy, Athens, Georgia.

LOUISVILLE

Δ B

DR. WILBUR E. KELLEY, '31, is vice president of Stone & Webster Engineering Corporation, Garden City, New York. He lives in New Hyde Park.

JOSEPH WOLF, '45, is now doing business as Joe Wolf, Realtor, in Louisville, Kentucky.

CLIFF NEELY, '53, is assistant editor of *Chemical & Engineering News*. He is located in Walldorf, Germany.

WILLIAM L. McCAMMON, '60, is a process superintendent for Firststone Synthetic Fibers Company, Hopewell, Virginia.

LEE OGDEN, Jr., '62, was married in May to Ann Wellman by the Rev. JAMES B. GUFFEY, Louisville '62. Brother Ogden is in the Plant Engineering Department of General Electric, Appliance Park, Louisville, Kentucky.

DR. MORGAN S. WAUGH, '62, is a staff engineer at IBM's Center for Exploratory Studies in Rockville, Maryland. He lives in Silver Spring.

WAYNE STATE

EB

DR. EUGENE VLASOV, '57, has been awarded his doctorate by Wayne State University. Brother Vlasov was born in Latvia, which he and his family fled at the end of World War II. He

came to the United States in 1950; he became a citizen while attending Wayne State. Brother Vlasov is now employed as an engineering specialist for LTV-Michigan, where he formulates and solves problems related to LANCE missile flight dynamics. He reads and speaks four languages and is a member of ASME, AIAA, and the American Astronautical Society. He lives with his wife and daughter in Warren, Michigan.

WALTER BURY, '64, is an associate engineer with Consumer's Power Company, Jackson, Michigan.

UTAH STATE

ZB

DEAN D. F. PETERSON, has returned to the campus after spending a year in Washington, D.C. on the staff of the Office of Science and Technology. He handled water resources research, and was also chairman of the Committee on Water Resources Research of the Federal Council for Science and Technology.

WASHINGTON (SEATTLE)

TORIN HUMPHREY, '64, is a utilities engineer for U.S. Steel Corporation, Pittsburg, California. His home is in Antioch, California.

OB

DETROIT

IB

PAUL M. ALT, '65, is a graduate student at the University of Pennsylvania, Philadelphia, Pennsylvania. He is living in Dupont, Pennsylvania.

THOMAS C. WERNER, '65, is an assistant civil engineer for New York State in Buffalo. His home is in Cheektowaga, New York.

Letters to the Editor

Dear Brother Franklin:

Ralph Nusser was at my home a couple of nights ago, and when I told him the story of my Theta Tau pin he urged me to write and tell you about it.

After graduating from the University of Kansas in 1916 (B.S. in C.E.), I worked for the American Bridge Company at Gary, Indiana for a time, then went to Tulsa, Oklahoma with the Oklahoma Structural Steel Company. While there, in the late summer of 1917, I rushed to work one morning leaving my Theta Tau pin and some change on the dresser in my room. Before night the maid had appropriated my small amount and quite a lot of other items from the house.

Now in the fall of 1943 I received a phone call in Kansas City from a woman asking if I was the Arthur W. Templin who had once owned a small gold pin with some pearls mounted in a circle? I was, of course, and arranged to meet the woman the next evening at her home.

I identified the pin by telling her that it had the word Zeta and the figure 64 on the back. She had found the pin the day before while cleaning

up a vacant apartment on Linwood Avenue in Kansas City, Missouri.

The Hainner and Tonga had been removed, but the rest of the pin was as good as new. Not too bad for a 26-year absence! And was I glad to get it back.

I retired three years ago after 30 years with the Builders Steel Company in North Kansas City and am spending most of my time relaxing and traveling.

Fraternally yours,
ARTHUR W. TEMPLIN, Kansas '16
 3445 Coleman Road
 Kansas City, Missouri 64111

Dear Brother Franklin:

Following my graduation from Michigan Tech in March 1955 (although my class was 1954) and as a result of an Air Force commission through AFROTC, I entered active duty with the USAF and spent two years doing technical intelligence work at Wright-Patterson Air Force Base in Dayton, Ohio. This tour of duty was preceded by two months of engineering trainee work at the

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Light Military Electronics Division of General Electric in Utica, New York, but can hardly be counted as significant employment since my call to active duty was imminent.

Having time while in the Air Force to reflect upon the merits of returning to and living in my native state and working for a firm engaged in consumer product activity, I joined the Heath Company, Benton Harbor, Michigan, as a project engineer in June 1957. The decision must have been a good one as I have been with Heath Company ever since. Following a promotion to senior engineer responsible for the engineering section engaged in development of amateur radio communications products, I moved into the marketing department as a product manager and am currently product manager for communications products. As you may or may not know, Heath Company manufactures the world's largest selection of electronic equipment in do-it-yourself kit form. Our product line includes not only amateur radio communications equipment but citizen's band, marine, short-wave listener, high fidelity, television, instrument, musical instrument, and educational products.

The days spent as an undergraduate living in the old Beta chapter house on College Avenue have provided me many memories. I was saddened to hear of the fire which destroyed this house but was relieved to hear that no one was seriously injured. I recall living on the fourth floor of that house with a full length leg cast on the broken leg which delayed my graduation. I often wondered at that time whether or not I could have moved fast enough in case of a similar emergency at that time. Despite several trips to the Copper Country in the past few years, I have not seen the new Beta chapter house but hope to in the near future.

I look forward to receiving the future issues of THE GEAR.

Sincerely in H & T,
C. A. ROBERTSON, Michigan Tech '54
Box 256, Route 2
Stevensville, Michigan 49127

Dear Brother Franklin:

Your good letter of October 25 and the enclosed copy of the new Theta Tau Song Book came as a very pleasant surprise, you may be sure. I showed the song to my wife, who is a real English scholar, and her comment was "This is one of your early indiscretions I hadn't heard about!"

As to the song and just how I happened to concoct it, I'm afraid that after half a century I don't remember anything about the circumstances.

I have always been interested in music, and this together with my interest in engineering has caused me to lead a double life. I put myself through Minnesota by playing the organ and directing the boychoir in a nearby Episcopal Church. During my junior year the church decided to buy a new organ, and the selection devolved upon me, as I was the only one who knew anything at all about organs.

I selected a Hall Organ, built in West Haven,

Connecticut, which was duly installed and turned out to be so good that I soon found myself demonstrating it for the company's prospects. I soon closed a sale and the firm was so pleased they appointed me their representative for Minnesota and the surrounding states. I worked for them full time during vacations, and sold about 40 organs the next few years. In 1916 through Mr. Louis W. Hill, president of the Great Northern Railroad, who had a magnificent Aeolian Residence Organ in his home, I became acquainted with this great firm who had a practical monopoly of the residential organ business because of their unique roll player. I moved to Chicago and there I became acquainted with Father Finn and his great choir, the Paulist Choristers. All this time I had an organ position and a boychoir.

I was in the Navy in 1917-18, and in 1922 was promoted to Pacific Coast manager and vice president of the Aeolian Company of California, and continued until the firm was taken over by another concern. In 1925 I built a home on the coast at Palos Verdes with a pipe organ in it, where I lived until my retirement in 1956. When my old West Haven company learned I was free they appointed me their representative for the Coast and I remained with Hall until World War II put all organ companies out of business. All this time I was organist and choirmaster of St. Luke's Church in Long Beach, where I developed a fine boychoir which became well known as St. Luke's Choristers. The movies heard my kids over the radio and began to call us for movie work, and from 1930 to 1950 we sang in 89 movies in all the major and most of the minor studios, with all the big stars of the era, including six pictures with Jeanette McDonald, and with Bing Crosby, Grace Moore and many others. In 1944 we signed a contract with Capitol Records and with our 60 boys and men we made four albums which sold well over a million records.

In 1940 when the organ business folded I knew I'd have to depend on music from then on, so went to University of Southern California and studied music and took a bachelor of music degree in 1942. My engineering training was invaluable in the organ business as it enabled me to make all my own factory drawings and organ layouts, something most organ salesmen couldn't do. In Santa Barbara I've been helping the Franciscans at the Old Mission with their music, teaching organ and conducting and training their soloists, but since the recent upheaval in the Catholic Church the Franciscans have given up the splendid musical policies they formerly followed.

You are aware from the foregoing that I have had no contact with the engineering profession since college and I don't believe I've seen a Theta Tau man since I left Minneapolis. I remember many of my brothers very well indeed and hope I may hear from some of them.

Again thanking you for the songbook, and with all good wishes, I remain

Sincerely yours in H & T,
WILLIAM RIPLEY DOHR, Minnesota '14
545 El Bosque Road
Santa Barbara, California 93103



Chapter News

The Corresponding Secretaries were asked to describe chapter service projects in their GEAR letters this issue. Essentially a service project is any chapter activity which is beneficial to persons or organizations outside the chapter itself. There is a wide variety of activities undertaken by the chapters. Not only does the recipient of the service benefit, but the Theta Taus who participate derive some direct benefit also. A number of these activities also show our Fraternity with its best foot forward and we derive some important benefits in public relations.

Readers of the chapter letters will notice that there are several service projects which are common to many chapters. This is particularly true in professional activities—Engineers' Week, in the engineering open house, EIT seminars, professional development programs. Beyond this, there are community projects and special Christmas projects with parties for orphans being a favorite.

It is a real tribute to many of our chapters that they engage in a variety of worthy projects which show concern for human welfare. Engineers all too often carry a stereotyped image which does not include service to others. Perhaps the outstanding job some of the chapters do will inspire better efforts at other chapters to launch similar activities on their own campuses.—W.E.F.

DELTA CHAPTER



During the past semester Delta Chapter sponsored a number of professionally oriented activities. Speakers were invited to present their views concerning professional engineering. In cosponsorship with ASME, Delta Chapter invited the student body to a lecture on "An Engineer's Transition from College to Industry," given by Mr. Edward Ince of Eastman Kodak Company. Those in attendance were favorably impressed with the discussion.

The Chapter has instituted an informal coffee hour. Several faculty members are invited to join with students in informal discussion on any topic. One of the favorite subjects seems to be sports car racing. The meetings open to all students, give the professors a chance to meet with the students on a social basis. The response to this program from both faculty and students has been very favorable, prompting us to continue these informal get-togethers.

The Chapter celebrated Founders' Day by dining at the plush Browns Derby Restaurant in Shaker Heights.

Our plans for the current semester include distribution of pamphlets to the faculty to increase their awareness of Delta Chapter. We look forward to a successful semester for our actives and pledges.

We would like to take this opportunity to ask alumni of Delta Chapter to correspond with us and give us ideas and assistance which will help us improve our Chapter's operations, and become the best Chapter of Theta Tau.

DANIEL GEORGE WOLF
Corresponding Secretary

ZETA CHAPTER



Since Theta Tau is a professional fraternity, Zeta Chapter directs most of its outside activity and projects toward the engineering students and faculty of Kansas University. In

the fall Zeta Chapter and the School of Engineering sponsor the annual Engineering Homecoming, during which many KU alumni in engineering return to visit the school. During Christmas the men in the house help underprivileged children in the Lawrence area by donating toys they bought for them.

In the spring we sponsor the Engineers in Training (EIT) seminars at KU. We also usually hold a Women's Engineering Banquet in the spring when all the women engineering students in the school are invited for a dinner and honored for choosing the field of engineering.

Zeta's most widely recognized project is the entranceway that we build each year for the Engineering Exposition. As the cover of the last edition of THE GEAR shows, the entranceway attracts the attention of the public and brings them into the Exposition. We are presently trying to decide on a design for this year's Engineering Exposition entranceway which we hope will be one of the most eye-catching in many years.

ALAN R. ABELL
Corresponding Secretary

THETA CHAPTER



Theta Chapter has two main fields of service to Columbia School of Engineering and Applied Science: orientation lectures and assisting in the administration of Engineering Dean's Day. The orientation lectures are an annual function at Columbia, used to introduce freshmen and sophomores to the departments which they will join in their upperclass years. Since many students are unacquainted with the requirements—both aca-

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demie and professional—of the fields that they will be working in, these lectures have always proven valuable and informative.

Dean's Day is an annual convocation of the faculty and alumni to present the most recent changes and developments in both the school itself and in professional engineering. The affair strengthens ties with the alumni of the school as a whole, and we in Theta Chapter use it to develop closer ties with our own alumni brothers. In this regard, we act as hosts for the day, acting as guides and ushers and serving as a liaison between the present and past student bodies.

STEVEN J. ROSS
Corresponding Secretary

IOTA CHAPTER



At Iota Chapter most of our members are also members of social fraternities, and we are able to initiate some of the best students on campus. We take part in many projects throughout the semester to either perform a service for others or to help develop the spirit of professionalism. Among our activities are included the selection of a Freshman of the Year, the publication of a school calendar, and organizing the Ugly Man Contest.

The Ugly Man Contest, which is presently being held, is sponsored each year by Iota Chapter on behalf of the March of Dimes. Each organization on campus may select an Ugly Man to participate in the contest. He then has one month to collect as much money as possible, using a variety of methods. At the end of the month we determine the winner and donate the proceeds to the March of Dimes. The winning Ugly Man is presented a traveling trophy which stands four feet high. Last year we presented the March of Dimes over three thousand dollars, and the contest this year is doing even better.

Another project in which Iota Chapter is taking part this semester is the annual Engineers' Day held by the school. This day is presented to give high school students who are interested in engineering a chance to visit our campus. We take part by operating a display which will give prospective students an example of an engineer's work in keeping with the purpose of our Fraternity—to develop a spirit of professionalism.

DAVID L. OTTO
Corresponding Secretary

LAMBDA CHAPTER



to give viewers a composite look at the world of engineering. While emphasizing the interdepend-

National Engineers' Week was an especially busy time for Lambda Chapter. The Engineering College sponsored departmental displays designed for the interest of non-engineering as well as engineering students. We at Lambda constructed and manned a display which sought

ence of engineering disciplines, we also sought to demonstrate to engineering students what Theta Tau could do for them, and what they could do for Theta Tau.

Lambda Chapter provided maps of the Engineering Building to facilitate finding displays and departments. We also had the pleasure of conducting the Queen Contest. The Queen reigned over the week's events, most notably the heard growing contest.

BRUCE BENTLEY
Corresponding Secretary

MU CHAPTER



Mu Chapter has been very active in the College of Engineering. This year we have sponsored several projects both for the University of Alabama and the College of Engineering. Last semester the pledge class built 13 boxes for *The Engineering News*, the College of Engineering monthly newspaper. These boxes were placed in key locations in the engineering buildings for the convenience of students.

Theta Tau also acted as cosponsor for the Distinguished Engineering Lecture series. Mu Chapter members checked attendance at these lectures and thereby kept records of attendance by each department. This attendance is part of the criteria for selecting the outstanding technical society.

On Engineers' Day, Theta Tau members set up an information booth for visitors. We also provided guides for many high school groups which came to see the projects presented by all the technical societies.

Two of our members served the university by distributing the Student Government Association weekly bulletin to all the fraternities, sororities, and dormitories.

Theta Tau has also made several contributions to civic organizations in the form of financial donations. Such donations include the Salvation Army, YMCA, and a local children's home.

Mu Chapter is looking forward to next fall when we hope to be able to move into a different house. There are several locations which will become available. A committee of four members has been appointed to negotiate with the university for housing for the Chapter.

ROBERT B. THOMPSON
Corresponding Secretary

XI CHAPTER



Xi Chapter has in the past been lax in the performance of service projects. However, the last two years have seen Xi Chapter more active in this area. Activities of recent semesters include participation in blood drives, the Engineering Exposition, high school visitations, all-campus speakers, and all-campus elections.

Xi Chapter is aiming for

100% participation in the forthcoming university blood drive. This blood drive is held twice yearly at the university.

The subject for our display at the Engineering Exposition will be the rapidly growing field of biomedical engineering. A mechanical arm will be operated by nerve impulses of volunteer participants in the audience. The nerve impulses will be amplified to move the mechanical arm. A short slide show is also planned in order that the audience will more fully appreciate this new and growing field of engineering.

High school visitation of potential engineering students will be a joint venture of the local chapter of the Wisconsin Society of Professional Engineers and Xi Chapter. These visitations give high school students the facts about engineering as a profession and as a college course of study.

All-campus speakers are sponsored each semester by Xi Chapter. The most recent program was a panel discussion featuring the interviewers from a few of the leading industrial firms. Among the topics discussed were the perfect college graduate, best courses to take while at school, the highest paying job vs. the one with the greatest advancement potential, and the desirability of graduate school training.

Another Chapter activity has been the operation of the engineering campus election booth in the recent all-university election.

DAVID F. MEER
Corresponding Secretary

OMICRON CHAPTER



The men of Omicron Chapter are busy heading various committees for the annual Engineers' Mecca Week being held March 11th through 18th.

Each year, the first two days of this celebration are devoted to an open house at the Engineering Building. Each of the five engineering departments—mechanical, electrical, civil, chemical, and industrial—sponsors a display aimed at familiarizing the layman and prospective engineering students with engineering at the University of Iowa. Theta Tau also provides coffee and doughnuts for open house visitors.

Theta Tau brothers can also be found in charge of other Mecca committees such as the Mecca Smoker and the Mecca Ball. The Mecca Smoker enables the student engineers to display their writing and theatrical ability by presenting "skits" to their fellow engineers. St. Patrick candidates for the outstanding engineering student for that year and the Mecca Queen candidates are presented and voted on by the student engineers and faculty. Awards for outstanding achievement by student engineers are also presented at the smoker.

Mecca Week is climaxed with the Mecca Ball. Faculty, student engineers, and their guests dance to a name band and enjoy the atmosphere provided by the beautiful decorations in the St. Patrick tra-

dition. St. Patrick and the Mecca Queen are crowned to bring another Mecca Week to a close.

DOUGLAS DE NIO
Corresponding Secretary

PI CHAPTER



In the last year Pi Chapter has initiated several programs designed to better orientate the engineering students to the university community. We

have sought to acquaint the first year engineers with the facilities of the various departments, the degree options from which he can choose, and the functions of the student governing bodies.

In order to familiarize the students with the location of the departmental buildings, the brothers of Pi Chapter conducted tours of the engineering complex. The touring service was made available to all engineering students and was offered for a week in order to give all those interested a chance to participate. The times of the various tours and the departments which they would cover were posted in the lobby of the engineering building. Each tour was led by a brother who was majoring in the respective department. Highlights of the tours included explanation and demonstration of research equipment and a question and answer period with a professor in the department.

In the second phase of our program the engineers were invited to attend discussion sessions designed to aid the students in their choices of majors. The third and fourth year brothers from the various branches of engineering held meetings for those interested in their particular field. At these discussion sessions students learned about the type of work they could expect to perform after graduation. The courses which they would take in a certain major were outlined with a short explanation of the nature of each course. After hearing just what a certain kind of engineer does, the students were encouraged to ask questions about anything not covered in the presentation.

To wrap up our orientation program, we compiled information about the student governing organizations along with other facts of interest to the student. We assembled these summaries into a pamphlet which was distributed to each first year man. Copies were also made available to upperclassmen at a booth located in the engineering building. In addition to the summaries of the function and purpose of the student government bodies, the pamphlet contained an explanation of Theta Tau and the phone numbers of university officials.

These programs were well received by the students and we feel made a significant contribution to their understanding of the opportunities open to them at the university. Theta Tau received much favorable publicity from these programs, and the administration expressed its thanks to the brothers for their efforts.

WILLIAM SILAS GARNETT, JR.
Corresponding Secretary

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RHO CHAPTER



Service projects are an integral part of Rho Chapter's activities. Our main community project is our annual Christmas party for a group of children from the North Carolina State School for the Blind. The brothers engage in sports activities and games with those who are not totally blind. After an afternoon of vigorous activity, each child is presented with a gift of fruit and candy, and the group as a whole is presented with a gift recommended by their host-mother. The brothers usually enjoy this party as much if not more than the children. We believe that each chapter would benefit from a project of this kind.

Rho Chapter also has many campus activities. We assist the Engineers' Council in many projects including the Engineers' Fair and the St. Patrick's Day Dance. For the Engineers' Fair, the brothers operate an information booth to assist the visitors on campus in locating the various exhibits. Rho Chapter also works with various service groups on campus on projects which include the Campus Chest fund drive.

The Chapter is always searching for new projects to benefit the community, the college, and the students at North Carolina State University.

WILLIAM J. SWAIN
Corresponding Secretary

SIGMA CHAPTER



At Sigma Chapter our major service project, which is in its first year, is the Theta Tau tutoring service which we hold weekly for freshmen. With the cooperation of Deans Yarrington and Marshall of the College of Engineering, Ron Dowell arranged for a room to be reserved for the tutoring session every Wednesday evening from 7:00 to 9:00 p.m.

Also, Dean Yarrington arranged to have the tutoring session announced by all instructors in the engineering graphics classes (a course which all freshmen must take). Other publicity included weekly notices in the *Engineering College News*. The subjects tutored are mathematics, chemistry, and engineering graphics, with two tutors in each subject. Tutoring is done primarily on an individual rather than a group basis. Response by the freshmen has been fairly good; turnouts have ranged from about five to 20. The same six tutors do not tutor every week; a rotation has been set up with the 10 to 12 brothers who volunteered to tutor. We feel that by offering this tutoring service, we are not only serving the College of Engineering and the freshmen themselves, but also publicizing Theta Tau in the process. In fact, several of the freshmen we've tutored have attended a rush function.

Besides managing the tutoring service, this quarter has been an active one at Sigma Chapter.

Attending the "Sea Cruise" party in February were five brothers from Delta Chapter at Case. They stayed at the Sigma house for the weekend. Delta Chapter plans to reciprocate by having a joint party in Cleveland sometime next fall.

Many activities are also planned for next quarter. Of primary interest and importance to alumni is the ACE Day (Annual Conference on Engineering) to be held here at Ohio State on May 12. On this evening, a banquet will be held for the Sigma Chapter alumni. Another planned function is the annual inter-chapter picnic, hosted this year by Iota Beta Chapter. This picnic will be held in early May and all Central Region chapters will be invited. Then in late May will be the annual spring formal which will complete a successful year for Sigma Chapter.

RONALD A. SCHWARTZ
Corresponding Secretary

TAU CHAPTER



Though service projects constitute a small part of Tau Chapter's activities, they are nonetheless actively pursued throughout the year.

One of the most established service projects is that of tutoring other students in the School of Engineering. Brothers are contacted by phone or in person at the chapter house, and an appointment is made between the student needing help and a brother proficient in the appropriate subject.

Another service sponsored by brothers of Tau Chapter is the annual Engineers' Ball. The affair is open to not only members of the college faculty and students, but also engineers living outside the university in the Syracuse area. Everyone who attends has a wonderful time and returns with a new and/or improved impression of Syracuse University and Theta Tau Fraternity.

More recently (with the acquisition of a chapter house) Tau Chapter brothers have installed a radio amateur communications setup. Three of the brothers hold general class amateur licenses and also hold memberships to RACES (Radio Amateur Civil Emergency Services). This makes the Theta Tau chapter house a site for the relay of civil defense communications during a national or local emergency. Further, emergency supplies or equipment can be summoned for the neighborhood in the advent of a catastrophe by radio communications through the local Civil Defense—State Police, fire, and hospital—network.

Finally, during the recent Engineers' Week activities held at Hotel Syracuse for all local engineers, brothers participated by counseling outstanding orientated high school seniors about engineering. Moreover, high school seniors interested in attending S.U. are conducted on tours provided by Theta Tau brothers. In this way prospective engineering students have a chance to view engineering before commencement of study, and even if they decide against an engineering career, they still will have a better understanding of our profession.

GEORGE LOEFFLER
Corresponding Secretary



Ray Foisset (left) helps a student with his chemistry lab report at one of Sigma's tutoring sessions.



John Bradshaw (right) helps solve a problem in chemistry as part of Sigma's tutoring effort.



Conrad Palumbo (right) helps a freshman with an engineering graphics problem during one of Sigma's tutoring sessions.



Bob Tabke (seated at head of table), Susie Albrecht, Jim Walter, and Kathy Southcomb (partially hidden) act as foster parents for Kim and Steve at dinner.



Bob Tabke, Kathy Southcomb (in background), and Susie Albrecht help Steve and Kim unwrap their presents at the Phi Christmas party.

UPSILON CHAPTER



Upsilon has proposed two service projects this spring: first, the members and pledges are to speak during Easter vacation to high school seniors about undertaking an engineering career; and second, the

Taus are to distribute pamph-

lets about engineering to incoming freshmen next semester. According to most of the members questioned, high school guidance counselors discourage students from choosing an engineering career. The above proposals are an attempt to remedy this situation and to encourage more interest in the engineering profession.

Our other projects included participation in Engineers' Week, an accelerated professional development program, and work toward a new chapter house.

Engine Week began on Sunday, March 12 with a Theta Tau banquet honoring the St. Patricia candidates. The events of the week included a stag banquet on Thursday night at which awards were given to the best and worst instructors and the best and worst beards were announced. The following night a rally was held which featured the St. Patricia candidates, and finally on Saturday there was a tug-of-war with the agriculture students, an engineering department open house, and the Engineers' Ball at which the St. Patricia and St. Pat were announced. Under the leadership of Theta Tau, the Engineering Council (representatives from engineering societies included) made the week a complete success.

In an effort to better our professional development program, chairman Steve Freeman obtained two fine speakers—alumnus members James Haden, Upsilon '58, and Neal Harmon, Upsilon Hon. '63, and is hoping to obtain a third.

Perhaps our most important task to date has been obtaining a permanent chapter house. This problem has been with us for the last three years; our present lease will expire in June of next year. Our Articles of Incorporation have returned from Little Rock and the alumni club has been working closely with us. The bug now seems to be the same as with many other chapters—finances. Donations from alumni and efforts to overcome the financial imbalance have been made. Much work is yet ahead of us here at Upsilon before this project is successfully concluded.

PHI CHAPTER



As a member of Purdue's Interfraternity Conference, Phi participates in IFC community service projects as well as our own projects. This year in conjunction with the IFC, the brothers have participated in Campus Chest and Heart Fund drives. Present plans call for participation in the annual IFC community service project, which this year will be to

renovate an old home, rebuilding and redecorating it to serve as a youth center.

Phi Chapter also sponsors an annual orphans' party before Christmas and the brothers assist our elderly widowed neighbor by shoveling her walk in the winter and helping keep up her yard in the spring and fall.

This year Phi held its annual 'Lil Urchin's Party on Sunday, December 18 at the chapter house. We obtained the names of two needy children from the area through the local Red Cross. Allotting \$15 per child from chapter funds (for clothes) and requesting an additional \$1.00 per brother (for toys), presents were purchased over several weekends and were wrapped to be spread under the tree after it was put up. The Red Cross supplied us with the clothing sizes for our two urchins, Kim and Steve, aged 5 and 7. The tree was bought and decorated the day before the party in conjunction with our winter theme dance, "Swiss Chalet," and the presents put under it then.

Brothers and their dates were foster parents for the afternoon, picking the children up, assisting them at dinner, and stacking off to the side the many presents Kim and Steve eagerly ripped open. Santa (Brother Roger Dycus) was on hand to distribute the presents. After all the presents were opened and carefully examined, the foster parents returned two happy children to their homes, soliciting promises that the gifts would be shared with their brothers and sisters.

Other recent chapter news is highlighted by the announcement that Phi placed first of the 42 fraternities on campus in scholastic ranking the past semester with a 4,790 house average on Purdue's 6.0 system. This compares with the overall men's average of 4,360. Also Chapter plans for expansion are bearing fruit with short range plans to rent an annex with a capacity of nine men, bringing housing capacity to 37 for next year. Long range plans call for expanding to one of the larger 42-man fraternity houses soon to be vacated as a result of expansion plans by other houses. An alumni board-active chapter expansion meeting this spring should produce a decision along these lines.

JAMES WALTER
Corresponding Secretary

CHI CHAPTER



The members here at Chi Chapter are now preparing for the upcoming University of Arizona Engineers' Week, March 13 through 18. A majority of the members of the Engineers' Council, the organization which sponsors and plans this week, are Theta Tau members. The major events of the week include a tug-of-war with the Aggies, a desert picnic, a knighting ceremony for graduating seniors, and the Engineers' Ball to close the week's activities on Saturday night.

At our last open meeting, Prof. Don Woods from the Civil Engineering Department gave an excellent speech on highway engineering. His talk included slides illustrating both good and bad uses of highway marking.

After one semester, everyone seems pleased with our new house. Our only complaint is that we have no chapter room to hold meetings and store all our files and other chapter equipment. We hope some day to be able to build one adjacent to the present site.

On March 5 our Chapter had a party at Mt. Lemmon, which is a nearby mountain ski resort. Due to an unusually dry winter there was no snow to speak of. As luck would have it, it snowed the day after the party.

The university recently sponsored a kite flying contest which was held in the mall in front of the Student Union Building on campus. Theta Tau member Kane Whistler, under the direction of Regent Cliff Anderson, won the contest. Our prize was a bucket of bubble gum. Once again Theta Tau and the engineers prove to be versatile in their abilities.

GARY FREDRICK
Corresponding Secretary

OMEGA CHAPTER



Omega Chapter of Theta Tau prides itself in its reputation for community service projects.

Parents' Day here at S.D. School of Mines provides an excellent opportunity for helping the school. Omega Chapter does so by serving as guides to show parents and other visitors through various departments.

We have recently taken part in a new community service here in Rapid City. It is a city-wide campaign to improve the appearance of Rapid City for the All-American City contest. We are proud to announce that our Chapter won third place in the organization competition by tearing down an old rusty sawdust burner on the edge of town.

Always active in National Engineers' Week, Omega Chapter helped advertise Engineers' Week. Last year, however, our Chapter was instrumental in organizing the program culminating the week and in obtaining a very good speaker.

Omega Chapter has also sponsored and financed a free dance for the student body at the School of Mines. The band was good and the dance was very successful.

DENNIS L. OLMSTEAD
Corresponding Secretary

GAMMA BETA CHAPTER



Gamma Beta has been very active in supporting campus activities both in the School of Engineering and Applied Science and the university as a whole.

Our Chapter entered the Interfraternity Council Greek Week games in the chariot

races. We didn't win first place, but all the brothers who built and raced the chariot agreed that it was a lot of fun.

Our Chapter's nominee, Ellen Weber, was elected Engineering Queen for 1966 and through the efforts of Gamma Beta, went on to become the University's Homecoming Queen during the last football season. Largely through the efforts of Gamma Beta, with the financial support of the SEAS alumni association, the Homecoming Queen's float was constructed and won first place in its category. Our currently sponsored girl, Linda Larsen, has been elected as Engineering Queen for 1967.

Last fall we had our annual shrimp feast which turned out to be a big success. The active brothers, the fall pledge class and some of the alumni joined in football, eating, relaxing and socializing for the whole day.

In an effort to establish better lines of communication between the students and the faculty, Brother John Lindsay started a series of small discussion groups. Because of his efforts and those of several of the brothers, our school is again having Open Forums in which all students and faculty are free to speak or ask questions. This has led to a better atmosphere throughout the school.

To help incoming freshmen adjust to college life, the brothers of Gamma Beta are active during Freshman Orientation, not only offering their friendship but also any help needed in selecting courses. In line with this, we have also started a student advisory system conducted by senior class brothers to help supplement the faculty advisory system. We hope that these projects will be of benefit both to the brothers and to the school.

LAWRENCE J. KASTNER
Corresponding Secretary

DELTA BETA CHAPTER



A new Theta Tau house in Louisville will soon be a reality. The new house is much larger than our old one and will increase rooming space by fifty percent. We will take over occupancy this summer; in the meantime, we are planning the improvements needed before moving.

Again this year much of the work for the school's Engineers' Day was carried on by the Fraternity. Our treasurer served as chairman in the Electrical Engineering Department exhibit while all brothers took part in displays in the other departments as well. The Fraternity was solely responsible for one project—the simulation of a stadium card section using a matrix of lights, miles of wire, and relays galore. Theta Tau took charge of all publicity for National Engineers' Week also.

Theta Taus on the school Student Council and University Senate have carried the ball in organizing school-sponsored events. We helped with freshman registration and have offered tutoring in freshman courses.

Theta Tau is helping in preparation for the Miss Louisville Pageant. This involves work, yet gives us a chance to be backstage as well.

This year the Chapter took 20 orphans to a U. of L. ballgame. The event was enjoyable for the children and brothers as well.



Phi Regent Mynhier presented the Past Adviser plaque and an engraved pen set to Dr. Albert Spalding.



Gamma Beta members Larry Kastner, Stacy Deming, and Doug Lowe wait for the gun in the traditional IFC Greek chariot races at George Washington University.

Eta Beta Chapter's new house near the University of Houston.



In closing we would like to mention that Prof. Miles G. Northrop, our Chapter Advisor, is retiring in June after many years with school as head of the Electrical Engineering Department. We are grateful for the service he has rendered the Chapter over the years and regret his departure.

HERBERT ANDERSON
Corresponding Secretary

ETA BETA CHAPTER

In accordance with Eta Beta Beta's professional development program, Theta Tau at the University of Houston sponsored "Highways for Communities," presented by Mr. Jim of Southwestern Bell Telephone Company. Mr. Sage's presentation was in conjunction with the annual Communication Festival, Communication in interesting topics discussed were laser beams, micro-wave and three-dimensional wrist

Tau has resumed its influence in politics with the election of Brother Charles Hill to the United States Senate. Hill is currently a senatorial seat in the United States Senate Association. The third year of a Theta Tau-backed

very eventful spring for Tau was the acquisition of a new house. The two and one-half story spacious living (party) and adjoining dining room, kitchen, family room, and a garage.

Quality spring pledge and, needless to say, looking forward to an exciting year.

VERDIE M. KOLACNY
Corresponding Secretary

CHAPTER

In the realm of service activities, Iota Beta Chapter is active and growing in all areas of campus life.

During the Fall GEAR, the members of Iota Beta Chapter have participated in several service activities. We set to the tasks of providing Halloween, Thanksgiving, and Christmas

cheer to local orphans. Each holiday event consisted of a full day's activities of rides, games, food, counseling, and gifts of toys. We also participated in food drives at Thanksgiving and Christmas in cooperation with local churches to help the needy families of the Detroit area.

Professional speakers were sponsored for topics involving "Professional Registration," "Ethics of Engineering," and "Professionalism Today."

An overall expression of fraternal brotherhood

was shown in the Chapter's active participation in the U. of D. Blood Drive. Not only was benefit brought to others outside the Fraternity, but also to the members and their families as being part of the American Red Cross Blood Bank.

In conjunction with our religious activity, the Chapter was treated to an informal discussion before two Jesuit priests on "The New Morality." Not only was there a record breaking attendance, but the expressed wish of those present was to have more of the same type of discussions.

Each branch of engineering was represented by someone from Iota Beta Chapter during Engineers' Week. The respective engineers supported this week through individual efforts on behalf of their departmental professional organizations.

We also supported as a campus political candidate a brother of Iota Beta. We know he is good and we set out to tell others of his merit. Others outside the Fraternity also helped, but it was the perseverance of fraternal brotherhood which gave the greater support to his successful campaign.

Since its establishment in February 1964, Iota Beta has been a Chapter of continual growth. We have grown fast. Watch us grow faster.

SPENCER J. J. RAINY
Corresponding Secretary

KAPPA BETA CHAPTER



Service projects have always been stressed at Kappa Beta Chapter and during this school year our Chapter has participated in several noteworthy projects.

The Chapter sponsors locally the American Red Cross Bloodmobile as an annual project.

Advance publicity is given about the appearance of the Bloodmobile in this area and transportation is provided for those who wish to make donations.

Engineers' Week is one of the highlights of the year for Kappa Beta Chapter and we were active in its support. Publicity was obtained by having announcements of the week placed on the billboards of the local banks and a local motel. Also, it was announced on the local radio station and a short program of the activities of Engineers' Week was shown by a nearby television station. A large banner telling of the week was placed on the YMCA. As is the custom for our Chapter, members served as guides for visiting high school students. As a special project this semester we sponsored a presentation by Chester B. May from the National Aeronautics and Space Administration.

The Chapter is proud to announce the erection of a bulletin board in the main engineering building. This board will be used to post announcements and information of interest to all engineering students as well as to display fraternity publicity.

This spring a group of members will visit various high schools in the state to introduce the students to engineering, to interest them in engineering as a profession, to interest them in Mississippi State University, and to familiarize the students with Theta Tau.

Route 1, Box 157
Buckingham, Va. 21921



In closing we would like to mention that Prof. Miles G. Northrop, our Chapter Adviser, is retiring in June after many years with school as head of the Electrical Engineering Department. We are grateful for the service he has rendered the Chapter over the years and regret his departure.

HERBERT ANDERSON
Corresponding Secretary

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In accordance with Eta Beta Chapter's professional development program, Theta Tau at the University of Houston sponsored "New Highways for Communications," presented by Mr. Jim Sage of Southwestern Bell Telephone Company. Mr. Sage's presentation was in conjunction

with our University Festival, Communication in Depth. Among the interesting topics discussed were communication over laser beams, micro-wave transmission, and color three-dimensional wrist watch type telephones of the future.

This semester, Theta Tau has resumed its influential position in campus politics with the election of Brother Ken Wammel and Brother Charles Hill for two of the three engineering senatorial seats in the University's Student Association. The third engineering seat was filled by a Theta Tau-backed candidate.

The highlight of this very eventful spring for Eta Beta Chapter has been the acquisition of a near perfect fraternity house. The two and one-half story, red brick house has a spacious living (party) room with a fireplace and adjoining dining room, four bedrooms, one large family room, and a garage apartment in back.

With a large and high quality spring pledge class, Eta Beta Chapter is, needless to say, looking forward to an eventful and exciting year.

EUGENE M. KOLACNY
Corresponding Secretary

IOTA BETA CHAPTER



In the realm of service activities, Iota Beta Chapter is moving and growing in all aspects of campus life.

Since the Fall GEAR, the men of Iota Beta Chapter have participated in several service activities. We set to the tasks of providing Halloween, Thanksgiving, and Christmas

cheer to local orphans. Each holiday event consisted of a full day's activities of rides, games, food counseling, and gifts of toys. We also participated in food drives at Thanksgiving and Christmas in cooperation with local churches to help the needy families of the Detroit area.

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Corresponding Secretary

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THE GEAR OF THETA TAU

We are very proud of the aluminum coat of arms and Greek letters which were presented to the Chapter by our fall pledge class. They are now mounted on the front of our chapter house.

Kappa Beta was ably represented at the national Convention by our Regent, Robert Webb. Other members of the Fraternity who had planned to attend the Convention were unable to get there. They journeyed all the way to south Tennessee where they saw the first snowflakes of their lives and retreated to the warmer climate of Mississippi. However, Brother Webb braved the blizzard and

served as chairman of the Constitution and Bylaws Committee.

Kappa Beta has had several "Mazola" parties this year and enthusiasm is now growing for our Senior Recognition Banquet which is the high point of the Chapter's social activities.

Kappa Beta Chapter was recently honored by the visit of Grand Regent Hanes who was on campus recruiting Mississippi State University engineers for the Ohio Highway Department.

FREDERICK A. SHEARIN
Corresponding Secretary

Additions to Membership

ALPHA CHAPTER

- 789 Craig Allen Frase, Minneapolis, Minn.
790 William Frank Micka, Oronoco, Minn.
791 Steven Phillip Ronning, Kenyon, Minn.
792 Brian Walter Schubert, Rochester, Minn.

BETA CHAPTER

- 976 Darny Lee Booth, Flint, Mich.
977 James Jerome David Kublak, Grand Rapids, Michigan
978 Dennis Paul Couturier, Clare, Mich.
979 Allen DeKalb Moore, Hinsdale, Ill.
980 Thomas Francis Biernat, Detroit, Mich.
981 Mark Eugene Wotell, Worthington, Ohio
982 Clarence Joseph Ehlers II, Escanaba, Mich.
983 Norbert McGuire, Decatur, Mich.
984 Douglas Alan Davies, Niles, Mich.
985 Roger David Mechon, Crystal Falls, Mich.
986 Michael Thomas Sutkowski, Bay City, Mich.
987 Joseph Barney Cyberski, Lansing, Mich.
988 Robert Paul Klenner, Jr., Ballwin, Mo.
989 John Francis Beaudry, Houghton, Mich.
990 Donald Larry Paulsen, Kalamazoo, Mich.
991 Robert James Oldmixon, Westbury, N. Y.

GAMMA CHAPTER

- 1068 John Ray Wise, Tulsa, Okla.
1069 Guy Gilbert Ray, Rawlins, Wyo.
1070 Robert Earle McKee III, Hialeah, Fla.
1071 Robert Earl Irelan, Denver, Colo.
1072 William Estes Watson, Jr., Estes Park, Colo.
1073 James Walter Colzani, Colorado Springs, Colorado
1074 Gary John Gehlhoff, Pueblo, Colo.
1075 Kenneth Leroy Rutt, Jr., Westminster, Colo.
1076 Daniel August Siek, Casper, Wyo.
1077 Rick Gene Avis, Aurora, Colo.
1078 David Anthony Nozan, Covina, Calif.
1079 Bruce Austin McKinstry, Craig, Colo.
1080 Verbon Paul Walker, Thornton, Colo.
1081 Fred Harland Lightner, Lakewood, Colo.
1082 Jay Alan Spickelmier, Lakewood, Colo.
1083 Thomas Eugene Martin, Denver, Colo.

- 1084 Robert Sterling Glidden, Colorado Springs, Colorado
1085 Thomas Warren Johnston, Manitou Springs, Colorado
1086 Glenn Clarence Scholling, Jr., Golden, Colo.
1087 Toby Todd Peterson, Cherokee, Iowa

DELTA CHAPTER

- 1073 George Gregory Samijlenko, Cleveland, Ohio
1074 Robert Charles Dolezal, North Royalton, Ohio

EPSILON CHAPTER

- 875 John Winslow Ballance, Arcadia, Calif.
876 Perren Bruce Krowne, San Jose, Calif.
877 Michael John Westall, Glendora, Calif.

ZETA CHAPTER

- 895 Robert Justice Paulette, Muscatine, Iowa
896 Paul Thomas Hetherington, St. Louis, Mo.
897 David Charles Dwyer, Shawnee Mission, Kansas
898 Robert Alan Bibb, Shawnee Mission, Kans.
899 William Edward Ege, Overland Park, Kans.

IOTA CHAPTER

- 1046 Donald Bartholomew Lambert, Granite City, Illinois
1047 Conrad William Bischof, Webster Groves, Missouri
1048 Jerry Blane Adams, Quincy, Ill.
1049 Clemens Paul Drag, St. Joseph, Mo.
1050 Richard Allan Damay, Sikeston, Mo.
1051 Jerry Keith Fuller, Kansas City, Mo.
1052 Richard Eugene Garrett, Rolla, Mo.
1053 Douglas Eugene Hoepfner, Raytown, Mo.
1054 Garry Lee January, St. Louis, Mo.
1055 Michael Joseph Klosterman, St. Louis, Mo.
1056 John Arthur Munns, Kansas City, Mo.
1057 Timothy Harrel Neet, Independence, Mo.
1058 Robert Michael Nicodemus, Nevada, Mo.
1059 Steven William Ohnmux, St. Louis, Mo.
1060 Michael Ray Woodruff, Overland, Mo.

LAMBDA CHAPTER

- 883 Steven Keith Akimoto, Salt Lake City, Utah
- 884 Lynn Kay Beckstead, Salt Lake City, Utah
- 885 Bruce Wayne Bentley, Spokane, Wash.
- 886 Richard Orlin Faussett, Price, Utah
- 887 Edward Theodore Hikkila, Teton City, Idaho
- 888 Norman Leon Porter, Vernal, Utah
- 889 Richard Lee Stair, Salt Lake City, Utah
- 890 John Robert Stephens, Salt Lake City, Utah

MU CHAPTER

- 882 James Dow Brown, Besar, Ala.
- 883 Charles Stephen Bonzangi, Mobile, Ala.
- 884 Gerald Lloyd Gober, Birmingham, Ala.
- 885 Larry Layne Hudson, Birmingham, Ala.
- 886 Jefferson Bruce Jones, Tuscaloosa, Ala.
- 887 David Lawrence Nagle, Huntsville, Ala.
- 888 Larry Michael Sessions, Birmingham, Ala.
- 889 Stephen Spencer Smith, Huntsville, Ala.
- 890 Matthew Dewitt Thomason III, Birmingham, Ala.
- 891 Robert Benjamin Thompson, Foley, Ala.
- 892 William Lonnie Weaver, Jr., Memphis, Tennessee

XI CHAPTER

- 296 Thomas Philip Garber, Manitowoc, Wis.
- 297 David Francis Meer, Thiensville, Wis.
- 298 Bruce Frederick Pease, Madison, Wis.
- 299 Allen Leroy Perkins II, Butler, Wis.
- 300 Jon Charles Schladwiler, Elmwood, Wis.
- 301 William Louis Gerard, Racine, Wis.
- 302 Victor Herbert Liebe, Stevens Point, Wis.
- 303 William Fredric Pfeiffer, New Holstein, Wis.
- 304 Arthur Lee Buttersworth III, Ashland, Wis.
- 305 Raymond Henry Charles Eisenmann, Jr., West Allis, Wisconsin
- 306 David Jerome Quam, Stoughton, Wis.
- 307 John Mitchell Van Vleet, Jr., Wauwatosa, Wisconsin
- 308 David George Werve, Kenosha, Wis.

OMICRON CHAPTER

- 719 Alfred Herbert Beh, Jr., Davenport, Iowa
- 720 Ronald John Brooks, Coralville, Iowa
- 721 William Thomas Cousins, West Liberty, Iowa
- 722 Douglas Alan De Nio, Dows, Iowa
- 723 Vernon Lenoy Garrison, Oelwein, Iowa
- 724 Craig Thomas Herdman, Rockford, Ill.
- 725 Daniel Lee Odum, Kirkville, Iowa
- 726 James Emery Park, Cedar Rapids, Iowa
- 727 Ben Smith III, Iowa City, Iowa
- 728 Clifford Douglas Stoutner, Keota, Iowa
- 729 Michael Norman Tyler, Rock Island, Ill.
- 730 Ronald K. Wieben, Guttenburg, Iowa
- 731 Theodore Daniel Werch, Independence, Missouri
- 732 Glem Frederick Zumbrennen, Monticello, Iowa
- 733 Harlan Dale Holm, Lehighville, Iowa.

RHO CHAPTER

- 728 Richard Crafton Chambers, Winston-Salem, North Carolina
- 729 Edgar Milton Harris, Jr., New London, North Carolina
- 730 Joseph Brent McCombs, Granite Quarry, North Carolina
- 731 Douglas Hill Sawyer, Winston-Salem, N. C.
- 732 William Jerry Swain, Southport, N. C.
- 733 Larry Bernice Thomas, Lillington, N. C.

SIGMA CHAPTER

- 606 Dana Jay Griggs, Mendon, Ohio
- 607 James Robert Hackett, Hubbard, Ohio
- 608 Thomas Charles Cooper, St. Marys, Ohio
- 609 Richard Eugene Mallett, Springfield, Ohio
- 610 Charles Stephen Richter, Thornville, Ohio
- 611 Phillip Randall Smith, Columbus, Ohio

TAU CHAPTER

- 682 Frederick William Boeher, Brooklyn, N. Y.
- 683 Donald Francis LaRobardiere, Jr., Parish, New York
- 684 George Lawrence Loeffler, Jr., Binghamton, New York
- 685 Leonard Michel Parren, Oneonta, N. Y.
- 686 Kenneth Charles Bousseau, Groton Long Point, Connecticut
- 687 Stephen Rodney Gottesman, Poughkeepsie, New York
- 688 Robert Robson Kaiser, East Sayville, N. Y.

UPSILON CHAPTER

- 670 Stephen Howard Freeman, North Little Rock, Arkansas
- 671 Frederick Harold Smith, Hot Springs, Ark.
- 672 Travis Ward Porter, Stuttgart, Ark.
- 673 Roman Joseph Selig III, Corning, Ark.
- 674 James Eldon McAlister, Crossett, Ark.
- 675 William Floyd Murphy, Stuttgart, Ark.
- 676 James Stanley Mattison, DeQueen, Ark.
- 677 Thomas Harrison Cogburn, Fayetteville, Arkansas
- 678 Richard Whittington Hall, North Little Rock, Arkansas
- 679 Thomas Joe Wright, Little Rock, Ark.

PHI CHAPTER

- 418 John William Lobker II, Seymour, Ind.

CHI CHAPTER

- 717 Carl Stephen Clifton, Tucson, Ariz.
- 718 William Howard Gabler, Flushing, N. Y.
- 719 Edward Thomas Hartnett, Phoenix, Ariz.
- 720 Raymond Harry Herzog, St. Paul, Minn.
- 721 Jeffrey Lynn Patrick, Tucson, Ariz.
- 722 Karl William Schade, Jr., Safford, Ariz.
- 723 Daniel Carl Wenger, Quarryville, Pa.
- 724 John O'Kane Whistler, Bellevue, Wash.

THE GEAR OF THETA TAU

PSI CHAPTER

- 488 Edward Arthur Nordquist, Anacostea, Mont.
- 489 Henry Arthur Scholz, Vancouver, B. C.
- 490 Francis Paul Koskinen, Butte, Mont.
- 491 Terrence Joseph Angove, Butte, Mont.
- 492 Gardar Godfrey Dahl, Jr., Superior, Mont.
- 493 John Lucas Sutey, Butte, Mont.

OMEGA CHAPTER

- 659 Glenn Darrell French, Canton, S. D.
- 660 Daniel Thomas Johnson, Watertown, S. D.
- 661 Michael Charles Pendo, Rapid City, S. D.
- 662 John Arch Schallenkamp, Huron, S. D.

GAMMA BETA CHAPTER

- 493 Harrison Powell Butturf, Arlington, Va.
- 494 Steven Lawrence Holt, Springfield, Va.
- 495 Lawrence Joseph Kastner, Jr., Alexandria, Virginia
- 496 Sandy Joel Marenberg, Rockville, Md.
- 497 Douglas Miel Taylor, Silver Spring, Md.

DELTA BETA CHAPTER

- 416 John Hammond Stivers, Owensboro, Ky.

EPSILON BETA CHAPTER

- 198 Michael Joseph Nagy, Lincoln Park, Mich.
- 199 Mark Frank Weberman, Detroit, Mich.
- 200 Jack Ray Carnahan, Warren, Mich.
- 201 Włodyslaw Czuhatyj, Hamtramck, Mich.
- 202 Paul Zoltan Kiss, Lincoln Park, Mich.
- 203 Dale Allen Kolody, Southfield, Mich.
- 204 Antonio Sammut, Dearborn, Mich.
- 205 Theodore Stanley Sandel, Detroit, Mich.

ETA BETA CHAPTER

- 116 Robert Sheridan Black, Houston, Tex.
- 117 Billy Mack Castleberry, Bellaire, Tex.

- 118 Richard Allan Finn, Houston, Tex.
- 119 Eugene Michael Kolacny, Houston, Tex.
- 120 George Everette Odell, Houston, Tex.
- 121 Donald Hugh Plank, Houston, Tex.
- 122 Ronald James Upchurch, Houston, Tex.

THETA BETA CHAPTER

- 48 Cetard Ernest Entrop, Seattle, Wash.
- 49 Craig Dennis Fuhrmann, Puyallup, Wash.

IOTA BETA CHAPTER

- 95 Francis Michael Joseph Ferraro, Buffalo, New York
- 96 Thomas Joseph Hemak, Chicago, Ill.
- 97 Lawrence Nicholas Canjar (Honorary), Detroit, Michigan
- 98 Robert Ignatius Beckmann, Delphos, Ohio
- 99 Paul Michael Christopher Boros, Lyndhurst, Illinois
- 100 Kevin James Cahill, Wyoming, Ill.
- 101 James Thomas Davy, Oak Park, Ill.
- 102 John Robert Duffy, Aurora, Ill.
- 103 Robert Bernard Laule, Jr., Columbia Station, Ohio

KAPPA BETA CHAPTER

- 64 Robert Edward Gwin, Jackson, Miss.
- 65 John Beaman Noblin, Jackson, Miss.
- 66 Richard Stanley Walker, Starkville, Miss.
- 67 John Richard Underwood III, Guntown, Mississippi
- 68 Ronald Webb McCleendon, Brandon, Miss.
- 69 Frank Lokey McCollum, Clinton, Miss.
- 70 David Lehmann Guice, Starkville, Miss.
- 71 Robert Alfred Novak, Jr., Gulfport, Miss.
- 72 James Darrell Haze, Corinth, Miss.
- 73 Nowell Edgar Rush, Vicksburg, Miss.
- 74 John Madison Coleman Floyd, Sallis, Miss.
- 75 Clifton Earl Groves, Greenville, Miss.
- 76 Clarence Odell Tyler, Jr., Jackson, Miss.
- 77 John Dowse Matthews, Jackson, Miss.
- 78 Thomas Lloyd Dahl, Memphis, Tenn.

IMPORTANT NOTICE TO ALUMNI

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



Theta Tau Directory

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

ERICH J. SCHRADER

ELWIN L. VINAL, 4039 West Mercer Way, Mercer Island, Washington 98040
WILLIAM M. LEWIS, 33 Pilgrim Lane, Drexel Hill, Pennsylvania 19026
ISAAC B. HANKS, 2120 Northwest Boulevard, Spokane, Washington 99205

PAST GRAND REGENTS

ERICH J. SCHRADER, *Alpha*, (1904-1919)*
GEORGE D. LOUWERBACK, *Epsilon*, (1919-1925)*
J. SIDNEY MARINE, *Eta*, (1925-1927), 45 Popham Road, Scarsdale, New York 10583
RICHARD J. RUSSELL (Dr.), *Epsilon*, (1927-1931), 4575 Highland Rd., Baton Rouge, La. 70808
FRED COPPMAN, *Lambda*, (1931-1935)*
HERMAN H. HOPKINS, *Beta*, (1935-1937), 3320 Culver Avenue, Evanston, Illinois 60201
JOHN M. DANIELS (Dr.), *Nu Honorary*, (1937-1939), 350 Pinewood Lane & Cole Road, Sarver, Pennsylvania 16055
RUSSELL C. GLASS, *Sigma*, (1939-1946), Saddleback Lane, Gates Mills, Ohio 44040

RALPH W. NUSSER, *Zeta*, (1946-1948), 609 West Dartmouth, Kansas City, Missouri 64113
NORMAN B. AMES, *Gamma Beta*, (1948-1950)*
DONALD D. CURTIS, *Omicron Honorary*, (1950-1952)*
JAMISON VAWTER, *Zeta*, (1952-1954)*
A. DEXTER HINCKLEY, *Theta*, (1954-1958), 90 Morningside Drive, New York, N. Y. 10027
CHARLES W. BRITZUS, *Alpha*, (1958-1962), 602 Crowwell Avenue, St. Paul, Minnesota 55114
WILLIAM K. REY (Prof.), *Mu*, (1962-1966), P.O. Box 664, University, Alabama 35486

* Deceased

EXECUTIVE COUNCIL

GRAND REGENT C. RAMOND HANES _____ 581 East Dickinson Blvd., Columbus, Ohio 43214
GRAND VICE REGENT C. E. WALKER (Dr.) _____ 409 W. Stadium, West Lafayette, Indiana 47906
GRAND SCRIBE ROBERT E. POPE _____ 13 Sona Lane, Saint Louis, Missouri 63141
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BETA	Established March 26, 1906	Michigan Technological University U. S. Highway 41, Houghton, Michigan 49931*
GAMMA	Established November 8, 1907	Colorado School of Mines Box 134, Colorado School of Mines, Golden, Colorado 80401
DELTA	Established May 23, 1911	Case Institute of Technology Theta Tau Box, Case Institute of Technology, Cleveland, Ohio 44106
EPSILON	Established May 4, 1911	University of California Theta Tau, Engineering Research Services Building, University of California, Berkeley, California 94720
ZETA	Established April 17, 1912	University of Kansas 1002 Louisiana Street, Lawrence, Kansas 66044*
THETA	Established May 26, 1914	Columbia University c/o Dean's Office, School of Engineering, Columbia University, New York, New York 10027
IOTA	Established February 5, 1916	University of Missouri at Rolla Student Union, University of Missouri at Rolla, Rolla, Missouri 65401
LAMBDA	Established April 29, 1920	University of Utah Merrill Engineering Building, University of Utah, Salt Lake City, Utah 84112
MU	Established January 3, 1922	University of Alabama 300 Thomas Street, Tuscaloosa, Alabama 35401*
XI	Established January 13, 1923	University of Wisconsin 1633 Monroe Street, Madison, Wisconsin 53711*
OMICRON	Established February 3, 1923	University of Iowa Theta Tau Box, Engineering Building, Iowa City, Iowa 52240
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SIGMA	Established November 29, 1924	Ohio State University 1946 Indianola Avenue, Columbus, Ohio 43201*

SPRING 1967

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THE GEAR needs news about you and other alumni. Include promotions, job changes, professional honors, family news. Send to THE GEAR OF THETA TAU, 7421 Village Drive, Prairie Village, Kansas 66208.

Name _____ Chapter _____ Class _____
Year _____

Address _____

News of yourself and/or others _____

NOTICE OF DECEASED MEMBER

Please give as complete information as possible, including biographical data known, clippings, etc. Send to THE GEAR OF THETA TAU, 7421 Village Drive, Prairie Village, Kansas 66208.

Name _____ Chapter _____ Class _____
Year _____

Address _____

Date and place of death _____

Name and address of nearest relative _____

Reported by _____ Chapter _____

Address _____

Relationship to deceased _____

RECOMMENDED STUDENTS

Mail to Robert E. Pope, Executive Secretary, 13 Soma Lane, St. Louis, Missouri 63141. Include relatives and other recommended students at accredited schools whether or not Theta Tau yet has a chapter at that school.

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

Name _____ School _____

Mailing Address _____ Major _____

_____ Expected Graduation Date _____

Remarks:

Signed _____ Chapter _____ Year _____

CHANGE OF ADDRESS NOTICE

Send to THE GEAR OF THETA TAU, 7421 Village Drive, Prairie Village, Kansas 66208.

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Send names and addresses of any alumni you know who may not be receiving THE GEAR to THE GEAR OF THETA TAU, 7421 Village Drive, Prairie Village, Kansas 66208.

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Be sure the Theta Taus you know are receiving THE GEAR.

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Make checks payable to Theta Tau Fraternity and mail to Robert E. Pope, Executive Secretary, 13 Sona Lane, St. Louis, Missouri 63141.

I enclose the following contribution to Theta Tau:

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Homes and Hotels

Most social fraternities and sororities provide housing for their membership on the college campus. So do about one-half of the Theta Tau chapters (actually it's 15 out of 29) now and the proportion is growing each year. From time to time we should examine why the Greek letter world does this and what purpose it serves.

Today on the college campus the student can live in a nice dormitory or in private housing and have very adequate facilities for housing, food, study, and other activity. All this is provided institutionally so that few students need to care why or who provides the housing and management. The old chapter house is usually in need of repair, on the verge of insolvency, and must be managed by a group of busy alumni and the student membership actually living in the house. There are usually problems aplenty keeping the place going and in good repair. Major renovation of chapter housing or building a new house call for infusions of capital and manpower from a diverse, poorly organized group.

On the surface there seems to be little reason for fraternities to continue to fight the battle in the face of well financed and professionally organized housing now available on most campuses. But they do and the reasons have little to do with providing housing as a service to the university or the chapter membership. Brick and mortar are no more "the fraternity" than they are the church, the school, or the home; but they are a place where the members can come together to carry out the purposes of the Fraternity—to develop and maintain a high standard of professional interest among its members, and to unite them in a strong bond of fraternal fellowship."

It's like contrasting the family home with a large hotel—they serve different purposes. Few of us would choose to live in a hotel when we can have a home.

It is in small group living and working together that members pursue best the purposes of the Fraternity. The individual is given status by those he lives with. At the same time the development of the individual person is a measure of the effectiveness of a living group which seeks to carry out the purposes of the Fraternity. Those who live together take something away from college and the Fraternity not available in "institutional" group living. The sociologist or psychologist might speak in terms of "interaction" or "group dynamics." However it is expressed, the result for an individual man comes out this way: lifetime friendships, fraternal fellowship, leadership training, character development, professional development. All of this can occur when men of purpose choose to live as a group. It's hard to develop these "dividends" to a college education when the purpose of housing is only to provide room, board, and study facilities. To the Fraternity the house is a vehicle to more lofty purposes and as long as these dividends come out of the fraternity house, it will continue to exist and serve the membership.—WEF

LET OTHERS KNOW YOU'RE A THETA TAU!

The following items are available from the Central Office:

Replacement shingle (membership certificate)	\$1.25
Book matches with full color coat of arms Box of 50	1.00
Ten boxes	9.50
Ball point pen with Theta Tau imprint	0.40
Black plastic portfolio with Theta Tau imprint	1.00
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Greek letter decal (package of two)	0.10

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