

THE GEAR of THETA TAU

Spring, 1960

Volume XLIX

Number 2



The **GEAR** *of*
THETA TAU



Spring, 1960

VOLUME XLIX

NUMBER 2

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

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THE GEAR OF THETA TAU

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Chapters

- ALPHA, *Founded October 15, 1904* - - - - University of Minnesota
(Chapter house) 515 Tenth Ave., S.E., Minneapolis 14, Minn.
- BETA, *Established March 26, 1906* - Michigan College of Min. and Tech.
(Chapter house) 1405 College Ave., Houghton, Michigan
- GAMMA, *Established November 8, 1907* - - Colorado School of Mines
Box 134, Colorado School of Mines, Golden, Colorado
- DELTA, *Established May 23, 1911* - - - Case Institute of Technology
Theta Tau Box, Case Institute of Technology, Cleveland 6, Ohio
- EPSILON, *Established May 4, 1911* - - - University of California
Theta Tau Box, Hearst Mining Bldg., Univ. of Calif., Berkeley, Calif.
- ZETA, *Established April 17, 1912* - - - - University of Kansas
(Chapter house) 1602 Louisiana Street, Lawrence, Kansas
- IOTA, *Established February 5, 1916* - - - - Missouri School of Mines
c/o Prof. Ralph E. Schowalter, Mechanical Engineering Department,
Missouri School of Mines, Rolla, Mo.
- LAMBDA, *Established April 29, 1920* - - - - University of Utah
University of Utah Union Building, Salt Lake City, Utah
- MU, *Established January 3, 1922* - - - - University of Alabama
P. O. Box 3156, University, Alabama
- XI, *Established January 13, 1923* - - - - University of Wisconsin
c/o Dr. G. A. Rohlich, 9 Hydraulics Lab., Univ. of Wis., Madison 6, Wis.
- OMICRON, *Established February 3, 1923* - - State University of Iowa
Theta Tau Box, Engineering Building, Iowa City, Iowa
- PI, *Established May 26, 1923* - - - - University of Virginia
Thornton Hall, University of Virginia, Charlottesville, Va.

Chapters (Continued)

- RHO**, *Established February 16, 1924* - N. C. State Coll. of Ag. and Eng.
P. O. Box 5282, State College Station, Raleigh, North Carolina
- SIGMA**, *Established November 29, 1924* - - - Ohio State University
(Chapter house) 1946 Indianola Avenue, Columbus 1, Ohio
- TAU**, *Established December 12, 1925* - - - - - Syracuse University
Theta Tau Box, College of Engr., Syracuse University, Syracuse 10, N. Y.
- UPSILON**, *Established April 7, 1928* - - - - University of Arkansas
301 North University, Fayetteville, Arkansas
- PHI**, *Established April 21, 1928* - - - - - Purdue University
(Chapter house) 416 North Chauncey, West Lafayette, Indiana
- CIT**, *Established April 23, 1930* - - - - - University of Arizona
(Chapter house) 840 E. Fourth St., Tucson, Arizona
- PSI**, *Established May 7, 1932* - - - - - Montana School of Mines
P. O. Box 335, Butte, Montana
- OMEGA**, *Established March 26, 1932* - - - S. Dakota School of Mines
(Chapter house) 107 Kansas City St., Rapid City, S. Dak.
- GAMMA BETA**, *Established March 16, 1935* - G. Washington University
Davis-Hodgkins House, George Washington Univ., Washington 6, D. C.
- DELTA BETA**, *Established May 20, 1939* - - - University of Louisville
(Chapter house) 2022 S. First St., Louisville 8, Ky.
- EPSILON BETA**, *Established May 19, 1951* - - Wayne State University
(Chapter house) 1107 West Warren, Detroit 1, Michigan

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In Memorium: Deacon Ames

By ROBERT E. POPE

Past Grand Regent, Dr. Norman Bruce Ames, Gamma Beta '17, passed away at Doctors Hospital in Washington, D. C., on March 5, 1960, after a brief illness. Burial was in Arlington National Cemetery.

Brother Ames was born in Richmond, Virginia, on July 1, 1896. The holder of eight earned degrees, he was first graduated from Mississippi State College with the degree BSEE in 1915. He held degrees also from the George Washington University, Massachusetts Institute of Technology, and Harvard University; and the degree of Doctor of Technical Sciences from the Swiss Federal Institute of Technology, Zurich, where he spent his sabbatical leave in 1951-52.

Brother Ames became the number one Charter Member of Gamma Beta Chapter twenty-five years ago when the local Phi Theta Xi was installed as a Chapter of Theta Tau in March 1935. His quarter century of membership was marked by continual service to our Fraternity and devotion to his Chapter. He served at various times as Chapter Adviser, a post he held at the time of his death. He served in various Executive Council positions, and as Grand Regent, 1948-50. At the Founders' Golden Anniversary Convention, he succeeded Founder Erich J. Schrader as Grand Scribe. In the spring of 1957 he served as Special Representative of the Executive Council, donating his time to promote extension.

Brother Ames had served on the faculty of the George Washington



University since 1920. From 1929 to 1956 he was Head of the Department of Electrical Engineering there. In 1956 he accepted a Fulbright Lectureship at the University of Ceylon, and returned as Professor at George Washington University in 1957.

Deacon Ames, as he was affectionately known to his brothers in Theta Tau and to thousands of students he had taught and advised, was a Mason and a member of Delta Tau Delta, Sigma Tau, Tau Beta Pi, and Omicron Delta Kappa. He was a Fellow of the American Institute of Electrical Engineers, and Chairman of the Washington Section, 1947-48. He was an Elder of the National City Christian Church. An outstanding civic leader, he served as President of the Montgomery County (Maryland) Charter Commission and led the successful fight for adop-

tion of a "home rule" charter in 1948. He served as an officer in both World Wars, rising to the rank of Colonel, U. S. Air Force.

He is survived by his wife, Mary Olive Jennings Ames, two daughters, two brothers, two sisters, and five grandchildren.

A memorial in the form of "The Norman B. Ames Educational Fund" has been established by the brothers of Gamma Beta.

The memory of this great Theta Tau will remain forever an inspiration to all those of us who were privileged to know him.

Gamma Beta Celebrates Its 25th

by

FLOYD MATHEWS, Gamma Beta '62

On March 12, 1960, Gamma Beta Chapter held its 25th anniversary banquet and ball. The affair was to be held in honor of its founder, Professor (Deacon) Ames. In spite of the untimely death of the Deacon, plans proceeded as scheduled as the chapter members felt that there was no less reason to honor this great man after his death.

The banquet was attended by 115 people, including alumni, some of whom came from some distance to attend. The head table was backed by white and gold paper with a large "25th" cut from red. Each woman guest was presented with a corsage of a jaqueminot with gold ribbon.

The speakers were introduced by the regent, John Roberts. The first was Ray Sullivan, past regent of Gamma Beta, who spoke a few words on the past history of the chapter, and of its illustrious founder, Brother Ames. Professor Cruickshanks, an honorary of Theta Tau who was present at the first initiation banquet in 1935 and who has known the Deacon since he first started teaching at George Washington University, then recalled some past events and expressed his deep admiration of Brother Ames. Last, but not least, George Lohnes, an alumnus of Gamma Beta, recalled some amusing and inspiring incidents in his association with the Deacon.

Brother Roberts then presented



At 25th Anniversary Banquet (l. to r.): Prof. and Mrs. Cruickshanks, Paul Kuzin, V.P. National Capitol Alumni Association, George Lohnes, Ray Sullivan, Mrs. Phyllis Willford, Dean Emeritus Frederick Feiker and his wife.



Good Listening Good Dancing

the Deacon's daughter, Phyllis Willford, with the mementos that had been prepared for the Deacon. They consisted of a scrapbook of cards and photographs that had been collected from active members and alumni of Gamma Beta, as well as from other chapters of Theta Tau, and the Executive Council; and a Paul Revere bowl engraved, "To Deacon Ames, 1960." Brother Roberts also announced that a scholarship fund to be called, The Norman B. Ames Educational Fund, is to be set up, and that the name of the annual activities award to the outstanding senior student, which was originated by Phi Theta Xi which became Gamma Beta of Theta Tau 25 years ago, has been changed from "The Theta Tau Activities Award" to "The Deacon Ames Activities Award."

Since this was also an initiation ball for the new pledges, their gears, which they were required to make as part of their pledge duties, were then judged, with the winner re-

ceiving a pocket slide rule. They also presented a skit which lampooned the new method of registration at George Washington University, registration by IBM machine. This was followed by the singing of our fraternity song by the pledges, with all members present joining in for the second go-round.

Music for dancing was provided by Don Castell's orchestra. Dancing continued until 12:30 a. m.

We were especially proud at this affair to have three of our charter members present. They were J. Harold Link, Founder Number 4; John E. Parson, Founder Number 18, and G. Chester Thom, Founder Number 24.

This was truly one of the finest affairs Gamma Beta has sponsored in years because of the large turnout. Although our hearts were saddened by our great loss, we feel we must work even harder now to duplicate the successful quarter century just completed under the inspirational leadership of Brother Ames.

Message from the Grand Regent:



GRAND REGENT BRITZIUS

There can be no doubt that Theta Tau is a Fraternity. This fact is evidenced by the strong fraternal bond that exists among the members of its Chapters and also among its alumni. The devotion of those alumni who have served and are serving on the Executive Council, as chapter advisers, as committee members, as officers of alumni associations, and as officers of house corporations confirm this belief. We are also an engineering fraternity. No more need be said, for our membership is restricted to students enrolled in engineering.

I would like to discuss in more detail our role as a "Professional" engineering fraternity. The engineering profession is undergoing a change and a more clearly defined line is being made between professional and technical activities. The word "professional" has taken on a

new meaning. The well established Founder Societies such as the American Society of Mechanical Engineers, the American Institute of Electrical Engineers, the American Society of Civil Engineers, etc., have operated for the most part in their respective technical fields. Recently the National Society of Professional Engineers has been organized to care for professional problems with a membership that includes all branches of engineering. This group has membership based on registration.

These remarks preface suggestions to our active chapters as to their professional development programs. The student branches of the Founder Societies offer programs related to their technical fields.

There exists a place for student groups that will concern themselves with professional matters. Professional engineering fraternities can help serve this need. The NSPE has undertaken a program of establishing student chapters which would fill the need but this program has not advanced far and may not because many administrators feel it duplicates the activities of the student chapters of the Founder Societies. Our chapter programs should not compete with those of the Founder Societies. Because a chapter membership is varied as to field of engineering, subjects of general common interest should be discussed. This approach will lead to your having programs that will be in the professional field. Our program could be expanded to help other than our members by arranging for speakers on professional subjects at

open meetings possibly in cooperation with other professional engineering fraternities.

Many engineers feel that engineering training in college should include more formalized courses on the aspects of engineering as a profession. A recent survey by the Engineers Council for Professional Development found that few colleges offered or required such courses and that the courses being offered ranged from those including a few lectures to those giving 3 or 4 hours credit. Many of the formal courses were given by the arts faculty as part of the humanistic-social stem of engineering education. There were several courses in the form of seminars which met, say, once a week for a term or semester, and discussed the several problems of professional practice. In some cases students made reports on given topics; in others the instructor led the discussion on the several phases of the work. In a few cases outside engineers were called in to give a series of lectures on the practice of engineering. A number of schools were giving formal courses in which were presented codes of ethics, canons of practice along with examples of and cases to illustrate the forms of professional activity. Some of these courses were given in the engineering college, while the more formal courses in ethics and philosophy were given in the arts college.

The question arises as to the identification of those subjects which should be considered as professional. I would include those pertaining to the history of the profession, characteristics of the profession, ethics, unionization, engineering society or-

ganization, registration, obligations of the engineer to society, etc. The ECPD publication, "A Professional Guide for Young Engineers" by W. E. Wickenden is an excellent reference piece for chapter use and can be obtained for \$1.00 from their office at 29 West 39th Street, New York 18, N. Y. The following listings of its contents illustrates the material it contains:

Chapter 1. The Engineer's Heritage

Chapter 2. The Threshold-Transition from Engineering Student to Engineering Graduate

Chapter 3. The Engineering Graduate — Some Important Choices and Decisions are Required.

Chapter 4. Beginning Professional Practice.

Chapter 5. The Engineer and Legal Registration—His Changing Relation to Society.

Chapter 6. Trade or Profession—The Craftsman and His Union.

Chapter 7. What and Why is a Profession?

Chapter 8. The Engineer in His Professional Relationships.

Chapter 9. The Second Mile.

Literature available through the National Society of Professional Engineers can be a help. NSPE has a list of publications that can be ordered for a small charge from their headquarters at 2029 K Street N.W., Washington, D.C. Some of these are as follows:

The American Engineer (a monthly publication)—\$1.00 a year

So You Want To Open a Consulting Office

Ethics for Engineers

Engineers for the Future
 Engineers in Federal Government
 A Professional Look at the Engineer in Industry
 Professionalism or Unionism—Facing the Issue
 The Professional Engineer in Industry
 The Professional Union—A contradiction
 Criteria for Professional Employment of Engineers
 Engineering Societies of America
 Some Thought on Engineers and the Engineering Profession

Next Step Registration
 Unity For Professional Action
 Do We Have Enough Engineers?
 Engineering—A Career of Opportunity.

Our alumni members who belong to and are acquainted with the program of the NSPE would be willing to lead discussions on any of the subjects listed above.

Editor's Note—Brother Pritzias was recently elected to a two-year term as a national director of NSPE. He is also a director of ASCE.

The Travelling Secretary Looks at Extension

by ROBERT E. POPE

Zeta Beta Chapter will be installed at Utah State University at Logan this spring—the result of the approval of the Utah State Engineers Club petition by the required

vote of all units of Theta Tau. This is undoubtedly the best news in our Fraternity this year. Theta Tau will begin the decade of the sixties with a most progressive step—the first installation since Epsilon Beta was installed nine years ago. We expect this progress to continue.

The high quality and enthusiasm for Theta Tau demonstrated by the charter members who will comprise this new Chapter should make its addition to the roll of Theta Tau Chapters a most valuable one.

This extension is proof that Theta Tau sites can be found where students and administrations will be enthusiastic for the Theta Tau idea. It also proves what can be achieved by the efforts of one Theta Tau alumnus vitally interested in Theta Tau extension—in this case, Brother Jay N. Thorpe—with some help from the actives and alumni of a nearby Chapter—in this case, his own Lambda Chapter.

Following the directive of the last convention, extension contacts have



Bob Pope
 Grand Scribe and Travelling Secretary

been made at many schools and several have been visited once or twice. The result to date is that there are now three small new local groups of engineering students personally interested in Theta Tau on campuses new to our Fraternity. In addition, there are students interested in Theta Tau on two campuses where our Chapters are now inactive. Each is hopefully expected to grow and to operate in close contact with Theta Tau as a local until eventually it will be ready to petition our fraternity for a charter.

The value of enthusiastic local alumni support in extension cannot be over-emphasized. This type of support solves many problems as we move toward a new Chapter on a given campus. It is available to us on only a few campuses visited.

We have not been successful at this time on every campus visited but this is to be expected. It is hoped experience gained in extension work will help to improve our efforts. Nevertheless, each new school will continue to present its own unique situation.

Regardless of our individual thoughts, from a theoretical point of view, on the membership requirements change made by the last convention, the extension experiences gained to date demonstrate the wisdom of this change, from a practical point of view. It is very unusual to find a campus where a new organization would be recognized now if it had our previous requirements.

Personal contact has been established among some of our Executive Council members and the Grand President and Executive Secretary of Sigma Phi Delta. The last Conven-

tion directed that we investigate the suggestion of a merger with this eleven-chapter fraternity. This suggestion has been discussed at some length with these Sigma Phi Delta officers. Surprisingly, this fraternity has discussed, within its own membership, a possible merger with Theta Tau. On only one campus do both fraternities now coexist. Of course, there are many barriers to a merger. The Grand Regent is expected to appoint Theta Tau members soon to a joint Theta Tau-Sigma Phi Delta committee to study this further.

Recognizing the great potential value of Chapter visits, these have been as many and as frequent as possible. The visit to any chapter requesting and/or thought to need a visit has been given priority in travel scheduling. Surely the importance of the maintenance of high standards and effective programs by existing chapters merits this prompt attention. More than half of our chapters will have been visited by the Travelling Secretary between last October and the end of this school year.

Due to the concentration on extension and chapter visits, the Travelling Secretary has not been able to date actively to promote Alumni Association activities. However, the Alumni Associations Committee has been making progress in this area; and Brother C. Ramond Hanes reports on these activities in this issue of THE GEAR.

Because Theta Tau currently has available his full-time services, it has been possible for the Travelling Secretary to accept the assignment of some duties which are worthwhile

but extraneous to his duties as Travelling Secretary. This would not have been possible under other conditions.

There exists widespread lack of appreciation and understanding of the position of professional fraternities in the Greek-letter system. Many school administrators are uninformed on this point, and Baird's Manual is either not read or not understood. This same situation exists within some fraternities competitive with Theta Tau. The general result is a clouding of the issues, and added extension difficulty. Each active and alumnus should be well informed on Theta Tau and its place in the Greek-letter structure as outlined in the extension booklets. And each should actively promote the professional fraternity idea. Further, each chapter should set an example as a professional fraternity chapter.

A most valuable by-product has resulted from our Fraternity's adoption of an active extension program. Several alumni and chapters have come forward for the first time with

suggestions of likely schools and offers of help with extension in their areas. Prior personal friendship between a Theta Tau member and men on a non-Theta Tau campus is most valuable. Each member of our Fraternity—active or alumnus, and each chapter is most sincerely urged to develop these friendships and to bring to the attention of the Travelling Secretary likely extension situations. All cannot be followed up immediately, but all will be pursued just as soon as possible. Because of his travel schedule, all letters received by the Travelling Secretary cannot be answered promptly. The understanding of this problem by Theta Tau members is appreciated.

In addition, some alumni—Past Grand Regent Hinckley in particular—have been most helpful in providing for the Travelling Secretary books and other publications of value in the extension program.

The continuance of this fine spirit of cooperation in Theta Tau's important extension activities will assure our successful progress.

Alumni Clubs and Associations

By C. RAMOND HANES, *Chairman*
Alumni Associations Committee

The purpose of Theta Tau, to develop and maintain a high standard of professional interest among its members and to unite them in a strong bond of fraternal fellowship, has long been accepted as most worthy in its scope and effectiveness.

Differing from social fraternities with emphasis on social activities during the college period, our fra-

ternity highlights the need to develop and maintain professional interests along with the fraternal fellowship. This is something which becomes increasingly important throughout our lifetime and thus cannot be laid aside upon our graduation from college. Of course, there are professional societies which have been organized since Theta Tau was founded through which we have had an opportunity to develop various professional interests. These must

be all inclusive, however, in their membership and do not necessarily provide an outlet for the close bond of fellowship which we found to be so worthwhile in our undergraduate days. When we can combine the two as we do in Theta Tau, we have the ideal situation for a most rewarding and continuing experience.

The founders of Theta Tau were most foresighted in recognizing the need for continuing association beyond the college level and provided for Alumni Clubs and Associations. This makes it possible for a relatively few, (four for clubs), to bond together and continue their fellowship throughout the years, along with the full development of their professional life. These clubs or associations can be formed following an informal or most comprehensive pattern in their approach, depending on the wishes of the group.

As you know, we are now engaged in increased extension activities under the capable direction of Grand Scribe Pope. These extension activities, in making the advantages of Theta Tau available on a wider basis, obviously cannot be effectively carried on with the work of only an individual. It must be through the cooperative efforts of many different segments of our Fraternity with Alumni groups forming a most important part of the team.

Our members have generally failed to take full advantage of their opportunity to continue this fellowship after leaving college. Why? Perhaps not very good reason. Perhaps it has been because the organizational requirements are so simple that this in itself has resulted in some lack of continuity.



Most of us have had the experience of returning to the old alma mater after being away for awhile. This may prove unrewarding due to a feeling of frustration in the lack of ties with the old school. Not so with our fraternity ties and particularly if you have been participating in the activities of a Theta Tau Alumni Club or Association. This association provides the basis for a common bond, not only with the school but with our fraternity brothers, which is most important.

We do not have as many chapters of Theta Tau as we know we will activate in the future. The more than 15,000 members of Theta Tau scattered throughout the world form the nucleus for many clubs and associations which could, and should, be formed as a basis for extending the basic precepts of our Fraternity.

The 22nd Biennial Convention recognized the need for extension of

the principles of Theta Tau on a wider basis than had prevailed in the past and took the necessary steps to bring about a more active approach to this subject. The late Past Grand Regent, Norman B. Ames, ("Deacon" as he was affectionately known), pointed out the necessity for active participation of alumni in the program of expansion as a means whereby leads could be developed in this area, at the same time serving as a real stimulation to the Alumni.

The one asset which we may accumulate through the years without the payment of dues or taxes is friends. Therefore, we should foster and extend the fraternal friendship having as a common bond our Theta Tau membership. You will find the outstanding students making up the active lists of Theta Tau will continue through the years as outstanding members of their chosen profession and as citizens.

The more than 15,000 members making up the membership of Theta Tau are located in all states and cities of many sizes. Thus, the opportunity and field for formation of Alumni Clubs and Associations is unlimited. It is the one group to which you may belong without the necessity for payment of national dues. Where else can you get such a bargain?

There should be at least an Alumni Club or Association wherever an active chapter exists. The next most important place is in the area of a potential chapter. In addition to this, every state and many cities should call their groups together for formation of a Club first. This may later develop into an Association. We have not had a complete mem-

bership list published for some time. If you are not already aware of those existing in your area such information can be made available to you from Grand Scribe Robert E. Pope or Brother J. W. Howe, Editor of THE GEAR.

The activities of a group may be whatever you determine to be desirable. Certainly, if you are located where an active chapter exists, it will include participation in various programs such as professional guidance as well as some joint social activities.

The nucleus of the active alumni group should be made up of men who have been out of college a relatively few years and retain a keen interest with fond memories of their undergraduate days. We do not intend to discourage active participation by older members, or should I say, more mature members. It is only intended to avoid placing full dependency for direction in older alumni hands which may result in inactivity of the group due to the press of other commitments. The more mature graduates should be brought into active participation with the group in an advisory capacity within the limits of their capacity to contribute to the activities. Auxiliary or Theta Tau wives groups have also proven to be very effective, particularly where active chapters are located.

Let's make '60 the year to get started on this most rewarding activity. If you desire more details regarding the formation of an Alumni Club or Association, communicate with Grand Scribe, Robert E. Pope or myself. When you have formed the group, advise Grand Scribe Pope and Editor of THE GEAR, Brother J. W. Howe.

Region IV Conference Held at S. D. Mines

The Region IV Conference of Theta Tau was held on the campus of the South Dakota School of Mines and Technology on April 2, 1960. Four chapters, Psi of Montana Mines, Chi of the University of Arizona, Lambda of the University of Utah, Omega of South Dakota Tech, and the about to be formed chapter, Zeta Beta of the Utah State University, were represented.

The meetings were opened by the moderator, Professor W. V. Coyle, adviser of Omega Chapter. After the welcoming address by Professor R. L. Sandvig of Omega, a discussion on "Housing Problems" was given by Chi Chapter. Next an initiation workshop was held under the leadership of Brother Robert E. Pope. After the noon luncheon, the initiation of two members into Theta

Tau was conducted by Omega Chapter. A talk on "Chapter Operations" by Omega was followed by a discussion, "Alumni Groups," led by Lambda Chapter. Following the subject of "Professional Development" by Omega, Psi Chapter presented the subject, "Membership Requirements." David Craig of Omega led a discussion on "Pledging Procedures." The meeting closed with the summary of the conference by Brother Pope. Chi Chapter was chosen to host the 1962 Region IV Conference.

Brother Craig was presented the first prize for the winning paper while Brother Lyle Gustavson was awarded second prize for his paper on "Alumni Groups." A banquet in the evening terminated a very successful conference.

Biennial Meeting Held by Professional Interfraternity Conference

By J. D. THOMSON,
Secretary, P. I. C.

The Biennial Meeting of the Professional Interfraternity Conference was held in Chicago, Illinois, at the Pick-Congress Hotel on Saturday and Sunday, March 19 and 20 with an attendance of 55 delegates and 6 guests. A total of 24 professional fraternities was represented at this meeting.

Highlights of the meeting were many as lively discussions developed following reports of the Law Committee by Meredith Daubin of Delta Theta Phi, the Committee on

Alumni Relations by Richard S. Passmore of Alpha Kappa Psi, the Committee on Public Relations by Rand P. Hollenback of Phi Delta Chi, and the Committee on Professional Interfraternity Councils by J. D. Sparks of Alpha Kappa Psi.

One of the most interesting portions of the meeting was the afternoon devoted to a workshop which covered the subjects of "Central Office Operation," "National Dues and Source of Income," "Alumni Participation," and "Publications." This panel was ably conducted by Frank E. Gray of Phi Alpha Delta.

Papers were presented by J. D. Thomson of Delta Sigma Pi, S. G. Applegate of Delta Sigma Delta, Alden L. Doud of Delta Theta Phi, C. W. Britizius, *Grand Regent of Theta Tau*, Frank E. Gray of Phi Alpha Delta, Richard S. Passmore of Alpha Kappa Psi, Roy W. Loan of Alpha Chi Sigma, Frank Eby of Kappa Psi, Price Doyle of Phi Mu Alpha, and J. W. Pless of Phi Delta Phi.

At the Biennial Banquet held on Saturday evening, President elect Adelor J. Petit served as toastmaster and Dean Fred H. Turner of the University of Illinois and editor of the IRAC Bulletin was the guest speaker. Dean Turner gave his impressions of the role of the professional fraternity on campuses today and predicted that this would be even more important in the future. Also in attendance at this Banquet was Mrs. Betty Hinkle Dunn, president of the Professional Panhellenic Association.

The Sunday morning session was devoted to the election of new officers and a discussion of hazing which brought about a vote by the Conference reaffirming the stand taken in 1956 against such practices. The new officers of the Professional Interfraternity Conference are President Adelor J. Petit of Phi Delta Phi, President Elect Rand P. Hollenback of Phi Delta Chi, Vice President Meredith M. Daubin of Delta Theta Phi, Secretary James D. Thomson of Delta Sigma Pi, Treasurer S. G. Applegate of Delta Sigma Delta, and Directors Frank H. Eby of Kappa Psi, Roy W. Loan of Alpha Chi Sigma, C. H. William Ruhl of Phi Rho Sigma, and Edward L. Scheuffer of Delta Theta Phi.

The meeting was concluded with the presentation of a certificate to Frank H. Eby in appreciation for the splendid job he had done as president of the Conference over the past two years.



P.I.C. Banquet. Britzins, Pope, and Mercer discernable in upper right corner.

L. C. Lustenberger President of Rapidly Growing Company

The election of Louis C. Lustenberger, Nu '26, as President of W. T. Grant Company was announced by Edward Staley, Vice-Chairman of the Board. Prior to his election, Brother Lustenberger was Executive Vice-President and General Manager of the Company.

Brother Lustenberger began his career with the Grant Company in 1929 as an assistant in the Standards Department. In 1932, he left to join Montgomery Ward and Company where he rose to be Vice-President in charge of Personnel and a member of the Board of Directors. Returning to Grant's in 1940 as Vice-President and Director of Personnel, he was made Executive Vice-President in 1948 and a Director in 1950.

During World War II he served as a \$1-a-year man as Deputy Director of Purchases for WRB. He speaks with special pride of the tremendous expansion of Grant's in the



last several years—between 60 and 75 new stores have been opened in each of the last five years, and another 76 were opened in 1959.

Carnegie Alumnus

L. T. Work Cited at Columbia



Lincoln T. Work, Theta '21, became the 1959 Alumni Medalist at Columbia University. The citation awarded to him explains why.

"He is an admirable example of the busy professional man who, being deeply attentive to the role of education in our society, apportions his time generously to many areas of useful alumni participation. His service has been continuous from the day of his graduation, as member or chairman of the Camp Columbia Reunion Committee, Placement,

Long Range Planning, Project Research, Education, Nominating, and Class of 1921 Engineering Fund Committee. On the Engineering Council, and as a member of the board of Managers of the Engineering Association, as an ever depend-

able campaigner in behalf of the Engineering Center Development Fund, a member of the Board of Directors of the Federation and of the Chemical Engineering faculty from 1929 to 1940, his record has indeed been inspiring."

Benjamin Cruickshanks Longtime Weather Observer

Spotted through the Washington, D. C., Area are 32 of the more than 11,000 volunteer observers over the Nation who keep daily weather records in what Dr. H. E. Landsberg, director of Weather Bureau's Office of Climatology, calls "the most unheralded service in the world."

This band of diarists, known as the Government's Cooperative Climatological Observers, has as a member Professor Benjamin C. Cruickshanks, Honorary Gamma Beta. Brother Cruickshanks started as an observer in 1941, when he took part in a research project on temperatures sponsored by heating and ventilating engineers.

Brother Cruickshanks was graduated from George Washington University in 1920 as a mechanical engineer. After three years with the Bureau of Standards and an industrial concern, he returned to the



University as an assistant professor. There he advanced through the academic ranks until reaching retirement age. He now serves as a professor emeritus in Mechanical Engineering. Brother Cruickshanks is a specialist in thermodynamics and heat power.

Colorado Mines Receives Rare Specimen from Alumnus

J. K. Houssels, Gamma '22, a Colorado School of Mines graduate, recently donated to the School, through Professor Lute J. Parkinson, head of the mining department, a rare specimen of crystallized native gold.

The specimen will be on display under a magnifying glass in the gold specimen vault at the School Library.

Professor Paul H. Keating of the geology department has this to say about the specimen:

"Crystals of native gold are rare indeed, but these particular crystals from the Bull Frog Mine near Rhyolite, Nevada, are unbelievably perfect in form and variety. A more magnificent specimen of crystallized

gold probably does not exist anywhere in the world. Its teaching value is immeasurable."

Brother Houssels is owner of the Tropicana in Las Vegas, Nevada.

John Evans Becomes a General Manager for Standard

John R. Evans, Gamma '23, a graduate of the Colorado School of Mines, has been appointed general manager of production for Standard Oil Company (Indiana), George V. Myers, vice-president of production, announced. Evans has been vice-president and division manager of Pan American Petroleum Corp. at Fort Worth, Texas. He assumed his new duties in Chicago on May 1.

Under the general supervision of Mr. Myers, Brother Evans will coordinate production and crude oil supply activities of Standard Oil with operations of such principal subsidiaries as Pan American Petroleum Corp., Service Pipe Line Company, Indiana Oil Purchasing Company, and Tuloma Gas Products Company.

Brother Evans' career with Standard companies began in 1925 when he joined the Midwest Refining Company in the Rocky Mountain area.

When Midwest's producing operations were absorbed by Pan American in 1931, he became a petroleum engineer for Pan Am at its Tulsa, Oklahoma headquarters. In 1933 he was made division engineer at Casper, Wyoming, returning to Tulsa in 1935 as chief engineer. He served in the latter capacity until he was appointed division manager at Fort Worth in 1948.



He was elected a director of the company in 1952, and a vice-president in 1953.

Brother Evans is a native of Chillicothe, Missouri, and a graduate of Chillicothe High School. He studied at Missouri School of Mines before graduating in 1923 from Colorado School of Mines with an engineer of mines degree.

He is a director of the First National Bank of Fort Worth, Texas, Mid-Continent Oil and Gas Association, Fort Worth Chamber of Commerce, and Texas Research League. He is a member of the advisory board of the department of petroleum engineering at University of Texas and of the petroleum advisory committee for Texas Technological College.

Mines Magazine

F. C. Schneeberger Named President of Picker X-Ray



Fred C. Schneeberger, Iota '25, has been elected to the presidency of Picker X-Ray, Mississippi Valley, Inc. Brother Schneeberger has been in the X-Ray business since 1925, when he entered the employ of

Engeln Electric Company as a salesman. He advanced to district manager in 1927. Engeln was absorbed by Westinghouse in 1930 and in 1931 Brother Schneeberger was transferred to Philadelphia as district manager of Westinghouse X-Ray Division. In 1942 he was transferred to New York, New York, as a general sales manager, Westinghouse X-Ray Division. In 1942 he returned to St. Louis as southwest district manager, Westinghouse X-Ray Division. Picker X-Ray was established in 1946 and Brother Schneeberger was chosen as executive vice-president in charge of the Mississippi Valley area.

Brother Schneeberger is a member of the Engineers' Club of St. Louis AIME, and a trustee of the Ladue Chapel, in Ladue, Missouri, where he lives.

MSM Alumnus

D. A. McGee Sets Theme for Oklahoma Conference

Five experts in science, mathematics, and elementary education presented their views on education to Oklahoma schoolmen and citizens at a day long symposium in December. The talks were geared to the idea, as pointed out by Dean A. McGee, Zeta '26, Frontiers of Science Foundation president, that the "countdown" on America's elementary schools already has started.

Just as a military countdown ends in a rocket launching, he said, the end of the countdown for elementary schools will be a crisis—perhaps war, excessive population growth, failure in management of a super-

metropolis or sharp increase in the aged.

Only then, Brother McGee declared, will we know if our educational design has been good and if we'll have a fizzle or a successful launching—"perhaps on a trajectory into a new way of American life."

Brother McGee's talk introduced papers which first spelled out the difference between science and technology, then reported new ways of viewing educational content and process in science and mathematics in the elementary grades. Finally they attacked the problems involved in curriculum change.

Local communities will have to put up some \$200 million a year for the next five years—and maybe longer—to install a really effective science program in the elementary schools. A Harvard University professor placed this price tag on elementary curriculum up-grading in his paper. Dr. Fletcher G. Watson, professor of education at Harvard conceded it's a sizable expenditure.

"But that is only about the cost of two atomic submarines," he asserted. "We can have both better education and adequate defenses if we want them."

Dr. Paul Klopsteg, president of the American Association for the Advancement of Science presided over this session of the elementary science symposium program.

Howard C. Pyle Receives Honorary Degree

A warning that "engineers must strive to be less immersed in their own profession" was stated by Howard C. Pyle, Epsilon '26, Monterey Oil Company president, at the 85th Annual Commencement of the Colorado School of Mines. He also was awarded the honorary degree of Doctor of Engineering during the commencement exercises.

Brother Pyle has had a long and distinguished career in the petroleum field and this year was elected to one of the highest attainable offices in mineral engineering. He was elected the 1959 president of the American Institute of Mining, Metallurgical, and Petroleum Engineers at the annual meeting held in February.

Born in Williams, Arizona, he received his bachelor of science degree from the University of California in 1926 and subsequently received his master's and professional degrees in petroleum engineering from the University of Southern California.

From 1927 through 1942 he served as an exploration geologist for the Union Oil Company. During the Second World War he advanced to



the rank of lieutenant colonel, serving as petroleum officer on General Eisenhower's European Theatre staff, Field Marshall Montgomery's Normandy invasion staff, and Eisenhower's supreme allied command staff.

Following his service duties, Brother Pyle became a vice-president of the Bank of America in California, directing the bank's oil industry loans. Following a short period as

an independent petroleum engineer, Brother Pyle was elected president, director and chairman of the execu-

tive committee for Monterey Oil in November 1951, the position he now holds. *The Mines Magazine*

James P. Gill Named President of Vanadium-Alloys Steel



James P. Gill, Iota '18, has been elected to the position of chairman of the board and president of Vanadium-Alloys Steel Company, Latrobe, Pa.

Brother Gill has served as president of the tool and special steels company since 1953. As board chairman, he will fill a vacancy created by the death of Roy C. McKenna last July.

The Vanadium-Alloys chief executive is a widely known metallurgist and authority on tool steels. He has written several books and more than 40 articles on the subject. He also delivered over 200 different lectures on metallurgical subjects and was the ASM Campbell Memorial Lecturer in 1936. As an inventor,

Brother Gill holds 10 patents on compositions and heat treatment of special steels.

He received his Bachelor degree from the Missouri School of Mines in 1918 and the following year received his Master's degree in Metallurgical Engineering. He was awarded an honorary Doctor of Engineering at MSM in 1946.

Brother Gill joined Vanadium-Alloys as a research metallurgist in 1920. He was named Vice-President of Vanadium-Alloys Steel Company in 1943 and became Chairman of the company's Executive Committee in 1945. At the conclusion of World War II, he investigated the German steel industry for the Foreign Economic Administration.

Professionally, besides the ASM, Brother Gill is a member of the American Institute of Mining and Metallurgical Engineers, American Society for Testing Engineers, American Society of Tool Engineers, British Iron and Steel Institute, American Iron and Steel Institute, Tau Beta Pi and Pi Kappa Alpha.

In addition to his executive position, he is also a Director of Vanadium-Alloys Steel Company, Chairman of the Board of Vanadium-Alloys Steel Canada Limited and Director of Vanadium-Alloys Steel Societa Italiana per Axioni and Societe Commentryenne des Acier Fins Vanadium-Alloys.

*Missouri School of Mines
Alumni Magazine*



R. R. Gilruth Director of Project Mercury

While public attention, for the most part, focuses on the seven Project Mercury astronauts and the role they will play in this country's first man-space program, their fame would be impossible without the men behind the scenes.

One of the men most closely associated with Project Mercury is Robert R. Gilruth, Alpha '35. He is director of the project.

Brother Gilruth got his start in space exploration from Professor Emeritus Jean Piccard at the University of Minnesota. Both Brother Gilruth and his wife had aeronautics fellowships at Minnesota and both were friends of Piccard.

During Piccard's early balloon flight experiments, Mrs. Gilruth helped by making the first plastic high altitude balloons while Brother Gilruth worked with Piccard on the launching operation.

Up until his association with Project Mercury, Brother Gilruth was almost unknown outside of the flight research profession. However, inside that circle he was—and is—widely esteemed for several excellent reasons.

One is that he invented the technique of using the sky for a wind tunnel. The system worked so well that during the past 15 years, there have not been many surprises when

test pilots take up high speed planes for tests.

Briefly, instead of using wind tunnels to test model planes to find out what would happen in the sonic speed range, the test models were attached to the wing of an airplane. When the plane dived, the model was exposed to air speeds just equal to the speed of sound.

One thing led to another and finally they started using rockets and built up a testing facility at Wallops Island off the coast of Virginia. The data gathered proved extremely helpful in developing the X-model high speed rocket airplanes.

For his research in pilotless aircraft, Brother Gilruth received the Sylvanus Albert Reed Award for 1950, one of aviation's highest awards. In 1954 he was presented with the University of Minnesota's Outstanding Achievement Award.

Brother Gilruth's experiments were so informative that in 1947, when Charles E. Yeager flew a rocket airplane faster than sound for the first time in history, he knew what to expect when the plane passed through the sonic barrier—he knew in advance that the controls would have the opposite of the normal effect.

Not the only airman in the family, his wife was the only woman flyer on the 1937 University of Minnesota flying team and also was one of the few women in the country to hold a commercial pilot's license before World War II.

Brother Gilruth joined the National Aeronautics and Space Agency, (NASA), successor of the old National Advisory Committee for Aeronautics, in 1937.

Gopher Grad

Kuno Doerr, President of S. Peru Copper, Honored



Kuno Doerr, Jr., Gamma '27, received the Distinguished Achievement Award from the Colorado School of Mines. Brother Doerr was born in Aguas Calientes, Mexico. After graduation from the Colorado

School of Mines he became a chemist for American Smelting and Refining Company in Garfield, Utah, and later occupied a position as metallurgist with that company. He became assistant superintendent at Garfield and then assistant manager, Utah department, for American Smelting and Refining; later moving to the post of manager of their East Helena plant. He rejoined the Garfield plant staff as manager and then became manager and president of Garfield Chemical and Manufacturing Corp. Recently he was promoted to the position of president, general manager, and director of the Southern Peru Copper Corporation.

The Mines Magazine

Clair L. Wood Promoted to Brigadier General



Brigadier General Clair L. Wood, Zeta '32, now ranks among the high echelons of Jayhawker brass with his promotion from colonel to brigadier general at Headquarters, Air Training Command at Randolph Air Force Base, Texas. A civil engineer-

ing student, he was a member of ROTC at Kansas University, and became a flying cadet with the Army Air Corps following graduation. He was honor man of his class. With the general at Randolph AFB is his wife, Mary Bennett Wood.

Kansas Alumni Magazine

William King Given Posthumous Award

William H. King, Gamma '28, Bureau of Mines supervising engineer at Denver, Colo., at the time of his recent death, has been honored posthumously with the Department of the Interior's Meritorious Service Award and the Silver Medal, the

Department announced recently at Washington, D. C.

Brother King, a veteran of World War I and a 1928 graduate of the Colorado School of Mines, joined the Bureau at Tucson, Ariz., in 1940, serving there, at Salt Lake

City, Utah, and at Washington, D. C., until 1950. He was then supervisor of contract work on the Leadville, Colo., drainage tunnel. This difficult job was completed successfully under his direction.

Brother King's unusual initiative and supervisory ability were widely recognized and often drawn upon, the Department said. Besides carrying out difficult special assignments, he was twice executive officer of the Defense Minerals Exploration Administration (DMEA) field team which had headquarters at Denver and covered seven states. He was twice superintendent of the Bureau's Denver Research Center.

As executive officer of the DMEA

field team, a post he held at the time of his death, he supervised and coordinated Geological Survey and Bureau of Mines examinations of prospects in the Dakotas, Wyoming, Nebraska, Utah, Colorado, and New Mexico for which government mineral exploration loans had been sought. Nearly one-third of the contracts executed by DMEA were for projects in those states.

The award was presented to his widow, Mrs. Pauline King, 6620 E. 17th Ave., Denver. The accompanying citation states that it was made "in recognition of his numerous achievements and superior service in both engineering and administration."

Dr. R. K. Watkins Heads M.E. Dept. at Utah State



Dr. Reynold K. Watkins, Lambda '41, has been appointed as head of the Department of Mechanical Engineering at Utah State University.

Succeeding Dr. W. Chester Fitch, who resigned last spring, Brother Watkins has been acting head of the department since August.

Formerly only an area of emphasis in another department of the College of Engineering at Utah State University, the Mechanical Engineering Department was organized separately in the Fall of 1958.

Brother Watkins explained that mechanical Engineering takes in the design, development and testing of machines—from a stick used as a lever to jet planes, rockets, and atomic piles. The organization of the new department reflects the increasing emphasis in this field, as rockets and atomic energy become more important.

Of special interest is the fact that Brother Watkins is serving as advisor to the petitioning group at Utah State.

In Memoriam

Gideon Apell, Beta '15, died April 27, 1959 from injuries in an automobile accident near Holbrook, Arizona. Brother Apell was driving from their home in Sunland, California, to be with his wife who was seriously ill at the home of a daughter in Pueblo, Colorado. His wife died in May and was buried beside him.

Brother Apell was born on August 14, 1887 in Clintonville, Wisconsin and graduated as a mining engineer from the Michigan College of Mines in 1915. For the next two years he was with an exploration company in northern Michigan. He then joined the army and was a lieutenant in the AEF. During the next several years he was investigating hauxite deposits in Africa and South America and then operated a small mine near Prescott, Arizona. Shortly thereafter he was employed to build hospitals by the Veterans' Administration. In 1940 he joined the staff of the U. S. Bureau of Mines and remained with them until his retirement in 1957. Brother Apell was also a member of Tau Beta Pi.

John Davis Bradley, Epsilon '33, died on November 26, 1959. He was born in San Francisco on October 26, 1910, the son of Frederick W. Bradley, Honorary Epsilon. Brother Bradley graduated as a mining engineer from the University of California in 1933. He married Jane Easton in 1935. At the time of his death he was President of the Bunker Hill Company, formerly Bunkerhill and Sullivan Mining Company, the largest mining and smelting company in Idaho. He was also Director of the Aircraft Service Company, Vice-president of the McDonald Mining Company, and Director of the Sullivan Mining Company. His office was located in San Francisco. He and his wife were killed in an automobile accident.

James Dye Bump, Omega '29, a charter member of Omega Chapter, has died in Rapid City, South Dakota. Brother Bump was born in Rapid City on March 23, 1903. He enrolled at South Dakota School of Mines and Technology, and received his bachelor of science degree in metallurgical engineering in 1929. He remained at the college to become professor of paleontology and director of the Museum of Geology in 1942. He received an honor-

ary Doctor of Science degree from the College in 1954. His major fields of study while at the College were metallurgy, geology, and paleontology. He was a member of Sigma Tau and Phi Alpha Lambda fraternities as well as Theta Tau.

Brother Bump was a fellow of the Geological Society of America, American Association of Museums, Newsmen Society, and Sigma Xi, all professional organizations. He was also president of the Society for Vertebrate Paleontology in 1963 and was lecturer at the field conference in 1951. He was a member of the South Dakota Academy of Science and chairman of the Committee on Oligocene Stratigraphy for the Geological Society of America.

Floyd Fawcett Carr, Gamma '30, died April 9, 1959, near New Orleans, La., while on a fishing trip. He was born 51 years ago in Nowata, Oklahoma. He graduated from the Central High School in Tulsa. After graduation from high school he attended the Colorado School of Mines and graduated as a petroleum engineer in 1930. He was employed by the Dowell Chemical Corp. in Flora, Illinois, then joined the staff of the Dowell Company in Shreveport, La. He was a petroleum engineer for De Hydron Inc. in Tulsa, Oklahoma until 1937, with the Dow Chemical Co. in Tulsa until 1944, and then with the Dowell Co. to 1949 and district engineer for Dowell Inc. in Oklahoma City. He became manager for the same concern in Shreveport, then Development Engineer for them in Tulsa and also Perf-Jet Service in Tulsa.

George Clark Gester, Epsilon '09, died November 26, 1959 in a San Francisco hospital of virus pneumonia after being sick only a few days. He was born in Buffalo, New York, on June 16, 1884. He attended the University of California in Berkeley and received a B. S. in geology and in mining in 1909. In 1909 he became an instructor in geology at the University of California and from 1909 to 1914 geologist for the Southern Pacific Railroad Company and then geologist in charge of exploration for the Standard Oil Company of New York until 1916 and chief geologist for the Standard Oil Company of California from 1917 to 1944.

when he retired. Brother Gester continued as consulting geologist for Standard Oil. He was president of the American Association of Petroleum Geologists in 1927, and was also a member of Sigma Xi.

Gordon Heid, Epsilon '25, a retired geologist who had been with the Shell Oil Company for 22 years, died December 19, 1959 after an illness of two months.

Brother Heid was born in Princeton, Indiana. At an early age he moved to California with his family and later was graduated from the University of California.

He served the Shell Oil Company in the Midland and Houston areas as geologist, assistant to the exploration manager, and district geologist. He retired on December 1, 1959.

In World War II, Brother Heid served as a major in the U. S. Air Force in India and the Malayan Peninsula.

An avid gun collector, Brother Heid became an expert gunsmith and developed his hobby into a custom gunsmith business. He was a member of the Central Presbyterian Church.

Carlton Dewey Hulst, Epsilon '20, died October 8, 1959. He was born in Eugene, Oregon on July 6, 1896, and graduated as a mining geologist from the University of California in 1920. From 1921 to 1924 he was an instructor in geology at California, assistant professor from 1924 to 1927, associate professor from 1948, and full professor until 1959. He was consulting geologist for the foreign economic administration from 1944 to 1945 in India and China, and geologist for the Minerals Advisory Council, the Bradley Mining Company, the Permanente Cement Company, and the Idaho-Maryland Mines Corp. in California.

He was also a member of Tau Beta Pi and Sigma Xi honor societies.

Emory Miller Marshall, Gamma '11, died suddenly at his home in Minden, Nevada, on June 23, 1959. He was born in Des Moines, Iowa, on April 27, 1889. After graduating from high school in Des Moines he attended the University of Iowa for a short time, then entered the University of Wisconsin. He transferred to the Colorado School of Mines and received his degree of Engineer of Mines in

1911 and his M. S. from the Massachusetts Institute of Technology in 1912. After graduation from M. I. T. he moved to Mason, Nevada, to be engineer at the McConnell Mine. He then moved to Arizona and was a mine contractor in Globe and Miami. During World War I he was an officer in the army, AEF. After the war he joined a group of engineers having offices in the Mills Building in San Francisco. He organized and operated the Stockton Firebrick Company at Lone, California, and moved to Walnut Creek in 1943 when he became president of Western Refractories at Lone. In 1940 he moved to Minden, Nevada, and worked a ranch with his sons. He was in Carson Valley more than ten years.

William Herman Metzger, Iota '22, died January 30, 1959 at the age of 59. Brother Metzger was born in Collinsville, Illinois and graduated as a mining engineer from the Missouri School of Mines in 1922. He joined the staff of the Illinois State Highway Department after graduation and in 1928 was assistant highway engineer. At the time of his death his home was at 122 Boddy Dells Place in Collinsville, Illinois. He was also a member of Tau Beta Pi and Phi Kappa Phi honor societies.

Arthur Merkel Miller, Eta '17, died October 26, 1959 at the age of 65. He was born in Rochester, N. Y., on March 1, 1894. He graduated from the University of Rochester in 1913 and was an Alpha Delta Phi there. He then attended the Massachusetts Institute of Technology and graduated from there with a B. S. in 1917. He also received a B. S. from Harvard in 1917. From 1917 to 1919 he was a 1st Lt. F. A. in the AEF in France, and then was in the employ of J. F. Anconin, a Consulting Engineer. From 1920 to 1927 he was with the Tennessee Eastman Corp. in Kingsport, Tenn. He was works manager of the fertilizer plant of T. V. A. at Wilson Dam, Alabama, until 1938 and then became director of the Chemical Engineers at T. V. A. until 1945. At the time of his death he was managing director of the Charles Lennig Company, the English subsidiary of Rohm and Haas Company. Brother Miller died of a heart attack at his desk in Washington, D. C. Surviving are his wife and a son. Brother Miller was also a member of Tau Beta Pi.

James Clyde Neal, Gamma '36, drowned August 15, 1959 in the Gulf of Mexico near Panama City, Florida while skin-diving with a group of friends. He was born and raised in Superior, Wisconsin, and graduated from high school there in 1951. He attended Grinnell for one year and then went to the Colorado School of Mines where he was graduated as a geological engineer in 1956. After graduation

he was employed for a short time by the Oliver Iron Mining Company in Duluth and then entered the Army where he studied aviation at Randolph Air Force Base in Texas. Brother Neal was transferred to Fort Rucker, Alabama and was promoted to first lieutenant in June, 1958. A military funeral was held in Superior on August 29. Surviving are his wife, Joan, and a daughter, Jamie Jo.

Additions to Membership

ALPHA

- 605 Herman Ernest Gollwitzer
- 606 Richard Roy Smith
- 607 David Neil Lackmann
- 608 Millard Mathew Garrison
- 609 Lawrence Frank Feldzien
- 700 Gary Byron Lamont
- 701 David Edward Wrede

BETA

- 864 Wayne Edward Alan Jarvi
- 865 Ernest Arthur Lauria
- 866 Donald Gene Saari
- 867 Douglas Clay Owen
- 868 Richard Snowden Stephenson

DELTA

- 965 Harold Charles Bitler
- 966 Jesse Samuel Bitler
- 967 James Henry Burghart
- 968 Richard Lynn Good
- 969 Peter Eloby Harbath
- 970 Thomas Charles Haldi
- 971 Ralph Allan Hewes
- 972 Igo Jekkals
- 973 Richard Hayes Kurrle
- 974 Roy Bruce Larson
- 975 Ralph Thomas Linsalata
- 976 David Allen Meskan
- 977 Walter Andre Nozem
- 978 Kent Harris Quisel
- 979 Luke Joseph Sparveril, Jr.
- 980 John Thomas Tynter
- 981 Russell James Warren
- 982 Peter Martin Weidlen
- 983 Stephen Felder Black

EPSILON

- 841 Bruce Francis McMillan
- 844 James Michael Medanich
- 845 Robert Donald Perry
- 846 Mitchell William Reynolds
- 847 Walter William Wornardt, Jr.
- 848 Mudaham Taulick Zen

ZETA

- 644 Charles John Christianson
- 645 Thomas John Kosakowski
- 646 Michael Murphy Roberts
- 647 Paul Roger Zaman
- 648 Wayne Louis Pratt
- 649 Stephen Douglas Kleppe
- 650 Leland Robert Elliott
- 651 Donald Glen Popejoy
- 652 Thomas Michael Garrison

IOTA

- 835 William Alonzo Anderson
- 836 Larry Gene Bauer
- 837 Echol Eugene Cook
- 838 Norman Jules Frossard, Jr.
- 839 Don Joseph Gunther
- 840 Patrick George Knoll
- 841 Terry Lee Mills
- 842 Walter David Phelps
- 843 Robert Russell Powers
- 844 Robert Warren Roussin
- 845 James Carlos Villegas
- 846 William Edward Zorumski

LAMBDA

- 753 Kenneth Adgar
- 754 John Arthur Buckner
- 755 Elmer Dale Fowler
- 756 Charles David Griffiths
- 757 Donald Dale Grock
- 758 Bill Gregory Seib
- 759 Donald Earle Stucker
- 760 Sterling Clifton Davis
- 761 Lloyd Curtis Hill
- 762 James Parker Miller
- 763 Michael Wayne Turpin
- 764 Frank Hibbert Adams
- 765 Cecil Edwin Alter
- 766 Reg Albert Anderson
- 767 George Courtney Campbell
- 768 Lloyd Erick Carlson
- 769 Paul Frederick Dremann
- 770 William Arlyn Looney
- 771 Frederick Lee Schloes

MU

- 741 Fred Elton Armstrong, Jr.
 742 Gelbert Allen Yanuck
 743 Jewel Edward Sheridan, Jr.
 744 William Savage Railroad, Jr.
 745 Clarence Arnold Blackwell
 746 Robert Knight Helms
 747 William Elliott Moseley
 748 Carl Moody Davis
 749 James Townsend Merwin, Jr.
 750 Ralph Compton Neely
 751 Norwood Vay Chandler Nutting, Jr.
 752 Isaac Pugh Espy
 753 Lewis Edward Rayfield, Jr.
 754 Walter Leon Randolph, Jr.
 755 Elias Richard Callahan, Jr.

OMICRON

- 534 Richard Dale Eichner
 535 Laurence Raymond Gaskill
 536 Jerry Thomas Parks
 537 Roger Allen Saunders
 538 David Paul Schmarje
 539 Roger Owen Stafford
 540 Donald Vincent Barry
 541 Clyde Edward Bradley
 542 Thomas Arthur Church
 543 William Alois Emanuel
 544 Donald Wendell French
 545 George Walter Heasley
 546 Marvin Lester Held
 547 Lester Eugene Kane
 548 Richard John Maurer
 549 Hubert Elmer Storr
 550 Royal Wadell Turner
 551 Fred Merrill Weich
 552 William Owen White
 553 Robert Lee Williams
 554 Thomas Arthur Woodruff
 555 Ronald Vern Yaggy
 556 George Donald Ashton
 557 William David Ashton
 558 David Lee Becker
 559 Claude George Carroux
 560 Ronald Duane Cooke
 561 Warren Paul Dickinson
 562 Frank David Gaylord
 563 Ronald Paul Grossklam
 564 Thomas Roger Hanson
 565 Wayne Alfred Hoebner
 566 Claude Francis Lindeman, Jr.
 567 Gerald Eugene Mann
 568 Clifford George Mecklenburg
 569 Richard Hugh Ralston
 570 Russell Lee Roberts
 571 James Joseph Weintraut
 572 Herbert William Markie
 573 Donald Howard Madsen
 574 Edmundo Ignacio Gardenas
 575 Lester Aloysius Dignam
 576 Howard Alvin Gustafson
 577 William Howard Hetzel
 578 James Parker Howe
 579 Robert Allen Johansson

- 580 Charles Robert Kime
 581 Harry Gerald Marker
 582 James LeRoy McSwiggin
 583 Michael O'Donoghue
 584 Alan Guy Schreiner
 585 David Paul Taylor
 586 John Michael Youngerman
 587 Jerris Charles Moeller
 588 Thomas Robert Breese
 589 Norman Clyde Crandall
 590 Gary Frederick Englehorn
 591 Arlin Dennis Loken
 592 Bruce Douglas McGrath
 593 Robert Ward Murdock
 594 James Edward Tomlinson

RHO

- 610 Gene Allen Hoots
 611 Walter Wileg Morris, III
 612 Cecil Frank Harrington
 613 Julius Paul Brauer
 614 William Whitfield Hopper, Jr.
 615 Ray Oliver Hodder

SIGMA

- 522 Charles William Caudy
 523 Roger Allen Grubic
 524 Antone William Hagen
 525 Carl Fred Leithe
 526 Sidney Richard Nemaer
 527 Terence Ray Patton
 528 Thomas Raymond Watkins
 529 Charles Francis Fell

PHI

- 347 Richard Gene Bergman
 348 Roger Bruce Cousineau
 349 Marshall Lee Sherman
 350 Frank Joseph Weiss
 351 Matthew Walter Witczak

CHI

- 590 Ralph Bryden Heffelman, Jr.
 591 Everett Charles Johnson, Jr.
 592 William Jay McCaig
 593 Hilton William Mitchell
 594 Fred Ross Smith, III
 595 Roy Henry VanPelt
 596 Philip Gregory Vosskuhler
 597 Ronald Clarence Williams

PSI

- 419 Robert Gerald Mock
 420 Robert Tamer Rask
 421 Leonard Robert Judd

DELTA BETA

- 325 David Millard Carroll
 326 John Garman Shea
 327 Emmett Lee Ogden, Jr.
 328 James Barefore Guffey
 329 William Thomas McDonald
 330 Stephen Marsh Thrasher

EPSILON BETA

- 134 Arthur Walter Wenz

Editorials

ARE YOU GETTING YOUR LICENSE?

Because the majority of engineers are salaried and do not have to have a license to practice, professional recognition has been slow to come. The doctor, the lawyer, the pharmacist, and the dentist must secure a license to practice after the acquisition of a College degree. This license is issued by the state following examinations taken after graduation and is displayed in the holder's office. Without the license the members of these professions may not legally practice.

The states also have licensing laws for engineers, but most such laws limit the legal requirement to those who have "responsible charge" of work. Thus it is accepted that if the Chief Engineer of an enterprise is licensed that he is responsible for the work of his organization and that those who report to him do not need the license.

It is the feeling of the leaders of the engineering profession that professional recognition will come when all engineers acquire a license to practice. More engineers are voluntarily securing their licenses every year and as their number increases the more likely it is that laws making it mandatory to pass the State Board will be enacted. For these reasons it makes good sense for seniors to take the initial steps necessary for the acquisition of the license. Generally, an "engineer in training" examination may be taken about the time of graduation and a profes-

sional examination after some four to five years of post graduation experience.

Theta Tau Chapters might well encourage their members and others to take this important step as a means of true professional development.

JWH

EXPANSION

Not since 1951 has Theta Tau installed a new collegiate Chapter. Our present roster of twenty-three active groups appears rather static when compared with exactly the same number we could claim twenty-five years ago. Small wonder then, that there has been growing pressure from many quarters for expansion of the Fraternity to new campuses.

While we have rested on our oars, so to speak, during the past quarter of a century, this has been a period of rapid expansion for many of the other professional fraternities. Some of these now number well over one hundred chapters with much of their growth occurring since 1946.

For various reasons expansion into other qualified engineering colleges seems desirable for Theta Tau. The enlargement of acquaintanceship, fellowship, and brotherhood in near-neighboring colleges is facilitated best through fraternal ties. Our Regional Meetings could be more productive of exchange of ideas and patterns of operation if neighboring chapters were closer together in many areas so that more

men from each Chapter could attend these most worth-while and instructive meetings. We sincerely believe that our present Chapters have served useful purposes to their colleges as well as to their members and that many more colleges and their student bodies could be similarly helped through groups affiliated with Theta Tau.

Our Twenty-second Biennial Convention at Madison took a positive stand for expansion in authorizing the establishment of a full time Traveling Secretary position, primarily to promote the building of new Chapters. Last Fall, Bob Pope accepted this challenging job and since then has been busy calling on prospective groups in many engineering colleges. We have now seen the first fruits of these plans, culminating in acceptance of the Utah

State Engineers' Club of Utah State University, Logan, Utah, as our Zeta Beta Chapter. A large bouquet of Jaqueminot Roses must go to Regional Representative Jay N. Thorpe and his Lambda and Inter-Mountain Alumni Associates for their early and continuing work in guiding this group into Theta Tau. At the same time we recognize that their efforts were greatly helped, especially in the later stages, by our ability to have a man like Bob Pope from the Executive Council on the scene to offer additional guidance and counsel.

It is to be hoped that our Utah experience will be duplicated many times in other locations so that within the next few years, our desired expansion can become a reality.

PLM

Letters to the Editor

2419 South Gilpin St.
Denver 10, Colorado

Dear Brothers:

I would like to inform you of my change of address from 2291 South Emerson Street to 2419 South Gilpin Street (both in Denver, Colorado).

I am working for the Martin Company here in Denver as an Environmental Engineer. All the family is well and growing.

Yours in H and T,
Dale E. White
Alpha '57

If you keep on bringing home the bacon they will do that, Brother White. Thanks for the address.

133 Gateshead Drive
Canonsburg, Pennsylvania

Dear Brothers:

I have recently resigned my position with the General Electric Company and

have assumed the responsibilities of Manager of Metal Research at Firth Sterling Inc., 3113 Forbes Avenue, Pittsburgh 30, Pennsylvania.

Would you kindly change my mailing address from 5144 Spencer Road, Cleveland 24, Ohio, to 133 Gateshead Drive, Canonsburg, Pennsylvania? I do not want to miss the future issues of the Gear.

Yours in H and T,
C. H. Toensing
Psi '38

You have used the proper method to insure continued contact, Brother Toensing. It sounds as though your address may be rather permanent now.

716 Lafayette Drive
Salt Lake City, Utah

Dear Brothers Mercer and Howe:

It has been some time since I saw you last. I hope things have fared well with you. I would like to take this opportunity

to wish you a Happy New Year and decade.

Enclosed you will find a news clipping about Brother Watkins. You may want this for your next GEAR edition.

I am pleased to report it appears we will soon get a new chapter at Utah State University. Brother Watkins has helped me very much in working toward this end. He is faculty adviser to the group plan-

ning to petition national this month for a chapter.

Yours in H and T,
Jay N. Thorpe
Lambda '57

It was nice to hear from you, Brother Thorpe. Your desire to bring in a chapter at Utah State is now beyond the "good intentions" stage and you are to be congratulated on your perseverance.

Interfraternity Research and Advisory Council News

The Interfraternity Research and Advisory Council was established by the four fraternity conferences: the National Panhellenic Conference; the Professional Panhellenic Association; the National Interfraternity Conference; and the Professional Interfraternity Conference, of which Theta Tau is a member. Its primary objective is the study and improvement of the public relations of the fraternities. It provides advice, research and information in every phase of fraternity operation. IRAC is not a governing body, but a means of coordinating services for the welfare of all fraternities.

Theta Taus will be interested in some direct quotations from the excellent address made by President Herman Wells of Indiana University at the luncheon session of the 50th Anniversary Luncheon of the National Interfraternity Conference in New York on November 27, 1959.

President Wells listed and developed the following three current trends in American Collegiate Education:

"The first current higher educational trend which seems to be of special importance is the trend of rising enrollments."

"A second important trend on our

campuses today is the rising emphasis on the intellectual substance of the undergraduate collegiate experience."

"The third trend is the growing general public interest in our colleges and universities."

President Wells pointed out that "these three trends . . ." have opened major opportunities to our Greek Letter Fraternities.

" . . . as the fraternity world interprets itself to the general public, it has the right and obligation to take a politely aggressive initiative in presenting the Fraternity story in printed and spoken word. Our fraternity system is built on idealism and principles so solid and so sound that we need not be ashamed of telling our story frankly and directly.

"There is, however, one additional opportunity which is equally challenging and exciting. This one is not new; it is timeless and everlasting, basic to all we stand for: it is our opportunity to build in youth upon the rock of fraternal idealism life's lasting friendships and fraternal fellowship; to build upon this fraternal fellowship adult lives of useful service; and to build upon lives of useful service the inner peace and satisfaction which lead to human happiness in age."

Letters from the Chapters

Alpha Has Good Professional Development Program



On March 7, Alpha Chapter of Theta Tau held its annual election for officers. The new officers are: Regent, Penn Peters; Vice Regent, Dave Barry; Scribe, Bruce Clark; Treasurer, Gary Lamont; Historian;

Herman Goltwitzer; Corresponding Secretary, Rodger Ziemer, and House Manager, Jim Dana.

The chapter size is now forty members. At this writing we had not as yet begun our Spring rush. However, we will lose close to twenty members by graduation this Spring.

The highlight of the social season was the Winter Formal held at White Pine Inn at Bayport, Minnesota. The banquet was attended by forty couples who after

the banquet enjoyed an evening of dancing. Other big events on the social calendar included a "hard times" party, an after-finals party, and a stag on Brother Gerald Brostrom who became the most recent of the members to take the big step. While we are on the subject, Penn Peter's wife, Sue, presented him with a baby girl, their first, to make him the first family man in the active chapter.

Special thanks go to Brother Jim Reynolds for some exceptionally good Professional Leadership and Development programs this year. Included in the repertoire were presentations on Art Appreciation, Human Reactions Under Stress, Dr. Egger's Round the World Tour, and Predictions on the Outcome of the Coming Election.

Yours in H and T,
Penn Peters
Regent

Northern Winter Can't Cool Beta Down



This Spring marks the ending of another successful year of Beta Chapter on the Michigan Tech campus. This past year Beta Chapter was under the able leadership of Regent Bob

Smart. The other officers of Beta are as follows: Vice Regent, Jim Hodge; Treasurer, Jim Thompson; Scribe, Joe Wasielewski; Seward, John Stamm; Corresponding Secretary, Dan Clark, and Purchasing Agent, Dave Byfield.

Under the excellent leadership of these men, Beta started off the 59-60 school year with an open house. This marked the first social event of the year and was termed very successful by all attending.

Soon after the open house, six new members were initiated into Theta Tau. They are brothers Jim Love, Bruce Peters, Ken Kesler, Tom Delesorge, Dan Clark, and Paul Breckelsbauer.

Homecoming came next on the social calendar and Theta Tau placed second in the float contest. Homecoming was

brought to a close with a party after the football game.

A Christmas dinner was held at the house for all members which concluded our social events for the fall term.

Soon after getting back from Christmas vacation, the Inter-Fraternity Dance was held. This dance was concluded with a party at the house for which a house tradition was revived, and shrimp was served. Everyone attending concluded that the party was a huge success.

Winter Carnival came next on the list of activities and early preparations were made by the various committees to secure another Carnival trophy. These efforts were to no avail, however, for the campus had organized against us. After eight straight years of winning Winter Carnival, the monopoly was finally destroyed. At the end of Winter Carnival Week it was generally agreed by the members of Beta that next year would prove different.

The winter term also saw the initiation of five more members into Theta Tau. They are brothers Ernest Lauria, Wayne Jarvi, Dick Stephenson, Doug Owens, and Don Saari.

Many activities have been planned for the coming Spring term. The Millionaire's Party which has been for many years the most successful social function of Beta is to be held in the near future. The Janquinet Ball is on the social calendar for May and will round out the social activities of Beta Chapter for the year.

The intramural trophy which is held in high esteem by all Fraternities on campus and is now in our possession is again up for competition. We are presently in third place, running very close to the leaders, but with five more sports to be played the trophy is still open to all competitors.

Financially, Beta Chapter is doing very well this year with forty-seven active

members, of which thirty-six are living in the house. With only six graduating members, the fraternity house should be filled to capacity next year. At this time we have five men pledging Theta Tau.

The position on campus that has been earned by Beta Chapter has left those of us now in Theta Tau on the Tech campus with a goal that can only be achieved through hard work. We at Beta are fully conscious of this and will strive to "not only perpetuate this chapter, but the fraternity at large."

Yours in H and T,

Dan Clark

Corresponding Secretary

Zeta Ranks High in Brain Power

LAWRENCE
KANSAS

The officers of Zeta Chapter for the Spring of 1960 are Regent, William Fisher, Jr.; Vice Regent, Ronald Ko-

matz; Scribe, John Trotter, Jr.; Treasurer, Albert Werner, Jr., and Corresponding Secretary, James Clutz. In addition to Dr. J. O. Maloney we now have Dean Donald E. Metzler serving as co-advisers to Zeta Chapter. Dean Metzler is the associate dean of the School of Engineering and Architecture at Kansas University.

The social life at Zeta continued to thrive. Among the more prominent events this Spring are the Women Engineers Banquet, an annual function when the "jaifer sex" of the "engine" school are guests for dinner and socializing. On April 24, 1960 Zeta celebrates its founding with the Anniversary Day Dinner. With the Kansas City Alumni Club active once again, we expect a fine attendance of alumni for this event. Plans are well under way for the Annual Red Dog Inn Party to be held in the beginning of May. Rumors are strong that several of the brothers will announce their pinnings at this informal chapter function.

As always, Zeta is well represented in campus activities. Brothers Ron Komatz and Don Coffman are serving on the Engineering Council as senior representative

and departmental representative, respectively. The Kansas Engineer, publication of the Engineering School, is well populated with Zeta men. Brothers Bob Rehagen, Wayne Pratt, Larry Rusco, and Don Coffman serve on the staff. In addition to Zeta men previously mentioned, we are happy to announce the initiation of Brother Tom White into Pi Tau Sigma, honorary engineering fraternity.

We here at Zeta are proud of our scholarship report for last Fall. Of the 27 fraternities at KU, Zeta ranked 5th with a 1.58 grade point average, based on the 3-point scale. Our fine pledge class did an admirable job by copying second place among the pledge classes on the hill.

At the present time Zeta has 24 actives and 3 pledges. Due to the fact that we initiated nine men into Zeta Chapter in February, our pledge class is small. With our accelerated rush program, we hope to build our pledge class up to good size in the near future.

Interest has been generated at Zeta in working with the other chapters to compile a Theta Tau Songbook. We hope to discuss this idea at the Region II Conference to be held in Lawrence on April 14th and 15th.

In H and T,

James A. Clutz

Corresponding Secretary

Lambda Enjoyed Regional Conference



Lambda is happy to report the flurry of activity going on at the present time. Not only are we getting our Spring rush program in full swing, but we also are making preparations for the celebration of the fortieth anniversary of Lambda Chapter. The entire program is under the auspices of the Intermountain Alumni Association, here in Salt Lake City, but we of the active chapter find ourselves busily involved in preparations. We take a great deal of pleasure in observing this occasion by presenting bids to our Spring Quarter pledge group. We are also anticipating a visit from Brother Bob Pope at that time, April 29, to further cement the outstanding relationship now existing between the actives of Lambda and the Alumni group.

Further, our annual Spring Dinner

Dance is emerging from the planning stage at present. Several local hotels and private clubs are under consideration and we expect an even more enthusiastic turnout than that at our Winter Dinner Dance.

The representatives of Lambda at the Regional Convention have just returned and delegate Lyle Gustavson reports a very beneficial experience. Many suggestions received at the convention have already been put in action here. Also, the representatives wish to express their deep appreciation for the hospitality shown by the host Chapter, Omega.

Recently elected officers are John Buckner, Regent; Mike Turpin, Vice Regent; Bud Griffiths, Scribe; Dale Fowler, Treasurer; and John Droubay, Corresponding Secretary.

Watch for Lambda's Spring Newsletter! In H and T,
John Droubay
Corresponding Secretary

Mu Completes Membership Display



The membership of Mu Chapter is currently 35 members.

The following are presently the officers of Mu Chapter: Regent, Max Rosenthal; Vice Regent, Joe Adams; Scribe, Don Hollingshead; Treasurer, Don Harding; Corresponding Scribe, Lloyd Taylor.

The board containing the names of all past members has received its finishing touches. We have mounted on top of the board a cast aluminum gear complete with garnet and pearls (half pingpong balls). The casting of the gear was done by our own metallurgy department and the sanding and polishing by the brothers.

Mu Chapter recently co-sponsored an engineering convocation at which all the professional societies were represented by



practicing engineers. Brother Ken Daniels, Mu '33, who is vice president and chief engineer of American Cast Pipe Company in Birmingham, was the speaker.

We have just had our annual stag at a lakeside cabin owned by one of the broth-

ers. Since our wives gave us the day off, next month's affairs will be a picnic which will include the gentler sex.

In H and T
Max E. Rosenthal
Regent

Omicron Visited by Grand Scribe Pope



Officers and Pledges posed with Grand Scribe Pope (holding stone).



At the helm of Omicron for the Spring semester are Ronald Grossklaus, Regent; James McSwiggin, Vice Regent; William Ash-

ton, Scribe; Robert Johannsen, Treasurer; Russell Roberts, Marshal; Wayne Huebner, Inner Guard; Howard Gustafson, Outer Guard; and Charles Kine, Corresponding Secretary. Currently our membership numbers 30 including 7 newly initiated pledges.



Grand Scribe Pope (right) looks in on Omicron Winter Picnic.



Pledges Before Initiation (l. to r.): Dennis Loken, Bob Murdock, Bruce McGrath, Jim Tomlinson, Norman Crandall, Tom Brees, Gary Englehorn.



After

Omicron has continued to hold its monthly dinner meetings. At the January meeting, Claude G. Caroux, outgoing Regent, was awarded a gavel for his service to the chapter, and four wives of graduating members were presented Theta Tau Wives Diplomas.

On February 19 through February 21, Omicron was honored by a visit from Robert Pope, Grand Scribe. The activities of the weekend included a picnic in honor of our pledges, an informal and formal dinner, a stone hunt, and a formal initiation. Brother Pope passed on much use-

ful information to the chapter during his visit.

A coffee hour was held at the Iowa Memorial Union on March 20. The purpose of the coffee hour, under the direction of James Howe, Pledge Trainer, was to become acquainted with new rushees.

The chapter is currently engaged in two principal projects. The larger of the two is the construction of a working model from an Allison turbo-jet engine which was recently donated to the College of Engineering. The project is under the direction of Dick Ralston and is in the planning and disassembly stages. When completed, the engine will be placed on display in the Mechanical Engineering Lab.

The smaller project is the publishing of a newsletter which will be distributed to Omicron alumni about the middle of April.

Omicron chapter is proud to have Theta Taus as chairmen of all of the Mecca Week Activities. Also, Brother George Ashton is the new President of the Associated Students of Engineering Council.

Yours in H and T
Charles R. Kime
Corresponding Secretary

Pi Sponsors EIT Review Sessions



Pi of Theta Tau has elected its officers for the Spring term. They are Regent, Jack Bowen; Vice Regent, John Gell; Scribe, Eric Peters; Corresponding Secretary, Bill Arnold; Marshal, Randy Bruns; Inner Guard, Sam Webster; and Outer Guard, John Thompson. At the present Pi has 35 brothers, and with the termination of rush this past weekend, a large pledge class is expected.

We recently enjoyed a very interesting and informative talk by an executive of the Citizen's National Bank of Charlottesville. The subject of the talk was "Stocks and Bonds." Since interest ran so high among the brotherhood and the school as a whole, the program committee is planning on sponsoring more speakers on re-

lated topics during the remainder of the term.

This Spring, as in the past, Pi is sponsoring review sessions at night for degree candidates interested in taking the EIT (Engineer in Training) examinations. These sessions have proved very helpful in the past and are progressing effectively again this year.

Our activities committee is presently making plans for slide rule classes and departmental orientation programs for the first yearmen of next fall.

For the remainder of the semester several social functions are planned, and the elections committee is at work to nominate officers for the coming school elections.

Yours in H and T,
W. K. Arnold, Jr.
Corresponding Secretary

Rho Activities Include Regional Conference



Rho Chapter has been quite active since the last report to the Gear. Just prior to Christmas holidays, six new brothers were initiated into the fraternity, bringing the total active membership to twenty-nine brothers. The following day, the chapter held a Christmas party for approximately twenty children at the Wiley School for the Blind. Brothers, both old and new, joined the children in an enjoyable afternoon of games and merriment, and it is yet undecided who had the most fun. Christmas holidays intervened in the chapter's activity, as well as exams soon after returning, so Rho did not get back into the full swing of activity until about the first of February. At this time, the long-awaited letter to the alumni was printed and mailed out to the many former actives of our chapter, giving them a general report on the activity of the chapter over the past year.

On the weekend of February 27-28, Rho chapter was fortunate in being host for the biennial Region I conference. Saturday morning was given to the registration of the visiting brothers, and following a luncheon in the College Union discussions were held in order that the brothers from the different chapters might be allowed full opportunity to exchange ideas and information. Following the afternoon ses-

sion, a banquet was held at a local restaurant, featuring a speech by Dr. R. F. Irvine, Jr. Dr. Irvine was made an honorary Theta Tau at Alpha Chapter and is now a member of the faculty of the Mechanical Engineering Department of N.C. State College. The day's festivities were culminated in what everyone agreed was a magnificent party, held at the home of our faculty adviser, Brother A. A. Carlyle, and attended by several young ladies from the girls' schools in Raleigh. Dates were arranged for the visiting brothers, and a "blast" was had by all! The conference wound up Sunday morning with a final assembly, at which time a resolution for a proposed constitutional amendment was unanimously passed. The local brothers then returned to their dormitories (probably to catch up on sleep from the night before), and the visitors hit the road for home.

Just prior to the regional conference, much needed revisions of the Rho Chapter by-laws were presented to the chapter for consideration. Following the conference, the final vote was taken and the considerably changed by-laws were unanimously accepted by the chapter.

After fighting several paralyzing snows, the chapter managed to dig out long enough to nominate and elect a new slate of officers. The new officers are as follows: Robert A. Robertson, regent; James C. Leonard, vice-regent; Gene A. Hoots,

scribe; C. Leon Combs, treasurer; and Julius P. Brasar, corresponding secretary.

Shortly after elections, a coffee hour and smoker was held in order to give the members of the chapter a chance to meet several prospective pledges. Of these candidates, ten were selected as pledges. Their initiation has been planned for the last week in April.

Once again Rho Chapter is looking forward to the annual N. C. State College Engineers' Fair, which brings several thousand visitors to our campus and is centered around the various Engineering schools on campus. As in the past, Rho Chapter will operate an information booth at the center of the campus for the benefit of visitors. This is an outstanding service

to the school which gains the chapter much favorable publicity.

Our annual spring picnic has been planned for April 30, and if history repeats itself, it will be an event second to none. In the past we have had almost one hundred percent attendance, with most of the brothers bringing dates. An entire day of games and fun is planned, and everyone is looking forward to the event.

In closing, Rho Chapter wishes to extend to all of our fellow chapters our most sincere best wishes for a successful year, and is looking forward to hearing from them on any issues which may arise.

Yours in H and T,
Julius Brasar
Corresponding Secretary

Sigma Plans Three-Stage Remodeling Project



Sigma Chapter extends greeting to the Brothers of Theta Tau, and welcomes this opportunity to inform you of our activities during the past months at Ohio State.

Winter Quarter saw the election of Tod Dixon, Regent; Dave Sealer, Treasurer, and Tom Watkins, Corresponding Secretary. These along with Vice Regent Bill Kirby and Scribe Bill Wolf round out Sigma's current officers' line.

During the past quarter Sigma's 35 active and 5 pledges have been engaged in a full program of professional development. Dr. Thomas A. Boyd, Research Staff Consultant of General Motors, gave

an interesting talk on leadership as applied in Engineering. Later in the quarter, Dr. Louis Nemzer of Ohio State presented a topic in another vein, when he discussed Russian versus United States' economic systems.

Our social program for last quarter consisted of a square dance and a house party.

Our main project for next quarter will be to assist the Alumni in their drive to raise funds for the three-stage remodeling program planned for our current house.

We extend best wishes to all chapters and a standing invitation to all Brothers to visit us any time they are in the O. S. U. area.

Yours in H and T,
T. R. Watkins
Corresponding Secretary

Upsilon Alive and Well



Upsilon Chapter of Theta Tau just completed another very successful Engineers' Week at the University. The annual St. Patrick's Banquet was held March 17, with all the chapter present.

The Fraternity is planning a Spring outing, April 9, at one of the lakes, and a good turnout is expected.

Last semester brothers Jack Hammet, C. L. Roy, Jim Fawcett, Jerry Perciful, and

Lee Fletcher were initiated into Tau Beta Pi, and this semester Brother Bill Cummins is pledging.

The officers for this semester are Jim Hefley, Regent; Jerry Perciful, Vice Regent; Charles Yates, Scribe; Bob Wilson, Treasurer, and Frank Zanoff, Corresponding Secretary.

We are pledging 7 prospective members this semester and our present strength is 41.

Yours in H and T,
Frank Zanoff
Corresponding Secretary

Phi Has Strong Professional Program



Phi Chapter in West Lafayette, Indiana, wishes to extend its fraternal greetings to all brothers of Theta Tau.

Officer elections of Phi Chapter for the present spring semester were held on March 7. Elected Regent was E. N. Doty; Vice Regent, W. D. Bunnell; Scribe, W. R. Leach; Treasurer, P. L. Stone; and Corresponding Secretary, M. W. Witczak.

We are happy to announce that through the sustained efforts of our professional chairman, an extensive professional program has been initiated to help strengthen the bonds of understanding between the expectations of industry and ourselves. Six of these programs were held during the Fall semester, and an equivalent number have been scheduled for this semester.

On February 28, at a formal dinner

held in the Chapter house, Phi Chapter welcomed its five new members, bringing the total of active members to 25. Emphasis, however, has now turned to our spring pledge class. As of the moment the pledge class stands at 7, but we are confident that before too long it will be enlarged.

Of course with the advent of Spring, we are eagerly planning and awaiting our Spring formal dance. No definite date has been set as of now, but the "tux and gown" affair will probably take place during the latter part of April.

All members of Theta Tau, Phi Chapter, are looking into the realm of a fully productive and active year, and we all extend to you the invitation to visit Phi Chapter whenever you are in the vicinity.

In H and T,
Matthew W. Witczak
Corresponding Secretary

Chi Sponsors Engineers' Day Honors Assembly

Greetings from Chi Chapter for the year 1960. Here's our news!



The officers for this year were: Regent, Phil Vosskuhler; Vice Regent, Roy Van Pelt; Scribe, Bill McCaig; Treasurer, Duke Patterson; and Corresponding Secretary, Ronald Williams.

New pledges to replace the large graduating class were Ralph Hefleman, Everett Johnson, Bill McCaig, Bill Mitchell, Fred Smith, Roy Van Pelt, Phil Vosskuhler, and Ronnie Williams. Welcome to a good group of new actives!

During the Fall of 1959, activities included a taco picnic in the Tucson Mountains for the actives and their dates, as well as the usual activities of the pledge period. Herb Shear should be congratulated for providing the taco picnic with choice chow, guitar music, and a well-developed appetite. The next activity scheduled was the annual Alumni-Active Barbeque, held at the residence of Phil Newlin, Chapter Adviser. The date was February 22, and all alumni and honorary members were welcomed.

One of the most active chapter members this year is Joe Davis. Joe serves as

Marshal at Theta Tau meetings besides being President of the Engineers' Council, AIME, and the Student Body Representative Council. He was recently elected to the University's "Who's Who," not to mention many of his other activities. Other Theta Taus (as usual) make up most of the Engineers' Council, and hold two or three offices in each founders' organization.

This year for the first time, Theta Tau has taken over the sponsorship of the Engineers' Day Honors Assembly to relieve the burden on the Engineers' Council. This and our Annual Outstanding Graduating Engineers' Award are very effective in publicizing Chi Chapter to the Student body.

Graduates first semester were Milt Hardyck and Herb Shear. We would like to have the addresses of the following "lost alumni." If you know of any we would appreciate your sending it to us. Lost alumni are: John J. Eidel, Joe Magee, Dave Primor, Bob Rupe, Ron Shuck, Chuck Wier, and John Stanley.

Chi is pleased to note that Grand Scribe Robert Pope is serving this year as traveling secretary. We feel that this appointment will definitely serve to more strongly unite the chapters and improve homogeneity in Theta Tau.

In closing, we actives of Chi Chapter

would like to remind you that our house is always open and a visit from you would be welcomed and enjoyed by all.

Yours in H and T
Ronald Williams
Corresponding Secretary

Psi Programs Politicians



On February 10 Psi Chapter held the annual chapter elections. The new officers are as follows: Arthur Boettcher, Regent; Gay Kravik,

Vice-Regent; Robert Donaldson, Treasurer; Robert Applegate, Corresponding Secretary; David Cushing, Scribe. Professor Douglas H. Harnish, professor and head of the Petroleum Engineering Department, is presently the chapter adviser.

Throughout the academic year Psi sponsors programs of professional development for all students on the campus. Included on these programs are leading figures in the various fields of mineral engineering. Since 1960 is an election year, the chapter is endeavoring to present a program at which the speakers will be front-running Montana political candidates. These candidates will present their views on the future of the state's mineral industry. As currently scheduled this program will take place in late March.

Theta Tau candidates in two of the main student functions at the Montana School of Mines were very successful in obtaining offices during the 1959-60 school year. Five candidates were nominated by Psi Chapter to represent the members in the annual student body election. Three of the five candidates were elected to the following offices: Richard Vincelette as student body president; George Grandy as vice-president; and Gay Kravik as one of the two representatives. The remaining offices in which Psi nominated candidates

this year were for president and secretary of the Anderson-Carlisle Society, a student chapter of the AIME. Theta Tau candidates were again highly successful with Doug Wadman receiving the president's office and Robert Applegate was elected secretary-treasurer.

Three Psi men were chosen to represent the Montana School of Mines in the Who's Who among Students in American Universities and Colleges publication. The men chosen were George Grandy, Dick Vincelette, and Doug Wadman.

Honor roll statistics are unavailable at this time, but we are certain that Theta Tau has once again topped all other organizations on campus.

As you know the "Psi Cogs" have been organized to give recognition to those who have donated to the present Building Fund. Members of the class of '58 may remember they signed a contract to donate to this fund within one year of the date of graduation. Our records indicate new Psi Cogs are the following: Russell E. Hoar, '58, David S. Johnson, '58, and William G. Lee, '58.

Psi Chapter has recently found an ideal house that is located one block from the school. If we can arrange satisfactory monthly payments, we can obtain the house with the initial loan from the National. Our present project thus, is to form a house corporation and we ask the cooperation of all alumni of Psi Chapter.

Yours in H and T
Robert Applegate
Corresponding Secretary

Omega Helps Kids with Coffee Sales



Election of new officers was held this winter. Omega's 40 active members and 10 pledges are now under the capable leadership of Brothers

John Morris, Regent; Vernon Bump, Vice Regent; Clyde Piets, Scribe; Arvid Richter, Treasurer; Robert Pritchett, Marshal; Charles Maciejewsky, Outer Guard; Edward Mead, Inner Guard; David Middel-

son, Corresponding Secretary, and Professor William Coyle, Chapter Adviser.

Beginning with the construction of Omega's prize-winning homecoming float to the annual "Cinch-Buckle T" western dance, we here at Omega have completed many projects and social events with still more coming in the near future including a "Help Week" for the initiation of seven men to Omega Chapter. Shortly before Christmas we sponsored a coffee and doughnut sale in downtown Rapid City



Prize-winning Homecoming Float



"Cinch-Buckle T" Western Dance

with the proceeds going to a program to help underprivileged children to have a Merry Christmas. Several get-acquainted smokers have been held and a pledging smoker is planned for March.

Brother Robert Mosen has taken the chairmanship for the Region IV regional

conference to be held at Omega Chapter on April 1-3. More about the conference in next Fall's Gear.

Yours in H and T
David W. Middleton
Corresponding Secretary

Gamma Beta Observes 25th Anniversary



Fraternal greetings to all Brothers of Theta Tau from Gamma Beta Chapter.

At our December meeting two new officers were elected. They are Floyd

Mathews, Corresponding Secretary, and Ed Walker, Treasurer.

A lively Christmas party was held at Brother Jack Petrick's house during the Holidays. After foraging through the wilds of the Maryland suburbs to locate the house, a good time was had by all.

After the holidays, two parties were given for prospective pledges. When all the smoke cleared away, eight new Theta Taus were initiated on March 12, 1963.

Brothers Wayne Davis and Pat Cudmore graduated in February.

At a recent meeting of the student chapter of the A. S. C. E., three of the Brothers

were elected to office. They are Fred Hood, President; Floyd Mathews, Vice-President, and Wes Harris, Treasurer.

Don Havens was recently elected Vice-President of the Engineers' Council replacing Wayne Davis. Muffette Thayer was also appointed to the Engineers' Council. There are now twelve Theta Taus on the council out of eighteen members.

Our 25th Anniversary Banquet and Ball was held on the evening of March 12. Many alumni, including three charter members, were present to help us celebrate. We carried through our plans to honor our founder, Deacon Ames, though his untimely death just a week previous brought great sorrow to the chapter. We hope that we can follow the example set by Brother Ames during our first 25 years.

In H and T

Floyd Mathews

Corresponding Secretary



Pledge Skit Sing

Delta Beta Host to Regional Meeting



The actives of Delta Beta Chapter wish to extend fraternal greetings to their brothers throughout the country. Election time is drawing near and the Regency is again about to be conferred on some capable Brother. Great thanks must be given to the present officers, headed by Regent Jerry Bishop. They have done a great job in leading the Chapter this last year.

With the completion of another quarter of school work, many of the Brothers are catching up on neglected sleep. During the next few weeks of vacation, plans will be completed for the Regional Convention to be held here at Delta Beta April 2-3. Lively discussions are expected on such subjects as pledging practices and the initiation Ritual.

New actives recently initiated are Joseph Brown, Donald Hinton, Robert Hollenbeck, and Larry Nold. With these additions and the return of Brother Lyle Col-

lins to school and active membership, the roll now stands at 35 men. Several recent rush functions were highly successful and have resulted in the pledging of a group of unusually able men. With these men, we feel that the Chapter can easily retain its position of Number One in Campus scholarship and show a vast improvement in the athletic department.

"Back to the Good Old Days," was the theme of a highly enjoyed recent house party. Prizes were given for the best costumes; the winners, pictured above, were Barbara Dahlem and George Huber.

Delta Beta was well prepared for the University of Louisville's Homecoming football game last Fall. Our display featured a huge Louisville Cardinal clipping the tail from the opponent's mascot Bobcat. Unfortunately, the tale was reversed when the teams met on the gridiron. For the first time in several years, the display mechanisms worked perfectly. Although the judges awarded the Best Decorations prize to others, campus opinion put us in first place.

This last quarter has seen the election of Brothers Graham, McDonald, and Morgan Waugh to Sigma Tau. Several other Brothers have won positions in Student Government and Professional Societies during past months.

Cupid has been active lately resulting in the marriage of Brother Jerry Schmitt and the engagements of David Carroll



Prize winners, Barbara Dahlem and George Huber

and Stewart Stauss. The Bachelor's Club is expecting further losses momentarily.

We wish to take this opportunity to wish Good Luck to the graduating Seniors. Their activity and dedication to our principles has been matchless.

Delta Beta invites all Theta Taus to visit the Chapter whenever they pass through Louisville. We would also like to hear from alumni and are interested in their latest addresses.

Yours in H and T
Morgan S. Waugh
Corresponding Secretary

Social and Professional Activities at Epsilon Beta



The actives of Epsilon Beta would like to extend their best wishes to their brothers throughout the country. For the present semester our presiding officers are as follows: Regent, Lawrence C. Boczar;

Vice Regent, Willard E. Johnston; Scribe, Mitchell P. Zdyb; Treasurer, Russell Hornes, and Corresponding Secretary, Edmond Van Elslander. Dr. Harold G. Donnelly is our much appreciated Chapter Adviser.

One new member, Arthur Wesa, was initiated into the fraternity during the past semester. We are in the process of welcoming back brothers Earl Hendrickson, George Maule, Harlan Worden, and Jim Padden from the services of Uncle Sam. At present our membership stands at 26.

Our pledge master for this term is Clem Bonmarito. Clem, at present, is in control of seven prospective members.

The social calendar of the Chapter has been filled with many activities worthy of note. The New Year was rung in by '30 actives and their dates at a New Year's Eve party at Bob Galmeyer's house. Just recently Epsilon Beta crowned its first sweetheart at the University Inter-Fraternity Council Ball. The lucky girl was Karen Wright, escorted by her fiancé, Bob Guschick. In the future the chapter is planning two sorority mixer parties, a chapter anniversary party, and our annual Memorial Day picnic with the Alumni Association. In addition to these activities, four of our brothers are taking the fatal plunge into matrimony this coming summer. The marked men are Lawrence C. Boczar, Bob Guschick, Bill Montierh, and George Eskola.

On the professional side, Epsilon Beta

has appointed a committee for professional development, headed by Ray Schooley. Speakers, faculty and alumni are invited to speak to the actives once a month on engineering topics. We are also in the process of building a missile display for

the Engineering College's forthcoming Engineering Showcase.

Yours in H and T,
Edmond Van Elslander
Corresponding Secretary

Alumni Notes

GAMMA

- Munn, Harold E., '17, is on the staff of the New South Wales Department of Technical Education. Home is at Flat 1, 46 Cliff Road, Wologong, New South Wales, Australia.
- Lindeman, Frank Jr., '33, is vice president, O and G United Carbon Co., P. O. Box 1813, Charleston 27, West Virginia.
- Tarr, Charles M., '38, now lives at 180 Allison Street, Lakewood, Colo.
- Crawley, Alvin S., '39, has formed his own construction company to sub-contract drilling and blasting. He presently has 1,200,000 yds. under contract on Interstate Highway 57 in Southern Illinois. Home is Goresville, Illinois.
- Aldrich, F. C., '48, has become manager of Ohio Oil's Sidney, Nebraska Production District and receives mail c/o Ohio Oil Co., P. O. Box 39, Sidney.
- Matheson, Kenneth Jr., '48, lives at 614 15th Avenue, Salt Lake City, Utah.
- Seevley, John, '48, is at 4325 Central Ave., Western Springs, Illinois.
- Pitinger, James H., '49, gets mail c/o Shell Oil Co., Box 2000, Houston, Texas.
- Martin, Richard G., '50, is geophysicist with the Pure Oil Company and lives at 3161 S. Utica, Denver, Colorado.
- Kerwin, Robert L., '53, is now at 1233 S. Emerson St., Denver 10, Colo.
- Irwin, Joseph Jr., '54, can be reached at 11 Empire Bldg., Calgary, Alberta, Canada.
- McCall, Donald L., '54, is now at 4631 Rio Drive, Midland, Texas.
- Kohrwald, Richard J., '55, is at 833 Derivation, Casper, Wyoming.
- Bonnellord, Louis M., '57, is a metallurgist, 2nd Lt. U.S.A., Germantown, Maryland. His mailing address is 8888 Piney Branch Road, Silver Spring, Maryland.
- Kelny, William R., '58, is a petroleum engineer with United Producing Co. Inc., of Liberal, Kansas. He lives at 416 Yale Street, Liberal.

EPSILON

- Taliferro, N. L., '13, has retired from the geological faculty of the University of California in Berkeley and mail should be addressed to Box 933, Route 2, Walnut Creek, Calif.
- Ashley, I. H., '22, is in charge of operations at Round Mt., Nevada.
- Rott, Edward H., '25, gets mail at Calle 8, No. 4-16, Ibaque, Colombia, South America.
- Sharpstone, David C., '25, gets mail at Box 1703, Bulawayo, Southern Rhodesia.
- DeCarbonel, W. A., '28, can be addressed at P. O. Box 529, Toiyah, Nevada.
- Allen, John E., '32, is on the faculty of Portland State College and lives at 1620 SW Park Avenue, Portland, Oregon.
- Victoria, Juan, '32, is at 1145 E. Rios, San Juan, Argentina, South America.

ZETA

- Borhm, Edward A., '33, has been promoted to Dial Equipment Engineer with the Illinois Bell Telephone Company.

THETA

- Thoden, Rudolph J., '55, has changed his address from Long Island City, New York, to c/o Arabian American Oil Company, Dhahran, Saudi Arabia.

IOTA

- Boyer, Phillip, '28, is at 1476 Michigan Avenue, Salt Lake City, Utah.
- Histed, Howard, '28, can be addressed at 1826 Moraga Street, San Francisco, California.
- Brugging, Harold J., '32, is senior engineer, Gas Department, Missouri Power and Light Co., Jefferson City, Missouri.
- Gross, Bernard J., '33, is vice president, Marketing, W-K-M, Division of A. F. C. Ind., Inc. Home is at 3210 Champlain Blvd., Houston, Texas.

- Kemper, O. W.*, '35, is at 608 Villevista, Pittsburgh 34, Penn.
- Fisher, Robert Lee*, '36, is at 6401 31st St. N. W., Washington, D. C.
- Ellis, J. Craig*, '38, lives at 524 Highland Avenue, Westfield, New Jersey.
- LeGrand, Jesse S.*, '38, is executive engineer for I. T. T. Laboratories, 500 Washington, Nutley, New Jersey. His home address is 107 Haddenfield Road, Clifton, New Jersey.
- Stuebber, D. H.*, '43, is with Standard-Vacuum Petroleum and can be addressed at Trommel Pos, 044 Palembang, Sumatra, Indonesia.
- Hepp, Joseph T.*, '48, is now at 785 Franklin Street, North Muskegon, Michigan.
- French, Robert G.*, '49, is with Howard, Needles, Tammen and Bergendoff, 1805 Grand, Kansas City, Missouri and lives at 2604 Lawndale, Kansas City 27, Missouri.
- Shepard, William M.*, '51, has a new son, Steven Craig, born March 1959. Home is at 3015 South Jasmine Street, Denver 22, Colo. Brother Shepard is geologist with the Bear Creek Mining Company.
- Theiss, John C.*, '51, is a partner in the firm, Otto E. Heinicke & Co., Consulting Engineers, St. Louis, Missouri. Home is at 8519 Midwood, Berkeley 21, Missouri.
- Zumsteg, Richard*, '51, reports the birth of Mary Margaret on June 18, 1958. The family home is at 4808 Lowell Lane, Fort Worth, Texas.
- Blackwell, William C.*, '53, now lives at Apt. 8, 315 LaSalle, Richardson, Texas.

MU

- Brittain, Claude C.*, '48, is now manager of Industrial Sales for Sinclair's Western Division with headquarters at Kansas City, Mo. He has been with Sinclair Refining Co. for 12 years, is married, and has a daughter 12 and a son 4.

OMICRON

- Howe, H. E.*, '26, is a Project Engineer for Bechtel Corporation in San Francisco. His home is at 108 Wilshire Ct., San Carlos, Calif. This past fall he returned to the Iowa campus for a visit.
- Stiller, Martin W.*, '40, is the assistant factory manager of the Creamery Package Mfg. Company, Lake Mills, Wisconsin, and his home is 106 Keyes Street, Lake Mills.

SIGMA

- Jordan, John W.*, '30, is assistant administrative vice president, U. S. Steel Company, Pittsburgh, Penn.
- Slocum, Richard L.*, '38, is now Professor of Civil Engineering at the University of Arizona and lives at 6232 East Eli Street, Tucson, Arizona.
- Strang, David A.*, '51, is a chemical engineer with Procter and Gamble, in Cincinnati, Ohio.
- Gunsalus, Harry*, '52, reports the birth of a son, Marc Alan, on Sept. 12, 1959. Home is at 7072 Greenleaf Avenue, Cleveland, Ohio.
- Moore, Eugene A.*, '55, is a senior development engineer, Pesco Products Division, Borg-Warner Corp., Bedford, Ohio.
- Mayers, Robert G.*, '56, is an associate engineer, Quality Control Division, IBM Corp., Kingston, New York.

UPSILON

- Gilbert, Stanley K.*, '42, has completed the six-month Spanish Language course at the Language School in Monterey, Calif. He is now a qualified interpreter or translator with an ability to speak Spanish fluently as well as read and write the language.

PHI

- Cummins, Donald G.*, '58, has completed the 8-week communications center operation course at the Southeastern Signal School, Fort Gordon, Ga. Cummins was trained to receive, process, and relay messages by various means of communication.

OMEGA

- Burrill, Scott L.*, '45, has moved to Silver Bell, Arizona as Assistant Mill Superintendent for the American Smelting and Refining Company.
- Peterson, Howard C.*, '50, returned to his Alma Mater, (South Dakota School of Mines and Technology). He now has the position of Assistant Dean of Students and Director of Extension.

GAMMA BETA

- Matchler, Thomas E., Jr.*, '51, is currently living at 4105 Clinton Place, McLean, Virginia.

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