

THE GEAR of THETA TAU

Spring, 1961

Volume I.

Number 2



The **GEAR** *of*
THETA TAU



Spring, 1961

VOLUME I.

NUMBER 2

Editors: P. L. Mercer, Omicron '21
J. W. Howe, Omicron '24
Assistant Editor WILLIAM FRANKLIN, Zeta '56

Engineering Building
Iowa City,
Iowa

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

FOUNDERS

ERICH J. SCHRADER
WILLIAM M. LEWIS

ISAAC B. HANKS
ELWIN L. VINAL

EXECUTIVE COUNCIL

- ERICH J. SCHRADER, Alpha '05 *Counselor of Theta Tau*
420 North Sixteenth Street, Muskogee, Oklahoma
- CHARLES W. BRITZIUS, Alpha '33 *Grand Regent*
2440 Franklin Ave., St. Paul 14, Minnesota
- WILLIAM K. REY, Mu '45 *Grand Vice-Regent*
P. O. Box 664, University, Alabama
- ROBERT E. POPE, Zeta '52 *Grand Scribe*
667 West Canterbury Road, Saint Louis 32, Missouri
- PAUL L. MERCER, Omicron '21 *Grand Treasurer*
P. O. Box 512, Keokuk, Iowa
- RICHARD LYNCH, Epsilon Beta '53 *Grand Marshal*
4367 Berkshire, Detroit 24, Michigan
- CHARLES E. WALES, Epsilon Beta '53 *Grand Inner Guard*
17281 Cicotte, Allen Park, Michigan
- JAY N. THORPE, Lambda '57 *Grand Outer Guard*
5208 - 119th Avenue S. E., Bellevue, Washington

DELEGATE AT LARGE

- A. D. HINCKLEY, Theta '27 *Past Grand Regent*
90 Morningside Drive, New York 27, New York

TRAVELLING SECRETARY

- ROBERT E. POPE, Zeta '52, 667 West Canterbury Road, Saint Louis 32, Missouri

REGIONAL DIRECTORS

- WILLIAM E. FRANKLIN, Southern, 1507 Lyndwood Drive, Lindsay, Oklahoma
- C. RAMOND HANES, Northern, 581 East Dominion Boulevard, Columbus 14, Ohio
- F. GARN HATCH, Western, 1076 Sterling Drive, Salt Lake City, Utah
- CHESTER J. SELDEN, Eastern, 11 North Brook, Geneva, New York

THE GEAR OF THETA TAU

- P. L. MERCER, Omicron '21, and J. W. HOWE, Omicron '24 . . . *Editors*
- WILLIAM E. FRANKLIN, Zeta '56 *Asst. Editor*
212 Engineering Building, Iowa City, Iowa

ARCHIVIST

- MILTON S. WUNDERLICH, Alpha '19, 545 Mount Curve Boulevard, St. Paul 16, Minnesota

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
Union Building, University of Utah, 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
Theta Tau Box, Mech. Eng. Bldg., 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.
- 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
(Chapter house) 301 North University, Fayetteville, Arkansas

Chapters (Continued)

PHI, Established April 21, 1928 - - - - - Purdue University
(Chapter house) 416 North Chauncey, West Lafayette, Indiana

CHI, Established April 23, 1930 - - - - - University of Arizona
(Chapter house) 840 E. Fourth St., Tucson, Arizona

PSI, Established May 7, 1932 - - - - - Montana School of Mines
c/o Prof. Douglas H. Harnish, Petroleum Engineering Department,
Montana School of Mines, 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

ZETA BETA, Established May 7, 1960
Utah State University of Agriculture and Applied Science
Box 254, Union Building, Utah State University, Logan, Utah

PRESIDENTS OF ALUMNI ASSOCIATIONS AND CLUBS

Central—Dale E. Bissman, 140 East Tulane, Columbus, Ohio
Chicago—All T. Swanson, 479 Winchester Road, Chicago Heights, Illinois
Cleveland—James R. McKinney, 715 Union Building, Cleveland 15, Ohio
Detroit—William A. Monticello, 18686 Poinciana, Detroit 40, Michigan
Intermountain—Walter G. Price, 517 15th Avenue, Salt Lake City 3, Utah
Kansas City—Herman A. Janzen, 619 Ann Avenue, Kansas City 1, Kansas
National Capital—Samuel A. Mashood, 4008 Ferrara Drive, Silver Spring, Maryland
Southwestern—Earl A. Hamilton, 4808 East Bellview, Tucson, Arizona
Twin City—Glenn Swartz, 3020 Rankin Road, Minneapolis 18, Minnesota

MEMBERS OF THE PROFESSIONAL INTERFRATERNITY CONFERENCE



ARCHITECTURE, Alpha Rho Chi. CHEMISTRY, Alpha Chi Sigma. COMMERCE AND BUSINESS ADMINISTRATION, Alpha Kappa Psi, Delta Sigma Pi. DENTISTRY, Alpha Omega, Delta Sigma Delta, Xi Psi Phi, Psi Omega. EDUCATION, Kappa Phi Kappa, Phi Epsilon Kappa. ENGINEERING, Theta Tau, Sigma Phi Delta. LAW, Gamma Eta Gamma, Delta Theta Phi, Phi Alpha Delta, Phi Beta Gamma, Phi Delta Phi, Sigma Delta Kappa. MEDICINE, Alpha Kappa Kappa, Nu Sigma Nu, Phi Beta Pi, Phi Chi, Phi Delta Epsilon, Phi Lambda Kappa, Phi Rho Sigma, Theta Kappa Psi. MUSIC, Phi Mu Alpha Sinfonia. PHARMACY, Kappa Psi, Rho Pi Phi, Phi Delta Chi. VETERINARY MEDICINE, Omega Tau Sigma.

The Erich J. Schrader Convention

Twenty-Third Biennial Convention Held in Detroit

PRELIMINARY ACTIVITIES

As the "fabulous fifties" drew to a close, Theta Tau met in Detroit for its Twenty-Third Biennial Convention in the commodious Statler-Hilton. National officers and delegates began arriving on Tuesday, December 27, and by evening practically all delegates had been examined by the Credentials Committee despite the late arrival of Brothers Rey and Lynch because of bad flying weather, and were ready to hear the ground rules for the work which was to begin the next morning. Members of Epsilon Beta manned the registration desk and were standing by all through the meetings to provide any services needed. Committee assignments to most of the working committees were made Tuesday night and practically all of the delegates began to acquaint themselves with the fraternity's problems.

FIRST BUSINESS SESSION

Opening Session

The next morning the officers and delegates in attendance were the following:

NATIONAL OFFICERS

Grand Regent Charles W. Britzin, Alpha '33
Grand Vice Regent William K. Rey, Mu '45
Grand Scribe Robert E. Pope, Zeta '32
Grand Treasurer Paul L. Mercer, Omicron '21
Grand Marshal Richard Lynch, Epsilon Beta '51
Grand Inner Guard C. Ramond Hanes, Sigma '24

Grand Outer Guard Charles E. Wales, Epsilon Beta '53

GEAR Editor: J. W. Howe, Omicron '21
Regional representatives: William E. Franklin, Zeta '57; Jay N. Thorpe, Lambda '57

CHAPTER DELEGATES AND ALTERNATES

Alpha Delegate: Gary Lamont
Alpha Alternate: Herrman Gollwitzer
Beta Delegate: Henry W. Weber
Beta Alternate: James I. Love
Gamma Delegate: George S. Dennison
Delta Delegate: Gene Desmond
Delta Alternate: Greg Ruppert
Epsilon Delegate: Walter W. Wozniak, Jr.
Zeta Delegate: John A. Truster, Jr.
Iota Delegate: Terry Lee Mills
Iota Alternate: Michael C. Kearney
Lambda Delegate: Bill G. Seib
Lambda Alternate: Glenn R. Johnson
Mu Delegate: William S. Railroad, Jr.
Mu Alternate: Robert K. Helms
Omicron Delegate: William D. Ashton
Omicron Alternate: James E. Tomlinson
Pi Delegate: Robert S. Goodman, III
Pi Alternate: Richard A. Butleson
Rho Delegate: Jimmy Leonard
Rho Alternate: Cecil F. Harrington
Sigma Delegate: Roger A. Grubic
Sigma Alternate: C. Fred Leithe
Tau Delegate: Christos I. Grigoriou
Upsilon Delegate: V. Snowden Armstrong
Upsilon Alternate: David D. Fouat
Phi Delegate: David A. Pfaff
Chi Delegate: Everett C. Johnson
Psi Delegate: C. Cameron Brown, Jr.
Omega Delegate: Larry A. Blair
Omega Alternate: John P. Bingham, Jr.
Gamma Beta Delegate: Daniel B. Havens
Delta Beta Delegate: James B. Guffey
Delta Beta Alternate: Lawrence Nold, Jr.
Epsilon Beta Delegate: Ray W. Schooley
Epsilon Beta Alt.: Warren M. Lydecker
Zeta Beta Delegate: Jack A. Grimmett



DELEGATES TO ERICH J. SCHRADER CONVENTION

Row 1, Sitting on Floor (l. to r.): C. Fred Leithe, Sigma Alternate; Roger Grubie, Sigma Delegate; Gregory Ruppert, Delta Alternate; Glenn R. Johnson, Lambda Alternate; Herman Gollwitzer, Alpha Alternate; C. Edwin Alter, Lambda Guest.

Row 2, Kneeling (l. to r.): Chuck Gorgen, Robert K. Helms, Mu Alternate; Everett C. Johnson, Chi Delegate; Donald R. Sigman, Sigma Guest; Eugene F. Desmond, Delta Delegate; George G. Dodd, Zeta Guest; John Dealy, Zeta Guest; James Miller, Lambda Guest; Gary Lamont, Alpha Delegate; Christos Grigoriou, Tau Delegate; Richard Burleson, Pi Alternate.

Row 3, Chairs (l. to r.): Russel Glass, Past Grand Regent; C. Raymond Hanes, Grand Inner Guard; Charles Wales, Grand Outer Guard; Richard Lynch, Grand Marshal; Robert E. Pope, Grand Scribe; Charles Britzius, Grand Regent; William K. Rey, Grand Vice Regent; Paul L. Mercer, Grand Treasurer; J. W. Howe, *GRAN Editor*; H. G. Donnelly, Epsilon Beta Chapter Adviser; Jay N. Thorpe, Regional Representative; William E. Franklin, Regional Representative.

Row 4, Floor Standing (l. to r.): Terry Lee Mills, Iota Delegate; C. Cameron Brown, Psi Delegate; John P. Blinzhum, Jr., Omega Alternate; Jack A. Grinnett, Zeta Beta Delegate; Larry A. Blair, Omega Delegate; Ronald W. Schooley, Epsilon Beta Delegate; Daniel B. Havens, Gamma Beta Delegate; Michael C. Kearney, Iota Alternate; Charles Blagi, Epsilon Beta Guest; George S. Dennison, Gamma Delegate; Russell C. Holmes, Epsilon Beta Guest; Ed Van Elslander, Epsilon Beta Guest; William S. Raiford, Mu Delegate; W. W. Wornardt, II, Epsilon Delegate; James L. Love, Beta Alternate; Larry Nold, Delta Beta Alternate; Don L. Hinton, Delta Beta Guest; Howard M. Hess, Epsilon Beta '34 Guest; Miles G. Northrop, Delta Beta Chapter Adviser; John A. Trotter, Zeta Delegate; Snowden Armstrong, Upsilon Delegate.

Row 5, Standing Chairs (l. to r.): James C. Leonard, Rho Delegate; William R. Sexsons, Jr., Rho Guest; Cecil F. Harrington, Rho Alternate; William D. Ashton, Omicron Delegate; James E. Tomlinson, Omicron Alternate; David A. Pfaff, Phi Delegate; Robert S. Goodman, Pi Delegate; David D. Foust, Upsilon Alternate; Robert E. G. Lagodny, Jr., Epsilon Beta Guest; Louis A. Morris, Epsilon Beta Guest; Henry W. Weber, Beta Delegate; Bill G. Seib, Lambda Delegate; Chris B. Betwee, Epsilon Beta Guest; Robert E. Knoll, Epsilon Beta Guest; William A. Monticello, Detroit Alumni Club; Monty Lydecker, Epsilon Beta Alternate; James B. Guffey, Delta Beta Delegate.

Professor Harold G. Donnelly, the Epsilon Beta adviser, acted as temporary chairman and presented the members of the Executive Council who were seated either side of the podium in one of the best arrangements used at any convention.

Grand Inner Guard Hanes reported that all delegates except those from Iota and Xi had been examined and that those from Alpha, Zeta, Pi, Sigma, Chi, and Omega were superior in their demonstration of fraternity knowledge.

National Officers Report

Grand Regent Britzius was the first to report. He told of his part in the installation of Zeta Beta Chapter, meetings with the Executive Council, and the P.I.C., and a visit with Founder Erich J. Schrader. The actions of the Executive Council during the biennium were reviewed in full. Important among these was the appointment of Brother Pope as Travelling Secretary, the determination of new rules for the Schrader Award, and discussions with the officers of Sigma Phi Delta. Recommendations relative to the revocation of the Theta

charter and conditions under which a new chapter could form, continuation of the travelling secretary's work, and a reexamination of the dues structure were made. The Grand Regent concluded with kind words for several who had rendered significant service during the biennium.

Grand Vice Regent Rey

Grand Vice Regent Rey was next with a brief report indicating his work as chairman of the Schrader Award Committee and his recommendation as to the desirability of establishing chapters in the South.

Grand Scribe Pope

Because of his dual role of Grand Scribe and Travelling Secretary, Bob Pope gave a combined report of his intertwined activities. Because of his considerable travelling, each of the twenty-four chapters was visited in the biennium, something that has not been done for many years. As a result of the visits, the need for permanent chapter headquarters and officers' calendars and rushing books supplied by the national organization were strongly recommended.



Brother Britzius Addressing Convention Session



Zeta Men at Convention: Dealy, Franklin, Trotter, Pope, and Dodd

After more than a quarter of a century of no growth, a new chapter had been added at Zeta Beta and he felt that the potential for many more is present. Of the 150 accredited engineering schools, 40 to 60 look desirable for chapters. Some twenty were visited, of which ten looked like possible locations for expansion.

Brother Pope's visits included Lambda, Chi, and Zeta Chapters, the spring conferences in Regions II and IV, the Los Angeles and Kansas City Alumni Associations, the Zeta Beta installation, and the funeral of Past Grand Regent Jamison Vawter.

Several recommendations were made. These included providing the GEAR to all alumni initiated before the life subscription plan of 1930, the removal of the two-term limit on the office of Grand Regent, a system of fines for chapters delinquent in reports, the setting of a ceiling on the evergrowing GEAR Endowment Fund, a moderate increase in dues and fees (equivalent to the cost of a pack of cigarettes per month), and the continuation of the Travelling Secretary position for another two years.

At the conclusion of Brother Pope's report, Past Grand Regent Russ Glass asked for the floor since he could not attend all of the Convention and he expressed his opinion in favor of limiting the terms of the Grand Regent to two.

Grand Treasurer Mercer

The Grand Treasurer revealed the most active biennium, from the financial standpoint, in the history of the fraternity. Because of the loss of the services of Erich Schrader, Executive Secretary, and the activity of the newly appointed travelling secretary, the full brunt of all fraternity receipts, payments, monthly Federal reports on social security and income tax deductions, and investment decisions was borne by Brother Mercer. He reported that the costs of normal activities of the fraternity were within the receipts by some \$1500, but that the temporary high rate of expenditures for expansion had caused a deficit of some \$11,000 for the biennium. It had, of course, been anticipated at the last convention that this would happen and that reserves would have to be drawn upon to sustain the travelling secretary.

The report elicited questions and suggestions from the delegates. The desirability of a permanent headquarters and the possibility of a dues increase were mentioned.

Gear Editors' Report

Brother Howe reported that the fraternity magazine was reaching about forty percent of the Theta Taus graduated in the last thirty years despite a high number of "lost" alumni. He pointed out that Founder Schrader's inability to search alumni periodicals for news of Theta Taus was a big factor in the large number of "lost" brothers.

Costs for the biennium were \$9100, making it slightly the cheapest in the past decade. Costs have been low due to a favorable printing contract with a local firm and due to the publication of two issues of smaller than usual size.

Brother Howe indicated that this would be his last report since he expected to be on leave next fall and felt that after thirty-two years he was entitled to turn over the reins to the next generation in the person of William Franklin. Brother Franklin has been acting as assistant editor and has given every indication of being an excellent choice to carry on the publication of the magazine.

Grand Inner Guard

Brother Ramond Hanes had served as chairman of the Extension Committee and was greatly pleased with the progress being made by the travelling secretary. He reported many visits with Theta Taus in his travels and one official visit to Sigma Chapter.

Grand Marshal Lynch

Dick Lynch reported his activities since taking over from Past Grand Regent John Daniels at the beginning of the biennium. He noted that Delta was the first chapter to pass the 1000 mark having initiated its one thousand and third member just before this convention. The total membership of the fraternity moved from 15,304 to 16,007, an increase of 703 for the biennium. He noted visits to Delta and Epsilon Beta chapters and concluded with some "musts" for chapter officers if the membership record is to be kept in proper order.

Grand Outer Guard

Brother Wales reported on his activity as chairman of the Regional Conference Committee. Four meetings were held, Rho, Zeta, Delta Beta, and Omega acting as host chapters. All but five chapters of



Grand Marshal's Report

the fraternity participated in these meetings and these participants were enthusiastic about the value of the exchange of ideas. Brother Grimmett of the newest chapter testified that his group had benefited greatly from their attendance at the Omega meeting. Brother Wales reported the cost of the meetings as \$1700.

Reports of Regional Representatives

Regional Representatives William Franklin and Jay Thorpe next reported. Brother Franklin had been active in revising the extension booklet, contacting a local at Houston, preparing "This is Theta Tau," a rushing booklet, and preparing the convention and banquet programs. He recommended the appointment of eight regional representatives, continuation of the office of traveling secretary, raising of dues, and the adoption of minimum standards for pledges.

Brother Thorpe had been active in alumni contacts and visits to three schools where extension seemed possible. His participation in the installation of Zeta Beta chapter gave him great satisfaction because of his original efforts as an undergraduate to get a chapter under way at Utah State. He, too, emphasized the desirability of having regional representatives with considerable responsibility for promoting expansion as well as assisting in the operations of existing chapters.

Brother Seldon submitted a written report indicating that a change of employment had curtailed his opportunity for travel. However, he had visited Delta Beta, Zeta, and

Epsilon in the early part of the biennium.

Memorial Service

Just before lunch, the business meeting was discontinued to prepare for the memorial service which was conducted by the Grand Regent and Grand Scribe. Two past Grand Regents, Jamison Vawter and Norman Bruce Ames, led the names of those who were lost in the biennium. Brother Ames had participated actively in the last convention. Three other prominent faculty men were also memorialized: Elting H. Comstock, Alpha '17; Otto S. Zelter, Alpha '05, and Thomas C. Shedd, Kappa '13. In all, forty-three brothers were honored.

OPENING LUNCH

Wayne Officials Welcome Delegates

At the noon luncheon Wednesday, the Epsilon Beta adviser, Professor Harold G. Donnelly introduced Dean J. S. Johnson, who admitted to membership in Triangle but pleaded that in his undergraduate days "he had no choice." He nevertheless expressed his satisfaction with the performance of Epsilon Beta at Wayne and welcomed the delegates to the campus. The Director of Men's Activities, John Bates, said he would "brag for the chapter" and proceeded to do so. The program was concluded by Associate Dean Al Hess, who had sat once as a graduate student in one of ye editor's classes.

Immediately after lunch, the convention picture was taken after working out a sardine type of arrangement in a limited space.



Dean Johnson of W. S. U. Addressing Luncheon

SECOND BUSINESS SESSION

Alumni Associations Report

Representatives from several of the alumni associations took over after lunch: Ray Hanes for the Central A. A. and Chuck Britzius for the Twin City A. A. Both described working arrangements with the active chapters and participation in the financing and operation of the chapter houses.

Chapter Reports

Delegates then gave brief reports of the activities of their chapters. Various accounts of special events of accomplishments were of interest to all delegates and occasional sparks

of wit illuminated the reports. Sample: Epsilon Beta delegate, "Our main problem in intramural competition was that the other fraternities' teams practiced!"

EVENING OF FIRST DAY

Ritual Work Shop

A new feature of this convention, introduced by Grand Scribe Bob Pope, was a practice session on the ritual. Bob demonstrated proper methods and the reasons for certain procedures in the ritual work with the aid of the Ritual Committee. Delegates had an opportunity to suggest improvements or ask questions and found this session very informative.

Russ Glass Talks

The Wednesday night dinner was held in Stouffer's Restaurant a block from the hotel. Past Grand Regent Glass, who had gotten into a bind on dates and was thus not able to attend the Convention Banquet the next night, was therefore given this opportunity to reminisce about his many years of contact with Theta Tau. In his term as Grand Regent (1939-1946), which



Ray W. Schooley,
Epsilon Beta Delegate, Speaks



Brothers Hanes, Glass and Britzin at Shouffer's Restaurant

was interrupted by military service in World War II, he had visited all but two of the chapters of the fraternity and had attended all conventions of Theta Tau since the war. The delegates left the restaurant to get at their numerous committee assignments or any other activity which seemed more pressing at the moment.

THIRD BUSINESS SESSION SECOND DAY

Committee Reports

Thursday was devoted to consideration of Committee reports. Ray Hanes as chairman of the Alumni Association Committee noted the reactivation of associations in Kansas City and Louisville and told of contacts made in St. Louis, Los Angeles, Wichita, and Berkeley.

The Extension Committee report by Raiford of Mu got into lots of parliamentary trouble over a possible merger with a competing fraternity. Amendments, motions calling for the previous question, substitute motions, questions as to the meaning of a unanimous vote when one or more delegates were not present finally drove the Grand Regent

to appoint Grand Treasurer Mercer the parliamentarian, a role which Grand Treasurer Vawter had always filled. After this lengthy but probably beneficial baptism of fire, the principal recommendation of the Committee relative to the continuation of the travelling secretary's position for the next biennium was carried. It was also definitely decided that Theta Tau should not enter a non-accredited school of engineering.

Brother Trotter of Zeta presented the Ritual Committee report suggesting that certain minor word changes be approved and incorporated in the ritual presentation that evening. The convention accepted some but not all of these recommendations and adjourned for lunch.

FOURTH BUSINESS SESSION SECOND DAY

The afternoon session started with the Convention Committee report by Goodman of Pi. After noting that invitations had been received from Lambda, Mu, and Delta Beta, the Committee recommended that the latter be accepted. Also sug-

gested was the elimination and streamlining of convention reports. This stirred up a lot of argument and before the suggestion was defeated (following a motion for the previous question) no less than twenty delegates got into the act. A motion asking the host chapter to provide social activities for the delegates also failed, the consensus being that the fraternity spends thousands of dollars assembling the delegates for a concentrated work session rather than to entertain them.

The Insignia Committee report presented by Leonard of Rho also got into the discussion buzz-saw and the chair was finally empowered to limit debate. No changes in basic insignia were proposed.

Brother Grimmert of Zeta Beta presented the report of the Eligibility Committee and as a result of favorable action, engineers taking programs in Tool and Manufacturing Engineering and in Geophysics are eligible for membership. Applied Mathematics was turned down by

failure to receive the necessary majority for a constitutional change.

The Constitution Committee report presented by Johnson of Chi ran into rough going also and retired from the field with the understanding that it would make other proposals on the following day.

Brown of Psi next presented the Budget Committee report recommending an increase in the national initiation fee of \$5.00 and an increase of \$1.00 per semester in dues. Such action would bring estimated revenues for the next biennium to \$43,500. Proposed expenditures \$7400 in excess of this for this particular biennium were recommended. It was recognized that the expansion efforts of the travelling secretary would require deficit spending for one more biennium but that the increase in dues would hold it to an acceptable level. With minor amendments, the proposals of the Committee were accepted without dissenting vote and the business meeting was adjourned for the day.



Convention Argument



Head Table at Banquet, Brother Howe Presiding

EVENING OF SECOND DAY

Initiation Ceremony

The initiation team, so well rehearsed the previous afternoon, put on a formal initiation in the interim before dinner. Brothers Ashton of Omicron, Trotter of Zeta, Lamont of Alpha, Blair of Omega, Schooley of Epsilon Beta, Leithe of Sigma, and Havens of Gamma Beta made an outstanding presentation which was of great practical value to all chapters whose delegates saw this smooth and correct presentation of the ritual.

Convention Banquet

The Convention Banquet was to have been "MC'd" by Past Grand Regent Glass, but when he discovered that he could not be in Detroit at that time, GEAR Editor Howe was asked to take over. His partner, Brother Paul Mercer, discovered as he sat down that he was programmed to give the invocation but, despite the shock, he rallied to this somewhat unfamiliar assignment so well that none realized his predicament.

Following dinner, Schooley of Epsilon Beta got out a box of big fat cigars and asked all delegates to

join in a custom of his chapter—the complete smoking of a cigar following an initiation. Everyone rallied to the challenge (including ye editor who had withdrawn his support of the tobacco industry twenty years ago) and, to the best of our observation, no one left the tables or turned green.

Letters and telegrams from many prominent Theta Taus were read beginning with two from Founders Erich Schrader and Elwin Vinal. H. H. Hopkins sent a message despite the fact that he had been assaulted and robbed in Chicago a day or two before and as a result was unable to attend the Convention.



Brother Pope Presenting Most Outstanding Delegate Award to Jack Grimmett, Zeta Beta

The program was short. Grand Scribe Pope presented the Outstanding Delegate Award to Jack Grimmett, delegate from the newest chapter, Zeta Beta. All were pleased that Jack had entered into the business of the Convention so well that he had received this distinction from his fellow delegates.



Brothers Trotter and Grimmett
Exchange Congratulations.

Grand Vice Regent Rey next presented the Erich J. Schrader Award to Zeta Chapter. Delegate Trotter accepted it and rather ruefully recounted his troubles in getting it packed to bring from Lawrence to Detroit since it was in their possession as winners in the previous biennium. Now he would have to reverse the process because of his chapter's success. However, it was



Brother Rey Presenting E. J. Schrader
Award to Trotter of Zeta

apparent that he was more than willing to do so.

Grand Regent Britzius concluded the program with an excellent talk on the professional aspects of engineering. Brother Britzius was uniquely qualified for this subject since, in addition to heading the country's largest professional engineering fraternity, he was a director of the National Society of Professional Engineers and had just completed a term as a director of the American Society of Civil Engineers. Brother Britzius' talk is reproduced on page 25, since it will be of interest to all Theta Taus. The Banquet program completed, the delegates went back to their committee work in considerable numbers, having been seasoned by the two days of concentrated business.



Brother Britzius Addressing Banquet

FIFTH BUSINESS SESSION THIRD DAY

Committee Reports Continue

First on the floor Friday morning was Weber of Beta, chairman of the Schrader Award Committee. The Committee recommended the addition of a few questions to the annual report, thereby making it unnecessary to fill out additional Schrader Award forms. It also recommended minor alterations in point awards and was given a favorable vote on all suggestions.

The Auditing Committee, Grubic of Sigma chairman, gave a clean bill of health to the Grand Treasurer, the Grand Marshal, and the GEAR, although it felt that the Grand Treasurer's books should be audited by a professional because of their complexity.

Grigoriou of Tau next presented the report of the Discipline Committee. Of chief importance was the recommendation for the revocation of the Theta charter which had been suspended because of unfraternal conduct of the chapter prior to the Twenty-Second Biennial Convention. The recommendation was carried and it was made clear that if Theta Tau were to return to the Columbia campus, a student group would have to go through the usual stages of a petitioning local fraternity.

Dennison of Gamma presented the Expense Voucher Auditing Committee report and suggested that delegates who taxied in from the airport for \$7.00 would be allowed only \$1.85 for the limousine trip back.

Plaff of Phi brought in several

constructive recommendations from the Regional Conferences Committee. These included the establishment of five regions rather than four, increasing the expense allowance of chapter delegations in proportion to the size of the delegation and the establishment of prize money for delegates making the best presentations. With slight modification, the Committee recommendations were adopted.

Johnson of Chi returned with the second part of the Constitution and By-Laws Committee report for a formidable list of twenty-two recommendations. Favorable action was secured on these important items:

All alumni shall now receive the GEAR if free of debt to the fraternity.

A member must remain active as long as he is an undergraduate on campus.

A procedure for becoming an inactive member was set up and active membership for graduate members was made voluntary.

The installation fee for new chapters was increased to \$250.

The duties of a Regional Director were set forth.

National dues and fees were increased.

The endorsement of practically all of the Committee proposals by the required Constitutional majority was indeed a compliment to the Committee's care in studying and presenting its material.

Guffey of Delta Beta presented the Publications Committee report which had to do chiefly with corrections and insertions in the Pledge Manual, glamorizing of the GEAR format (no mention of increased

costs involved—Editor) and the adoption of a national pledge test. These recommendations were adopted except that pertaining to the GEAR, which was presented as a suggestion.

The Insignia Committee report was presented by Leonard of Rho and had but one recommendation relative to wall decorations in the form of the badge, which was adopted.

The Extension Committee returned with a supplemental report leaving negotiations for mergers in the hands of the Executive Committee and the Convention recessed for lunch. It therewith established a new record, at least for the last three decades, for length since normally all business is completed by lunch time on the third day.

SIXTH BUSINESS SESSION THIRD DAY

The afternoon business, however, was not too formidable. The Ritual

Committee secured the establishment of an interim committee charged with four major classes of revision, provision of certain equipment to all chapters, and a change of fraternity policy relative to denominational schools.

Mills of Iota presented the Resolutions Committee report, the first item of which was the naming of the Convention, "The Erich J. Schrader Convention," and the last, the expression of gratitude to the local chapter for its excellent handling of all arrangements.

Election of Officers

The Convention was then ready for the report of the Nominating Committee, Armstrong of Upsilon, chairman. The present Grand Regent, Grand Vice Regent, Grand Scribe, Grand Treasurer, and Grand Marshal were nominated to succeed themselves, whereas Charles Wales, Epsilon Beta '53, and William E. Franklin, Zeta '57, were nominated



Committee Meeting



New Brass: Wales, Lynch, Britzius, Pope, Franklin

for Grand Inner Guard and Reynolds Watkins, Lambda '38, and Jay N. Thorpe, Lambda '57, were nominated for Grand Outer Guard. The first five were then elected by a voice vote, no delegate dissenting. Upon ballot vote, Charles Wales was elected Grand Inner Guard. William Franklin was then nominated from the floor for Grand Outer Guard. Jay N. Thorpe was subsequently elected by ballot.

It was moved that William E. Franklin be recommended for ap-

pointment as GEAR Editor and carried without dissenting vote.

Installation of Officers

The installation of the newly elected officers was then held, GEAR Editor Howe presiding, and finally returning the gavel to Grand Regent Britzius for his continued use during the coming biennium. The Convention was closed at 3:20 p.m. and officers and delegates began scrambling for the planes which in a few hours would distribute them over the United States.

Convention Survey Reveals "Average" Delegate

The Delegate survey initiated by Zeta Chapter at the Golden Anniversary Convention was again taken at the Twenty-Third Biennial Convention. Results showed striking similarities to the "Average Delegate" of two and four years ago. In

addition to personal data on each man, the questionnaire sought information on individual Chapter activities.

The survey included 24 delegates and 13 alternates. The average man was 21.6 years old, a junior in Elec-

trical Engineering, single, and had been a Theta Tau for 1.3 years. These statistics had their extremes. Ages varied from 18 to 26. There were 12 seniors, 15 juniors, 8 sophomores, and two graduate students. Only four men were married. Major fields of study included 11 in Electrical Engineering, six in Mechanical Engineering, four in Civil Engineering and a variety of others from Mining to Math. Initiation dates varied from January 1956 to November 1960—just one month before the Convention. Nine men were also members of social fraternities, including three from house Chapters.

In sharp contrast to previous Conventions was the fact that only seven men were or had been Regents, and only six, Vice Regents of their chapters. Several men were outstanding in extracurricular activities, but there were fewer honorary organizations represented than in previous Conventions. The reason seems obvious when reviewing the classes of these men. Most delegates and alternates were underclassmen, while senior status is often required for

Chapter officers and honorary memberships. These men showed their good potential from their variety of appointive positions and departmental societies to which they belonged.

The men showed interest in various forms of inter-Chapter contact. Many felt the Regional Conferences were the most worthwhile method of inter-Chapter relations. These conferences have become increasingly popular in recent years because of the close contact and informal exchanges of ideas there. Other methods suggested included exchanging newsletters, swapping of party songs, etc.

A desire for stronger and better alumni relations was expressed by many Chapters.

The survey revealed much other interesting information about our Chapters and delegates, including two men who listed their marital status as "none."

Once again the Convention did not have a man present who could fit all of the "averages" cited, thus proving there is no delegate who is truly "average."

Jack A Grimmatt Selected Outstanding Delegate of Twenty-Third Biennial Convention

Brother Jack A Grimmatt, Zeta Beta '62, was chosen Outstanding Delegate of the Twenty-Third Biennial Convention. This is the highest honor which Theta Tau can bestow on an active member. Selection is by vote of the delegates attending the Convention.

Jack became the tenth man and the first charter member to be chosen Outstanding Delegate. The award was announced by Grand Scribe Pope at the Convention Banquet.

Brother Grimmatt was initiated into Theta Tau as a charter mem-

ber of Zeta Beta Chapter in May 1960. He became that Chapter's first Regent and was serving in that position at the time of the Convention. He is a junior majoring in Electrical Engineering and is a member of I.R.E. Like many of his brothers at Utah State, Jack is married.

Brother Grimmert served as chairman of the Eligibility Committee, was on the Schrader Award Committee, and participated in all Convention activities. Much is expected of this enthusiastic and personable Theta Tau who distinguished himself as the Outstanding Delegate of the Twenty-Third Biennial Convention.



Jack A. Grimmert

Charles Wales Moved to Grand Inner Guard



Charles Wales

In May 1951, Epsilon Sigma Fraternity at Wayne State University became the Epsilon Beta Chapter of Theta Tau. Charles Wales has been an "active" member of our Fraternity ever since. His participation in Detroit Alumni Association activities began in 1954 when he started at Wayne as an instructor. They include president, vice president, secretary, active chapter representative, professional program chairman, and poker and bridge player. During his two-year term as Grand Outer Guard, he served the Fraternity as Chairman of the Regional Conferences.

As a member of the Chemical Engineering staff at Wayne, his duties include teaching graduate and undergraduate classes, curriculum

planning and development, schedule planning and student counseling. He is also active in student activities as the adviser of the student A.I.Ch.E. chapter; a member of the University Student-Faculty Council; adviser to the *Wayne Engineer*, and National Chairman of the Engineering College Magazines Associated. He served as faculty adviser for the first Engineering College open house and as a member of the Engineering Student-Faculty Board. In the fall of 1960 he was promoted to associate professor.

During summers, Brother Wales has worked as an assistant to a staff specialist at Wyandotte Chemicals

Corporation and conducted seminars for the engineering staff of the Production Research Department. In addition, he has assisted the manager of personnel planning in the operation of a Summer Institute program for college employees.

He is a Registered Professional Engineer in Michigan. He actively participates in his professional society, A.I.Ch.E. In the Detroit Section he has been treasurer, editor of the newsletter, and chairman of the hospitality and membership committees. On the national level he is a member of the membership and education projects committees.

He is a busy man.

Jay N. Thorpe Elected Grand Outer Guard

Jay N. Thorpe, newly elected Grand Outer Guard, has been ac-



Jay N. Thorpe

tively engaged in Theta Tau affairs since 1954, helping to build Lambda Chapter from a membership of ten actives, only five participating, to an industrious chapter of thirty-five. During this time he served as Scribe and Vice-Regent. He was the Lambda Chapter delegate to the Twenty-First Biennial Convention at Columbus, Ohio. It was at this Convention that the need for expansion of the fraternity became apparent to Brother Thorpe. From this was born the desire to establish a chapter at Utah State University. He thus became instrumental in the establishment of Zeta Beta Chapter of Utah State. Brother Thorpe has also served as Regional Representative, an office he proposed at the Twenty-First Biennial Convention, and on the Board of Directors of the Intermountain Alumni Association.

Brother Thorpe was born in Peerless, Utah, and at about age four

moved to Springville, Utah. There he attended grade school and Springville High School. It was during the eleventh grade that the urge to join the Navy came and he entered the service April 29, 1941. He arrived at Pearl Harbor on December 5, 1941, and was on the U.S.S. Honolulu during the December 7 attack on Pearl Harbor. Brother Thorpe served in all theaters during the war including the Atlantic and Pacific, and was also at the first atomic bomb test at Bikini Atol as part of joint task force one. He was discharged April 20, 1947, and entered the Reserve. While preparing a proper background and getting financially settled to go to college, Brother Thorpe was again called into the service in October 1950 and was discharged February 1952.

Brother Thorpe entered the University of Utah immediately thereafter and graduated in 1957 with a B.S. degree in Electrical Engineering. While at the University, he

was a member of Alpha Phi Omega National Service Fraternity, serving as Secretary, Vice President, and President and was active in the student chapter of IRE. He worked part time on a TV repair business and also worked one full summer and one school year on a University Upper-Air Research Project. During two summers and one quarter he worked full time at Utah Power and Light Company on an electronic incremental generator loading system.

After graduation, Brother Thorpe went to work for Sperry Utah Engineering Laboratories in the digital computer area on the Sergeant Missile project, where he became a project engineer. He went to Boeing Airplane Company in August of 1960 as a Research Engineer on the Physics Technology Staff working on the Dyna Soar, manned orbital space flight project, where he is presently employed.

William E. Franklin Appointed Editor

At the Twenty-Third Biennial Convention, Brothers J. W. Howe and P. L. Mercer announced their plans to retire after 32 years of service as Editors of the GEAR. On March 18, the Executive Council appointed William E. Franklin, Zeta '57, the new Editor effective July first.

Topeka, Kansas, is Brother Franklin's home town. He enrolled at the University of Kansas in 1952 and was initiated into Zeta Chapter in February 1954. As an undergraduate, he served the Chapter as Marshal, Pledge Trainer, Vice Regent,

and Regent as well as alternate delegate to the Golden Anniversary Convention in 1954. Bill was also associate editor and editor of the *Kansas Engineer* and president of the Engineering Council. He was elected to Sigma Tau and Omicron Delta Kappa.

In February 1957, Brother Franklin received his B.S. degree in Geological Engineering and joined Cities Service Petroleum Company as an engineering trainee. Shortly thereafter, Brother A. D. Hinckley, the Grand Regent, appointed Bill a Regional Representative of the Ex-



William E. Franklin

Executive Council. He was the first to be appointed under the program set up by the Twenty-First Biennial

Convention. Among other duties, Bill has prepared the booklets, *Theta Tau on Your Campus*, *Rushing and Pledge Training Manual*, and *This is Theta Tau*. In the spring of 1959, Bill was appointed Assistant Editor of the GEAR by Grand Regent Britzius.

Brother Franklin is now a petroleum engineer for Cities Service in Lindsay, Oklahoma. He is helping to develop the Northeast Purdy Unit, the largest water flood unit in the Mid-Continent area. Bill is a junior member of the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME), and is treasurer of Sooner Toastmasters' Club.

Bill is married and has a year-old son. His wife Marge, also a graduate engineer and former editor of the *Kansas Engineer*, will serve as secretary for the GEAR.

Founder Schrader Moves

Founder Erich J. Schrader is now living in Muskogee, Oklahoma. He became ill last December and moved from Reno to Muskogee to live with his sister and brother-in-law, Mr. and Mrs. Niles of 420 North 16 Street, Muskogee, Oklahoma. On February 18 he was visited by Grand Scribe Robert E. Pope and Regional Representative William E. Franklin. Brother Pope thought his condition was considerably improved since he last visited him in March 1960. Brother Schrader was interested in the possibility of Theta Tau's establishing a Chapter in Oklahoma. The GEAR has received two communications from Brother Erich containing news of alumni.



Erich J. Schrader

Grand Regent's Message at Twenty-Third Biennial Convention

It is a pleasure speaking to this group on this occasion, our 23rd Biennial Convention and I feel a responsibility to present some information to you that will be of lasting value. This I hope to be able to do. If you recall the 1960 spring GEAR, you will know of my concern for professional development programs. I am very concerned that engineering courses do not offer sufficient information concerning the professional aspects of engineers. Recent surveys confirm my fears. What do I mean by "Professional Subjects?" I mean the following:

- Character and History of the Profession
- Ethics
- Registration
- Unionization
- Development of Engineering Education
- Engineering Organization and Unity

There are other subjects of value to the student engineer, such as those that are cultural, that should definitely be a part of an engineering training and which also can be a part of our Fraternity's Professional Development Program. I would like to take a few moments this evening to discuss one of the subjects I mentioned, namely, the "Character and History of the Profession." Information concerning the subject has been gathered and presented by the Engineers' Council for Professional Development. This organization was founded and



Charles W. Britzius

is being sponsored by the following organizations:

1. American Society of Civil Engineers
2. American Institute of Mining, Metallurgical, and Petroleum Engineers
3. The American Society of Mechanical Engineers
4. The Engineering Institute of Canada
5. American Institute of Electrical Engineers
6. American Society for Engineering Education
7. American Institute of Chemical Engineers
8. National Council of State Boards of Engineering Examiners

As its name indicates, the ECPD is concerned primarily with professional development. A further indication as to the scope of its activities is indicated by the names of some of its committees, such as

Student Development

Ethics

Recognition

Development of Young Engineers

Guidance

The earliest recognized professions are the ministry, medicine, and law. The attributes of a profession as offered by the ECPD are as follows:

1. It must satisfy an indispensable and beneficial social need.
2. Its work must require the exercise of discretion and judgment and not be subject to standardization.
3. It is a type of activity conducted upon a high intellectual plane. (a) Its knowledge and skills are not common possessions of the general public; they are the results of tested research and experience and are acquired through a special discipline of education and practice. (b) Engineering requires a body of distinctive knowledge (science) and art (skill).
4. It must have a group consciousness for the promotion of technical knowledge and professional ideals and for rendering social services.
5. It should have legal status and must require well-formulated standards of admission.

The attributes of the practitioners of a profession are as follows:

1. They must have a service motive, sharing their advances in knowledge, guarding their professional integrity and ideals, and tendering gratuitous public service in addition to that engaged by clients.
2. They must recognize their obligations to society and to other practitioners by living up to established and accepted codes of conduct.
3. They must assume relations of confidence and accept individual responsibility.
4. They should be members of professional groups and they should carry their part of the responsibility of advancing professional knowledge, ideals, and practices.

First of all, we consider the ministry because for generation after generation, the avowed objectives have been unselfish service and admonition to the highest possible living. Now and then individuals have been anxious to further the priestly cause by building up legends, heroizing themselves as mediators, and emphasizing formal worship, but in every generation there have been members of the craft whose self-imposed duty has been unselfishly to help the people. They have not tried to build a strong well-knit organization, but they have expended themselves in doing what they could to help others live better lives. As American settlements moved westward, the circuit rider, sometimes with a musket on his shoulder, moved with them. He carried his Bible and his exhortations to every community. He

preached fear of punishment in an after life, but he was ready to render every aid at his command whenever there was sickness or distress. Sometimes his parishioners doubted his theology; however, they never doubted his motives for good or his willingness to accept the dangers which were theirs.

Medicine, because of its special technical knowledge, occupies an even greater place of confidence than does that of the ministry. Bold prophets, without technical knowledge, have always found a place in the ministry. This is practically impossible in medicine, though at times a quack will prosper for a day, then he will be driven out of practice. To perform with requisite skill, the practitioners must have knowledge of many subjects; there is no substitute for knowledge. No one in society today has a greater call upon the esteem of the community and its people than the physician. Doctors are available on call; they wear themselves out in the service of their patients, and when they use their money as do normal citizens, no one begrudges their prosperity. The healing of disease, the saving of a hand or an eye, or the saving of a life cannot be valued in money; these services are worth more than any normal charge.

Law has had more ups and downs than either the ministry or medicine, yet it is riding high today. In a generation which is trying to do all kinds of tasks by government, the lawyer is having a heyday. Lawyers make up the Congress and the State legislatures, they interpret the laws their brethren

have made; they advise on taxes and regulations, and they furnish the judges who decide disputes and determine who shall go to jail and who shall remain free. Americans are so used to regulation by law that whenever there is an evil they will remedy it by "passing a law." Lawyers are generally conservative, their training causes them to venerate the past; they would leave things as they are, though they take an active part in community affairs. Far-seeing lawyers are enhancing their profession and making the people believe that law is a noble profession.

Why all the talk about preachers, doctors, and lawyers when our interest is with engineers? Obviously, we are not a different class of practitioner; we also are servants of the people. Sometimes the service is hidden behind the doors of a large industry or a large organization, but upon analysis, we find that the engineer is producing goods and services for all who eat, and wear, and ride, and consume the products of industry and the farm. Since engineers have built the railroads and the factories, the highways and the bridges, the buildings and the cities, they have been dealing with inanimate things and the public has recognized their services, but not in the same personal way that it has for the other professions. Their voices should be heard in civic affairs; they know machines, power, traffic, sanitation, water supply, transportation, and a hundred other things which are the lifeblood of the communities. To inherit the public esteem which they deserve, their services must be recognized by

the public. Engineers are not just hired help, they are the key designers and operators of modern industry.

Engineering is handicapped in its aspirations to be considered a profession. Its educational requirements have not been as high as those for the other professions but this condition is being corrected. The primary deterrent, as I see it, is that most engineers are em-

ployees. We find as a rule that engineers in individual private practice have the greatest professional consciousness. Next to those engineers in private practice, I would place those in teaching. In further order, I would place employees in public service, in contracting, in sales, and in industry.

I have only covered the first item of my list of professional subjects. Perhaps later, I can continue.

David Minton in Distinguished Company



Battelle Institute Vice President David C. Minton, Jr., Chi '30, has been named to the Advisory Council of the Patent, Trademark, and Copyright Foundation.

Affiliated with George Washington University, the Foundation was established in 1954 to support research on basic principles and practical operations of the patent, trademark, and copyright systems and to educate the public on the relation of these systems to industrial and social progress. Previous members of the Advisory Council include Vannevar Bush, Thomas K. Finletter, Learned Hand, Charles F. Kettering, David E. Lillenthal, David Sarnoff, and Charles E. Wilson.

Brother Minton, who lives at 2640 Bridgeview Road, Columbus, Ohio, serves also on the Materials Advisory Board of the National Academy of Sciences—National Research Council and the National Association of Manufacturers' Committee on Research. During World War II he served as administrator of metallurgical research for the War Metallurgy Committee and the National Defense Research Council.

Comments from the Travelling Secretary

By ROBERT E. POPE

Seventeen months ago, we embarked upon the Traveling Secretary program. During that period we have visited many campuses new to Theta Tau and on ten of these we have been successful already in developing among fine student engineers an interest in establishing a Theta Tau Chapter. We have visited our active Chapters (some of them more than once), and we have made a small start on promoting alumni activities.

Assessing the results of this effort cannot, I believe, be done completely in an objective way like counting dollars in the treasury. The tangible results are well known: One new Chapter was installed during this period, and we expect that another will be installed this spring; twenty-four Chapters (all of them) were officially visited by national officers during the single 1958-60 biennium for the first time in two decades. But each time the Theta Tau idea is presented on a campus where our Fraternity is unknown, each time a Chapter program is improved, each time a worthwhile suggestion from a Chapter becomes a national policy, and each time the interest of an alumnus is rekindled, I think that Theta Tau has gained.

As the results of the recent Convention's action, we are entering upon an additional two-year period of this program. Looking toward the immediate future, intensive follow-up is required to bring to completion the projects we have begun on non-Theta Tau campuses. At



the same time, the effectiveness of the travelling Secretary's office must be increased in order to maximize our results. To do both things, the services of Theta Taus (actives and alumni) will be most urgently needed and solicited. Through their help, the effectiveness of the Traveling Secretary program can be multiplied many fold.

In recent months, it has been the vogue to view all aspects of life and activities in America in terms of the "New Frontier" enunciated by our new national administration. At the risk of being labeled unoriginal, or of offending those of our members whose candidate did not win the Presidency, I feel compelled to apply this concept to Theta Tau's position at the present time because it seems particularly appropriate.

I am sure that there have been

earlier times in the history of our Fraternity when equally challenging frontiers were faced. Whether we are able to cross the present one with vigor and success as great or greater than that of our predecessors remains to be seen. The result will depend not alone upon the ability of those of us who are charged with specific responsibility to our national organization, but upon the interest and dedicated effort of many members whether they are serving on interim committees, among the ranks in our Chapters or Alumni Associations, or geographically remote from centers of current Fraternity activity.

The interest in our present efforts expressed by many members has been gratifying. Of even greater importance will be their service in support of these efforts. Now is the time for each of us to give attention to fulfilling our individual pledges

"... to endeavor . . . to perpetuate . . . the Fraternity at large, . . . and . . . to help spread the Fraternity to other colleges; . . ." The reward to the individual for participating in a significant way in any field beyond the new frontier is that remarkable inward feeling of having helped our Fraternity at an important time in its history.

Three vast fields lie just beyond the new frontier for our Fraternity: Extension through establishment of new Chapters; improvement of Chapter programs through increased liaison; and promotion of greater alumni activities involving new and existing Associations. With devotion to our motto: "Whatsoever thy hand findeth to do, do it with thy might;" and with united effort and combined strength, I am confident that we can cross this new frontier and achieve the desired goal: A greater Theta Tau.

Thomas Irvine Becomes Dean of State U. of N. Y.

Dr. Thomas F. Irvine, honorary member, Alpha Chapter, has been appointed Dean of Engineering at the newly organized State University of New York on Long Island. Dr. Irvine, a nationally recognized authority in the field of heat transfer, had been a member of the Mechanical Engineering Department at North Carolina State College since September 1959. Among his other activities at N. C. State, he taught a course in the North Carolina State College Engineering Honors Program, a special program of study

in which talented engineering undergraduates can take advanced material. Dr. Irvine participated in many of the events of Rho Chapter during breaks in his many other activities.

In going to the State University of New York, Dr. Irvine follows Dr. John F. Lee, the former Head of the Mechanical Engineering Department at N. C. State, who is the President of the State University of New York. Both Dr. Irvine and Dr. Lee assumed the duties of their new positions in February of this year.

Professional Growth—A Continuing Obligation (Part II)

By DR. MERRITT A. WILLIAMSON
Dean of Engineering
Pennsylvania State University

I will begin this discussion with a consideration of the implications of the word professional. As a noun, I think we all know what it means. In athletics, it means a person who performs in return for pay; in other words, one who earns his living by performing athletic feats.

Since he does this as a full time occupation, he generally, although not always, comes to acquire a skill which far surpasses those who love the sport, but engage in it only on a part-time, money-free basis. These latter are called amateurs.

Throughout this paper, however, "professional" will be used as an adjective derived from the word profession. The traditional four professions were theology, pedagogy, law, and medicine.

Engineering has been recognized in certain quarters for nearly 50 years as a profession, although it has not yet attained the public acceptance as a profession that the other four enjoy.

The business man is commonly distinguished from the professional man, but schools of business, like the University of Chicago, are trying to break down this conception. They prepare business men to regard their work as a profession. What, then, is the essence of a profession? What characterizes and delineates it?

Being a professional man means, among other things, that you:

(1) Have acquired a fund of special, organized, theoretical knowl-

edge, and that you have had training in acquiring it;

(2) Recognize your responsibilities to clients, employers, associates, and the general public.

Special Privileges

In short this means that you are working for more than mere financial remuneration. Being a member of a profession carries with it special privileges which, in turn, impose special obligations. Since engineering is defined as a profession but science is not, we might well ask where the scientist fits into this scheme. A differentiation is usually made between the two.

It seems to me that the difference lies first, in the concept of "application," second, in the concern for and appreciation of the dollar sign, and third, in the awareness of responsibility to the general public as contrasted with the personal gratification coming from the satisfying of personal intellectual curiosity.

Again, like the distinction between the businessman and the professional man, the distinction between the engineer and the scientist is gradually disappearing. Men trained as scientists are showing increasing concern with the dollar sign; and, since the atomic bomb, many have suddenly been shocked into a feeling of responsibility to society as a whole for the way in which their discoveries are applied. It seems to me that scientists, as I like to regard them, need but little encouragement to adopt a professional attitude.

Professional growth as a continuing program may be discussed from

several points of view. I propose to consider the subject around the following three questions:

1. What should the young engineer entering the profession do to insure his own professional growth? What kind of program should he map out for himself?

2. What should the man who has been out of school five or six years be doing to insure his continued growth?

3. What should we as supervisors of engineers and scientists be doing to encourage professionalism on the part of our employees?

Mutual Benefit

Before we proceed to examine these three questions, it might be well to state that I make the assumption that encouragement of professional attitudes and outlooks is a desirable thing both for the individual and for the company as well as society at large.

I accept as axiomatic that anything which increases the individual's fund of specialized, organized, theoretical learning and training is good and desirable, and that recognition of the individual's responsibilities to humanity whether they be employers, employees, associates, or the general public is also good and desirable.

Now let us consider the young technically trained man entering industry. What should he do to insure his own professional growth? What kind of a program should he map out for himself?

Let us assume that he has just obtained his bachelor's degree and has gone to work. I may be wrong, but I think he needs a year off free

from school, courses, required papers, etc. I think every person should give careful consideration to further formal study if he has an opportunity for doing it, but I see no need to rush into it immediately.

I think it is much more important to get adjusted to a work environment, to study the problems at hand in the laboratory, to read books and journals which will give a background in the industry in which he has chosen to work.

I think every young man should read up on the history of his industry, should read early reports in his company's files, talk with men who have been around a long time, find out why certain things are done the way they are.

I also think every young man should, during this time, be observing those in supervisory positions and should pick out for close study one outstanding person whom people like and respect and who is allegedly "on the way up." He should not necessarily copy him, but he should find out what his techniques are and why he is a marked man. An influence of this sort is very potent and the young man ought to be ripe for influence.

Since I am convinced he will be influenced, I am making a plea for the young engineer to select the man whom he will permit to exert this influence. If he drifts, he may very well fall under a more powerful but less desirable influence. Many of us I am sure can trace our attitudes on business to those with whom we worked in the formative stages.

Next, I think the young man

should, if he has not already done so, join the technical society or societies that deal with the subject matter of his major interest. The cost of membership is probably the best investment he can possibly make with his money. He should then read the literature and the journals, perhaps devoting one evening a week to breadth reading and scanning, and one evening a week to depth reading in his chosen major field.

Broaden Background

Depending upon where he went to college, the recent graduate may or may not have acquired a so-called liberal background. If he has not, I would advise him to acquire an outlook on other problems that face humanity which lie outside of his own field. He should start regarding himself as a very important citizen of a great democracy.

Some bedside reading in books or journals dealing with the philosophy of science, with logic, with ethics or even theology should stir a little awareness of the responsibility which he shares in the lives of others.

Study programs on world politics or the great books sessions would, in my opinion, be well worth the time they take. In studying engineering and science, we get so used to thinking with such exactness that a feeling of superiority is apt to pervade our thinking.

The young technical man should realize as soon as possible that there are whole areas of human thought and endeavor of extreme importance that cannot be resolved into neat problems for solution. He should

not feel that the inferior mental caliber of non-scientists is the reason our world is not more tidy!

Let us condense all this by saying that during this first year he should attempt to learn how limited his preparation has been from a professional point of view.

Many years ago before I entered the teaching profession, I told a graduating class that they should not consider their diplomas as a key to the world, but rather as a license which now permits them to go out and get educated; This did not go over very well, I might say, but I feel that someone ought to break the news to graduates that a degree isn't everything!

Although we assumed a young man with a bachelor's degree, the same program might be applied to men with higher degrees. They, having lived a few more years, should have perhaps done more thinking. Graduate work should allow more free time for contemplation. If this time is spent entirely on the technological problems at hand, then in my opinion, the graduate student is no further along toward professionalism than is the man who holds the bachelor's degree. In fact, he may be more handicapped since he may have had two or three more years to reinforce his conviction that science and scientific method will provide answers to all problems.

Participation

The young man should not only belong to his technical society, but should also participate in its affairs by taking time to attend meetings, to meet others eminent in the field,

to ask questions, to become recognized so that he will be introduced to others at dinner meetings.

This builds the foundation for service as a committee member or society officer, which may well be his first real experience in developing the sense of responsibility to others without any monetary return. The content of the meetings, of course, increases his technical competence as well.

As a registered professional engineer myself, I think the young engineer should aspire to registration. I think it is a mark of professional recognition. I most emphatically do not think that those who are not registered are necessarily any less professional or competent, or even that all who hold licenses are "professional" in their attitudes. I think it will come to mean this in time, but registration is not old enough to carry this weight yet. No profession is ever free from malpractitioners anyway.

Further Study Helpful

Later on after the first year, by all means he should consider extension of formal study if pertinent courses are available, and if he is motivated.

There is no doubt in my mind that further academic work does prepare a person for greater responsibility, but it is not the only way. An entirely personal program of study aided and abetted by an older experienced member of the profession, may be just as effective as university study, if not more so. One difference is that the letters after the name are missing and the man's market value may not be as great unless he has a record of published papers and patents available for inspection. Publication of papers should be a definite part of his program and the young man should not resent, but rather welcome, joint authorship since it will associate his name with others who may be better known.

Operation Abolition

Interfraternity Research and Advisory Council, of which the Chairman of your Conference is a Trustee, has been provided prints of the film, "Operation Abolition." It shows an attempt of the Communist Party to influence students.

J. Edgar Hoover says that the San Francisco riots of a few months ago were Communist-inspired and directed. See for yourself what happened at the House Un-American Activities Committee hearings. Answer for yourself the question:

"Who is trying to do away with the H. U. A. C. and why?" You will never forget some of the shocking scenes in this film.

Obtain the film from the office of National Interfraternity Conference, 15 East Fortieth Street, New York 16, New York. Show it to your local councils. IT IS FREE. You pay only shipping charges.

FRANCIS S. VAN DERBUR,
President
Interfraternity Research
and Advisory Council

Committee Schedules Inquiry

The House Space Committee will investigate charges that advanced weapons are being delayed 10 to 15 years because U. S. scientists can't talk to generals and admirals, Chairman Overton Brooks announced.

The Louisiana Democrat, who questioned whether "there is an iron curtain between our scientist and our military planners" said the mere thought appalled him.

Brooks ordered the inquiry after Dr. Richard J. Russell, Epsilon '19, of Louisiana State University, a member of the Defense Department's Science Advisory Committee, said scientists have to deal with colonels or captains or even lesser officers.

Brother Russell, an adviser to the space committee, also said that these officers, "through whom information is filtered are incapable of transmitting the ideas" to the top brass "where they are very badly needed."

"There might be a correction of lag of from 10 to 15 years in (weapons) systems planning if the planners there (at the Pentagon) could

get in touch with their equivalents on the scientific side of the community," Russell said.

Brooks, who described himself as very disturbed by Russell's testimony, said he was convinced that it is absolutely necessary in these days of national peril that scientists be able to communicate with top military planners.

"We shall make a thorough investigation to determine exactly what the situation is and what remedial action, if necessary, should be taken," he said.

Brooks also said a defense official had advised the space committee that the Pentagon's six-year-old Science Advisory Committee probably will be disbanded this year.

As a result, he said, the committee will want to know what steps are being taken to make certain that the ideas of members of the advisory group will be utilized. Without them, Brooks said, "There can be very little effective planning."

—From the *Charlotte Observer*

Dean A. McGee Gets Brotherhood Award

Brother Dean A. McGee, Zeta '26, received the 1961 National Brotherhood Citation of the National Conference of Christians and Jews at the annual Brotherhood Citation Dinner in Oklahoma City on March 23.

When announcing Brother McGee's selection, the chairman of the dinner committee said, "McGee's life has been marked by his services to the community, state, and nation

and by his unfailing concern for persons of all religions, races, socio-economic groups, and nationality backgrounds.

"He has brought honor to our city and state, not only through his phenomenal success as a businessman, but more significantly because he has applied his great talents to the task of meeting some of the most complex human problems of our time."

Brother McGee graduated from the University of Kansas in 1926. After teaching a year, he joined Phillips Petroleum Company as a geologist and in ten years had advanced to chief geologist of that company. In 1937, he joined Kerrlyn Oil Company as vice president in charge of production and exploration. He became a partner in the newly established Kerr-McGee Oil Company in 1946 and in 1954 was named president of the company.

Brother McGee is an elder at Westminster Presbyterian Church and is a member of the National Presbyterian Church board of pensions. He headed the financial campaign for the "Great Plan" at Oklahoma City University, and was a

founder and now serves as president of the Frontier of Science Foundation. He is a member of the advisory board of St. Anthony Hospital, a member of the Oklahoma City board of directors of the National Conference of Christians and Jews, a member of the Urban League, and is chairman of the refining division committee of Project HOPE.

The University of Kansas and Oklahoma City University have honored Brother McGee. He was inducted into the Oklahoma Hall of Fame in 1958. In 1955, he received the award as the most outstanding industrialist in the south, presented by the Southern Association of Science and Industry.

Eligible Curricula—1961

Following action of the Twenty-Third Biennial Convention, the complete list of curricula from which Theta Tau members may be chosen is as follows:

Aeronautical Engineering
 Aeronautics and Astronautics
 Agricultural Engineering (only at Alpha, Epsilon, Rho, Sigma, Upsilon, and Phi Chapters)
 Architectural Engineering
 Ceramic Engineering
 Chemical Engineering
 Civil Engineering
 Electrical Engineering
 Engineering
 Engineering (General)
 Engineering Mechanics
 Engineering Physics
 Engineering Science
 Geological Engineering
 Geology
 Geophysical Engineering

Geophysics (only at Lambda Chapter)
 Industrial Engineering
 Management Engineering
 Materials Engineering
 Mechanical Engineering
 Metallurgical Engineering
 Mining Engineering
 Naval Architecture and Marine Engineering
 Nuclear Engineering
 Petroleum Engineering
 Petroleum Refining Engineering
 Physical Metallurgy
 Sanitary Engineering
 Science Engineering
 Structural Engineering
 Textile Engineering
 Tool and Manufacturing Engineering (only at Zeta Beta Chapter)
 Transportation Engineering
 Welding Engineering

Editorials

"THIRTY"

The following comments were penned two years ago, but because I was persuaded to remain on the GEAR staff for another biennium, they were not printed. Though conditions are somewhat different now, two years later, and Brother Howe and I are bowing out together as your Editors, my thoughts remain much the same as then and so perhaps the words are still appropriate.

Thirty years is a long time in the working life of a man. It is but a short time in the history of the world, and yet a moderately large portion of the history to date of Theta Tau. For thirty years the masthead of the GEAR has remained the same. Now, however, a change takes place with this issue as one name is withdrawn and another added as Editor.

The close association I have had with Joe Howe throughout this thirty-year span because of our work together on the GEAR has been high in importance among the inspirations that have given pleasure and guidance to my adult life. As I retire from this active association I feel impelled to give this fraternal word of testimony to the man who has carried the burdens of our publication while sharing the glories with me. It is scarcely enough to say that I wish to him and to my

successor Godspeed and the best of good fortune.

And now I wonder — is it significant that "Thirty" is the expression universally used by editors and printers to indicate "the end?"

P. L. M.

While "Thirty" was a particularly apt title for the foregoing editorial when it was written, it still serves my purpose in writing the last one of a series stretching back thirty-two years. Like Brother Paul, I have credited the close association brought about by our partnership as editors with the preserving and nourishing of a friendship begun early in our professional lives. This friendship is and will remain an important part of my life. The editorship has also brought many others into the inner circle of friends as we have associated in the three decades with all of the great men of Theta Tau.

We have worked closely at times with Erich Schrader, particularly when getting out the last general directory in 1939. Erich came to Iowa City and gave us the benefit of his remarkable memory of Theta Taus. George Louderback we met only briefly at a convention, but his dynamic interest was easy to recognize. Sid Marine we saw originally at our first convention in 1929. Sid knew more stories than all the rest of the delegates together. He topped them all one night about one o'clock and

then kept going alone until four in the morning—at least we left then. Dick Russell showed up at conventions occasionally after his term as Grand Regent, 1927-1931, and one realized that the fraternity was lucky to have such an able man at the helm. Fred Coffman, the first of the Grand Regents to lose his life, was a warm, human man with faith in everyone. H. H. Hopkins, first GEAR editor and Grand Regent in 1935-1937, has been a standby all his life. He came in as a student (Class of '08), served in several capacities including the interim when Russ Glass, the Grand Regent, was in the Navy and has attended all of the conventions but the last one to the best of our knowledge. He would not have missed the Twenty-Third had he not been assaulted and robbed just before the meeting.

John Daniels was our favorite bridge partner at conventions and Russ Glass was the champion "poll-ticer" of all Theta Taus. He could bring any group around to his way of thinking if he had half an opportunity. Ralph Nusser followed Russ as an able Grand Regent and was in turn succeeded by "Deacon" Ames, one of the fraternity's great supporters. Though an old man at the Twenty-Second Convention in Madison, it was he who routed me out of bed at 7:00 a.m. with the thermometer at zero and proposed a walk downtown for breakfast—which we did! Don Curtis had always been a friend since college days, in fact, my criterion for a good teacher, and it was he whom I

replaced as GEAR editor when taking over for him on the Iowa faculty. Jamison Vawter, Grand Treasurer for many years and Grand Regent in 1952-1954, was an outstanding Theta Tau and a great engineer. And then came Dex Hinckley and Chuck Britzius, the last two Grand Regents. Yes, we have known them all and the work we have done on 64 issues of the GEAR seems insignificant in comparison with the satisfaction and enjoyment derived from these associations.

The GEAR had a somewhat erratic existence until Don Curtis took over in 1926, but from that time on, it has never missed an issue despite the great depression, World War II, or the Korean Police Action. During the war many chapters went out of existence and the engineering faculties, including ours, were training soldiers, but still the GEAR came out. Caught in the spiral of rising prices after the war, the GEAR instituted every conceivable economy in order to permit continued accumulation in the GEAR Endowment Fund and maintenance of membership dues at as low a level as possible. Whereas costs generally have more than tripled, the GEAR has operated in but twice its prewar budget.

We hope that similar trials will not beset the next editor, but if they do, we are sure that he also will rise to the occasion and keep the wheels turning. Bill Franklin has already shown talent and interest and gives promise of producing a better magazine than we have. Our best wishes to you, Bill!

J. W. H.



Clippings

PROFESSIONAL FRATERNITY WORLD

Excerpts from the Interfraternity Research and Advisory Council Bulletin.

* * *

November 1, 1960:

The following is from a statement by F. B. I. Director John Edgar Hoover, issued September 26, 1960: "College fraternities can do much to defeat this communist conspiracy. Their members should know more about the machinations of communism: what communism is, how it operates, what are its aims. They should take the time to study communism carefully and understand its nefarious ingredients. They should acquaint themselves with the tactics of this international conspiracy, both as it operates here in our country and abroad.

"The Fraternity member must be ready to make known his opposition to communism. In this way he can become an example to others on the college campus. A fraternity man, conversant with the evils of communism, can do much to defeat this enemy. His opposition must be based on facts. Witch hunts, the use of innuendo and misinformation are not in the American tradition. Communism can be defeated by the truth—the truth which is embodied in our heritage of freedom."

December 1, 1960:

Russell H. Ewing, a faculty member of the University of California at Los Angeles, has listed 20 tips for better fraternity leadership:

1. Develop Moral Fiber.
2. Inculcate Courage.
3. Leadership Identification and Training.
4. Learn to Like People.
5. Earn Respect.
6. Build Morale.
7. Motivate Others.
8. Be Dynamic.
9. Praise Good Performance.
10. Be Faithful to Principle.
11. Be a Good Follower.
12. Be Enthusiastic.
13. Be Studious.
14. Be Gracious.
15. Be An Attentive Listener.
16. Don't Show Off Authority.
17. Establish National and Chapter Goals.
18. Leadership Through Teamwork.
19. Build True Brotherhood.
20. Develop Goodness and Greatness."

* * *

December 1, 1960:

Dean of Men Donald Alderson of the University of Kansas has given fraternities some pointers on rushing.

"Now more than ever before, the

Greek living group's program of year-long orientation must be meaningful, flexible, and geared to the student's reason for being at KU—to get a good, well-rounded education.

"Dean Alderson stressed that rushing should begin in hometowns with high school boys and should first strive to attract young men to KU. Fraternity men need to be concerned with showing high school boys why they should come to KU. After attracting them to the University, they should work to make the young men look favorably toward the whole fraternity system, and then should rush the men specifically for their fraternity.

"Part of attracting men to the fraternity system would mean clearing up misconceptions some have by explaining that in no case must one have to be a member of a wealthy family to belong to a Greek group. Many students in fraternities have to work every semester to stay in school."

* * *

January 3, 1961:

Barry Goldwater, United States Senator from Arizona, was a principal speaker at the Banquet of the National Interfraternity Conference annual meeting, November 24-26. Mr. Goldwater maintained that the fraternity must survive for it represents the "greatest bastion that we have to provide leadership and preservation of the four basic ideals of American life. The first of these basic ideals is religious values. The second is brotherhood, which stems out of religious values. Senator Goldwater stressed that brotherhood

is the basic value upon which we build our lives. The third basic ideal is individualism. Too many people, he pointed out, "preach the idea of the common man," and we are "bearing too much about the resulting conformity." Senator Goldwater believes "we are and should be uncommon men." There is a great "need for individualism of construction, not destruction." The fourth basic ideal set forth was freedom. He referred to freedom as the "great last weapon in this world against . . . communism." Senator Goldwater went on to discuss the two important challenges of 1960. These lie in the areas of academic work and politics. He feels that the country needs greater emphasis on its academic work because "communism thrives on ignorance, not on poverty and sickness . . . youth is the target for communism." In conclusion, Senator Goldwater stated that "I am a great believer in the fraternity system . . . the forces against the fraternity system are the same ones that are working to destroy the basic ideals of American life and the freedoms of the Bill of Rights." Those in attendance at the Conference Banquet spontaneously responded with a standing ovation.

* * *

February 3, 1961:

From *Freedom's Facts*, November 1960:

"Of this we can be sure. The struggle between Communism and Freedom is going to be stepped up in coming months. Many well-meaning people may be duped into fighting on the Communist side.

This is what Communists are planning on, for alone they do not have the power.

"The job of religious, fraternal, civic, women's, youth, and veteran's organizations is clear in the months ahead. That job is to make sure all their members are fully aware of what Communists are doing, and to offer guidance in combatting the Communist strategy."

March 1, 1961:

Mrs. George G. Rudolph, Delta Delta Delta, 3807 Hadley Square East, Baltimore 18, Maryland, has prepared a pamphlet presenting the facts concerning the pattern of attacks on fraternities and citing the five steps in the master plan to destroy fraternities as we know them. Mrs. Rudolph has a limited number of these available.

Letter to the Editor

1105 22nd Street
Beaumont, Texas

Dear Brother Editor,

Since last August, I have been a resident of this eastern corner of the Lone Star State. At that time, the duPont Company transferred me from New Jersey to here. We are building two new plants here at our Beaumont Works to produce caprolactan and acrylonitrile. Both of these products are textile fiber intermediates. Prior to this, I was in sales development work, handling our line of cellulose products. I am technical superintendent of

these new plants and currently am fighting the interesting and many problems of a plant start-up.

My wife, Cecil, and youngsters, Susan (8) and Stephen (4½), find this part of the country a completely new experience as compared to the routine life in the Northeast. So far, we like it very much.

Regards and best wishes for 1961 to all the brothers from Ilho.

In H and T,
Stanley A. Teiser

Thanks for the new address and the news, Brother Teiser. Hope the Gear brings you interesting news of brothers.

OFFICIAL COMMUNICATION FROM THE GRAND SCRIBE

To: All Members of Theta Tau

Official notice is hereby given that the following is no longer a member of Theta Tau:

Elmer Emanuel Bierwagen, Omega, Roll No. 375

Each member should take due notice thereof and govern himself accordingly.

In H and T,
Robert E. Pope
Grand Scribe

In Memoriam

J. J. Doland, Kappa '14, professor emeritus in the University of Illinois civil engineering department, died December 23, 1960, after a long illness. Born August 1, 1880, in Denver, Colorado, he was graduated from the North Side High School there and worked for two years with the Bureau of Reclamation as roldman and became chief of a surveying party.

In 1914, Brother Doland was graduated from the University of Colorado where he also received his professional civil engineering degree. He was to receive his master's degree from the University of Illinois after he was on the faculty. After graduation from the University of Colorado he returned to the Reclamation Service and worked in Ft. Peck, Montana. He met the former Mary Hoy in Montana and they were married in 1917.

Brother Doland was employed as a general contractor in St. Paul, Minn., in 1917 when he received a first lieutenant's commission in the Army Corps of Engineers. During World War I he was detailed to Nitro, W. Va., in charge of construction and operation of the water system for an explosive plant. Later he was advanced to the rank of captain in the Engineering Corps Reserves, serving until 1935.

At the end of World War I, Brother Doland took a major part in moving an entire town in northern Minnesota. Then he went to Rich Mill, Mo., to be superin-

endent of a strip coal mine. He then was employed again by the Bureau of Reclamation to take charge of major irrigation and hydroelectric structures.

He went to the University of Illinois in 1926 as assistant professor of sanitary engineering and attained full professorial rank in 1934. He also had an honorary doctor's degree from St. John's University.

Before World War II, Professor and Mrs. Doland drove through 37 states and through four foreign countries, visiting nearly every hydroelectric project in North and Central America.

Among the organizations to which he belonged were Tau Beta Pi, Sigma Xi, American Society of Civil Engineers, American Geophysical Union, American Association for the Advancement of Science, and the Society of American Military Engineers as well as Theta Tau.

Brother Doland is survived by his wife, two sisters, Mrs. W. J. Coyle and Miss Florence Doland, both of Denver, Colo., and by a niece, Mrs. George Fiemer, also of Denver.

* *Foxley E. LeCount*, Alpha '34, died on March 22, 1961, at the age of 50. Brother LeCount was a salesman for the Elk River Concrete Products Company of Montana and resided in Billings, Montana. He leaves a wife, one son, and two daughters.

Additions to Membership

ALPHA

- 704 Charles Gordon Ekrodt, Duluth, Minn.
705 Lincoln Thean-Ghye Ong, Singapore
706 Charles Edward Gorgen, Excelsior, Minn.
707 James Teigen Peterson, Annandale, Minn.
708 Richard John Hedger, Minneapolis, Minn.
709 Dale Riese Thronndon, Minneapolis, Minn.
710 Charles Allen Harris, Minneapolis, Minn.

BETA

- 878 Eugene John Partyka, Chicago, Illinois

- 879 Robert Joseph Cys, Chicago, Illinois
880 Richard Agnew Carrier, Lebanon, New Hampshire
881 Robert Allen Stark, Menominee, Mich.
882 Henry Charles Hasse, Niles, Mich.
883 Carlo James Cattarello, Lynn Lake, Manitoba, Canada

GAMMA

- 948 Brent Joseph Beer
949 Kien Palmer De Rubertis, Catonsville, Maryland
950 Glen Edward Hasse, Grand Junction, Colorado
951 William Abbott Henry, Golden, Colorado

- 952 Graham Wellington Howard, Jr.,
Littleton, Colorado
953 John D. Rockaway, Jr., Terrace Park,
Ohio
954 Roy Alan Sample, Laird, Colorado
955 David Harold Strandberg, LaMesa,
California
956 Robert Bryson VanGundy
957 Leroy Emmanuel Wretling, Denver,
Colorado
958 Donald Allan Yunker, Long Beach,
California

ZETA

- 654 Jon Michael Edmonds, Hershey,
Pennsylvania
655 Jerry Lee Ayers, St. Joseph, Missouri

LAMBDA

- 781 Peter Ross Stewart, Salt Lake City,
Utah
782 Thomas Glenville Johnson, Bountiful,
Utah
783 Jack Eugene Payne, Salt Lake City,
Utah

OMICRON

- 607 Bruce Arlo Brye, Marengo, Iowa
608 John Robert Doyle, Iowa City, Iowa
609 James E. Franden, Iowa City, Iowa
610 Dewey Wilmoth Geary, Jr., Iowa
City, Iowa
611 James George Leibold, Cascade, Iowa
612 Joe Wayne Mullins, Des Moines,
Iowa
613 Larry Duane Stillions, Marion, Iowa

RHO

- 625 Barry Newbold Frazelle, Raleigh, No.
Carolina
626 William Edgar Gardner, Kernersville,
No. Carolina
627 Edwin Wilbur Hauser, Lewisville,
No. Carolina
628 Charles Robert Holder, Winston-
Salem, No. Carolina
629 Peter Ashby Leslie, Mt. Holly, No.
Carolina
630 Jerry Franklin McCracken, Boone,
No. Carolina
631 Hubert Wendell McGee, Kernersville,
No. Carolina
632 Gerald Nathan Moore, Fayetteville,
No. Carolina
633 Ronald Eric Sheppard, Winston-Sa-
lem, No. Carolina
634 John Thomas Taylor, Nashville, No.
Carolina
635 Edward Sherman Todd, East Bend,
No. Carolina
636 John Morrison Yandle, Paw Creek,
No. Carolina

SIGMA

- 542 Robert Ellsworth Saum, Columbus,
Ohio

- 543 Paul William Solomon, Lorain, Ohio
544 James Willard Bradley, Columbus,
Ohio
545 Donald Lee Grimm, Columbus, Ohio
546 Allen Earl Moore, Tiffin, Ohio
547 Jack Anthony Thomas, Columbus,
Ohio
548 Gary Alfred Wilhelm, Waterville,
Ohio
549 Alden Earl Stilson, Worthington,
Ohio

UPSILON

- 544 Michael Ernest Zaleski, Magnolia,
Arkansas
545 Larry Gene Brown, Pocahontas, Ar-
kansas
546 Michael Dean Burns, Eldorado, Ar-
kansas
547 Richard Harding Davis, Jr., Stamps,
Arkansas
548 Bob George McKuin, Atkins, Arkan-
sas
549 Carl Dean Miller, Jr., Parkdale, Ar-
kansas
550 Philip Andrew Selig, Corning, Ar-
kansas
551 George Wallace Sorrells, Jr., Stutt-
gart, Arkansas
552 John James Harton, Eldorado, Ar-
kansas
553 Ennis Wayne Norton, Mena, Arkan-
sas
554 Charles Edward Evans, Heber Springs,
Arkansas
555 Joseph Franklin Marlar, Van Buren,
Arkansas
556 Charles Berrougher Friley, Mission,
Kansas
557 John Hermann Ivester, Grady, Ar-
kansas
558 James Robert Norwood, DeQueen,
Arkansas
559 William Harold Hodge, DeQueen,
Arkansas
560 John David McCay, Crossett, Arkan-
sas
561 Charles Crawford Brazil, Searcy, Ar-
kansas
562 Gavin McKinley Jordan, Crossett, Ar-
kansas
563 Frank Ross Anderson, Jr., Eldorado,
Arkansas
564 Ralph Gray Brodie, Little Rock, Ar-
kansas

CHI

- 601 Stevean Wayne Carrell, Morenci,
Arizona
602 Karl Emerson Elers, Tucson, Arizona
603 John James Kaur, Prescott, Arizona
604 John Arthur Laffar, Tucson, Arizona
605 James Irving McCoy, Phoenix, Ari-
zona

- 606 Robert Marshall Rice, Morenci, Arizona
 607 Allan Gary Riker, Tucson, Arizona
 608 Paul Jerome Roemmelt, Tucson, Arizona
 609 John Arthur Ryberg, Jr., Tucson, Arizona
 610 Donald Walter Swindle, Tucson, Arizona
- PSI
- 422 Jerome Jay Blake, Greeley, Colorado
 423 Robert Stanley Martens, Anaconda, Montana
 424 Peter Henry Atkinson, Eldorado, Saskatchewan, Canada
 425 Don Raymond Rolle, Wilbur, Washington
 426 Clarence Cameron Brown, Jr., Vida, Montana
 427 William Clarence Taddy, Butte, Montana
- GAMMA BETA
- 428 Larry Charles Hite, Asheville, No. Carolina
 429 Arthur Thomas Nielsen, Alexandria, Virginia
 430 Richard Herbert Singer, Washington, D. C.
- ZETA BETA
- 21 Jimmie Roy Hill, Smithfield, Utah
 22 Roger Lynn Funk, Tremonton, Utah
 23 Noel Hazen Cooley, Logan, Utah
 24 Nolan Charles Schofield, Layton, Utah
 25 Bruce Richens Oman, Brigham City, Utah

A husband answering the phone:
 "How do I know? Why don't you call the weather bureau?"
 "Who was that?" asked his wife.
 "Some fool wanted to know if the coast was clear."

"This is Rogers, Hutchins and Hutchinson's Incorporated, good morning."

"Is Mr. Hutchins there?"

"May I ask who is calling?"

"This is Mr. Richard's office, of Richard, Richardson and Hartfield Co."

"Just a moment, I'll connect you."

"Mr. Hutchins' office."

"Mr. Hutchins, please, Mr. Richard calling."

"Will you put Mr. Richard on the line please?"

"Mr. Richard? Ready with Mr. Hutchins."

"Hello, Pat? This is Larry. Okay for lunch? Good. See you."

Patient: Doctor, I'm scared. This will be my first operation.

Doctor: I know just how you feel. This is my first operation, too.

A person who claims that absolute zero is impossible to obtain hasn't taken a quiz in thermo yet.

A reckless driver drives as though he owned the road while a careful driver acts as though he owned his car.

"The inner check," said the philosophy prof, "can be applied as well to our everyday lives. Observe, for example, the fly that has just alighted on my nose. I do not lose my temper. I do not swear, I do not blaspheme, I merely say, 'go away, fly,' and, uh—Damn! it's a bee!"

Letters from the Chapters

Alpha Has Strong Professional Development Program



The newly elected officers of Alpha Chapter are: Regent, Larry Feldsien; Vice Regent, Chuck Gorgen; Scribe, Chuck Harris; Treasurer, Millard Garrison; Corresponding Secretary, Lincoln Ong; Historian, Dale Thronsen; House Manager, Jim Peterson. We presently have a membership of thirty-five.

In the fall quarter, our most successful party was the Homescoming Party. The theme was wild west and the house was decorated accordingly. All who attended wore costumes and the attire ranged all the way from that of Indian maidens to gamblers. In the winter quarter, we held our annual winter semi-formal at the Minnesota Valley Country Club on February 10.

We have had a very good Professional Leadership and Development Program this year. Fall quarter we had Professor Helmut G. K. Heinrich speak to us on "Thirty Years of Professional Engineering." Professor Heinrich was a Perennium scientist during World War II and came to

this country following the war to work at the Wright Air Development Center and later teach at the University of Minnesota. Also, during the fall quarter, Mr. Peter Schoeck spoke to us on his experiences in Antarctica while there with the U. S. expedition. During the winter quarter, Mr. Ray Kelly spoke to us on "Impressions of a Recent Engineering Graduate in Industry." Mr. Kelly graduated from the Carnegie Institute of Technology in 1958 and is now an employee of Procter and Gamble, Inc.

The following members of Alpha Chapter are members of honorary societies: Jerry Brothers, Dave Berg, Jim Data, Howard Midje, Phil Schasker, Bob Schaller, Pat Flynn and Rodger Ziemer. In addition, Brothers Berg, Barry, Schasker, Schaller, and Ziemer are members of Tau Beta Pi. Brother Phil Schasker is the president of the Minnesota Alpha Chapter of Tau Beta Pi.

Alpha Chapter initiated into its ranks the following members in the winter quarter: Charles Harris, Dick Hodger, James Peterson, and Dale Thronsen.

In H & T,
Rodger E. Ziemer
Corresponding Secretary

Beta Resumes First Place in Winter Carnival



After having been defeated last year for the first time in nine years, Beta again emerged victorious in Michigan Tech's annual winter carnival. This year's victory made it nine out of ten carnival wins for the men of Beta. Beta Chapter placed third in the snow statue competition with its "Span of Time" depicting the first building on the Michigan Tech campus linked to our future library by the Mackinac Bridge. "Eliot Ness and the Unmentionables" won a first place for Beta in Class A skit competition. The cast for this tv. take-off featured over 40 Beta men. The race for over-all first place was fairly close this year. Beta was only one point ahead of the Independent Student Organization

when it came to the final event, the gruelling human dog sled race. The men from Beta came through in fine style, capturing first place in the race as well as first place in the over-all Winter Carnival competition by a four-point margin. This year's carnival endeavors netted three trophies, two plaques, and a wooden leg (Dog Sled Trophy) for Beta Chapter. Winter carnival is really a great time to be on the Michigan Tech campus and we at Beta would be happy to see some of our brothers from other chapters at future carnivals.

Our annual Christmas party for the children of the local orphan's home was successful this year as usual. This is one event that nearly one hundred percent of the members show up for. It is hard to tell who enjoys themselves more with a pile of toys—the actives or the kids.

Socially, we are looking forward to our



Regent Ulrich Astride "Dog Sled"
Trophy

Millionaires' Party, our Dockman's Holiday shindig, and, of course, our spring formal, the Jacqueminot Ball.

We are now in the process of making plans for Michigan Tech's Engineering Show this spring. Also in the planning stages are our Chapter Founders' Day Banquet and a spring term initiation ceremony and celebration.

We recently elected a new treasurer, Dick Lappo, and a new corresponding secretary, Henry Weber. Our other officers at present are: Regent, Roger Ulrich; Vice

Regent, Larry Dahlin; and Scribe, Wayne Jarvi. At present, Beta Chapter has a membership of fifty-three actives and six pledges. We now have thirty-eight men living in the chapter house.

Beta Chapter has a number of alumni serving in prominent positions on the Michigan Tech faculty. Among these are Dr. Van Pelt, who is now serving as President of Michigan College of Mining and Technology; Dr. Snelgrove, who is at the head of the geology department; Professor Longacre, who is at the head of the physics department; Professor Harrington, who is at the head of the math department; and M. E. Volin, who is the director of the Institute of Mineral Research. Also serving on the faculty is Dr. Fisher. A member of the original Tech faculty, Dr. Fisher has been outstanding in the X-ray field.

A number of Beta's men are in campus organizations. Representing the Student Council are brothers Don Saari (Junior Class President) and Larry Dahlin (Senior representative). In Blue Key, the major social planning and service organization on campus, are brothers Russ Fenner, John Stamm, Don Saari, and Joe Wasielewski. Brother Marty Pero is serving as a member of the Engineering Show Board. Brothers Gene Partyka and George Mitchell are on the Krucenauon staff, the Tech yearbook. Representatives at the Inter-Fraternity Association are brothers Roger Ulrich and Don Saari. Brothers Dan Clark and Tom Delegeorge command the Army ROTC Drill Team.

Our Regent, Roger Ulrich, and Vice Regent, Larry Dahlin, are both listed in



Span of Time

Who's Who in American Colleges and Universities.

Beta is well represented in honorary scholastic fraternities, with about half of the actives belonging to at least one. Outstanding among these men is Paul Beech-

lesbauer, who is president of Phi Lambda Upsilon as well as a member of two others.

Yours in H and T,
Henry Weber
Corresponding Secretary

Gamma Has Good All-Around Program



GOLDEN
•
COLORADO

Gamma Chapter extends its greetings to all the brothers of Theta Tau. Our chapter is increasing in prestige and membership, now num-

bering thirty-eight actives and thirteen pledges for the spring term.

The Winter Carnival Dance, held on March 11, is the pride and joy of Gamma Chapter. As usual, the big problem is renting a hall large enough to hold the Snow Bunnies and ski enthusiasts after a full day of skiing at Loveland Basin, Colo. The success of last year's dance indicates another real bang-up Alpine Fiesta for the Miners of Golden.

The athletic members of our chapter are already getting in shape for the annual "push-ball" contest on Engineers' Day, April 17. This always turns out to be quite an event, filled with many laughs

and bruises. We hope to keep our winning streak for another year.

Many thanks go to Brother Charles Schultz for his fine planning of entertainment for the chapter. We are looking forward to many films and speakers covering a wide range of topics.

A large number of our active members and pledges are members of national honorary fraternities and the ROTC program. In intercollegiate competition, Gamma Chapter is also well represented, having men in all the major varsity sports. We were further honored this past year in having Brother Marvin Kay named to the Little All-American Football Team.

Using the spirit and cooperation that has brought us to our present position on campus, I am sure Gamma Chapter will have another successful year.

Yours in H and T,
Carl F. Nowak
Corresponding Secretary

Delta Initiates Twelve



CLEVELAND
•
OHIO

Delta Chapter initiated twelve new brothers on the Case campus last February 26, bringing the total membership up to twenty-eight. The brothers are planning to help with the

N. A. S. A. exhibit which will be held on the Case campus on April 9-14. The Delta

men will be conducting tours for the visitors.

The newly elected officers of Delta Chapter are: Gene Desmond, Regent; Ken Leonhardt, Vice Regent; Greg Ruppert, Treasurer; Jon Gerbracht, Recording Secretary; Tom Seith, Corresponding Secretary; and Norm Froman, Social Chairman.

Yours in H and T,
Tom Seith
Corresponding Secretary

Zeta Holds Schrader Award



LAWRENCE
•
KANSAS

Since our last letter to the GEAR, we have had the election of new officers. They are: Regent, Jim Clutz; Vice Re-

gent, Tom Kosakowski; Scribe, Mike Roberts; Treasurer, Wayne Pratt; and Corresponding Secretary, Steve Kleppe.

Zeta Chapter has, at present, twenty-one actives and two pledges. Two men were initiated this spring. They are Jon



Chapter Chartering Banquet

Michael Edmonds, Hershey, Penna., and Jerry Lee Ayers, St. Joseph, Missouri.

As may be inferred, the main emphasis this spring here at K. U. is rush. Since the beginning of the semester, we have had many rush guests over each week.

On December 9, we held our annual Jacqueminot Formal at the Holiday Inn. This year was the same as past years in that we had a dinner-dance. Everyone had a most enjoyable time. On March 30 we will again hold our annual banquet for the women engineers on campus. This year, Zeta Chapter's western-style Red Dog Inn party will be held the first part of May.

Zeta Chapter participated in intramural bowling and basketball the past semester, and even though we did not win any first places, we had a lot of fun.

Keeping up with the tradition established in 1951, Zeta Chapter again is building the archway for the Engineering Exposition this year. The theme of this year's event is "Prospect for the Future." We at Zeta Chapter are sure that this year's archway will overshadow any of the archways built in the past.

In the last part of April, the annual Zeta Chapter Chartering Anniversary Banquet will be held. Many local alumni are expected to attend this event. After dinner, the House Corporation Board will meet.

In keeping with the past record, many of the men of Zeta Chapter are active in various campus organizations. The *Kansas Engineer*, a publication of the Engineering School, is well represented by Zeta men. Brothers Jerry Ayers, Wayne Pratt, Bill Fisher, Tom White, Larry Russo, and Steve Kleppe serve on the staff. Brothers Ronald Kozatz and Roger Benefield both belong to Sigma Tau and Tau Beta Pi honor societies.

Zeta Chapter is honored to have won the Erich J. Schrader Award for the second straight time. The award was given to us at the Biennial Convention that was held last December.

We would like to extend an invitation to all our brothers to visit us any time. We are always glad to have visitors from other chapters.

In H and T,
Steve D. Kleppe
Corresponding Secretary



Gambling Party

Omicron Working on Chapter Headquarters



Omicron again sends greetings to all our brothers in Theta Tau. Now, with the Twenty-Third Biennial Convention in the past, the mem-

bers of Omicron Chapter want to again express their thanks to all who worked so hard for the betterment of the Fraternity at large. Along with this, we regret to say that the efforts toward making the proper corrections in our initiation ceremonies failed and the many necessary revisions remain for future conventions. Our Chapter hopes that as this biennium passes, the last opposing brother will better understand the reasons the majority of Chapters and national officers voted in favor of the requested changes.

Omicron is anxiously awaiting a visit from a national officer so he can inspect our new chapter room and check over our chapter records. Late in the fall semester, Theta Taus here at Iowa were busy moving into their new headquarters in the old WSUI radio studio on the top floor of the Engineering Building. Several weeks ago the Chapter began remodeling the room at a total estimated cost of \$150. Omicron has made another big step toward greater Chapter unity and better alumni relations.

Recently, Omicron re-elected Regent William Ashton to guide them through the spring semester. Howard Gustafson is now the new Vice Regent. "Gus" has served as Scribe and has been extremely active in all the engineering organizations. James Tomlinson is currently serving as Scribe. Jim has served as an Outer Guard and will be remembered for his hard work as our alternate to the National Convention. Robert Murdock continues to serve as Treasurer. Since Bob plans to graduate in August, Tom Breese, our former Inner Guard, has begun the job of Assistant Treasurer. This group, along with thirty-four hard working brothers, comprises the spring roll here at Omicron.

Our thirty-nine actives are working long hours on Mecca Week (engineers' week) here at Iowa. The entire success of this event is dependent on their work since between them they represent all the chair-

men and co-chairmen. Besides this activity, they are represented in the officers of all the professional and honorary engineering groups. You can be assured our goal of making a better Omicron and our pledge of supporting all engineering activities is being fulfilled.

Last December we initiated seven pledges. Joe Mullins, senior in electrical engineering who recently placed second in the Big Ten Wrestling Meet, led the pledges in finding the Theta Tau Stone. He had the cooperation of Bruce Brye, Larry Scillione, and John Doyle. James Franden, Jim Leibold, and Dewey Geary found the clues more difficult after an exciting day of entertaining the actives at the informal picnic.

Omicron has been honored frequently by the attendance of some of their alumni at regular Chapter meetings, especially Dave Schmarje, Mike O'Donoghue, and Dick Rabston. We have enjoyed reading the many interesting returns from our Newsletter, and hope to hear from many of you again. We want to thank Russ Roberts, who is now working in Canton, Ohio, for his many letters to his Chapter.

Our professional development continues to grow. We have listened to interesting, informative, and entertaining talks by professors in the fields of law, political science, and geography, and have heard from several of our brothers. If your chapter does not push professional dinner meetings, they miss a way of combining education and enjoyment into very successful results.

The jet engine project is again in progress. Working with a budget of \$300 provided by the College, Dick Scott is busy organizing the Omicron working parties so that the cut-away model will be another step closer to completion.

Omicron enjoys hearing and reading about your activities. We believe that our chapter has prospered from your many suggestions and hope that you may do the same from our ideas. If your travel should bring you near Iowa City, your visit to our Chapter would be welcomed and appreciated.

In H & T,
William Ashton
Regent

Rho Secures Victory Bell for Campus



Rho Chapter has enjoyed its best year yet. We gained twelve new brothers last fall to bring our chapter enrollment of actives up to thirty-eight, and although we are losing eighteen actives by graduation, we are almost assured of reaching full strength this semester since we have invited more than twenty prospective pledges to our spring smoker. To the best of our knowledge, this is the first year we have had to turn down pledges simply because our quota was filled.

Rho will elect new chapter officers for the coming year on March 8, 1961. There is a large slate of candidates for office this year, so we should have ample choice of good leadership for next year. The retiring officers are Robert Robertson, Regent; James C. Leonard, Vice Regent; Gene A. Hoots, Scribe; C. Leon Combs, Treasurer; and Julius P. Brauser, Corresponding Secretary.

As tradition dictates, Rho must have a service project. We have recently undertaken the project of erecting a victory bell on the N. C. State campus. We have obtained the ship's bell from the U. S. S. North Carolina and we are at present formulating plans for its permanent mounting in some prominent location on campus. This bell will not only be-

come part of N. C. State's tradition, but it will give Theta Tau good publicity.

Again this year, Rho will man the information booth during N. C. State's annual Engineers' Fair. Since we are the only engineering fraternity (other than honor fraternities) on campus, we take an active part in the Engineers' Fair every year.

Rho was sorry to see Dr. T. F. Irvine (honorary, Alpha) leave this semester; however, we congratulate him on his promotion. Dr. Irvine resigned his position as Professor of Mechanical Engineering at N. C. State College to become the first Dean of Engineering at the State University of New York on Long Island. Rho will miss his fellowship; however, we realize that our loss is S. U. N. Y.'s gain.

We feel that Rho has a good cross section of engineers on campus. We have brothers on the Engineers' Council and in the following honorary fraternities (among others): Phi Kappa Phi, Tau Beta Pi, Alpha Pi Mu, Pi Tau Sigma, and Phi Eta Sigma. We also have brothers in practically all of the professional engineering societies.

Rho has been enjoying rather good social health this year. We have had at least six parties at the home of our adviser, Brother A. A. Carlyle, plus the Christmas party for children at the N. C. State School for the Blind, and the Spring



Beatnik Party at Brother Carlyle's

Picnic is yet to come. The parties at Brother Carlyle's home are rather informal affairs and everyone looks forward to more of them.

We hope all our fellow chapters have also had a good year, and we wish every brother a prosperous summer. We extend

a cordial invitation to all brothers and alumni to visit us whenever they are in the vicinity of Raleigh.

In H and T,
Julius P. Brauer
Corresponding Secretary

Sigma Renovating Its House



Sigma Chapter is happy to report on its present situation. The membership at this time consists of 33 members and 8 pledges. New officers that were elected for the coming year are

David Arthur Sealer as Regent; Jerry Thomas Reed as Treasurer, and Kenneth James Fulkas Corresponding Secretary. All three men are in their fourth year at O. S. U. The other officers who will be replaced in April are H. David Singer as Vice Regent and Shelton Edwards Green as Scribe.

This year Sigma Chapter has been faced with many undertakings. Probably the foremost one has been the general repair of our fraternity house. Loose plaster was knocked off the walls and ceilings and plasterers were hired to replaster the patches knocked off the walls. After this, all the rooms were painted, desks repaired, and new rugs purchased for the upstairs

rooms. The Wives' Club which consists of the wives of present actives and alumni was responsible for helping us and for making new curtains for most of the rooms. The general repair work will be concluded after we purchase some new furniture for the living room.

Former alumnus Donald Lorimer was invited to the house as a guest speaker and gave a very interesting speech. Don is now working in Columbus as a stock broker and his speech was about Stocks and Bonds. An interesting question and answer period followed the speech.

Our social program has been quite active this year. We have had four House Parties, a Hay Ride, and a Square Dance this year. We also had our Fall Dance which was held at the Beechwood here in Columbus. Right now plans are being prepared for our annual Spring Formal which will be in May.

In H and T,
Kenneth James Fulk
Corresponding Secretary

Tau Small But Active



Tau Chapter extends fraternal greetings to all Brothers of Theta Tau. Our small membership has had an active Fall and is planning an even busier Spring.

This year, the Theta Tau-sponsored Engineering Ball was held in early December where it proved to be one of the highlights of the Christmas festivities for all. Since the work involved in putting on a successful Ball alone would have put too great a work load on our seven members, new methods of "behind the scenes" preparations were organized. With the help of our Deans, the aid of the entire student body was enlisted, while the members of Theta Tau acted as co-ordinators for the project. Raising the application

fee to the Engineers' Queen contest to one dollar resulted in about thirty more applications than last year—one of the rare examples of what economists call a "positive-slope demand curve."

The Ball itself was a success. The weather and location were both favorable. Dean Galbraith did the honors in crowning our pretty queen, and a good time was had by all. Our main social event during the Spring term will be the Engineers' Homecoming Weekend, sponsored jointly with the Student Council.

Two alumni of Tau Chapter are back at Syracuse University doing advanced study. They are Victor Goldschmidt, '57, and Vitold Kroka, '58. Victor is an instructor in the Mechanical Engineering Department.

At present our officers are: Christos Grigoriou, Regent; William Markcrow,

Vice Regent; Earl Bender, Scribe; and Jack Ferguson, Treasurer. We are very fortunate to have Professor E. Ford Pray, III, as our chapter adviser.

Our membership is small, but free of deadwood. Among others we count as members the president of Eta Kappa Nu, the president of AIGE, and the editor, circulation manager, and several staff members of our campus magazine, the *Sliderule*. Bill Markercow is the man who put both the *Sliderule* and the Engineers'

Ball on their feet financially, and in his new capacity as Vice Regent he will be turning his talents toward the Spring pledging program. Thus, we are facing the future with realistic optimism.

We are always eager for ideas, and we believe we have a few of our own to offer. We, therefore, welcome correspondence with all other Chapters.

Yours in H and T,
G. S. Almasi
Corresponding Secretary



Dean Galbraith Crowns Queen of Engineers' Ball

Upsilon Big and Active



After an active fall semester, Upsilon has continued to move along. On February 11, 1961, thirteen new members were initiated and ten men pledged. This brings the present number of

actives and pledges to approximately fifty. It is quite significant to note that about thirty of these fifty men of Theta Tau are actively involved in other organizations—student government, service organizations, national honoraries, professional societies, etc.—and in many of these organizations hold various offices.

Activities of significance other than the February initiation and taking place since the last report to *The Gear* are as follows: An initiation dance preceding the initiation mentioned above, at which



New Initiates of Upsilon Chapter: Seated, l. to r., John Harton, Wayne Norton, Charles Brazil, Chuck Friley, Bill Hodges. Standing, l. to r., Charlie Evans, Robert Norwood, Ralph Budde, Herman Ivester, Joe Marlar, Covin Jordan, David McCay, Ross Anderson.



New Initiate, Charles Evans,
catching up on studies

pledges "served" members upon demand; a St. Pat-St. Patricia Banquet, at which candidates for both titles were honored; taking part in and winning the Class AA intramural basketball championship; and assuming full responsibility for the Coaster Classic to be held during University "Cahale."

Perhaps one of the most important parts of the spring program is the attempt of the chapter to further true professional development on the part of its members. The first of a series of speakers on this topic, Professor J. R. Bissett of Civil Engineering, delivered to the Chapter an address which pointed out the trends of engineering toward the true professional field. Professor Bissett also outlined the increased responsibilities of engineers as a result of these trends. This program has been re-

ceived with enthusiasm on the part of the Chapter; it has proved to be profitable as well as interesting.

As a closing note, Upsilon Chapter makes this statement: We are definitely interested in swapping with other chapters ideas on pledge programs—how about some response?

Yours in H and T,
Robert Norwood
Chairman Special Committees



Pledges waiting all night work
detail preceding initiation

Phi Has Good Rush



The Brothers of Phi extend our cordial greetings to all.

Well, the '60-'61 semester has already rolled into full swing here bringing with it another fine performance from our rush committee. On

February 18, an informal "Casino House" rush party was held which reaped sparkling benefits. The following day brought forth the formal pledging of six new men which brings the total of current pledges up to 11. With pledging only a week old and rush still in progress, our goals have been centered on a 15 man pledge class. The current number of actives is now 24.

Although Chapter activities have been somewhat few and far between, Phi has not become lackadaisical in this respect. In mid-October we held a Fall dance which turned out to be a huge success. Along with the eagerly awaited Christmas season came a bit of love and unselfishness from Phi. We combined with a campus sorority and gave a party for six little urchins. It was definitely a huge success and rewarding experience for us. Also, our professional program is still effectively functioning. Last semester's program was highlighted by Dean O. D. Roberts who gave several personal opinions and views of the Fraternity system at Purdue.

Several individual honorees have been be-

stowed upon members of our household. Brother William Bunnell, present Regent, was activated into the national Civil Engineering honorary, Chi Epsilon. Brother Weiss scored both semesters, becoming an active member in Scabbard and Blade, a nation-wide honorary for advanced ROTC cadets, and recently being tapped as a pledge of Pi Tau Sigma, national Mechanical Engineering honorary. Brother Anthony Meredith was recently activated as a marching member of Purdue's national champion Drill Team, and Brother

Matthew Witzrak was activated into Scabbard and Blade and the Purdue Order of Military Merit.

We at Phi are again looking forward to an even more successful semester and we extend an open invitation for anyone near the home of the "Gold and Black" to pay us a visit. Best wishes to all brothers and alums.

In H and T,
Matthew W. Witzrak
Corresponding Secretary

Chi Has Its Hand in Campus Activities



Chi Chapter started 1961 with a Mexican-style picnic between semesters for graduating seniors. On February 23, alumnus Phillip Newlin, after his spring hunting trip, held a barbecue for members and their guests at his house. The event was thoroughly enjoyed by all. Pledge activities started March 1 with an open meeting and the following Saturday the annual picnic for the 20 actives and the prospective pledges was held, at which the actives won the football game. Our formal initiation and Founders' Day banquet will be April 30, which all Theta Taus traveling through Tucson are cordially invited to attend.

Theta Taus dominate the Engineers' Council this year, besides sticking their

hands into the preparations of the Blarney Book and other Engineering Day activities this spring. On March 17, we will put on the Honors Assembly, where engineers are honored and the outstanding engineer of the year is presented.

Outstanding brother in the chapter is Past Regent Philip Vosskuhler, who is a senior in electrical engineering, this semester's pledge trainer, and a Tau Beta Pi member. Another outstanding brother is Duke Patterson, President of the Engineers' Council. We commend them for their fine work.

This year's officers are: Regent, Everett Johnson, Jr.; Vice Regent, Duke Patterson; Scribe, Marshall Rice; Treasurer, Steve Carrell; and Corresponding Secretary, John Kaur. At present Chi Chapter has 20 actives and 10 pledges.

Yours in H and T,
John Kaur
Corresponding Secretary

Psi Has Both Brains and Brawn



Fraternal greetings to the GEAR staff and all brothers of Theta Tau.

Psi Chapter began the spring semester with the election of new officers, namely: Regent, Peter H. Atkinson; Vice Regent, William C. Tiddy; Scribe, Donald Rolfe; Treasurer, C. Cameron Brown; Corresponding Secretary, Bradley Bilyeu; Inner Guard, Robert Martens; Outer Guard, Graham Cadwell; Marshal, Jerome Blake.

These are now 13 actives and 24 pledges guided once again by our capable adviser, Brother Douglas Harnish, aided by other faculty members—Brothers Koshler Stout, Gustav Stoltz, William Hall, and John McCaslin.

The intramural program, a very important aspect of our college life, is strongly supported by Psi members. Psi won the school intramural championship last year and is presently engaged in a round-robin for tops in basketball. Volleyball is beginning and we expect to do well in that, also. Many of the intercollegiate athletes are Theta Taus, also.

The honorary initiation of William B. Hall into Psi Chapter on March 3, 1961, was a highlight of Psi's history, ending with a dinner for actives in honor of Professor Hall. Brother Hall graduated cum laude from Princeton University in 1950 and received his Master of Science in 1951 from the University of Cincinnati. Mr. Hall belongs to Sigma Xi and Sigma Gamma Epsilon honor societies and to several scientific societies.



Psi Chapter "61"

Other social activities for the year included a dinner at the Vegas Club honoring the new pledges and a toboggan party for the fraternity brothers and their dates, sponsored by the pledges.

A great many of the other campus organizations are led by Psi men, including: M-Club (lettermen), Brothers Atkinson and Rolfe and pledge Czrich; Associated Students, Brothers Gross and Tiddy; Hall Council, Brother Brown and pledges Raibl, Lane, Kotow, and Mazza; Copper Guards, pledges Bayliff, Kotow, and Leisch. Many other Psi members belong to these organizations, also.

Our Founders' Day party is being planned for late May at one of the neighboring dude ranches. Last year's party took place at the Diamond S Ranch and everyone present had a fine time. We expect an active alumni participation this year as it is sure to be a success.

Psi Chapter has continued its program of professional development this year with the presentation of "Life, Liberty, and the Pursuit of Happiness," by Rabbi Max H. Kurt, at a convocation of the student body. Rabbi Kurt, a noted lecturer of western Montana, was well received by those present. During the week of March 20-25, Mr. Koehler Stout, alumnus of Psi Chapter, MSM professor, and member of the Montana Society of Engineers, will present a talk on "Engineering Ethics." At a convocation in April, Mr. Earl H. Genzberger will speak about the spreading Communist danger, especially in the professional fields. His speech will be entitled "Nightmare in Red."

Some of our outstanding seniors are: Gay D. Kravic. Gay was Scribe of the

Copper Guard, Vice Regent of Psi Chapter, and belongs to the AIME Club and the M-Club. He was recently elected to "Who's Who in American Colleges and Universities" and is an honor student who participated in intramurals and lettered in intercollegiate football.

Robert Applegate is the school photographer and holds or has held the following offices: Secretary-Treasurer of AIME, Vice Chairman of the Hall Council, and Corresponding Secretary of Psi Chapter.

Peter J. Gross is an honor student who participated in intramurals and lettered in baseball, hockey, and football. Pete was awarded an All-American Scholastic Football award and holds offices in ASSM (secretary), AIME (vice president), Psi Chapter (Inner Guard), and is a member of the M-Club and Newman Club. Pete's major is geologic engineering with a petroleum option. He plans to work for Shell Oil in Alberta after graduation.

David C. Cushing is a member of the AIME and the Copper Guard and has been Scribe and Vice Regent of Psi Chapter.

Arthur L. Boettcher is a member of the AIME and was the Copper Guard Chancellor and Regent of Psi Chapter. Art was also elected to "Who's Who in American Colleges and Universities" and is presently at the top of the geologic engineering class.

You will be hearing more about these young engineers and their work in the near future, I am quite sure.

Yours in H and T,
Bradley Bilyeu
Corresponding Secretary

Omega Wins Basketball Championship

RAPID CITY
S. D.

Omega Chapter has just completed what it considers a very successful pledging program and is looking forward to seeing these men go active in the near future. We pledged 14 new men, which brings the total number of pledges we have up to 18. Brother Vernon Bump graduated in January so Omega's membership has been reduced to 47 members.

We have just completed our annual Cinch-Buckle T. The "T" is a Western style party where the actives, pledges, and their dates come dressed in cowboy gear from spurs to 10-gallon hats. The party is informal and everybody has more than a good time. We are all looking forward to the one next year.

Since the last GEAR was published, Omega has held its annual election of officers. The new officers are as follows: Regent, Dave Mikkelsen; Vice Regent, Clyde Pietz; Treasurer, Everett Bloom; Corresponding Secretary, Edward Mead; and Scribe, Jack Bingham. Officers appointed by Regent Mikkelsen were Inner

Guard, Dick Wolfram; Outer Guard, Harlan Robbins; and Marshal, Gury Velder. Our new chapter adviser is Dr. R. L. Sandvig, who is Associate Professor of Chemical Engineering at the School of Mines and Technology. He replaced Professor Coyle, who had been our adviser for the past two years.

Brother Larry Blair, who was Omega's delegate to the recent National Convention, was married to Gae Morton of Rapid City on February 17. We at Omega wish two swell people lots of luck.

Don Verando, an alumnus of Omega Chapter, recently gave a talk and showed films at a Professional Development meeting on the types of missiles the Navy is developing. Mr. Verando was on campus interviewing seniors for employment with the Naval Ordnance Testing Station in California.

Omega has done very well in intramural sports this year. One of its basketball teams just won first place in the intramural basketball tournament. Omega has an equally good bowling team.

Yours in H and T,
Edward Mead
Corresponding Secretary



Actives and Chapter House

Gamma Beta Aids in Family Day



Gamma Beta Chapter extends sincere fraternal greetings to all brothers of Theta Tau.

Active leadership of the elected officers and enthusiastic support

of the brothers has made the year 1960-61 an active one for Gamma Beta Chapter. Present officers include: Dan Havens, Regent; John Howie, Vice Regent; Mollette Tharp, Scribe; Lloyd Reiser, Treasurer; Bob Underwood, Assistant Scribe; Ray Morales, Assistant Treasurer; Dick Singer, Corresponding Secretary; Fred Hood, Inner Guard; Wes Harris, Outer Guard; Dean Parker, Marshal; and Floyd Mathews, Pledge Master. Brother Bob Moore, Gamma Beta '59, acts as faculty adviser.

Gamma Beta was very happy to welcome Brother Robert E. Pope, Grand Scribe and Travelling Secretary, to its fall initiation of pledges and banquet and ball. Brother Pope spent several enlightening days in Washington, attending the annual shrimp feast of 11 November and fall initiation of three pledges on 12 November.

The number of three has now increased to seven pledges for the spring semester. These pledges include: Harvey Platt, Elicot Cohen, Jerry Steffel, Cliff Stearns, Doug Jones, John Wolfgang, and Vance Cribb. A successful pledge mixer was held on 11 March. Everyone—pledges, actives, and

alumni—enjoyed the festivities at Brother Wilkinson's home. On 18 March the above seven pledges were to be initiated into Theta Tau, bringing the total of Gamma Beta actives to thirty. This initiation is in celebration of the twenty-sixth anniversary of the installation of Gamma Beta Chapter into Theta Tau on 16 March 1933.

Gamma Beta continues to aid the School of Engineering in student and administrative activities. Its members remain active in and leaders of the school magazine, *Mechelicis*, the Engineers' Council, and the professional organizations, ASME, ASCE, and AIFE-IBE. Aside from these extracurricular functions, the brothers of Gamma Beta continue to rank high in scholarship within the school.

The faculty of the School of Engineering of the George Washington University, initiating a special Engineers' Family Day this year, has called upon Theta Tau to lend its help in its organization. The brothers of Gamma Beta are to act as contacts to area schools and organizations and to participate in the displays and lectures of the Family Day itself.

The beauty of spring lends a brilliance to the landscapes and sights of the Nation's Capital. An open invitation is extended to all brothers to visit us when in Washington.

Yours in H and T,
Dick Singer
Corresponding Secretary



Spring Pledge Mixer

Delta Beta Slogan Means What It Says



The actives of Delta Beta Chapter heartily extend fraternal greetings to all brothers of Theta Tau. The chapter roll consists of thirty-four actives and two pledge classes of six and four pledges each. Pledges Edward Birchler, Robert Harvey, Kenneth James, Raymond Kulbinskas, Michael McCaffery, and William McCulloch are to be formally initiated April 9, 1961.

Our "No. 1 in '61" slogan was given a big boost by winning the house homecoming decorations this fall. The display consisted of a large waterfall fed from a 40 by 50 foot pool covering the front lawn, with the slogan "They've Come A Long Way Down River For This Fall." This initial enthusiasm has typified all activities this

year, and we feel we are well on the way toward realizing our goal.

A hobo party recently given at the house gave us another chance to show off our engineering skill. The front of the house was decorated as a boxcar, with a sliding door over the regular front door. This party also gave us a chance to show off our new songbooks, which took over three months to prepare.

A Valentine Dance was held at the Hunter's Club at the outskirts of Louisville and the Chapter is actively preparing for the Jacqueminot Formal this spring.

We hope to see all alumni at the dance and we invite all weavers of the hammer and tongs to visit the Chapter house when they pass through Louisville.

Yours in H and T,
James B. Guffey

Epsilon Beta Declares War on Sorority



To go along with our best wishes to the active chapters, Epsilon Beta also hopes that all Theta Tau conventioners enjoyed their stay in Detroit. Having just about recovered from the Convention, we send thanks to the actives who showed up early and helped us in getting things rolling. Special thanks are sent to Beother Pope, for without his organizing talents, the Convention might have bogged down badly.

The "disorganizers" running the show for this semester are: Hugh McAulay, Regent; Robert Cafmeyer, Vice Regent;

Robert Lagodny, Scribe; John Hakala, Treasurer; and Christopher Betwee, Corresponding Secretary.

Our most recent pledge group was initiated on February 8, 1961, at the Engineering Society of Detroit. The new members are: Walter Bury, Robert Brokenshire, and Ronald Campo. Also, during February we lost two actives through graduation—Clement Bonmarito, who is going to graduate school, and Willard E. Johnston, who is working in the East.

Charles Biagi, Russell Holmes, Marvin Moldowan, James Padden, Ray Schooley, Edmond VanElslander, Arthur Wesa, and Mitchell Zdyb have high hopes of joining the Alumni this summer. To offset this loss to the active chapter, we are hoping for a pledge class of at least eight. Our

DECLARATION OF WAR

LET IT HEREBY BE KNOWN, THAT OPEN
HOSTILITY EXISTS BETWEEN

Theta Tau Fraternity

AND A CERTAIN PLAQUE STEALING SORORITY

two rush parties resulted in about twenty good eligible rushees. Pledging procedures began March 24.

The University has big plans for expansion and since our converted store happens to be in the way, we are house hunting. The Alumni Housing Corporation, led by Brother Lynch, was formed a couple of years ago and we actives are now pushing for a little action along the lines of a permanent house. Look out, National, Epsilon Beta may be asking for a loan of a few long greens.

Ron Campo is our new Social Chairman, and so far this semester, we have had a well-rounded social calendar—square dancing, basketball games, and "cook-your-own" pizza parties, to name a few. Theta Tau and the Wayne Engineer jointly sponsored an open meeting on "How To Become An Upper Classman," for the professional development of our members. The heads of two departments, Dr. Brammer of Electrical Engineering and Dr. Donnelly (our faculty adviser) of Chemical Engineering, and two other faculty members were the speakers.

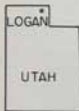
Again this semester, Theta Tau will be

represented in the I. F. C. Sing in May. The theme is Sea Songs and our meetings end with practice sessions.

A little extra fun came out of one of the Saturday night "make-your-own" pizza parties. Several of the members' dates were Alpha Gamma Deltas and these girls managed to "borrow" a plaque from the house. The move went unnoticed until the following Wednesday. That night we kidnapped their president from their rush party, brought her back to the house, phoned back and told them, as she had not been missed, and then waited. Very shortly, they called back and said the plaque was not available, but would we please return their president as she was rather important to the rush party. We fell for this line and returned her, only to find the next day that they had no intention of returning their prize. Our next move was to place an ad in the school paper, stating our position. As of now we are waiting for them to make the next move.

Yours in H and T,
Chris Betten
Corresponding Secretary

Zeta Beta Looking Forward to Its First Anniversary



During the past few weeks we have corresponded with the Chapters throughout the Fraternity. We sincerely appreciate the response we have received concerning the various pledging programs being carried out by the Chapters

of Theta Tau.

On December 3, 1960, our Chapter was increased to a total of sixteen. We welcome into the brotherhood of Theta Tau Noel H. Cooley, Nolan C. Schofield, Bruce R. Oman, Jimmie R. Hill, and Roger L. Funk. Our next initiation is scheduled for April 29, 1961.

Election of officers for the year were held on January 25. The new officers are: Robert W. Pace, Regent; Robert H. Seegmiller, Vice Regent; Noel H. Cooley, Scribe; David W. Harris, Treasurer; Robert W. Wright, Corresponding Secretary.

All Engineers on campus celebrated Engineering Week in February. Zeta Beta took an active part by participation in the



Regent Pace (left) Presents Six-Inch Slide Rule During Engineering Week.

displays shown in the Union Building by the various organizations. We also published the "Guide to Engineers' Week," which listed all the activities that were to take place during this week. As a fund raising project, we sold raffle tickets for twenty-five cents. The prize was a six-inch slide rule. The Engineering Council allotted us time on the assembly for the



Zeta Beta Chapter

Front row, l. to r.: Roger Funk, Keith Mortensen, Robert Pace, David Harris, Craig Mortensen, Noel Cooley, Fred Danlin, Dr. R. K. Watkins.

Back row, l. to r.: Bill Lovejoy, Jack Grimmert, David Matz, Robert Wright, Jim Hill, Nolan Schofield, Robert Seegmiller, Ralph Kangas.

drawing which was done by the Queen of the Engineers. This venture was highly successful from a monetary as well as a publicity standpoint.

The outstanding event of the year that we are looking forward to is our first anniversary. A formal dinner-dance is being planned.

We are proud of our members that take an active part in other campus organizations. These men are: Robert Pace, Vice

Chairman of IRE; David Harris, secretary of IRE; Craig Mortensen, IRE representative to the Engineering Council and Publicity Chairman of the Council; Keith Mortensen, AIEE representative to the Engineering Council; and Robert Wright, ASTME representative to the Council and Treasurer of the Council.

Yours in H and T,
Robert W. Wright
Corresponding Secretary



Pledges (l. to r.) Roger Jensen, Richard Manning, and David Bailey work on official Badge replica.

Letters from Alumni Associations

Central A. A. Active in Support of Sigma Chapter

The Central Alumni Association is actively participating in the drive to obtain funds to remodel the Sigma Chapter house and we wish to thank the brothers who have contributed to the fund.

The officers of the Association are: President Dale Bussman; Vice President, Emmet Knorr; and Secretary-Treasurer, Olaf Kivioja.

Monthly meetings are held during the school year. In addition to these business meetings, several joint meetings with our active chapter are held several times a year. Our last joint meeting was held in January. This was a dinner meeting and plant tour at the Industrial Nucleonics Corp., of which Brothers Bert and Roy Ghope are officers and founders.

The next meeting is planned for April 28th. This is a dinner meeting with the wives invited. Professor Herman Weed, of the Ohio State Electrical Engineering Department, will speak on his summer

tour of Russia. Since this meeting is held the same weekend as the Annual Conference for Engineers at Ohio State, we extend an invitation to all brothers who are in town for that conference.

During the A. C. E. Day, the University annually honors five outstanding engineering alumni. This year, three of the five are alumni of Sigma Chapter: Brothers Bert Ghope, Roy Ghope, and Bill Meiter.

The Wives' Club of Theta Tau has recently been reactivated and reorganized to include the mothers of the actives. The Club is actively participating in the current redecorating of the house and in the future remodeling plans. The Club has offered financial help when possible, and more important, they offer the Fraternity the women's angle in planning their social functions.

Yours in H and T,
Olaf Kivioja
Secretary-Treasurer

Intermountain A. A. Announcement

The officers of the Intermountain Alumni Association are: President, Walter G. Price; Vice President, George H. Allen; and Secretary-Treasurer, Edward J. Watts.

Regular luncheon meetings are held on the first Friday of each month at the Ambassador Athletic Club in Salt Lake City.

Any alumni or actives who may be in Salt Lake City on the luncheon meeting dates have a standing invitation to attend.

Yours in H and T,
Edward J. Watts
Secretary-Treasurer

Twin City A. A. Helps with Rushing

Since our last letter, the Twin City Alumni Association has set up a committee to assist the Active Chapter with their rushing program. The committee, comprised of Joe Wetzel, Bob Rose, and Jack Hensley, will review present and past rushing methods, methods used by other campus organizations, and will give study to more effective ways of increasing membership. Any helpful ideas or suggestions from other chapters would certainly be appreciated and they should be sent to Brother Joe Wetzel, 2724 O'Henry Road, Minneapolis, Minnesota.

Those on our executive committee are as follows: Glenn Schwartz, President; Earl Angell, Vice President; Gerald Ahmann, Secretary-Treasurer; and Bervos Bretor and Milton Wunderlich, Board of Directors.

The Association officers meet for lunch at the Chapter House on the first Wednesday of every month and Theta Tau alumni are most welcome to attend.

Yours in H and T,
Earl G. Angell
Vice President

Chapter Advisers

- ALPHA. DR. MILES KERSTEN, Civil Engineering Department, University of Minnesota, Minneapolis, Minnesota
- BETA. PROF. HERRERT HAWN, Michigan College of Mining & Technology, Houghton, Michigan
- GAMMA. DR. RUDY C. EPIS, Department of Geology, Colorado School of Mines, Golden, Colorado
- DELTA. MR. WALTER FAHEY, Electrical Engineering Department, Case Institute of Technology, Cleveland 6, Ohio
- EPSILON. PROF. JACK EVERNDEN, University of California, Berkeley, California
- ZETA. DR. J. O. MALONEY, Department of Chemical Engineering, and PROF. DONALD E. METZLER, Associate Dean, School of Engineering, University of Kansas, Lawrence, Kansas
- IOTA. PROF. RALPH E. SCHOWALTER, Mechanical Engineering Department, Missouri School of Mines and Metallurgy, Rolla, Missouri
- LAMBDA. PROF. PRESTON D. LINFORD, Civil Engineering Department, University of Utah, Salt Lake City, Utah
- MU. PROF. WILLIAM K. REY, P. O. Box 664, University, Alabama
- XI. DR. G. A. ROHLICH, 9 Hydraulics Lab., University of Wisconsin, Madison 6, Wisconsin
- OMICRON. PROF. DONALD H. MADSEN, Engineering Building, Iowa City, Iowa
- PI. PROF. PHILLIP H. RYAN, University of Virginia, Charlottesville, Virginia
- RHO. MR. ALEXANDER A. CARLYLE, Mechanical Specialist, Industrial Experiment Program, North Carolina State College, Raleigh, North Carolina
- SIGMA. PROF. EDMUND D. AYRES, Electrical Engineering Department, Ohio State University, Columbus, Ohio
- TAU. PROF. R. FORD PRAY, College of Engineering, Syracuse University, Syracuse 10, New York
- UPSILON. PROF. J. R. BISSETT, Civil Engineering Department, University of Arkansas, Fayetteville, Arkansas
- PHI. PROF. A. R. SPALDING, Freshman Engineering Department, and PROF. EDWARD C. THOMA, Civil Engineering Department, Purdue University, West Lafayette, Indiana
- CHI. PROF. PHILLIP B. NEWLIN, Civil Engineering Department, University of Arizona, Tucson, Arizona
- PSI. PROF. DOUGLAS H. HARNISH, JR., Petroleum Engineering Department, Montana School of Mines, Butte, Montana
- OMEGA. DR. R. L. SANDVIG, Chemical Engineering Department, South Dakota School of Mines, Rapid City, South Dakota
- GAMMA BETA. PROF. ROBERT M. MOORE, The George Washington University, Washington 6, D. C.
- DELTA BETA. PROF. MILES G. NORTHRUP, Electrical Engineering Department, University of Louisville, Louisville 8, Kentucky
- EPSILON BETA. DR. HAROLD G. DONNELLY, Chemical Engineering Department, Wayne State University, Detroit 1, Michigan
- ZETA BETA. DR. REYNOLD K. WATKINS, Mechanical Engineering Department, Utah State University, Logan, Utah

Alumni Notes

ALPHA

- Schaeurtz, Glenn W., '49, accepted a position as Staff Assistant to the Manager of Quality Assurance with the Remington Rand Univac St. Paul Operation in January of this year. Glenn had been with General Mills Inc. for eleven years and was Manager of Quality Control.
- Meyer, Robert E., '54, formerly with Toro Manufacturing Corporation, has accepted a position with Remington Rand Univac St. Paul Operation.
- Erdos, John L., '59, has accepted a new job with Avco Corporation, Research and Advanced Development Division, of Wilmington, Mass. He was formerly with Lockheed-Burbank. Also, John is pleased to announce the birth of a daughter, Therese Ann, on Sept. 5, 1960 (Labor Day!!!)—the first child for his wife, Nancy, and him.

EPSILON

- Allen, John Elliot, '32, Executive Officer for Earth Sciences at Portland State College and chairman of the Graduate Council, was recently elected president of the newly formed Sigma Xi Club at the College. He receives his mail at Science Division, Portland State College, 1620 S. W. Park Avenue, Portland, Oregon.

ZETA

- Mangelsdorf, Albert H., '12, is president of Edward E. Mangelsdorf & Bros. Inc. Seed Merchants. He may still be reached at Box 327, St. Louis 66, Mo.
- Coats, Charles M., '13, reports recently that he is self employed and may be reached at 3610 S. Boston St., Fort Smith, Arkansas.
- Boseman, Waldo, '23, famed engineer and editor of the *Engineering News-Record*, recently went to Formosa and on around the world to study dams and general construction work in far-away places.
- McGee, Dean A., '26, is president of the Kerr-McGee Oil Industries, Inc., and may be reached at his very own building, the Kerr-McGee Building in Oklahoma City, Oklahoma.
- Patterson, William L., '27, has the position of principal engineer with Black and Veatch, Consulting Engineers. His work takes him travelling extensively to cover the financial work in connection

with his position. He may be reached at 631 West 66 Street Terrace, Kansas City, Mo.

- Cash, George H., '28, holds the position of managing director for Cabot Carvon, Limited. In spite of his distant position across the sea he has been very helpful to the alumni files with the addresses he provides. He can be contacted at Upton Rise, Mill Lane, Upton by Chester, Cheshire, England.

Fiel, L. George, '28, is president of Zeta's House Corporation Board besides his regular job as chief of the engineering division for the Kansas City District of the Corps of Engineers. He lives at 4207 West 69th, Prairie Village 15, Kansas.

Coffman, Irving L., '32, the international consultant for the Phillips Petroleum Co., is living, when he is home from his travels, at 34 Cowperthwaite Place, Westerfield, New Jersey.

Dwyer, T. Paul, '34, is a partner in Dwyer and Kite Consulting. He is treasurer of Zeta's House Corporation Board, and busy working with the drive for a new house. He can be contacted at 5531 Roe Avenue, Mission, Kansas.

Lamm, Max F., '36, is in St. Louis as chief of the design branch of the St. Louis District of the U. S. Army Engineers. His address there is 4361 Steins Street.

Luff, Wayne E., '39, is district sales manager for Mallinckrodt Chemical Works. He may be reached at 15729 Coyle, Detroit, Michigan.

Christianson, L. F., '35, holds the position of President of Electronic Associated, Inc. His address is 639 Norwood Ave., Long Branch, N. J.

Hazard, Stuart G., '28, is a partner of Service, Van Doren, & Hazard, a consultant firm of Topeka. His address is listed as 1308 College Ave., Topeka, Kansas.

Koelzer, Victor A., '37, is with Harza Engineering as an assistant engineer in the head planning department. He gives his address as 608 South Louis, Mt. Prospect, Illinois.

Guthrie, Guy S., '38, is self-employed as a consulting engineer in Wichita. His address there is 1003 Vincent Lane, Wichita, Kansas.

May, Vernon A., '40, is with the Marley Co. as manager of the Southern California District. His latest address is

listed as 2043 Casa Grande Drive, West Covina, California.

McNish, George R., '51, is self-employed as a consulting engineer. His last address is listed as 1819 East 11th Street, Winfield, Kansas.

Rogers, Gene L., '54, is with the Naval Nuclear Power Branch of the Bureau of Ships as a Nuclear Engineer. His mail reaches him at 221 West Hunting Towers, Alexandria, Virginia.

Robt, Frank W., '57, has sent us a new address, P. O. Box 1020, Kimball, Nebraska. He is there working for what was previously the Magnolia Pipe Line Co. and is now affiliated with Mobil Oil.

Douig, John M., '58, is continuing graduate study at the University of Michigan on a National Science Foundation Scholarship. His address while in school is 725 Haven, Apt. 5, Ann Arbor, Michigan.

Hinderliter, Richard G., '58, is doing graduate work toward his master's degree with Bell Telephone Labs. Dick can be reached at 525 Main Street, Apt. 6B, Chatham, New Jersey.

Kirk, Glenn E., '58, is a meteorologist at Richards-Gebaur Air Force in Missouri. His home address is given as 12300 Garner Avenue, Grandview, Missouri.

Benois, William E., '59, is with Sperry Gyroscope in Salt Lake City. He may be reached at 2580 East 13rd Street South, Salt Lake City, Utah.

Gillespie, Charles R., '59, is completing his graduate work and projects at the University of Louisiana. His address has been changed to 150 Leaway Drive, Baton Rouge, Louisiana.

Dodd, George G., '60, is working on his master's degree at Illinois University. His address is now 11 Tulip Tree Drive, Champaign, Illinois.

IOTA

Powers, Robert J., '60, has completed the officer orientation course at The Engineer School, Fort Belvoir, Va. The course familiarized Lieutenant Powers with the duties and responsibilities of a newly-commissioned Engineer Corps officer.

MU

Harding, Donald L., '60, recently completed the officer orientation course at The Engineer School, Fort Belvoir, Va. Lieutenant Harding was employed as an

industrial engineer by Blue Bell, Inc., Greensboro, N. C., before entering the Army.

OMICRON

Marske, Herbert W., '60, completed the 101st Airborne Division's chemical biological and radiological (CBR) warfare course at Fort Campbell, Ky., February 24. Marske received four weeks of training in the offensive and defensive use of chemical agents and in the employment of proper recovery methods prescribed for CBR warfare. Brother Marske is regularly assigned as a draftsman in Headquarters Company of the division's 27th Engineer Battalion at Fort Campbell. He entered the Army last November and completed basic training at Fort Jackson, N. C.

PI

Shriner, V. A., Jr., '48, is now District Engineer for VEPCO at 526 Commercial Avenue, Clifton Forge, Virginia.

SIGMA

Hanes, C. Raymond, '24, has been elected Vice President of the National Society for Professional Engineers.

Harrold, Roger, '58, is now the new Director of the International House on the Ohio State University campus.

CHI

Fink, Howard L., '37, is with the U. S. Bureau of Reclamation and is chief of the Office Engineering Division, Glen Canyon Dam. His address is P. O. Box 1262, Page, Arizona.

Van Pelt, Roy, '61, is now working at General Electric in Phoenix. His address is 10623 North 18th Drive, Apt. 2, Phoenix 21, Arizona.

OMEGA

Riemenschneider, Louis, '58, is back at the School of Mines and Technology this year doing graduate work in Electrical Engineering. He has a teaching assistantship and has several of the active brothers in his class.

Buell, Bernie, '56, recently moved to Rapid City, S. D., with his family. He is employed as an engineer at a Titan missile sight near Rapid City.

The Most Distinguished Mark In Fraternity Jewelry

YOUR GUARANTEE OF . . .

- COMPLETE SECURITY
- UNMATCHED QUALITY
- PERFECT SATISFACTION

OFFICIAL JEWELER TO
THETA TAU



L. G. Balfour Company
ATTLEBORO, MASSACHUSETTS

IN CANADA L. G. BALFOUR COMPANY, LTD. MONTREAL AND TORONTO