

# THE GEAR of THETA TAU

Fall, 1959

Volume XLIX

Number 1



*The* **GEAR** *of*  
**THETA TAU**



**Fall, 1959**

VOLUME XLIX

NUMBER 1

# Theta Tau Fraternity

*Founded at the University of Minnesota October 15, 1904*

## FOUNDERS

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WILLIAM M. LEWIS

ISAAC B. HANKS  
ELWIN L. VINAL

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## REGIONAL REPRESENTATIVES

- William E. Franklin, 1507 Lynwood Drive, Lindsay, Oklahoma  
Chester J. Selden, 24831 Crowley Ave., Taylor, Michigan

## THE GEAR OF THETA TAU

- P. L. MERCER, Omicron '21 and J. W. HOWE, Omicron '24 . . . *Editors*  
Engineering Building, Iowa City, Iowa

Letters for members of the Council should be addressed to  
the individual by name.

## SECRETARIES OF ALUMNI ASSOCIATIONS AND CLUBS

- Central Ohio*—Dale Bussman, 140 E. Tulane Rd., Columbus, Ohio  
*Cleveland*—James R. McKinney, 715 Union Bldg., Cleveland 15, Ohio  
*Detroit*—Jerry Schley, 6150 Charlesworth, Dearborn, Mich.  
*Intermountain*—E. J. Watts, 118 Social Hall, Salt Lake City, Utah  
*National Capital*—George Tittrington, 4111 Rosemary St., Chevy Chase 15, Md.  
*Southwestern*—Robert L. Houston, University of Arizona, Tucson, Ariz.  
*Twin City*—Glen W. Schwartz, 3020 Rankin Rd., Minneapolis 18, Minn.



# *The* GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

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P. L. MERCER, *Omicron* '21 and J. W. HOWE, *Omicron* '24  
*Editors*

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## *Chapters*

ALPHA, *Founded October 15, 1904* - - - - University of Minnesota  
(Chapter house) 515 Tenth Ave., S.E., Minneapolis 14, Minn.

BETA, *Established March 26, 1906* - Michigan College of Min. and Tech.  
(Chapter house) 1405 College Ave., Houghton, Michigan

GAMMA, *Established November 8, 1907* - - Colorado School of Mines  
Box 134, Colorado School of Mines, Golden, Colorado

DELTA, *Established May 23, 1911* - - - Case Institute of Technology  
Theta Tau Box, Case Institute of Technology, Cleveland 6, Ohio

EPSILON, *Established May 4, 1911* - - - - University of California  
Theta Tau Box, Hearst Mining Bldg., Univ. of Calif., Berkeley, Calif.

ZETA, *Established April 17, 1912* - - - - - University of Kansas  
(Chapter house) 1602 Louisiana Street, Lawrence, Kansas

IOTA, *Established February 5, 1916* - - - - Missouri School of Mines  
c/o Prof. Ralph E. Schowalter, Mechanical Engineering Department,  
Missouri School of Mines, Rolla, Mo.

LAMBDA, *Established April 29, 1920* - - - - - University of Utah  
University of Utah Union Building, Salt Lake City, Utah

MU, *Established January 3, 1922* - - - - - University of Alabama  
P. O. Box 3156, University, Alabama

XI, *Established January 13, 1923* - - - - - University of Wisconsin  
c/o Dr. G. A. Rohlich, 9 Hydraulics Lab., Univ. of Wis., Madison 6, Wis.

OMICRON, *Established February 3, 1923* - - State University of Iowa  
Theta Tau Box, Engineering Building, Iowa City, Iowa

PI, *Established May 26, 1923* - - - - - University of Virginia  
Thornton Hall, University of Virginia, Charlottesville, Va.

## Chapters (Continued)

- RHO, *Established February 16, 1924* - N. C. State Coll. of Ag. and Eng.  
P. O. Box 5282, State College Station, Raleigh, North Carolina
- SIGMA, *Established November 29, 1924* - - - Ohio State University  
(Chapter house) 1946 Indianola Avenue, Columbus 1, Ohio
- TAU, *Established December 12, 1925* - - - - - Syracuse University  
Box 149, University Station, Syracuse 10, N. Y.
- UPSILON, *Established April 7, 1928* - - - - University of Arkansas  
301 North University, Fayetteville, Arkansas
- PHI, *Established April 21, 1928* - - - - - Purdue University  
(Chapter house) 416 North Chauncey, West Lafayette, Indiana
- 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  
P. O. Box 335, Butte, Montana
- OMEGA, *Established March 26, 1932* - - - S. Dakota School of Mines  
(Chapter house) 107 Kansas City St., Rapid City, S. Dak.
- GAMMA BETA, *Established March 16, 1935* - G. Washington University  
Davis-Hodgkins House, George Washington Univ., Washington 6, D. C.
- DELTA BETA, *Established May 20, 1939* - - - University of Louisville  
(Chapter house) 2022 S. First St., Louisville 8, Ky.
- EPSILON BETA, *Established May 19, 1951* - - Wayne State University  
(Chapter house) 1107 West Warren, Detroit 1, Michigan

## MEMBERS OF THE PROFESSIONAL INTERFRATERNITY CONFERENCE



AGRICULTURE, Alpha Zeta. 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 Delta 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, Alpha Zeta Omega, Kappa Psi, Rho Pi Phi, Phi Delta Chi.

## Regional Conference Arrangements Announced

By CHARLES E. WALES,  
Grand Outer Guard

Plans for the 1960 Regional Conferences are getting under way. This year's hosts are: Region I, Rho, with guests Gamma Beta, Pi, and Tau; Region II, Zeta, with guests Alpha, Beta, Iota, Omicron, Upsilon, and XI; Region III, Delta Beta, with guests Epsilon Beta, Delta, Mu, Sigma, and Phi; and Region IV, Omega, with guests Chi, Epsilon, Gamma, Lambda, and Psi.

Regional meetings are usually held in the spring of the year and provide valuable experience as a warm-up for the following National meeting. Many of the issues decided at the National Convention originate or are thrashed out at regional meetings.

Each region, with the Host Chapter acting as coordinator, selects the optimum time for their meeting. Each chapter is required to send one delegate and it is expected that most will send a carload of actives (expenses were set by the last convention). One member of the Executive Council will attend each conference.

The Host Chapter makes arrangements for meeting rooms, meeting equipment, meeting minutes, banquets, and sleeping accommodations. In the past, the Host Chapter has arranged for the principal student speaker on each discussion topic. It has been suggested that each chapter be assigned one or more topics to prepare and that prizes be awarded for the most outstanding presentation.

A letter to your Host Chapter



with a copy to Charles Wales, Chairman of the Regional Conferences, suggesting alternate conference dates and naming the active member responsible for conference plans would greatly facilitate each region's arrangements. Since 1962 Hosts will be selected at each Regional Conference, the chapters should carefully consider making their bids. (Advance payment of expense money for the 1960 conferences can be made as soon as conference plans are fixed.)

Following is a suggested program outline for the Regional Conferences. Changes may be made in the various regions to best suit problems and conditions now existing there. No attempt is made to actually set up an exact program giving time for each portion, but the host chapter

should prepare and distribute, in advance, a complete program giving time for both presentation and discussion. In addition to the suggested program, time should be set aside for the invocation and welcome, luncheon, and a banquet including time for presentations by advisers, alumni, and Executive Council members present.

- A. Pledging Procedures
  - 1. Basis of selection
  - 2. Pledge program
  - 3. Duties and responsibilities of pledges
  - 4. Duties and responsibilities of members toward pledges
- B. Chapter Operation
  - 1. Discussion of "Chapter Adviser's and Chapter Officers' Manual"
- C. Initiation Problems
  - 1. Complete discussion of the initiation of Theta Tau
  - 2. An official initiation by the host chapter of one pledge or more some time during the Conference, if at all possible.
- D. Housing Problems
  - 1. House chapters
    - a. House meal problems
    - b. House lodging problems
    - c. Maintenance problems
  - 2. Non-house Chapters
    - a. Obtaining a permanent meeting place owned by the chapter
  - 3. Joint meeting of groups under 1 and 2.
    - a. Obtaining and financing a house.
- E. Professional Development
  - 1. Professional programs at chapter meetings
  - 2. Encouragement of high school students to enter engineering
  - 3. Participation with various professional societies.
- F. Schrader Award Activities
- G. Alumni Groups
  - 1. Closer working relations with alumni of Theta Tau
  - 2. Working with alumni toward expansion of Theta Tau
- H. Membership Requirements
  - 1. What are the real problems involved?
  - 2. How and what changes can be made?
  - 3. How do the various changes proposed affect each chapter?
  - 4. What is the mutually satisfactory compromise?
- I. Executive Council Members Session with Delegates
  - 1. Observations of attending Executive Council members
- J. Selection of Host for the 1962 Regional Conferences

## Message from the Grand Regent:



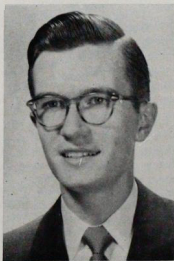
Grand Regent Britzius

I am pleased to be able to announce that Robert Pope, our Scribe, has accepted our offer to serve us as Traveling Secretary for Extension. His new duties will be in addition to those he will retain as Grand Scribe. The employment period extends from October 15, 1959, for 18 months. Our next convention will decide on the advisability of continuing the position beyond the 18-month period.

We have every reason to believe that this action will mean a stride forward for our Fraternity. Our recent constitution change regarding membership has made our entry to many campuses possible where previously it had been impossible. There are many students at leading engineering schools that can benefit by membership in our Fraternity. Let us all help to accomplish this objective.

There are a number of ways we can help make this program of expansion a success. Members of our active chapters can inform our Extension Secretary and his committee about nearby college prospects, especially those where one of our alumni is on the faculty or where an active has transferred for undergraduate or graduate study. Our alumni on the staffs of colleges can advise us on conditions on their campuses and offer to meet with and advise a group of students who after one year will be eligible to petition for a chapter. Only the help of the alumni will insure the success of this program. Brother Pope will be available to help organize local groups and meet with them also.

The services of Brother Pope will be used to provide for a better con-



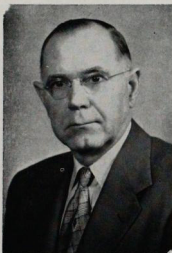
Bob Pope will travel

tact between the various Chapters and the Executive Council. A number of inspections are made at the convenience of the Executive Council, but I would like to offer our ser-

vices for participation in your special activities such as Founders' Day observances, special meetings, and initiations.

### In Memoriam of Jamison Vawter

By GEORGE DODD and  
ROBERT POPE



Jamison Vawter, Zeta '16, Past Grand Regent of Theta Tau Fraternity, passed away in Urbana, Illinois, on May 23, 1959. Brother Vawter's years of service to the Fraternity commenced with his initiation into Zeta Chapter in 1916. At his first attendance at the National Convention in 1921, Brother Vawter was elected Grand Outer Guard, and in 1923 was elected to the office of Grand Treasurer. Subsequently he was re-elected many times and served with distinction in this position for twenty-seven years.

In 1952, he was elected by unan-

imous vote of the Convention to lead our Fraternity as Grand Regent for the biennium concluding Theta Tau's first half century. During his term of office as Grand Regent, he made an extensive tour of the United States, visiting thirteen chapters of Theta Tau. In all, he visited twenty of our Chapters during his years as a national officer.

After completing his term as Grand Regent, he continued to aid Theta Tau with his help and counsel, especially as financial adviser and Convention parliamentarian. The Regional Representative program of Theta Tau was originated in response to his suggestion. He attended every National Convention since his election as Grand Outer Guard in 1921 except for the most recent one which he was forced to miss.

Brother Vawter was born in Arkansas City, Kansas, April 21, 1889, and graduated from Arkansas City High School in 1908. He worked for the Gulf Colorado and Santa Fe Railroad from 1912 to 1917 while carrying on another project of completing his requirements for a degree at Kansas University in 1916. While in the Army from May, 1917, to August, 1919, he attained the rank of captain. He served as a reserve officer for ten years after the war.

Brother Vawter then returned to the railroad for one year as assistant engineer, then spent 1920 to 1922 as assistant professor of Mechanics at the University of Kansas. In 1922 he made a one way trip to the University of Illinois. Since that time he taught Civil Engineering, becoming a full professor in 1937. He is co-author of two books written at that institution.

When he became Professor Emeritus, he was honored by his University of Illinois colleagues April 11, 1957, at a dinner in commemoration of his retirement from the engineering faculty. Dean William L. Everitt, College of Engineering, said at the dinner that Professor Vawter's work in programming and the development of the curriculum resulted in developing in the right direction and the developing of the strength in their college.

Besides his active teaching career and time given to Theta Tau, Brother Vawter was active in the Professional Interfraternity Conference. He served as their vice president, as a member of the Executive Committee, and held a two-year

term as president during the early years of the organization.

Professionally, our past Grand Regent was a member of Sigma Xi, Tau Beta Pi, Chi Epsilon, Tau Nu Tau, and Scabbard and Blade. He also maintained membership in the American Society of Civil Engineers, American Railway Engineering Association, and International Association for Bridge and Structural Engineering.

His civic life in Urbana was mostly in the field of politics, having been a member of the Urbana City Council for a great many years, in charge of the street department, and a member of the Board of Local Improvements.

Not only did Brother Vawter serve our national Fraternity with distinction but was always an interested and loyal alumnus of Zeta Chapter, visiting it whenever he could.

Theta Tau, his professional field, and the world are the poorer for Brother Vawter's passing; but they are the richer because he lived. And the memory of this great Theta Tau will live forever.

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## "Tau Bates" Urged to Enter Teaching Profession

"Events of the next 20 years will give the nation's engineering teachers unprecedented importance and status," Dr. Harold L. Hazen, dean of the Graduate School at the Massachusetts Institute of Technology and chairman of a special committee of the American Society for Engineering Education, told delegates to the 1959 annual convention of Tau Beta Pi at Purdue University.

At least 1,000 new engineering teachers will be needed each year through 1967, Dean Hazen reported to the students. Only the most able and creative of America's engineering students can fill the demands of engineering teaching. "In this hall today," Dean Hazen said, "is the group that at the present moment has the greatest opportunity to exercise leadership in teaching tomorrow's engineers."



Professor Harold L. Foecke, Director of the ASEE Committee on the Development of Engineering Faculties of which Dean Hazen is chairman, pointed out that a 1957 survey found that about 13% of the nation's engineering teaching jobs were then filled unsatisfactorily or not at all. Growing engineering enrollments will require a 60% increase in the number of engineering teachers by the end of the next decade. To meet these needs, engineers must enter the teaching profession "at a wholly unprecedented rate," Professor Foecke said.

The growing need results from population increases, the greater emphasis on higher education in all fields, and the "almost explosive rate of growth of applied science and engineering in the cultural and economic pattern of this country," Dean Hazen declared.

Would-be teachers in the audience at Purdue were advised to continue their education into graduate work. "Experience indicates that if you enter full-time employment, when you graduate," Dean Hazen said, "the chances that you will ever enter teaching are small."

"On the other hand, if you choose graduate study you are add-

ing to your assets in a very substantial way, independent of whether you eventually enter industry or education."

"During the past six years, the national production of engineering doctorates has been steady, at about 600 per year. Of these, 200 to 300 go into teaching. Our need for engineering teachers is roughly four times the number of doctorates now in prospect. We must have many more, and more of them must go into teaching as a career."

Graduate students, Professor Foecke pointed out, can readily get teaching experience while completing advanced work and so be ready to make an intelligent decision for or against teaching, when the time comes.

"For the great teacher, there is no stimulation so invigorating as that derived from daily contact with young and inquiring minds, no experience to rival that of being midwife at the birth of an idea in the mind of the student, no satisfaction so keen as watching former students grow to professional prominence, no reward to equal the gratitude of former students who enter successful careers," Professor Foecke declared.

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## J. G. Jolly Heads Granco St. Louis Sales Office

John G. Jolly, Iota '54, has been promoted to District Manager of the St. Louis, Missouri, sales office of the Granco Steel Products Company. Brother Jolly joined Granco as a sales engineer in 1956, and was assigned to the St. Louis district office in Clayton, Mo. He is a member of the Engineers' Club of St.

Louis and the St. Louis chapter of the Producers Council.

After graduation in Civil Engineering he became representative in St. Louis for the Aluminum Company of America. Brother Jolly is a member of Chi Epsilon as well as Theta Tau.



## BUSINESS AS USUAL

The work of Theta Tau never ends! In the period between Biennial Conventions, business is carried on by various committees appointed by the Grand Regent. These busy people continue to study the problems of the Fraternity in preparation for the next convention. The current committees are:

Alumni Associations Committee .....	C. Ramond Hanes, Chairman Frank L. Edwards Jay N. Thorpe Nick Trbovich
Archivist .....	Milton S. Wunderlich
Chapter Finances and Chapter House Financing Advisers .....	Paul L. Mercer, Chairman Joseph W. Skovholt
Constitution Revision (ad hoc) .....	Robert E. Pope
Convention Site (1960) & Arrangements .....	A. Dexter Hincley
Extension Committee .....	Robert E. Pope, Chairman Norman B. Ames Ralph L. Baker John M. Daniels Russell G. Glass C. Ramond Hanes Richard J. Russell Jay N. Thorpe
Finance Committee .....	Paul L. Mercer, Chairman Herman H. Hopkins J. W. Howe
GEAR Editors .....	J. W. Howe Paul L. Mercer
Assistant Editor .....	William E. Franklin
Professional Interfraternity Conference Delegates .....	Charles W. Britzius A. Dexter Hincley Robert E. Pope
Regional Conference Committee .....	Charles E. Wales, Chairman Harold G. Donnelly Chester J. Selden
Regional Representatives .....	William E. Franklin Chester J. Selden
Ritual Revision (ad hoc) .....	Paul L. Mercer
Schrader Award Committee .....	William K. Rey, Chairman John M. Dealy
"Theta Tau on Your Campus," Manuals Revision (ad hoc) .....	William E. Franklin

## Theta Tau Sweetheart Reigns at S.D. Mines

Mrs. George Dewey was chosen to reign over the festivities of the recent annual spring formal sponsored by the South Dakota School of Mines and Technology's Omega Chapter of Theta Tau. A gift and a bouquet of roses were presented to the new fraternity sweetheart. Mr. and Mrs. Dewey are both from Rapid City, and Mr. Dewey is a junior mathematics major at South Dakota.



## Duties Take Alpha Alum to Africa



Most of us dream of taking an adventure holiday to some unexplored country, but few of us will

get an opportunity such as that presented last year to Theta Tau alumnus, Milton Wunderlich, Alpha '09. Brother Wunderlich realized this dream when he was asked to assume consulting duties with a structural wall board manufacturer in the Union of South Africa.

Brother Wunderlich retired from his regular position as Research Director for Minnesota and Ontario Paper Company in 1958 after being with the company for 24 years. Since his retirement Brother Wunderlich has done anything but retire. He has served as section chairman of ASME and in the National Society of Heating and Air Conditioning Engineers, and is a member of Kiwanis Club. Brother Wunderlich has been of great assistance to the Twin City Alumni Association serving as a senior adviser to the

executive board of the Theta Tau Association of Minnesota.

After accepting the consulting job, he and his wife flew from Minneapolis to Johannesburg, where the company has its main offices. His business took them to Durban on the Indian Ocean and 120 miles inland to Estcourt, where the company has its main plant.

Following their stay in Estcourt the Wunderlich's did some sightseeing and returned to Minneapolis in September. They are now making plans for a trip to another section of the globe and hope that someday in the future they will be able to revisit the Union of South Africa.

*The Garnet, Alpha Chapter*

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### David Minton with National Academy of Sciences

David C. Minton, Jr., Chi '30, vice president of Battelle Memorial Institute, has been appointed to a key advisory post with the National Academy of Sciences—National Research Council. He began, in August, a four-year term as a member of the Materials Advisory Board of that organization's Division of Engineering and Industrial Research.

The Board provides advisory services in the field of engineering materials to the Department of Defense, both in relation to the entire defense research program and to other government materials research programs. It is composed of 24 leaders chosen from industry, research organizations, universities, and government agencies.

At Battelle, Brother Minton has executive responsibility for planning, organizing, and funding a diverse research program involving some 500 industrial and government sponsors each year. His experience includes teaching assignments in mining and metallurgy at the University of Arizona and the University of the Philippines, work with the U. S. Geological Survey, and an association with several mining and



metals firms. During World War II, Brother Minton spent three years in Washington administering portions of the country's wartime metallurgical research for the War Metallurgy Committee of the National Academy of Sciences—National Research Council and the National Defense Research Committee of the Office of Scientific Research and Development.

## William B. Speir to Head Industrial Engineers



William B. Speir, Mu '49, has

been elected President of the Birmingham Chapter of the American Institute of Industrial Engineers. Brother Speir is head of the Industrial Planning Department of the Rust Engineering Company with offices in Birmingham, Alabama. This job takes him to all parts of the United States, and he recently returned from an assignment in India.

Brother Speir graduated from the University of Alabama in 1949. He is married and is living at 2603A Park Lane Court, North, in Birmingham. Brother Speir is also a member of the American Society of Mechanical Engineers.

## Brother Don Olson Shares \$10,000 Prize

What thoughts are first in the mind of a bridge designer? The elegance and strength, with lightness, of steel must be told. The deck must not only sit there, it must work. A boxed-in feeling from piers near the roadway is undesirable; if practical, avoid center support. Keep construction simple and fast, avoid excess fill.

These were the thoughts in the minds of Brother Donald H. Olson, Alpha '54, and Jorgen Tvilstegaard when they designed the bridge which brought them First Honorable Mention, Professional, (and \$10,000!) in the Steel Highway Bridge Design Competition held by the American Bridge Division of United States Steel.

The designers of this award winning bridge also call attention to the following points. The deck of



the bridge is placed in, rather than on, the girders, to increase their interaction, allow the reinforcing to be welded to the top flange for



shear connectors, and reduce overall height. The deck acts as a two-way slab with edges stiffened by the curb beam. The high strength steel is used in the center of the frames to avoid abrupt changes in section that cover plates would dictate and to keep the moment of inertia low. The far-end supports are jacked slightly to produce initial compression in the deck. This should be done after the deck has cured (and before final grouting).

Brother Olson was born in Two Harbors, Minnesota, and received his B.S. and M.S.C.E. with a struc-

tural major from the University of Minnesota. His professional employment includes service with the U.S. Geological Survey, field engineering on taconite iron ore facilities, teaching of structures and research in hydraulics at the University of Minnesota, building design, and service as Assistant Civil Engineer in the Army Chemical Corps. Brother Olson is a Registered Civil and Structural Engineer, Minnesota, and is a member of the ASCE, American Concrete Institute, and the Minnesota and National Societies of Professional Engineers.

### C. L. Brown Moves Up in AT&T

C. L. Brown, Jr., Pi '43, has been appointed assistant to the general manager of the American Telephone and Telegraph Company's long lines with headquarters at Cincinnati, Ohio. He was formerly district plant superintendent at Birmingham, Alabama; commercial manager at Atlanta; and more recently division plant superintendent in AT&T's long lines department at Wayne, Penn.

*Virginia Alumni News*



## Stanley Learned Honored by Alma Mater

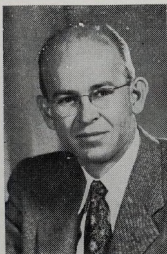
Stanley Learned, Zeta '24, was chosen this year to receive a Citation for Distinguished Service from the University of Kansas. Brother Learned, who received both his BS and graduate degrees from Kansas, is chairman of the Executive Committee of Phillips Petroleum Company in Bartlesville, Oklahoma.

Brother Learned also has been elected to the board of directors of the National Safety Council at its election of officers held in Chicago in October.

*K.U. Alumni Magazine*



## Reinhardt Schuhmann, Jr., Heads New School at Purdue



Reinhardt Schuhmann, Jr., Iota '33, became head of Purdue Uni-

versity's new School of Metallurgical Engineering on July 1, after the University's board of trustees approved a plan to divide the School of Chemical and Metallurgical Engineering into two separate schools. Purdue has offered courses of study leading to the B.S., M.S., and Ph.D. degrees in metallurgical engineering since 1942, so that this division represents a further step in the development of the University's metallurgical program.

After graduating from the Missouri School of Mines and receiving an M.S. from Montana School of Mines, Dr. Schuhmann received the Sc.D. degree from M.I.T. in 1938. He remained at M.I.T. as a staff member, first for several years as a teacher and researcher in mineral

dressings and then later specializing in chemical and process metallurgy, especially in application of physical chemistry and thermodynamics to metallurgical systems.

Brother Schuhmann is the author of a textbook, "Metallurgical Engineering," and of various technical papers. During the war years he was associate director of a Manhattan District (later AEC) project at M.I.T. which developed processes now used to produce uranium from Africa ores. In 1954 he went to Purdue as professor of metallurgical engineering and chairman of the metallurgical engineering division.

Active both in the American Society for Metals and in the Ameri-

can Institute of Mining, Metallurgical, and Petroleum Engineers, he is currently chairman-elect of the Purdue chapter of ASM and chairman-elect of the extractive metallurgy division of the Metallurgical Society of AIME. In February, 1959, he and William A. Krivsky were awarded the Gold Medal of the extractive metallurgy division of the Metallurgical Society for their paper on "Thermodynamics of the Copper-Iron-Sulfur System at Smelting Temperatures." Dr. Schuhmann is also a member of the education and accreditation committee of the Engineers Council for Professional Development.

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### Edward Coe Receives Life Membership in A.S.C.E.

Edward Harold Coe, Alpha '19, has been honored with a life membership in the American Society of Civil Engineers. Brother Coe is head of civil engineering at the Chi-

cago division of the University of Illinois. After working for the Mesabi Iron Company, he entered the regular army in 1921 and retired in 1954 as Colonel.

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### SIMPLE INSTRUCTIONS— ASK ANY HOUSEWIFE

There are still a lot of man hours wasted by long, out-worn phrases in business letters. Most of us are acquainted with some of the highfalutin', stuffed-shirt detail that modern letter writers joke about.

What would some such a long-winded letter writer think of his wife if she left the following note to the milkman?

"According to our agreement your company is to furnish services periodically on alternate days of the

week in amounts to be specified by the purchaser on the card form furnished by you and placed in convenient accessibility. Due to circumstances beyond our control, we herewith ask you to interrupt your services to us for one period only, effective Wednesday, November 18, 1959. Please note that services are to be resumed as of the second day following, namely, Friday, November 20, 1959, in the same amount and manner as heretofore."

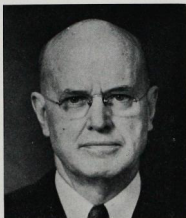
Nuts!

Any wife you know would say, "Please skip Wednesday."



## Robert Wheeler and Cyril Jensen Receive Honorary Degrees

Walter H. Wheeler, Alpha '06, and Cyril D. Jensen, Alpha '21, have received honorary Summa Cum Laude from the University of Minnesota for their work in devising and testing a new type of concrete floor slab. The experiment recently completed in Philadelphia proved that by using steel grillage caps embedded in concrete flat slab, 35 to 40 percent of the slab reinforcement could be omitted. For 50 years, Brother Wheeler has been engaged as an engineer, contractor and consulting engineer. He is the inventor of "smooth ceilings" system flat slab construction which is now used in buildings throughout the world. Among his many engineering accomplishments is the Fort Snelling Mendota Bridge, Hennepin County, Minn., the largest multiple rib arch reinforced concrete bridge in the world. He was graduated from the University in 1906 and received the University's Outstanding Achievement Award in 1952. Jensen, a professor of civil engineering at Lehigh University, Bethlehem,



Walter Wheeler

Penn., has been active in structural research since 1927. He has directed research on bomb damage analysis, bomb shelters, and investigations of causes of faulting in concrete pavements. He received a BS degree in chemical engineering from the University of Minnesota in 1921.

*Gopher Grad*

## Erwin Gammeter on Coal Mining Project in Korea

Erwin Gammeter, Iowa '26, is Vice President of the Paul Weir Company, Inc., Chicago, Illinois. This is a firm of mining engineers and geologists specializing in design and construction.

Brother Gammeter's company, along with four other companies, have entered a joint venture to furnish engineering services. Mr. Gammeter, as the representative in coal mining, has spent three years in Turkey and one in Brazil. This

venture has now taken the Gammeters to Seoul, Korea, for a one- or two-year stay.

The coal in Korea is a poor grade of anthracite and there is no bituminous coal. Most of the mines are very small and primitive methods are used in mining. The coal beds are steeply pitched and, as the formations are intensely folded, the mining conditions are poor. Brother Gammeter and his company hope to improve this situation.



## In Memoriam

*Thomas C. Shedd*, Kappa '13, professor of structural engineering, emeritus, at the University of Illinois and one of the designers of the trylon and perisphere for the 1937 New York World's Fair, died June 25, 1959, at the age of 69. Brother Shedd, who was on the University of Illinois faculty from 1922 until his retirement in June of 1958, was considered one of the top men in structural engineering in the U. S.

Prof. Shedd was born July 2, 1890, in Worcester, Mass. He attended schools in Rhode Island, North Carolina and Virginia. In 1913 he received his bachelor's degree from Brown University, Providence, R. I. He received his master's and professional degrees from the University of Illinois.

Prof. Shedd returned to Urbana to teach in 1922 as associate in structural engineering. In 1935 he was appointed professor of structural engineering. He was the author of one structural engineering textbook and the co-author of another with the late Prof. Jamison Vawter, Zeta '16.

Prof. Shedd had been active in the Society of Professional Engineers; the American Society of Civil Engineers, Central Illinois Section, and the Illinois Engineering Council. He was also a member of the

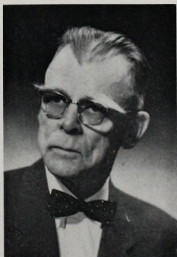
American Society for Engineering Education, the American Concrete Institute, the American Railway Engineering Association, Tau Beta Pi, Sigma Xi, Phi Kappa Phi, and Chi Epsilon as well as Theta Tau.

*James Sherwood Miller*, Theta '14, died January 16, 1959. He was born in Hoosick Falls, New York, on August 22, 1892. He graduated as a mining engineer at Columbia University in 1914 and received his E.M. degree there. After graduation he became assistant engineer to R. V. Norris, Theta '17, in Wilkes Barre, Penn., then assistant superintendent of Lehigh Coal and Navigation Co. in Lansford, Penn. From 1925 to 1928 he was superintendent of the Alliance Coal Mining Co. and district superintendent of the Alliance District until 1936 when he was made District Manager of the Coaldale District. At the time of his death he was Director of Research for the Lehigh Coal and Navigation Company in Lansford. He was a charter member of Theta Chapter.

*Robert Warren Tardy*, Upsilon '40, died August 29, 1959, at Helena, Arkansas, at the age of 39.

*Ralph Bernard Utt*, Psi '34, died of a heart attack at his home in Belvidere, California, on July 19, 1959. He was born on November 12, 1907, in Mansfield, Washington. He attended the University of Idaho and then transferred to the Montana School of Mines to study metallurgy, and was initiated by Psi Chapter in 1934. He returned to Idaho when he was offered the position of instructor and graduated from Idaho in 1935. After graduation he joined the staff of the Glazier Silver Lead Mining Co. and then worked for the Gem Mining Co. in Idaho. In 1957 he was one of the American delegates to the International Mineral Dressing Congress in Stockholm, Sweden. He was secretary of the minerals section of the Commonwealth Club in San Francisco, Calif. He joined the staff of the Western Machinery Co. in San Francisco, and was Vice President of that company at the time of his death.

*Otto Samuel Zelnor*, Hon. Alpha, died at his winter home in Central Valley, California, on March 16, 1959, at the age of 81. He was born on a farm in Kent



Thomas C. Shedd

County, Michigan. After completing his high school work he entered the University of Michigan, and graduated as a civil engineer in 1905. He joined the engineering faculty at the University of Minnesota in 1910 and taught surveying. He also served as chairman of the University's athletic eligibility committee, organized the Andrew Quartet, and was a member of the Appolo Club in Minneapolis. He

spent five years sailing on the Great Lakes as a member of the United States Lakes' Survey. At the time of his death he was associate professor emeritus of Civil Engineering at the University of Minnesota. He was also a member of Chi Epsilon, honor society for civil engineers. Survivors include his wife and two daughters. His home was at 2265 Carter Ave., St. Paul, Minnesota.

## *Additions to Membership*

### ALPHA

- 672 Francis Edwin Hublov
- 673 Donald Gordon Loy\*
- 674 Kenneth Winfred Swanson
- 675 James Allen Lovstrand
- 676 Richard William Kreutter
- 677 Richard Carl Rudberg
- 678 David Gerald Barry
- 679 Thomas Francis Irvine, Jr.
- 680 Jon LaFolet Schasker
- 681 Robert Glenn Edelman
- 682 Donald Bruce Clark
- 683 Philip Wayne Schasker
- 684 Douglas Richard Hoelscher
- 685 Gerald Marvin Brostrom
- 686 James Thomas Mooney
- 687 Rodger Edmund Ziemer
- 688 Laurel Eldo Tangren
- 689 James Roger Heron
- 690 Howard Cyrus Midje
- 691 Gerald Warren Brothers
- 692 David Leigh Fredrickson
- 693 David Alan Berg
- 694 James Robert Datta

### BETA

- 847 Rodney Steven Kopish
- 848 John Edward Thorn
- 849 Russell Earl Fenner
- 850 Scott Stanford Collins, Jr.
- 851 John Vertin Adams
- 852 George Albert Mitchell
- 853 Bruce Reisser Bartter
- 854 David Brandt Rainsberger
- 855 David Abbott Byfield
- 856 Lawrence Merrill Dahlin, Jr.
- 857 Thomas Roger Wight
- 858 Tom Delegeorge
- 859 Paul Victor Brechtelsbaver
- 860 James Lawrence Love
- 861 Thomas Daniel Clark
- 862 Bruce Charles Peters
- 863 Kenneth Charles Kessler

### GAMMA

- 895 Curtis Austin Crook

\* Listed as 672 in last issue

- 896 Paul Jacob Herbert
- 897 Michael Edwin McCutchan
- 898 Calvin Eugene Woods
- 899 Edward Gerald Rapp
- 900 Andrew John Dickson
- 901 John Joseph Selters
- 902 John Robert Smith
- 903 Artemas Lawrance Holmies, Jr.
- 904 Richard Bell Egen
- 905 Keith Evans Anderson
- 906 Edwin Heward Crabtree, Jr.
- 907 William Albert Anderson
- 908 Gerald Lee Askevold
- 909 Lawrence Eluerne Clay
- 910 Robert Bruce Hoffman
- 911 Kenneth Dean Ibsen
- 912 Gerald Stanton Keen
- 913 James Monroe Rushing
- 914 Carl William Samuel
- 915 Michael Richey Sargent
- 916 John B. Smith, Jr.
- 917 Vincent Paul Tesone

### EPSILON

- 830 Gregory Arlen Davis
- 831 Michael Jerome Dwyer
- 832 John William Kern
- 833 John Dinko Obradoviort
- 834 Raymond Ocon
- 835 James Allan Taylor
- 836 Philip Rex Winters
- 837 Lawrence Edward Dunn
- 838 Louis Evan Grivetti
- 839 James Joseph McKinstry, Jr.
- 840 George Scott Phillips
- 841 Talbot Dyer Bailey, Jr.
- 842 David Dundonald Nixon

### IOTA

- 809 Ronald Vernon Anderson
- 810 Otto Theodore Benstrup
- 811 Donald Edward Beverlein
- 812 Jerry Lee Cadden
- 813 Jerry Ellwood Catron
- 814 Richard Oliver Dean

815 Rubert Alan Elrod  
 816 Byrl John Engel  
 817 George Wilburn Gibson  
 818 Robert Homer Glaser  
 819 Thomas Robert Halbrook  
 820 Charles Gary Jost  
 821 Gerald Dee Misemer  
 822 Edgar Lee Morris  
 823 Grover John Murphy  
 824 Milton Anders Odegard  
 825 Mario Alfonso Padilla  
 826 Anthony Dominic Pezza  
 827 Robert John Powers  
 828 John William Ricketts  
 829 Martin Mace Rogers  
 830 Harry Oscar Schneider  
 831 Ralph Edward Shepard  
 832 Edward Hugh Stewart  
 833 Jerry Carl Swank  
 834 Russell Harve Wiethop

## XI

205 Roger Gerald Bensman  
 206 Neil Brunner  
 207 Delbert Douglas Towne  
 208 William Charles Luedke  
 209 Vernon Leonard Gross  
 210 George William Buchholz, Jr.  
 211 Robert Lee Clark  
 212 Henry Adolph Wehrmann, Jr.

## PI

602 Richard Ernest Arvidson  
 603 Kenneth Alvin Mink

## RHO

605 Cecil Lloyd Duncan  
 606 Robert Warren Waters  
 607 Ronald Kendall Culp  
 608 Robert Anthony Robertson  
 609 James Acra Hackney, III

## SIGMA

517 Samuel Howard Miller  
 518 Gary Douglas Moore  
 519 David Arthur Sealer  
 520 Harold David Singer  
 521 David William Smith

## TAU

626 Martin Edward Mullen  
 627 Walter Stewart Roberts, Jr.  
 628 Arthur Kurt Sachs  
 629 Reuel Ford Pray, III

## PHI

341 James Howard Andrews  
 342 Robert Rudolph Backlin  
 343 James Bruce Coffman  
 344 Lowell Dean Deckard  
 345 James Robert Slazas  
 346 John Phillip Smrz

## CHI

581 David Allen Badger  
 582 George Earl Barr  
 583 Richard David Bates  
 584 William Archibald Estes, Jr.  
 585 Milton Lloyd Hardyck  
 586 Myron Foss Harmon  
 587 Peter McKnight Norris  
 588 John Terrence Stanley  
 589 Edward Richard Westall

## PSI

411 Arthur Lee Boettcher  
 412 William Ralph Byrne  
 413 Gay Duane Kravik  
 414 Terrill Clark Kurtenbach  
 415 Robert Lewis Applegate  
 416 George Arthur Grandy  
 417 Robert Beach Donaldson  
 418 Donald Keith Roberts

## OMEGA

523 Sherwin Doren Artus  
 524 Roger Walter Burger  
 525 Gary Ralph Hansen  
 526 Aelred Joseph Kurtenbach  
 527 Frank Charles Maciejewski  
 528 Silas Edward Mead  
 529 David Warren Mikkelsen  
 530 John Alvie Morris  
 531 George Daniel O'Clock, Jr.  
 532 Reece Spalding Palmer  
 533 Walter Dean Paulsen  
 534 Loren Walter Peters  
 535 Clyde Samuel Pietz  
 536 Harold Douglas Preszler  
 537 Robert Fay Pritchett  
 538 David K. Rice, Jr.  
 539 Arvid James Richter  
 540 Harlan Nathan Robbins  
 541 Cletus Ferdinand Schroeder  
 542 Melvin John Steiger  
 543 Roger Kent Toulouse  
 544 Dennis Lynn Weaver  
 545 Richard Edwin Wolfram

## GAMMA BETA

413 Wesley Grieves Harris, Jr.  
 414 Donald Wallace McChesney  
 415 Floyd Francis Mathews, Jr.  
 416 Raymond Peter Morales  
 417 Edward Fletcher Walker, Jr.  
 418 Franklin Rafael Wiesman  
 419 Herbert Swann Wilkinson

## EPSILON BETA

126 Charles Biagi, Jr.  
 127 Eldon Louis Galletti  
 128 John Michael Hakala  
 129 Rubert Edward George Lagodny, Jr.  
 130 Hugh Johnston McAulay  
 131 Marvin John Moldowan  
 132 Ray Wilson Schooley  
 133 Harold Wayne Harrison

# Editorials

## THETA TAU CALLING

Pursuant to legislation enacted at the 22nd Biennial Convention held last year in Madison, Wisconsin, Theta Tau now boasts a Traveling Secretary.

Brother Robert E. (Bob) Pope accepted this position, in addition to his office as Grand Scribe, as of October 16, 1959. Primarily, Pope will be concerned with extension of the Fraternity to new campuses. Secondly, he will be calling on all present active Chapters and alumni Chapters to help in every way he can to strengthen our operations.

In accepting this arduous assignment Brother Pope demonstrated again, as he has many times before, a great love and devotion to the principles of our order. It was no small sacrifice to give up, at least for a time, his promising career with Malinkodt Chemicals to embark on this new and untried field for his Fraternity. Our entire membership joins in wishing him great success on this important undertaking, which can mean so much to the future of Theta Tau.

PLM

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## PLAN FOR REGIONAL MEETINGS

The plans for the regional meetings in the off-convention year are outlined in this issue by Brother Charles E. Wales, newly elected Grand Outer Guard. The last convention provided adequately for the cost of delegates attending the meet-

ing. In fact, funds are available for sizeable delegations from all chapters so that full benefit can accrue to the chapters when the delegates return.

Primary responsibility rests with the host chapters. They can make the meeting a great success if they will give thought to the preparations for all features of the meeting: sleeping accommodations, arrangement for group meals, meeting rooms for simultaneous discussions, discussion leaders, and a social event if time and circumstances permit. Preparation well in advance is the key to successful meetings. Committees headed by the most able and conscientious members of the chapter should be given their assignments early in the game and frequent readings on their activities should be taken by the Regent.

The visiting delegates can also insure a successful meeting by attending in good numbers. In no case should a chapter go unrepresented unless it is willing to admit that it is moribund.

The regional meetings offer an opportunity to tackle details of chapter operation and policy which can not be handled at the National Conventions. There, the time must be devoted to fraternity legislation. The discussions at the regional meetings frequently lead to recommendations to committees at the convention and hence serve as the ground for preliminary discussion of future legislation. It is therefore desirable to bring up matters of general fraternity policy at the regional

meetings with the expectation that action can result some months later.

This is an opportunity to organize a beneficial professional activity and

it is expected that all chapter offices will do their part in making the 1960 meetings a great success.

JWH

## Letters to the Editor

Town Hill Road  
New Hartford, Connecticut

Dear Brother Howe:

Since I just joined the ranks of the alumni this past June, I don't know if you class this as a change of address or an addition to the mailing list. But either way, I will be very pleased to receive THE GEAR at the above address.

I am now employed as a development engineer by the Plax Corporation of Hartford, Connecticut.

I thank you, and I will be looking forward to catching up with the news of Theta Tau.

Yours in H & T,  
John H. Rump  
Omicron '59

*Whichever way you figure it, John, you should get this. Nice to hear from you.*

Department of Mining and Metallurgy  
New Mexico Institute of Mining and Technology

Socorro, New Mexico

Dear Brothers:

I returned from France last summer where I had spent two years as Engineer Counsel with Institut de Recherches de la Siderurgie near Paris. Since then I have been Senior Chemical Engineer in the Chemical Division of Colorado School of Mines Research Foundation, Golden. I am now going to the New Mexico Institute of Mining and Technology, as Professor of Metallurgy and Head of the Department of Mining and Metallurgy.

In H & T,  
Frank W. Bowdish  
Psi '39

*Congratulations, Brother Bowdish. THE GEAR will follow you as far as you go if you tell us where you are.*

P. O. Box 667  
Victorville, California

THE GEAR of Theta Tau.

I wish to thank you for THE GEAR, Spring 1959, Number 2, which just came. I happen to be one of the older ones, M.

C. M. 1908-Beta. 1908 was a long time ago. I am retired now.

Many thanks,  
G. H. Morgan  
Beta '08

*We know what you mean, Brother Morgan. We have edited THE GEAR for thirty.*

2144 Harrison Avenue  
St. Albans, West Virginia

Dear Brothers.

Hope this finds you well. I was very glad to hear of the progress made at the past Biennial Convention, and sincerely hope that Theta Tau can now forge ahead as it should. I hope the issues of THE GEAR in the near future bring me news of the chartering of new chapters.

Since graduating in 1958, I have been employed by Union Carbide Chemicals Co. at Institute, West Virginia. My wife and I now live in St. Albans, West Virginia. We have a daughter, Valerie June, born May 18, 1959.

In H & T,  
Ralph Baker  
Delta Beta '58

*You will be interested in the Grand Regent's message up front. Thanks for the new address.*

Department of Metallurgical Engineering  
Stanford University  
Stanford, California

Dear Brother Mercer:

Enclosed is my new mailing address. I am now teaching at Stanford University as Associate Professor of Metallurgy after having spent two years in Europe doing research on high temperature materials as well as metallurgical liaison activities for the U. S. Office of Naval Research, London, England.

Very truly yours,  
Oleg D. Sherby  
Epsilon '47

*Thanks for the new address. We will send your GEAR to Stanford.*

# Letters from the Chapters

## Alpha Adds Trophy to Collection



Alpha Chapter began this year's activities by initiating fifteen men into the fraternity. This proved to be a large task for the active members since the number of pledges was about as large as the number of actives.

A few actives experienced some difficulty during this time such as the case of the RT/v being relieved from a few tires. Several work projects kept the pledges out of mischief most of the time. One of the main projects was the building of sign for the front lawn showing the name and address of the fraternity.

Alpha now has nine new pledges planning to become active Theta Taus at the beginning of the winter quarter. They are the result of what proved to be a very effective rushing program this Fall.

We added to our trophy collection by winning the Engineers' Day All Participa-

tion trophy last Spring quarter. The pledges as well as the actives worked hard for this award.

One of the main social events held this quarter was the homecoming party. This was a costume party following the theme of homecoming, "Spook the House the Vanderbilt." Several "spooks" and their "witches" attended.

On October 15, the fraternity celebrated its founding by holding the annual Founders' Day Banquet at the Air Force Officers Club. Honorary members, Dr. Miles Kersten and Dr. Henry Eggers, gave brief talks on their recent travels abroad. Grand Regent Charles Britzius gave a short talk encouraging the members to develop an attitude of professionalism since the fraternity is a professional engineering fraternity.

Alpha wishes to extend its greetings to all chapters with the hope that this year will be a successful one for all.

In H & T,  
Richard R. Dahlen  
Corresponding Secretary

## Beta Eyes Intramural Trophy



Fraternal greetings and best wishes from Beta Chapter to all Brothers of Theta Tau.

The H and T house at Michigan Tech has a full house this year with 33 ac-

tive members residing therein. These added to the actives living outside the house bring the total active membership to 42. Six of these men made up our Fall pledge class which was initiated into membership on October 18. At the present time, we have four men in our Winter pledge class.

Officers for the forthcoming year are Regent, Bob Smart; Vice Regent, James Hodge; Treasurer, James Thompson; Scribe, Joseph Wasielewski; Steward, John Stamm; Corresponding Secretary, James Cote; and Purchasing Agent, David Byfield. Dr. Leo F. Duggan, chapter adviser of Beta Chapter for the last 30 years, retired last year and has been replaced by



Prof. Herbert Hawn and Dr. Roy Drier as co-advisers.

Socially, Beta Chapter has enjoyed several fine parties so far this year, and is making big plans for the coming Interfraternity Dance. Beta's entry to the Michigan Tech homecoming parade won second place in a close float contest this year.

After winning the Intramural trophy last year, Beta is making a concentrated effort to repeat the win this year.

In H & T,  
James D. Cote  
Corresponding Secretary

## Epsilon Adding Honoraries



Epsilon takes this opportunity to extend fraternal greetings and best wishes to all members of Theta Tau. We are enjoying an active Fall semester under the leadership of Scott Phillips, Regent; David Nixon, Vice Regent; Tom Tur-

cotte, Corresponding Secretary; Jim McKinstry, Scribe; and Richard Maiola, Treasurer. Dr. Samuel Welles is our Chapter Adviser.

Epsilon has 14 active members at this

time. We are now nearing the end of a very successful rush program and hope to soon have several new pledges.

Thus far this semester we have had three very interesting talks by Dr. Welles, Dr. Williams, and Dr. Durham with large turnouts and good faculty participation. We have also had a very successful financial semester thanks to our parking lot. We are now in the process of acquiring several honorary members.

Yours in H & T,  
Scott Phillips  
Regent

## Zeta Contracts for House Site



Zeta Chapter's officers for the Fall of 1959 are Regent, Thomas Domville; Vice Regent, William Fisher; Scribe, Albert

Werner; Treasurer, Donald Coffman; and Corresponding Secretary, William Freshley. Our Chapter Adviser is Dr. J. O. Maloney.

Zeta has been quite active socially this Fall. We have already held two "hour dances" and hope to have more within the next few months. Recently we held a "Saturday Night House Party." This was a dancing party which was quickly organized when our hay rack ride was rained out. But rain does not discourage the men of Zeta, as we finally held a hay rack ride two weeks later. On October 18, Zeta Chapter celebrated Founders' Day with a dinner at the chapter house. Many alumni, including quite a number of faculty members, were present. The Fall semester Pledge Banquet was held October 20. This dinner, given by the active chapter in honor of the pledge class, welcomed the new pledges into the fellowship of Theta Tau. On November 7, we held what we called an "Arty Party." This is a casual party at which the "decorating" was done by the men and their dates. As usual, the pledges entertained at intermission with a short skit. Finally, plans are in the making for our annual Jacqueminot Christmas Formal. The date has been set for December 11, and we have hired a band from

Topeka. The dance will probably be held in the Student Union and we extend a cordial invitation to everyone.

Every year Zeta has prided itself with our representation in campus activities. This year was no exception. Brothers Con Coffman, Dave Marshall, and Ronald Komatz serve ably on the Engineering Council. The *Kansas Engineer* lists these Zeta men on its editorial staff: Lloyd Terpening, Bob Rehagan, and Dave Marshall. Brother George Dodd is the most outstanding of the Zeta men in honorary fraternal membership. George holds position in Tau Beta Pi, Sigma Tau, Eta Kappa Nu, and Sigma Pi Sigma. Sigma Tau and Eta Kappa Nu also claim Brother Komatz in



Zeta's present home





New site marked

their membership. Brother Marshall holds membership in Sigma Pi Sigma and Brother Jack James belongs to the Hawk Watch Society. This year's Engineering Homecoming Committee was headed by two Zeta men; Brothers Rehagan and Rusco. In the Spring another Zeta man, Brother Dave Stahl, will serve on the K. U. Relays Committee.

And the best news for last. For several years Zeta Chapter has been extremely interested in building a new chapter house. The site for the new house has always been in question. We have finally answered this question. The Kansas University Endowment Association has offered lots for the development of fraternity houses on an undeveloped tract of land designated as "Fraternity Place." The House Corporation Board has signed a contract with the Endowment Association and has made a down payment on one of the offered lots. The need for a new house is evident. The House Corporation Board feels that the present chapter facilities do not serve adequately the needs of the men. We presently have 21 actives and 11 pledges. The capacity of the house is 30 with crowding. The decision to buy ground for a new house has been long awaited by the men of Zeta. Only through the efforts of our outstanding and hard-working alumni on the House Corporation Board have we come this far. Zeta Chapter is looking "Five years hence."

In H & T,  
William K. Freshley  
Corresponding Secretary

## Iota Chapter Again on Top at MSM



Iota Chapter has again attained the prestige on campus that it once held. Here at the Missouri School of Mines, in addition to our being a Professional Engineering Frater-

nity, we are considered an honor and service fraternity. Our present membership is now thirty-seven actives and twelve pledges, with nine of the fifteen social fraternity Presidents as Brothers in Theta Tau.

Our first project of the year was to publish the annual "Theta Tau Calendar of Events." Work was done last semester in organization and in collection of the advertisements and special events to be included. With this work done, the calendar was ready to be put together and given out to the students on registration day.

As a means for raising funds, Iota Chapter sold mums for the Homecoming Football Game. It is mainly through these sales that we are able to raise the money for our various activities throughout the year.

Plans are being completed to have a

Christmas Dance this year. We have not had many social affairs in the past, but feel that this will help strengthen the Brotherhood of our Chapter.

We are also presenting an "Outstanding Freshman Award" this year. Candidates are chosen by a point system, with both scholarship and activities being taken into consideration. The top candidates are then to be interviewed by a committee who will recommend the outstanding man to the Chapter. This award is to be presented at the School Honors Convocation.

One of the most successful projects of last year was our "Ugly Man Contest." This contest was in cooperation with the March of Dimes to which the proceeds were donated. The various organizations and fraternities on campus submitted candidates, and after much advertisement through the school paper and posters, the "voting" was held. Votes were cast by donation dimes. The winner was presented a plaque and trophy at a school activity program. We shall again sponsor this contest in the Spring, as it is a most worthwhile project in addition to being excellent publicity for Theta Tau.

Under the leadership of its present offi-



cers—Leland Robinson, Regent; Mike Swoboda, Vice Regent; Roger Echelmeier, Scribe; Gary Woley, Treasurer; and Rich Kapfer, Corresponding Secretary—Iota Chapter will strive to maintain and im-

prove the honor position which it now holds at the Missouri School of Mines.

In H & T,  
Rich Kapfer  
Corresponding Secretary

## Lambda Worms Its Way Into Parade



At the present time Lambda Chapter has 19 active members. At graduation last Spring, we lost several members which greatly reduced our membership. Pledging is now under way

for the Fall quarter. We have ten fellows who show a great desire to become members.

The chapter elected the following officers last spring. Terry Lester, Regent; Lyle Gustavson, Vice Regent; Larry Murdock, Secretary; Donald Stucker, Treasurer; and Jay Christiansen, Corresponding Secretary.

Our chapter adviser is Preston D. Linford, Professor of Civil Engineering.

During the homecoming activities at the University, the fraternity entered a float in the homecoming parade (if you could call it a "float"). It was a large worm approximately 30 feet long made out of cloth and lath. The floating mechanism was several of the Brothers who crawled inside, with pant legs rolled, and carried it down the street. We did not win an award, but a good time was had by everyone.

Yours in H & T,  
Jay Christiansen  
Corresponding Secretary

## Mu Posts Membership Roll in Eng. Bldg.



Mu Chapter extends fraternal greetings to all our Brothers in Theta Tau. Our chapter officers for this semester are Regent, Max E. Rosenthal; Vice Regent, Joseph Adams; Scribe, Kenneth Hollingshead; Treasurer, Donald

Harding; Corresponding Secretary, Lloyd Taylor; Marshal, Earl Dubin; Inner Guard, Bruce Stephenson; and Outer Guard, Arthur Darr. Our chapter adviser is Grand Vice Regent William K. Rey.

In a full house of 22 actives and 34 pledges we are sponsoring a study hall for

freshmen and sophomores who are having difficulty with their studies. We are also working on our newsletter which will be in the mail shortly. The chapter has completed the board that has the names of all past and present members of Mu Chapter. This will be placed in the Engineering Building.

Individual Brothers are also busy around campus. Kenneth Harwell was the recipient of the Tau Beta Pi Scholarship and Inner Guard Bruce Stephenson was elected chairman of the student branch of AIEE.

Yours in H & T,  
Max E. Rosenthal  
Regent

## Xi Alumni Return for Founders' Day



The biggest news here at Xi Chapter since the National Convention has been the matrimonial tally. Roger Bensman started the ball rolling last February when he got married. William Luedke increased the size

of his family to three during the same month. June saw two members felled by Cupid's arrows: Sherman Ansell and Tom

Obenberger. July was quiet, but Robert Brauns exchanged vows in August and Delbert Towne became a daddy for a third time in September.

The alumni who attended Xi's Founders' Day Banquet were: George Pokorny, Allis Chalmers in Milwaukee; Len Kitchen, Gishol Machine Tool Co. in Madison; Charles Kuchler, Kleinschmidt Labs in Deerfield, Ill.; and Bill Kellenberg, Giddings and Lewis in Fond du Lac, Wisconsin.

In H & T,  
Sherman Ansell

## Omicron Enjoys Monthly Dinners



The officers elected for the Fall semester are Claude G. Carraux, Regent; George W. Heasley, Vice Regent; Ronald P. Grossklau, Scribe; Ronald D. Cooke, Treasurer; and Claude F. Lindeman, Jr., Corresponding Secretary. Our Chapter Adviser is Professor Donald H. Madsen. Our actives now number 38 and we have 12 pledges.

We began this year's activities by spon-

soring a Freshman Orientation Program. This was followed by a Coffee Hour for the new Pledges, and more recently we held our Founders' Day Dinner. Omicron Chapter also continues to hold its Monthly Dinner Meeting.

Recently John Rump and Charles Schmidt, Past Regents of Omicron, received gavels for their distinguished services to our Chapter.

Yours in H & T,  
Claude F. Lindeman, Jr.  
Corresponding Secretary

## Rho Giving Party for Blind Kids



The officers of Rho Chapter for the Fall semester, 1959, are as follows: R. Douglas McBrayer, Regent; J. Lynn Brown, Vice Regent; Ben E. Lemons, Scribe; I. Blair McLeod, Treasurer; James Leonard, Corresponding Secretary; Carl R. Horton, Marshal; David W. Abee, Outer Guard; John H. Johnson, Inner Guard; and our chapter adviser is Alexander A. Carlyle. We presently have 25 active brothers and 7 pledges.

Rho's first dinner meeting of the year was the Founders' Day Banquet, attended by the active brothers, faculty brothers,

and graduate brothers. A history of Theta Tau and the beginning of Rho Chapter was given by one of the brothers. Dinner meetings are planned for each month with speakers from the faculty and industry scheduled to appear.

A Christmas party is also planned for a dormitory at the Wiley School for the Blind. Rho gave a Christmas party for them last year and everyone who attended enjoyed it tremendously and felt it very gratifying to see the handicapped youngsters so active and cheerful.

In H & T,  
Douglas McBrayer  
Regent

## Sigma Has "Do It Yourself" Professional Development Program



At present Sigma's membership is 34 actives and 6 pledges. We lost fifteen actives at graduation in June. The present officers of Sigma Chapter are John Bishel, Regent; William Kirby, Vice Regent; James Buckenberger, Treasurer; and William Wolfe, Scribe.

Our adviser, Professor Edmund D. Ayres of the Electrical Engineering Department, was recently asked to continue as adviser for another two-year period.

We have chosen and accepted Charles F. Fell, also of the Electrical Engineering Department, as an honorary member. Professor Fell was initiated on October 24, 1959, along with the pledge class.

At a recent professional development

meeting we tried a new innovation. Three of the actives—John Bishel, James Buckenberger, and Bill Wolfe—gave their views on the engineering industry in which they worked during the summer months. It was felt that in this manner the members could gain some experience speaking before a group in preparation for later activities and thus more directly serve the professional development of the fraternity.

Thus far this year we have had nearly 100% participation in our activities. Even though our membership is smaller than last year's, the actives are taking a greater interest per person.

On behalf of Sigma Chapter, I wish to send best wishes to all chapters and brothers of Theta Tau.

Yours in H & T,  
Kenneth J. Hutton  
Corresponding Secretary

## Tau Selects New Adviser



We of Tau Chapter appreciate your interest in us although, since the number of active members has been drastically reduced in our chapter, we are

limited in activities and news.

Three new members were initiated in the latter part of last Spring. Their names

are W. Stewart Roberts, Jr., Martin Mullens and Arthur Sachs. We have also selected a new adviser who is prominent in work concerning Civil and Mechanical Engineering. He is Professor R. Ford Pray of the Department of Engineering Drafting.

In H & T,  
Ira Feldman  
Regent

## Upsilon Looking for a Good Year



The officers of Upsilon Chapter for the Fall semester are Regent, Bob L. Wilson; Vice Regent, Jack Hammett; Scribe, James R. Kimzey; Marshal, Tom L. Chaffin; Treasurer, Howard Jones; and our

Chapter adviser is Professor J. R. Bissett. We presently have 36 actives and 13 pledges.

Upsilon chapter started the activities of the year with the Founders' Day Banquet held at the A. Q. Chicken House. Mr. Ted Rand, past president of the Arkansas Broadcasters' Association was the speaker for the evening. A football listening party was held at the chapter house November 7. A party based on the World War II era is planned for December. The Chapter is currently working on plans for a new house.

Brothers Bob L. Wilson, John H. Moore, and Charles Yates have been elected to membership in Omicron Delta Kappa and Brothers Jerry Perciful, Tom Chaffin, C. L. Roy, Jim Hefley, Jack Hammett and James Fawcett are candidates for Tau Beta Pi. In June three brothers were elected Outstanding Engineering Graduates: Dick Blake was Outstanding Senior; John Hoskyn was Outstanding AgE Senior and Tom Ross was Outstanding ChE Senior. Brother Bob L. Wilson is this year's editor of the *Arkansas Engineer* and Jim Hefley is President of the Engineering Council.

We are looking forward to an active and productive year and extend an invitation to all Brothers to visit us when in the area.

In H & T,  
Bob L. Wilson  
Regent

## Phi Enjoying Modern Living



"Operation Facelift," Phi's big project of almost two years' duration, has at last been completed. The work actually started in December of 1958. Within a week the old house no longer looked like the peaceful,

respectful, and quiet home of studious student engineers that it had been such a short time before. The contractor had torn down the front porch, which is remembered by many as an old familiar sight, and he had completely dismantled the bathroom, including the floor, ceiling, walls, and all of the fixtures. The entire house looked as if it had been caught in

the middle of a combination tornado and dust storm. It was not long, however, un-



New study room furniture



Phi's finished face lift

til the house was "liveable" again and the big push was on. To meet with the fire inspector's code such necessities as exit lights, fire doors with panic hardware, and a change in the fire alarm system were needed. To do away with the chimney effect of the stairway between the first and second floors, the stairway was completely enclosed and a fire door placed at the bottom. Because some of the furniture in the study rooms was starting to fall apart with age it became necessary to investigate the buying of new furniture to accommodate the men in the house. At this time it was decided to go ahead and buy enough to completely refurnish all the study rooms. Thirty new desks and chairs along with 13 double and 4 single dressers were bought. All in all we have a much improved "home" here in Lafayette.

Elections were held on October 19 and the following officers were elected: Regent, Jerry L. Yohey; Vice Regent, Edward N. Doty; Scribe, M. Edward Whitney; Treasurer, Philip Stone; Corresponding Secre-

tary, William Bunnell; House Manager, Carl Brown; and Pledge Trainer, Edward N. Doty. On October 25 we welcomed six new members into Theta Tau at a formal initiation, and Phi has chosen a fall pledge class of seven men.

Phi scholars improved immensely in their scholarship rating in the spring of 1959. It was the actives with their experience that accounted for a rise from 19th on campus to a very respectable 9th place. We hope we can continue our improvement this semester.

Now that the remodeling project is complete, we have set our sights on a truly more wonderful goal, Fraternity Spirit. With only a few weeks gone in the fall semester Phi's spirit has really come up fast. With this spirit increasing as it is, we can expect to have another year of well-rounded engineering education.

In H & T,  
Matthew J. Verbiscer  
Publicity Chairman

## Chi Chapter Starts by Pledging 13



Again this year Chi Chapter members are active on campus with seven actives and one pledge on the Engineers Council, which is made up of sixteen men from the Colleges of Mines and Engineering. Also, at least

two of the officers of each of the founder organizations are Theta Taus.

Looking forward to having eighteen of the twenty-two active members graduating this year, Chi Chapter went about selecting pledges with great enthusiasm this semester. The results were thirteen prospective new members.

Chi Chapter extends a hearty welcome to any Theta Taus passing through Tucson.

In H & T,  
Rolf K. Murchison  
Corresponding Secretary

## Psi Wants House



Greetings to all fraternal brothers from Psi Chapter in Butte, Montana.

Psi came through with flying colors in the school elections

last Spring. We placed three of our top men in the five student offices. Those elected were: Richard R. Vincelette, President; George A. Grandy, Vice President; and Gay D. Kravik, Delegate.

Our most recent active members include Donald Roberts, Gay Kravik, Ralph Bryne, Terrill Johnson, Arthur Boettcher, Robert Applegate, Robert Donaldson, and George Grandy, all initiated since the last publication of *THE GEAR*. This year's rush activities have just ended and Psi Chapter

plans to commence the pledging activities with a dinner party November 6.

Psi Chapter, which at present holds its meetings in one wing of the dormitory, has started initial work toward obtaining a house. We are now contacting alumni with the hopes that they will be able to give us some financial assistance.

Also, Psi would appreciate any alumni who have lost contact with the chapter to send us their address, so we can return them to our mailing lists.

As is the annual custom, Psi is planning to hold its Founders' Day celebration at the Diamond S Ranch near Butte.

In H & T,  
Douglas Wadman  
Corresponding Secretary

## Gamma Beta Does Lots of Eating



Gamma Beta Chapter extends fraternal greetings and best wishes to all Brothers in Theta Tau.

This year Gamma Beta is under the very capable leadership of John Roberts, Regent; Mike Gall, Vice Regent; Dan Havens, Scribe; Monte Whitham, Treasurer; Jerry Cornelius, Corresponding Secretary; John Howie, Marshal; and Lee Potterson, Inner Guard. Our Faculty Adviser this year is Dr. Norman B. Ames of the Department of Electrical Engineering.

Our Fall initiation was held November 7. With the addition of these seven new members we brought our roll call to 35 active members. The Banquet and Ball were held that evening and should be re-

membered as one of the outstanding social events of the year.

The Gamma Beta actives and pledges are the leaders of the Engineering School. In the Engineering Council the five top offices are held by Theta Tau men. Ray Howland is President, Wayne Davis is Vice President, Ray Morales is Secretary, Jack Petrick is Treasurer, and Herb Wilkinson is Assistant Treasurer. Ten of the 15 members of the Council are members of Theta Tau.

Theta Tau is also well represented in the professional societies. In ASME Guy Jones is Secretary, Henry Mayo is Treasurer, and John Roberts is the Engineering Council Representative. In ASCE Jim Crist is President, Mike Gall is Vice President, and Floyd Mathews is the Engineering Council Representative. In AIEE-IRE Lee Potterson is Secretary and Brother Ames is the Faculty Adviser.

MECHELECIV, the Engineering School magazine, is being put out by several brothers: Bob Gerber, Editor; Fred Hood, Art Director; Jack Petrick, Business Manager; Ray Morales and Herb Wilkinson, Assistant Business Managers; Dan Havens, Office Manager; and Wayne Davis, Ray Howland and Jim Lear, Student Advisers.

Gamma Beta was tenth last year in intramural sports. We are trying to improve on that ranking this year under the direction of the athletic chairman, Bob Gerber.

This year we have seven Brothers in Sigma Tau and we had three Brothers on last Spring's Honors List for outstanding scholarship.

Social life has included a picnic on Memorial Day for the girl friends and the families of the members; a stag party at Brother O'Neal's summer cottage on Ches-

apeake Bay; and a week-end at Ocean City, Md. In August we had a picnic for prospective new members at Fort Hunt Park, and then early in September we had a beer bust at Brother Ames' home for all the new pledges. Later in September we sponsored an Engineers' Mixer for the benefit of the incoming freshmen. Then it was the Banquet and Ball and the annual Shrimp Feast on Veterans' Day.

This is the beginning of a good year for Gamma Beta Chapter. We hope to make it a Great Year. Our best wishes to all Brothers in Theta Tau for success.

Gamma Beta extends an invitation to all Brothers to visit the Chapter whenever you are in the vicinity.

Yours in H & T,  
Jerry Cornelius  
Corresponding Secretary

## Delta Beta to Publish Newsletter



The actives of Delta Beta Chapter wish to extend fraternal greetings and best wishes to their Brothers through-

out the country. Congratulations are also in order for the Brothers who took part in the Twenty-Second Biennial Convention. Their selection of policy and new officers can only lead to a greater Theta Tau.

Last Spring was the date of a very successful Jacqueminot Ball here at Delta Beta. This event was held in the auditorium of the University of Louisville's new University Center Building. Smooth music was provided by Art Glaser's orchestra and the evening's events were culminated by the presentation of the Queen's Trophy to Miss Kitty King of Louisville. Miss King was escorted by Brother William Leyers. Many Speed Scientific School faculty members were in attendance. Among these were Professors M. G. Northrup, L. B. Jenkins, Jr., R. D. Zucker, E. R. Gerhard, and M. L. Fegenbush, Jr.

Six capable men have recently been initiated here at Delta Beta, bringing the roll to thirty actives. An extensive rush program is being planned for this fall.

New officers recently elected are Jerry Bishop, Regent; Richard Elmer, Vice Regent; John Kastensmidt, Treasurer; William Leyers, Scribe; Gerry Fairfax and John Cosgrove, Co-housemanagers; and Morgan Waugh, Corresponding Secretary. The selection of a new pledgemaster in the person of William McCammon has guaranteed the proper training of future actives at Delta Beta. The actives at Delta Beta wish to take this opportunity to extend their thanks to the outgoing officers and also extend a hearty Good Luck to the graduated Seniors.

At present we are interested in obtaining the latest addresses of our alumni and will welcome letters from them. A newsletter will be published soon to elaborate on our activities here at Delta Beta.

Yours in H & T,  
Morgan S. Waugh  
Corresponding Secretary

## Epsilon Beta



Best wishes to the active chapters are sent wholeheartedly from Epsilon Beta. We are glad to say that we gained a relatively large number of new members in the past semester. We also lost a few to

Uncle Sam and to long awaited graduations. At the present time our active chapter has twenty-seven members.

For the present semester our reigning officers are as follows: Regent, Lawrence C. Boczar; Vice Regent, Willard E. Johnston; Scribe, Mitchell P. Zdyb; Treasurer, Robert F. Gurchiek; and Corresponding Secretary, Hugh McAulay. Dr. Harold G.

Donnelly is our much appreciated Chapter Adviser.

Eight new members were initiated on June 12, 1959, and we were happy to have a large attendance from the Detroit Alumni Association. Besides our new initiates, Epsilon Beta gained three members who returned to the ranks of full time students and active members. They are Richard Kozlowica, James D. Owens, and James Waldrop. To compensate for this increase a number graduated. They were Brothers Eskola, Lahti, Halfacre, Phillips, Warden and Zuschlag. We also lost Brother Padden to the Air Force.

Our Pledgmaster for this term is John Baetz. He is in the process of pledging three prospective members.

In the past few months, Epsilon Beta has had most of its usual social events. The Social Chairman is Clem Bommarito

who has been keeping us busy. We had our Canoe Party in August, and recently, we had our annual hayride. Our Founders' Day Dinner Dance was attended by fifty-nine couples, and we must say that our Alumni had a rousing time.

Epsilon Beta recently held an Open House which allows the actives' parents to become acquainted with each other. Also, they have an opportunity to become closer to the Fraternity by meeting the actives and seeing their second home.

As mentioned in the last issue of THE GEAR, Epsilon Beta inaugurated a housing fund. It went into full operation at the time of our Dinner Dance, and our Board of Control is keeping their eyes open for a good location.

Yours in H & T,  
Hugh McAulay  
Corresponding Secretary

## Intermountain Alumni Association Sends News

The Intermountain Alumni Association continues to meet for luncheon the first Friday of each month at the Ambassador Athletic Club in Salt Lake City. The officers for 1959-1960 are: President, Elton W. Pace; Vice President, Walter G. Price; Secretary-Treasurer, E. J. Watts.

Brother C. E. Bartlett, a native Salt Laker and graduate of the University of Utah, has been named resident manager of Reynolds Metals Company's Bauxite Mine in British Guiana.

Brother Max J. Kennard, who graduated in metallurgy from the University of Utah, has been promoted to Vice President of South Western Engineering Company, Los Angeles, with the responsibility for administration, purchasing, engineering and construction functions for varied projects.

In H & T,  
E. J. Watts  
Secretary-Treasurer

## Twin City Alumni Association Observes Founders' Day

The current officers of the Twin City Alumni Association of Theta Tau are as follows. Remus Bretoi, President; Glenn W. Schwartz, Vice President; and Robert E. Meyer, Secretary and Treasurer. An alumni directory for Alpha Chapter is now being printed and will be mailed to all Alpha alums by November 1, 1959.

At the Founders' Day banquet on October 15, 1959, two pictures of bridges were presented to the active chapter by the Twin City Alumni Association and the Soo Line Railroad in the memory of Fred Teske, Alpha '27, who passed away on October 6, 1958.

During June, 1958, Dr. Henry C. T. Eggers, Honorary '46, retired from the staff of the Institute of Technology at the University of Minnesota after many years of service. At that time he and Mrs. Eggers began planning a trip around the world. This dream came true for them on Feb-

ruary 20, 1959, when they left San Francisco on the President Monroe of the American President Line. Their trip westward around the world included stops at twenty-one ports in thirteen countries. In most ports they spent several days ashore seeing the many sights. They returned to the United States at New York on May 20, 1959, after a very enjoyable trip.

During this past September Professor Miles Kersten, Honorary '46, served as chairman of a seven-man delegation to Russia. The delegation were interested in Soil Mechanics and Foundation Engineering. The group was sponsored by the Highway Research Board and American Society of Civil Engineers with assistance from the National Science Foundation. The group consisted of representatives from the Massachusetts Institute of Technology, Princeton University, Purdue University, University of California and other colleges.



The three-week trip took them to soil research laboratories and field construction sites in Moscow, Kiev, Leningrad and Stalingrad. Three seminars were also presented at the University of Moscow, Kiev

Academy of Sciences and the Leningrad House of Sciences.

In H & T,  
Glenn Schwartz  
Vice President

## Alumni Notes

### ALPHA

*Shepard, George M.*, '09, was chairman of the class of '09 Reunion Committee at the University of Minnesota last spring.

### DELTA

*Young, Jack M.*, '43, now has his name on the shingle of Meyer, Baldwin, Doran and Young, Patent Lawyers. His working address is 1430 Keith Building, Cleveland, Ohio.

### EPSILON

*Darke, Roy E.*, '10, may be reached care of Standard Oil Co. of California, Box 1200, Bakersfield, Calif.

*Andregg, John N.*, '36, now lives at 1293 Lincoln Way, Auburn, Calif.

*Hill, Kenneth E.*, '38, is available at the Chase National Bank, 18 Pine Street, New York City.

*Atkinson, James E.*, '40, is a Consulting Mining Engineer and may be addressed at 1040 Leavaston Street, San Francisco, Calif.

*McLaughlin, Donald, Jr.*, '51, is working for the California Ecuador Petroleum Co., Cassilla 1256, Quito, Ecuador, South America.

*Stoddard, John Nelson*, '51, is employed by the Fremont Petroleum Co., Equitable Bldg., Denver, Colorado, and home is at 340 Lamar Court.

*Bates, W. A.*, '56, will receive his mail care of Andes Copper Mining Co., Portorillos, Chile, South America.

*Dodge, Frank*, '59, is studying for a graduate degree at Stanford University.

*Schetter, William*, '59, is working for California Research.

### ZETA

*Mangelsdorf, Albert H.*, '02, reports that he is President of Edward E. Mangelsdorf & Brothers Inc. and may be reached at Box 327, St. Louis, Missouri.

*Orton, James W.*, '17, reported to us that J. P. Buckhannan, '16, lives in Silver Spring, Md. Our mail to him was re-

turned, however, for insufficient address. Could one of our other alumni help us with a more complete address?

*Luff, Elvin K.*, '23, is Vice President for the Independence Stove & Manufacturing Company and has 1503 W. Short St. in Independence as his address.

*Endacott, Paul*, '23, is President of Phillips Petroleum Co. and resides at 916 Cherokee Ave., Bartlesville, Oklahoma.

*James, Wallace M.*, '25, is in the Advanced Product Development Dept. of the Tube Division of the Radio Corporation of America.

*Hubbell, Charles W.*, '26, is assistant manager of the Engineering Dept. for Phillips Petroleum Company. His home address is 2030 Johnstone Ave. in Bartlesville.

*McGee, D. A.*, '26, is President of the Kerr-McGee Oil Industries, Inc. in Oklahoma City. He may be reached in the Kerr-McGee Building in that city.

*Cash, George H.*, '28, living in far away England, holds the position of managing director for Cabot Carbon, Limited. His address is Upton Rise, Mill Lane, Upton-By-Chester, Cheshire, England.

*Guthrie, Guy S.*, '38, writes that he is self-employed as a consulting engineer and may be reached at 1003 Vincent Lane, Wichita, Kansas.

*Bloom, D. Stanley*, '41, is currently associated with the Design Section Headquarters Division of Sperry Gyroscope Co. at Great Neck, N. Y. His mailing address is 299 Jackson St., Hempstead, N. Y.

*Moser, Ted H.*, '43, is Assistant Project Manager of the Rio Grande Project for the Bureau of Reclamation. His current address is 1205 Clausen Drive, El Paso, Texas.

*McNeish, George R.*, '51, is self-employed as a Consulting Geological Engineer. He lists his mailing address as 1619 E. 11th, Winfield, Kansas.

*Carroll, Norman L.*, '52, is a Manufacturing Engineer with Westinghouse in their Atomic Fuel Department. His new mailing address is Box 3, Bakerstown, Penn.

*Wilkening, John*, '53, presently holds the position of Dynamics Engineer with Mc-



- Donnel Aircraft Company. Mail will reach him at 8034 Packard, Berkeley 21, Missouri.
- Rogers, Gene L., '54, is a nuclear engineer of the Naval Nuclear Power Branch of the Bureau of Ships. His address is 221 W. Hunting Towers, Alexandria, Virginia.
- Culp, Stuart D., '57, left the U. S. Navy to work for General Electric Corporation. He resides at Apt. 231-B, Hillcrest Manor, Utica, N. Y.
- Kirk, Glenn E., '58, is now stationed at Richards-Gebaur Air Force Base near Kansas City as a meteorologist.
- Benso, William E., '59, is now associated with Sperry Gyroscope, Salt Lake City, and lives at 2580 E. 33rd St. South.
- Gillespie, Charles R., '59, is now attending graduate school at Louisiana State University after completing one semester of graduate work at K.U. He may be reached through his home address, 1147 Wayne, Topeka, Kansas.
- McCamish, Robert H., '59, is a Lieutenant in the Air Force and may be reached through the 819th Operations Squadron, Dyers Air Force Base, Texas.
- Preston, Donald W., '59, is presently employed by the Great Lakes Pipe Line Co. in Kansas City. Mail will reach him at 4033 Walnut, Kansas City, Missouri.

### THETA

- Hadsell, Irving W., '14, has been elected President of the F. W. Dodge Corporation, construction news and marketing organization.
- Kiskadden, Charles, '45, is now with Alcoa in Pittsburgh, Pa.

### IOTA

- Williamson, Joe, Jr., '29, is the owner and principal engineer of Williamson and Associates, 6731 Manchester, St. Louis, Mo.
- Doerres, John H., '43, is with the Butler Mfg. Co. and lives at 917 Graves, Wausau, Wisconsin.
- Massard, Ernest J., '44, is manager of technical data with Thompson, Ramo, and Woolridge of Cleveland, and lives at 651 Cedarwood Road, Willoughby, Ohio.
- Piesecki, Richard F., '44, is an assistant branch manager, Arnold Engineering Development Center at Tullahoma, Tenn. He is employed by ARO, Inc., a subsidiary of Sverdrup & Parcel of St. Louis, Mo.
- Rock, Robert M., '48, is a member of the Chicago District, Corps of Engineers, Construction Div., 5133 Waterman, St. Louis, Mo.

- Bounds, Ivan L., '50, is now at P.O. Box 282, Denison, Texas.
- Buel, Robert W., '50, is with Standard Oil Co., 10 Taylor Drive, R.R. 4, Jefferson City, Mo.
- Duerr, Sidney, '50, is chief engineer, Coloma Oil & Gas Co., 3914 Lamont, Corpus Christi, Texas.
- Zane, Robert I., '51, is now at 3016 W. 57th Terrace, Mission, Kansas.
- Bruskotter, J. F., '52, is exploration engineer, Shell Oil Co., 1327 South Lincoln, Centralia, Ill.
- Fish, George E., '52, is development geologist for the Pure Oil Co. and lives at 3560 Wedgway Drive, Ft. Worth, Texas.
- Matson, Don D., '52, is district geophysicist of the Midwest Oil Co. and lives at 3319 West Ohio, Midland, Texas.
- Cole, Henry M., '53, is with Black and Veatch, Kansas City, Mo., and gets mail at 102 East Hadley, Auroram, Mo.

### LAMBDA

- Thorpe, Jay, '57, has moved from the State of Utah to the State of Washington, having taken a job with Boeing Aircraft.

### OMICRON

- Lewis, Gerald, '57, has changed his address from Cisler Drive to 224 Coventry Road, Marietta, Ohio.
- Gaskill, Larry, '59, is working for the Iowa Manufacturing Co. in Cedar Rapids.
- Parks, Jerry, '59, is employed by the Wagner Electric Co. in St. Louis, Missouri.
- Rump, John H., '59, is a development engineer at the Plax Corp. of Hartford, Conn., and home is Town Hill Road, New Hartford, Conn.
- Saunders, Roger, '59, is working at Sperry Gyroscope in Great Neck, N. Y.
- Stafford, Roger, '59, is employed by North American Aviation in Los Angeles.
- Woodruff, Tom, '59, is living in Moline, Illinois, and is working for the Iowa-Illinois Gas and Electric Co.
- Storer, Bud, '59, is employed by the Trane Co. in New Orleans.

### SIGMA

- Gunvalson, Harry, '52, reports the birth of a son, Marc Alan, on September 12, 1959. Home is at 7072 Greenleaf Ave., Cleveland, Ohio.

### DELTA BETA

- Smith, Donald E., '46, and his wife Joan are the proud parents of their fourth daughter, Jennifer Jude, born August 11, 1959.

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