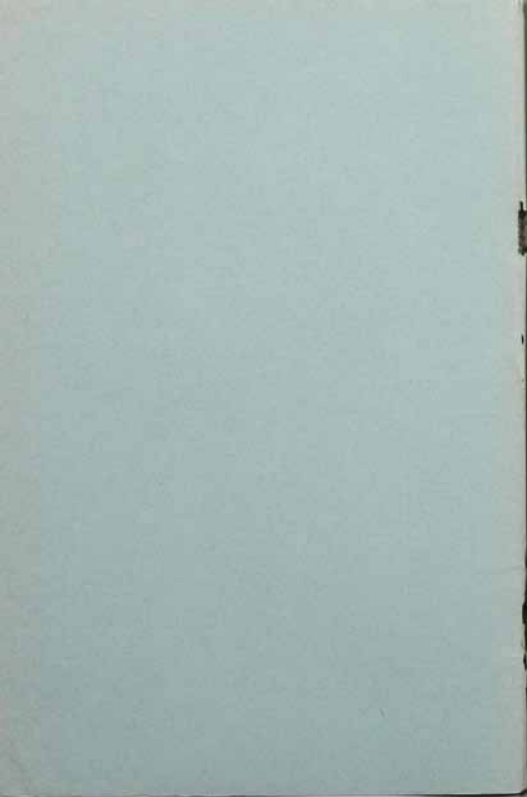


# THE GEAR of THETA TAU

Fall, 1956

Volume XLVI

Number 1



*The* GEAR of  
THETA TAU



FALL, 1956

VOLUME XLVI

NUMBER 1

# 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

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## THE GEAR OF THETA TAU

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Engineering Building, Iowa City, Iowa

Letters for members of the Council should be addressed to  
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Intermountain—E. J. Watts, P. O. Box 403, Salt Lake City, Utah

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# Chapters

- ALPHA, *Founded October 15, 1904* - - - - University of Minnesota  
(Chapter house) 324 Walnut St., S.E., Minneapolis, Minn.
- BETA, *Established March 26, 1906* - Michigan College of Mining and Tech.  
(Chapter house) 1405 College Ave., Houghton, Michigan
- GAMMA, *Established November 8, 1907* - - - Colorado School of Mines  
Theta Tau Fraternity, Colo. School of Mines, Golden, Colo.
- DELTA, *Established May 23, 1911* - - - Case Institute of Technology  
Theta Tau Box, Case Institute of Technology, Cleveland, 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
- THETA, *Established May 26, 1914* - - - - - Columbia University  
Box 32, School of Engineering, Columbia University, New York 27, N. Y.
- 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  
c/o Preston Linford, College of Engineering, Univ. of Utah, Salt Lake City
- 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, 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  
c/o Thornton Hall, University of Virginia, Charlottesville, Va.
- RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.  
c/o Theta Tau Fraternity, North Carolina State College, Raleigh, N. C.

## Chapters (Continued)

- SIGMA**, Established November 29, 1924 - - - - Ohio State University  
(Chapter house) 1946 Indianola Avenue, Columbus, Ohio
- TAU**, Established December 12, 1925 - - - - Syracuse University  
Theta Tau Fraternity, Col. of Engr., Bldg. 6, Syracuse Univ.,  
Syracuse 10, N. Y.
- UPSILON**, Established April 7, 1928 - - - - University of Arkansas  
(Chapter house) 612 Storer St., 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  
Theta Tau Box, Engineering Bldg., University of Arizona, Tucson, Ariz.
- PSI**, Established May 7, 1932 - - - - Montana School of Mines  
Theta Tau Fraternity, c/o Mont. School of Mines, Butte, Mont.
- 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 - George 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  
5431 Third, Detroit 2, Mich.

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## *Twenty-first Biennial Convention*

Columbus, December 28-30

Plans are maturing for the twenty first Biennial Convention of Theta Tau to be held in Columbus, Ohio in the three-day period December 28-30, 1956. Although this is the home of Sigma Chapter, the meetings will be held in the Fort Hayes Hotel.

Committees to handle various features of Convention arrangements have been appointed by Grand Regent Dexter Hinckley. General Chairman of the main committee is Past Grand Regent Russ Glass. He will be aided by Edmund D. Ayres, Sigma honorary and chapter adviser; G. R. Hanes, Sigma '24, chairman of the Alumni Committee for the Convention; Emmett E. Knorr, Sigma '27, president of the Central Ohio Alumni Association; Paul Mercer, Omicron '21, Grand Treasurer; Robert Pope, Zeta '52, Acting Grand Scribe; Walter Flack, Sigma Regent; and Charles Hagedorn, Chairman of the Sigma Chapter National Convention Committee. Brother Hagedorn will be assisted by the following active members of Sigma Chapter: Fred Besco, A. F. Castillos, Joseph Creek, Robert Fenton, Herbert Haueter, Grant Ingersoll, and Ralph Reinman.

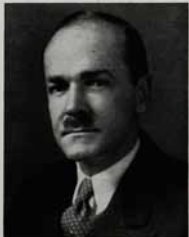
Alumni in the Ohio area are urged to drop in on the Convention Sessions. The Convention banquet on the second evening (December 29) will highlight the meeting and is the logical focus of alumni participation.

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# Ceylon == *The Eden of Asia*

By NORMAN B. AMES

Twenty miles off the southern tip of India, across the Mannar Strait and 6-10° above the Equator, lies Ceylon, land of great promise and potential in the Orient. It is squarely on the route of ships between Europe and Asia through the Indian Ocean. Four ports—Jaffna on the north, Trincomalee on the east, Galle on the southern tip and Colombo on the southwest coast—have excellent facilities.



Colombo, principal city and capital, with a population of some 400,000 has an excellent harbor which will accommodate more than 50 ships behind its protecting breakwater with entrance wide enough to pass one ship at a time. Piers and buildings are modern, imposing and adequate. The dock unions have a stranglehold which no one seems able to break. Dock workers are worse "prima donnas" than our

own and will walk off ships and docks at the slightest provocation. Ships are delayed as much as six weeks or routed to other ports and delayed cargos of perishable goods are frequently dumped into the sea. Colombo could be one of the world's great ports, supplying much needed income to the City and Island.

Colombo's streets are broad and clean, lined with stately palms and flowering trees. In the better sections, particularly Cinnamon Gardens, gleaming white palaces with luxurious flower gardens are occupied by the wealthy. From these housing degenerates through modest dwellings and apartments to "shanties" and finally to nothing, with people infrequently sleeping in doorways or on the pavements.

Health conditions in Colombo are good, malaria and other fevers being practically extinct. My wife and I were out for a week within a month after arrival with flu and newcomers from cooler zones must carefully adjust themselves to this climate. Good water is the greatest need. July (1956) was the driest month in 69 years with only 1½ inches of rain in the catchment area of Labugma Reservoir which was 32 feet below the spillway. Because raw river water has been pumped into the mains all drinking water must be boiled and filtered.

Many fruits and vegetables are available. Oranges and grapefruit are poor, bananas fair but lemons and limes "super" and cheap. Mangoes, mangostines, papayas, avocados, pineapples, and coconuts are plentiful and





Colombo Port Administration Building in foreground

good. Flowers are numerous but distinctly tropical with few roses. Good local meat can be had at reasonable prices or frozen meat from Australia at higher prices. Sea food is scarce and expensive. Fresh milk is likewise scarce and expensive, particularly if pasteurized.

Principal crops are tea, rubber, coconut, and rice. Formerly coffee was the leading crop but a blight wiped it out, tea was introduced and today provides over 60% of export income. Twelve hundred pounds is the average yield per acre but as much as 1900 pounds has been obtained by scientific methods. A half pound carton of Lipton's tea costs about 38 cents (U.S.). Rice is an important item of diet but about half of the requirement must be imported.

A good cement is manufactured at Jaffna but indigenous building materials are scarce and generally poor. Thatched roofs prevail among the cheaper houses and red tile among the better ones. Modern construction is externally very "flashy" but soon shows signs of depreciation. The area seems hard on almost any construction and particularly delicate equipments because of moisture and fungus. Lab-

oratory standard instruments with initial accuracy of one tenth of one percent, have dropped to 3.5% and a practically new electric motor had insulation destroyed by ants.

Many labor operations are still primitive. Large bamboo poles are tediously lashed together for scaffolds. The small bullock and water buffalo are the usual work animals though lumbering two-ton elephants are still found in the hill country. There are numerous other animals, domesticated and wild, with relatively few cats, dogs, sparrows, and pigeons. Definitely the most prominent is a small gray-necked crow which is protected as a scavenger and becomes a real nuisance at times, particularly when he sits on open windows and squawks at you. Probably the most interesting is the small lizard or "gekko", 3-4 inches long, who scoots about the house catching insects of which there are few in spite of the total lack of screens.

Ceylon's civilizations go back thousands of years with many famous kings and queens, religious and cultural leaders. Europeans — Spanish, Portuguese, Dutch, and British, to name a few — have dominated the Island at

different times but never really conquered its people; there have been invasions and influences from Asia. Today, there is a bewildering heterogeneity of races, castes, and religions. The total of 8,099\* millions in March 1953 consisted of:

Sinhalese	5.621
Ceylon Tamils	0.909
Ceylon Moors	0.468
Ceylon Mayals	0.028
Burghers and Eurasians	0.044
Indians and Moors	0.990
Europeans	0.006
Other races	0.032

with the following distribution according to religion:

Buddhist	5.217
Hindu	1.614
Christian	0.715
Muslim	0.542
Others	0.011

Catholics outnumber Protestants almost 10 to 1. The cast system still exists to some extent and radio advertisements sometimes state that their product is "acceptable to all castes and religions". The 2500th anniversary of the introduction of Buddhism to Ceylon which is observed by the "Buddha Jayanthi" is in 1956.

Ceylon is a member of the British Commonwealth with a Governor-General (Sir Oliver Gonnertilleke) appointed by the Crown, an elected Prime Minister (Mr. S.W.R.D. Bandaranaike), 14 ministers of departments, and a Parliament of 30 senators and 101 representatives. Laws are administered by magistrates, district courts, and the Supreme Court.

Three recent (in point of Ceylon's history) events stand out: (1) Freedom from British domination (1947), (2) ousting of Sir John Kotelawala's

\*8,589 in mid 1955.



Two Foreign "hot-rodders" with vehicle beside their street sign. Matter is in English (top), Sinhalese, and Tamil. Many signs have English and Tamil obliterated.

UNP (United National Party) government by the present Prime Minister and his MEP (Peoples' United Front) government in April (1956) and (3) passage of the "Sinhalese Only Act" in June. According to this law Sinhalese will become the official language after 1960. Heretofore Sinhalese, Tamil, and English have been spoken with English the common language, particularly in business, law, science, and higher education.

The situation can be very serious since many people in responsible positions do not speak Sinhalese and the Tamils resent the hardship on them. The Venerable Harold de Soysa, Archdeacon of Ceylon said:

"All of us here must deplore from the very bottom of our hearts the atmosphere of strain and tension between two major racial communities in our land, in the midst of which we live today.

"How sad it is that a nation for whose political independence, great and self-sacrificing Sinhalese, Tamils, and Burghers, Buddhists, Christians, and Hindus alike laboured and fought should now, after this goal has been reached, be in danger of splitting apart. How great a tragedy it would be for us to win our political inde-

pendence and then lose our national unity."

Mr. Bandaranaike has suggested that he will build the future Ceylon along Swiss lines. This is a generally fine idea and will settle the language question as the diverse, but united, Swiss people have four official languages—German, French, Italian, and Romansch—even though only about 40 thousand of the 4.7 million can speak Romansch. He can learn "plenty" from the Swiss; if they had this Island they would make it the crossroads of the world.

Geographically, Ceylon is like an inverted ham with a land area of 25 thousand square miles of which about one fourth is under cultivation. It has almost everything by way of natural resources, except good fuels, and a climate that averages 80° in the lowlands and 70° in the uplands. It has plains, hills, and mountains and a generally adequate rainfall. The land is fertile and, in most instances, will produce two crops a year with irrigation. The latter has been practiced for over two thousand years and many remaining old lakes, reservoirs or "tanks" are marvels of engineering ingenuity.

Most recent of the multi-purpose projects is Gal Oya on the east coast. It is primarily for resettlement irrigation but two of the ultimate four 3000 KVA turbo generators are operating and most of their output is dissipated in water reservoirs while project workers live in unlighted houses because electric lines were not built nor provisions made to bypass the powerhouse with irrigation water.

Electric power facilities of the Island are nationalized and consist of some 27,000 KVA of steam or diesel

stations and 31,000 KVA of hydro stations. Norton Bridge is the largest of the latter with present capacity of 25,000 KVA, ultimate capacity of 150,000. A 200,000 KVA steam plant is also planned. Hydro-electric sources conceivably could supply all power requirements for years, eliminating the import of fuels but transmission costs would be high. Total present annual production is some 100 million kw hrs or about 12 kw hrs per capita compared to 5000 in the U. S. Northwest, 2500 in the U. S. East and 2,750 for the national average.

Roads in Ceylon are remarkably good. There are 10,000 motorcycles, 55,000 cars and 23,000 buses and lorries licensed. An active automobile association is a real stimulus to improved motor transport and the provision of clean, attractive and reasonable government-operated resthouses.

The license number is interesting. Numbers are usually large in silver on black and stay with the vehicle during its lifetime. They consist of two letters and four digits, beginning with CE, then CY, CL, and CN from "Ceylon", letter "O" not being used because of similarity to zero. Next came EE, EY, EL, and EN, the last named being current.

Traffic police are impressive, courteous and effective. Law enforcement is generally effective as offenders are usually quickly apprehended. In spite of this, Ceylon is reported to have the highest homicide rate in the world, 466 homicides in 1955 and exceeded by 549 suicides. There is a death penalty but death sentences are commuted.

Railroads are quite good and also the competing buses. One can travel almost anywhere by public transporta-

tion. Steam and diesel locomotives are used but the drought may curtail steam operations. The USA is giving them 20 diesel-powered passenger cars to haul an additional car in Colombo suburban and other short haul traffic.

Taxis, "quickshaws" (small autos) and rickshaws provide public transportation in cities. Private transportation ranges from Rolls Royces and Cadillacs to bicycles. Horses are scarce and generally found at race tracks—fine ones, too. Racing—horse and car—is a popular sport, as are cricket, tennis, rugby, track, etc. This is a land of amazing contrasts—everything but Coca Cola!

We come now to education. A real effort is made to educate the masses despite the language difficulty. Many private schools and colleges of all sorts supplement the public schools.



University of Ceylon  
Science and Engineering in Colombo  
Whole University will ultimately be in  
Peradeniya

The co-educational University of Ceylon is the foremost institution and ultimately (if money can be found) will have a veritable "Hollywood" plant at Peradeniya, in the hill country 65 miles from Colombo. Part of it is there now in ancient Kandyan architecture but the modern replicas do not appear as permanent as the originals. Science, engineering, and medicine

are still in Colombo. Total registration is about 2500.

Formerly engineering instruction was offered by the Ceylon Technical College in Colombo and students "sat" for University of London bachelor degrees by taking external examinations at the latter institution. Graduate study was done abroad, mostly in England. London discontinued this arrangement in 1911 and the "Faculty of Engineering" of the University of Ceylon was created to offer instruction and grant degrees in Civil, Electrical and Mechanical Engineering. They use the former medical buildings for class rooms and the laboratories of the Technical College. This is a real handicap because of lack of space and the three and a half miles of bad traffic which separates the two facilities. The faculty is competent and concentrated to doing the best possible job, turning out some very capable graduates. Faculty numbers about twenty and students about one hundred. Consolidation at Peradeniya should improve the situation though some faculty members feel the Engineering School should remain in Colombo where there are contacts with government agencies and industry. The USA has put up \$400,000 for the Peradeniya plant which will have to be temporary (prefabs) since the permanent plant is estimated to cost Rs. 14.5 million (\$3 million).

Ceylon is truly a land of promise, potential and contrast. Strong intelligent leadership can make it a great country—a veritable Eden of Asia. The engineer must play an equally important role with the politician if this is to be realized. It is a terrific challenge to the engineer; he must not fail!

## The Grand Regent Says

This message is written as our nation goes to the polls to decide on the selection of Federal and State leaders in the years to come. In this same period my own thoughts are largely directed to the planning of the 21st Biennial Convention. Out of this background comes this question—"Who makes the decisions in our Fraternity?"

I am impressed as never before that it is you in the active chapters who make the decisions in Theta Tau. You decide who will join with us in membership—to take a share in that special responsibility we have for advancing the profession of engineering. You decide how, on your campus, you will put your coordinated efforts to the programs and activities that will strengthen your school. And right now you are deciding who will be your delegates to the convention where the government of our Fraternity resides.

By the time this message appears in print you will have chosen your convention delegate. He will carry to the convention your collective feelings and decisions on many matters. At the convention he will join with the other chapter and alumni delegates and the Executive Council, in making decisions of importance in the next biennium and for years to come.

Upon his return it will be your delegate's responsibility to inform you of these decisions and to assist in any related decisions locally and courses of



action. As each chapter takes such actions it should use the full strength of its whole membership both active and alumni, and through the adviser of each chapter, secure the cooperation of the school faculty.

I conclude this final message in the present biennium with this thought. It is up to you in the active chapters, you who make the decisions, to carry them out with energy and perseverance. May your efforts have rich rewards for each of you and for our profession.

In H & T,

A. Dexter Hinckley  
Grand Regent

## J. R. Van Pelt, Beta '23, Resigns Presidency of Montana School of Mines



In June, Dr. J. Robert Van Pelt requested that the Montana State Board of Education relieve him of his duties as president of Montana School of Mines so that he might assume the duties of the presidency of Michigan College of Mining and Technology at Houghton.

Dr. Van Pelt's resignation became effective September 15, and he assumed his new duties on October 15,

succeeding Dr. Grover D. Dillman, who is retiring.

Dr. Van Pelt, besides degrees from Michigan Tech, holds degrees from Cornell College, and has done graduate work at Chicago, Harvard, Columbia and the University of Iowa. He is a former technical director of the Museum of Science and Industry at Chicago, and came to Butte from Columbus, Ohio, where he had been

a mining engineer and research executive.

He has been president of Montana School of Mines since April, 1951.

Dr. Van Pelt is a native of Denver, born April 2, 1896. In 1942 his alma mater, Cornell College, awarded him an honorary Ph.D. degree.

He served in the Army during World War I, advancing from private to second lieutenant in the field artillery. Following his tour of duty he attended Michigan College of Mining and Technology, where he received degrees of bachelor of science and engineering of mines in 1922. He was a graduate student in economic geology, University of Chicago, 1926-28, and a graduate student in special summer courses, mainly field geology, at the University of Iowa, Columbia University and Harvard University.

From 1922 to 1926 he was successive instructor, assistant professor and professor of geology, Cornell College in Iowa. He also served as executive secretary of the college and as a member of the administrative committee. While at Cornell, he was responsible for the design of a new geology building which became known for several innovations in laboratory arrangements and equipment.

Dr. Van Pelt was curator of geology, mining and metallurgy; assistant director and technical director from 1928 to 1945 at the Museum of Science and Industry in Chicago. During his last 15 years he directed a staff of scientists and engineers who designed exhibit sequences and educational programs covering every branch of natural science and engineering. Before he left in 1945, most of the museum's plans had become a reality, thereby creating the first great

educational institution of its type in the United States, and the largest under one roof, with nearly 3,000,000 visitors a year.

Dr. Van Pelt went to Columbus, Ohio in 1945 as chairman of the committee on publications and director of the Research Education Division, Battelle Memorial Institute. Battelle is the world's largest independent research organization, with a present staff of 2,300. His responsibilities were to organize the in-service educational program for the staff, to administer Battelle graduate fellowships in cooperating universities, and to supervise the publication and public relations programs of the institute.

It was in 1951 that Dr. Van Pelt left Columbus to assume the presidency of Montana School of Mines. His appointment was made under the governorship of John W. Bonner.

Dr. Van Pelt's career at the School of Mines has seen him in demand not only as an educator, but as an engineer and consultant. In 1953-54, he was chairman of the Secretary of the Interior's committee on organization and management of the United States Geological Survey. Since 1951 he has been a member of the Montana delegation to the Western Interstate Commission for Higher Education, and from 1952 to the present he has been a representative of the Montana governor on the Western Governor's Mining Advisory Council.

Dr. Van Pelt is a life member of the American Institute of Mining, Metallurgical and Petroleum Engineers, of which he served as a director from 1941 to 1947, and vice-president from 1944 to 1947. Last December 16 he was elected chairman of the Montana Section. He presently serves

with the national organization as an ex-officio officer, being chairman of the mining industries education division.

In 1936 he was elected president of the Western Society of Engineers, Chicago. He also is a member of the council of the American Association for the Advancement of Science and has served as chairman of the Mineral Technology Division of the American Society for Engineering Education. For many years he has been active in the American branch of the Newcomen Society. He also is a trustee of Cornell College, Iowa.

During World War II, Dr. Van Pelt served in the War Department as a consultant on technical personnel. From 1935 to 1943 he served two terms as a member of the Washington Award Commission.

Active as he has been in engineering and scientific education, Dr. Van Pelt has found time to serve as vice-president of the Board of Managers of the Columbus (Ohio) Gallery of Fine Arts, as a member of the governing board of the Butte Civic Concert Orchestra, and to enjoy his favorite sports, hunting and skiing.

## A. J. Pepin Promoted



From Worcester, Massachusetts comes the news that A. Joseph Pepin, Beta '32, has been named manager of sales, Worcester Division, Wyman-Gordon Company, effective July 1, 1956.

Brother Pepin has been an employee of the Wyman-Gordon Company

since 1934 when he joined the staff of the Ingalls-Shepard Division in Harvey, Illinois. In 1939, he went to Worcester as chief metallurgist. He is one of the Wyman-Gordon technicians who developed processes that resulted in the first successful forging of jet engine compressor wheels out of titanium, resulting in stronger, lighter jet engines without horse-power loss. He has served Wyman-Gordon as quality and research engineer; manager of quality and research; and more recently as assistant manager of sales.

Graduating from Michigan Tech in 1932, Brother Pepin also holds degrees from the University of Michigan and the Harvard Graduate School of Business Administration. He is a member of the American Society for Metals and the Society of Automotive Engineers.

The Pepin family, which includes four children, makes its home in West Boylston, Mass.

Michigan Alumni News



## Minutes of an Omicron Chapter Meeting

by LAVERNE FLAGEL, '56

'Twas the night of Theta Tau, when at 7:34, not a member was stirring, not even Brother Ulch. The brothers all watching Regent Calvert with care, as the ringing of the gavel crashed through the dry air.

Brother Brewer in his bow tie and Gus with his grin, went in search of the good word, presumably present within. They found that all knew it, surprisingly enough, and even Brother Gibson showed them his stuff.

Chapter II, part B, was next on the docket, Brother Brewer from the good book doing his best not to knock it. 'Twas read John's other wife's other husband's other friend was like Brother Walt's car, for he got it in the end.

The treasurer's report was neat and he game, for he thought that this time, the scribe of great fame, would accept his sad story and bring him no shame. Alas and alack he was showing his rank, when he said that we had \$1,142.24 in the bank. A fiendish old grin came this time, when he said our slush fund was doing just fine.

Now all through the room resounded a clatter, I sprang from my seat to see what was the matter, and there on the floor Brother Brown blushing sat, it seems he had slipped and fell on his portable ouiji board.

Pledge master Jim Brady then made

it so clear, that the pre-pledge coffee hour soon would be here. And if on the 21st, on coffee and cookies you will dine, our shining young treasurer you will not fine.

The Athletic chairman, a right jolly old jock, athletic prowess, at a lack of, he's not. He spoke of fencing, and swimming as new, but lancers we're not, and as swimmers, we're slew. Announced was a shooting match with some confederate rebels (Delta Beta chapter), I can't find anything to rhyme with this, ah, who'da think I am, Georgie Goebels?

Old business was commenced with, dispensed with, and then, Homecoming honors were passed out by Ulch, reporting that no support had left him dry gulched.

New business then prospered, party party and such. A motion by Everingham for curtain at seven, was KRD by all, surely we're going to heaven. The candlesticks for Jerry, our newest bridegroom, the poor mixed up kid, really signed his doom.

A Christmas party was next in the air, Jerry, Gus, Keith and Jim in charge of the affair.

So dunk away, dunk away, cracker eaters us all, for the end of another nite, Brother Calvert does call.

/s/ LaVerne Flagel  
Scribe, Omicron

## William Cravens Wins Upsilon Award

William Cravens, Upsilon '56, Regent 1955-56, was named as recipient of the annual Theta Tau Award for outstanding scholarship and leadership on this campus. A graduating senior in industrial engineering, Bill has been named to Who's Who this spring. He

has served on the "Engine" Council, the Student Senate, and the Arkansas Engineer. He has served as the Secretary of Blue Key, a national leadership society, and is now president. He has also devoted much of his time to the Civic Club.

## Zeta Alumni Elected to Tau Beta Pi

Tau Beta Pi national honorary engineering fraternity held its 1956 national convention on the KU campus. Six Zeta alumni were elected to be initiated as honorary members. Those elected were: Theodore J. Cambern, '25, of Howard, Tammen, and Bergendoff, Kansas City, Mo.; George Feil, '28, Corps of Engineers, Kansas

City, Mo.; O. K. Johnson, '26, O. K. Johnson Electric Construction Co., Topeka, Kansas; George H. Larson, '39, Chairman, Dept. of Agricultural Engineering, Kansas State College, Manhattan; A. Gail May, '38, of Lutz and May, Kansas City; and W. H. Shears, Jr., '41, a Hutchinson Contractor.

### W. B. Andrews Heads Own Company



Worth (Dutch) Briggs Andrews, Beta '06, long associated with the development of oil and mining properties in the Southwest, is sole owner of Worth B. Andrews Company, with headquarters in San Antonio, Texas, where he resides. There are two sons, Worth B. Jr. and Robert U., both of whom work in San Antonio.

*Michigan Alumni News*

### Col. De Vaney Goes to Turkey



Lt. Col. Carl N. DeVaney was graduated from the Army War College at Carlisle Barracks, Pa. June 14th. Brother DeVaney was one of 200 senior officers completing a ten-month course at the Army's highest educational institution. He has received orders assigning him to Turkey. Brother DeVaney holds the Purple Heart and the Commendation Ribbon.

## Al Smith Selected KU Drum Major

The most striking single person at KU football games this season is Brother Al Smith prancing across the field leading KU's marching band. After two years of sliding the trombone, Al entered competition for the drum major position, left open by graduation and injury, and in grand Theta Tau style he came out on top. And, from all comments we've heard, Al is one of the fanciest, highest-steppers we've had in quite a while.

Brother Smith is a Lawrence Civil Engineer transplanted from Topeka. Although carrying a Civil Engineering load, he still finds time for a lion's share of extracurricular activities. Al is active in the Army ROTC program, and the Society of American Military Engineers, is a member of the student chapter of the American Society of Civil Engineers, is Associate Editor of the *Kansas Engineer*, and is the representative of professional fraternities on the All Student Council.

Zeta Chapter has also felt the impact of Brother Smith. First, as vice-



president of his pledge class, next as pledge trainer, and presently as chapter scribe. Brother Smith has already compiled an enviable record, and he's still going strong.

## This Engineer Did Everything Else

Ernest R. Graham, Beta '07, has been miner, farmer, warrior, dairy farmer, and politician. A resident of Hialeah, Brother Graham first went to Florida to take charge of a cane-growing project, launched in 1921 by the Pennsylvania Sugar Company. He remained to establish his own prosperous farm and dairy, to run for governor (he lost), to serve for eight years as state senator, and to play a prominent role in the affairs of Dade County. On his seventieth birthday in

1955, some 500 friends, some of whom once had been termed his foes, gathered from various parts of the country to honor him. Of his family, one son, Phillip, is publisher of the *Washington Post and Times Herald*; William is associated with his father as vice president of the Graham Dairy; his daughter, Mary, is married; and the youngest son, Bob, is a student at the University of Florida. There are ten grandchildren.

Michigan Alumni News

## Tau Beta Pi National Convention at K.U.

Tau Beta Pi's 51st national Convention was held at the University of Kansas, Lawrence, Kansas on October 10, 11, 12, and 13, 1956. The Kansas Alpha chapter at the University of Kansas was official host, and all but three of the Association's 99 collegiate chapters were represented at the session. The Convention was also attended by Tau Beta Pi's national officers headed by President Harold M. King, retired General Electric Company turbine engineer, of Swampscott, Massachusetts.

The Convention, headquartered at Kansas University's Memorial Union, consisted of four business meetings, several specially arranged discussion periods, and a banquet program of particular interest. Arrangements for the national meeting were under the direction of Mr. James C. Remsberg, president of the host chapter, and Dean T. DeWitt Carr, head of the School of Engineering and Architecture at the University of Kansas. Mr. Paul H. Robbins, executive director of the National Society of Professional Engineers, Washington, D. C., and Tau Beta Pi's Director of Fellowships, served as chairman of the Convention business meetings.

Following a pattern of long standing, a proposal to admit women to membership in Tau Beta Pi was again offered at the 1956 Convention. The national meeting accepted the proposal for the third time in recent years, although its action is subject to ratification by the student members of the Association's 99 chapters. On the two previous occasions the proposal failed of ratification. If it should fail again, the chapters will still be empowered to award special Women's

Badges to girls who meet the same scholarship and character qualifications required of men for membership. Over the past 22 years, 208 women have been so honored, by 62 different chapters.

The Convention voted to hold the 1957 national meeting in October at the University of Wisconsin and Marquette University. A joint invitation from the Wisconsin Alpha and Beta chapters at those institutions was accepted, and next year's Convention will meet first at the University of Wisconsin in Madison, then move to Milwaukee for its last two days.

Valuable features of Tau Beta Pi Conventions are the chapter-work discussions and the exhibits at which ideas for school and community service projects and chapter administration are exchanged by the delegates, most of whom are presidents of their local groups. This year's discussions in that field were again led by students under the general direction of Dr. M. E. Van Valkenberg of the University of Illinois, Chapter Coordinator for the Association.

Tau Beta Pi's present Executive Council, or board of directors, includes five alumni members who live in or near Boston, Mass. In addition to President King, the Council includes Vice President Walter C. Voss, consulting engineer and retired head of the building engineering and construction department at M. I. T., Dr. Lawrence W. Bass of the executive staff of A. D. Little, Inc., Dr. Carl F. Muckenhoupt, chief scientist of the First Naval District, and Dr. Herbert K. Brown, mathematical research specialist with the Avco Corporation.

## Brother Schrader Honored

At the April meeting of the Nevada Section of the American Institute of Mining, Metallurgical and Petroleum Engineers, Erich J. Schrader, founder of Theta Tau, was presented with the insignia of the Legion of Honor for his 50 years of membership in the AIME. The presentation was made by Carl E. Reistle, Jr., national president of the AIME, who made the trip to Reno to make the award. Brother Schrader has been active in the mining profession and in the American Institute of Mining, Metallurgical and Petroleum Engineers for more than 50 years.



## J. E. Allen Becomes Professor of Geology

John Eliot Allen has been appointed professor of geology at Portland State College, which was established in 1955 as a separate degree-granting institution within the Oregon state system of higher education. It has an enrollment of over 3,000 students.

Allen has been economic geologist on the staff of the New Mexico Bureau of Mines and Mineral Resources since 1952; he came to Socorro in 1949 as professor of geology and head of the department of geology of the New Mexico School of Mines.

After graduating from the University of Oregon in 1931, Allen received the M.S. degree from the same institution in 1932, and the Ph.D. degree from the University of California in 1944. From 1938 to 1947 he served as field geologist and chief geologist for the Oregon Department of Geology and Mineral Indus-

tries. In 1947 he accepted appointment as associate professor of geology and director of the Mineral Industries Summer Camp at the Pennsylvania State College.

In 1949 Allen was invited by the State Bureau of Mines to supervise a survey of the mineral resources of the Navajo Reservation in New Mexico for the Bureau of Indian Affairs. The results of this survey have appeared in Bureau of Mines publications.

Allen is a fellow of the Geological Society of America, and a member of the American Institute of Mining and Metallurgical Engineers, the American Association of Petroleum Geologists, and other technical and social organizations. He has published numerous bulletins and papers on areal geology in the Northwest, and on chromite, manganese, limestone, and perlite in Oregon.

## Regional Conference at Omicron Last April

The Region 2 Conference met at Iowa City on Saturday, April 7. Alpha was represented by Regent Tschida and Brothers Hallberg, White, Elleby, Vatland, and Frigaard; Beta by Regent Post and Phelan, Dick, and Mitchell; Iota by Brothers Meyer and Edmonds; Upsilon by Brothers McKinney, Burnett, Palmer, and Taylor; Xi by Regent Kjell and Brothers Ansell, Kitchen, Makela, Lueck; and Zeta was represented by Regent Franklin and Brothers Dealy and Pope. Regent Hansel of Omicron, with fourteen brothers, served as hosts.

Registration began at 9:00 a.m. in the University Library in Iowa City. Registrants were not required to satisfy the credentials committee due to the fact that the Conference was open to pledges, thereby being only an informal meeting of the regional chapters.

There seemed to be a unanimous feeling that the conference was very worth while. In addition to making many new friends, the representatives obtained ideas at the conference which should serve as a stimulant back in the individual chapters.

The conference was duly opened at 1:00 p.m. by Regent George Hansel of Omicron Chapter following an invocation and welcome at a noon luncheon in the Iowa Memorial Union. Guests of honor were introduced as follows:

Grand Treasurer and Co-

Editor of THE GEAR P. L. Mercer

Co-Editor of THE GEAR J. W. Howe

Omicron Chapter

Adviser

D. E. Metzler

The regents from each of the visiting chapters were introduced followed by

the delegates from each respective chapter. Brother Hansel reviewed the purposes set forth by the National Headquarters of the Regional Convention and outlined the procedure to be used during the meeting. A talk on each of the subjects was given by a host chapter delegate followed by discussion of the subject by each chapter. Viewpoints and new ideas were discussed by all seven chapters. Brother D. E. Metzler acted as moderator for the discussions. The subjects that were discussed are listed:

Topic	Leader
1. Financing the House	Robert Hornback
2. House Meals	Lennie Paustian
3. House Lodging Problems	Pete Peropoulos
4. Initiation Problems	Dave Zimmer
5. Pledging Procedures	William Stein
6. Chapter Stature	James Kaster
7. Schrader Award	Kenneth Campbell
8. Professional Development	Larry Focht
9. Membership Selection	Jerry Hulman

Following the afternoon discussions a dinner was held at which Brothers Mercer and Howe gave short talks.

On Sunday morning a session of the official delegates was held to discuss immediate problems and questions. Brother George Hansel presided over the meeting. A problem of publicity which leads to difficulty in obtaining new initiates was discussed by Xi Chapter. Apparently, chapters without houses have the greatest problem in this respect. One Chapter pointed out that a personal phone call

to prospective pledges is very helpful. Formal initiation problems were discussed in connection with the discussion of the previous afternoon. A poll of the chapters relative to the use of robes for the ceremony was taken from which it was learned that Alpha had robes for all officers, Beta for five, and Zeta for four officers.

A question arose as to the desirability of memorizing the ritual for the formal initiation ceremony. The general reply was that most of the ritual is read, but the important passages are memorized to facilitate movement during the ceremony and also to overcome poor lighting. Very little practice is done prior to the actual ceremony.



Die-hards stay after Omicron Regional Conference ends

The closing remark for the meeting was made by Brother Mercer. He expressed the thanks of the group to the committees who had helped make the conference a success.

## Past Grand Regent Curtis Hospitalized

THE GEAR is sorry to report that Past Grand Regent Donald D. Curtis has been forced to give up his active life as head of Mechanics at Clemson College because of the recurrence of a localized tubercular infection. Brother Curtis is making satisfactory progress in a sanitarium and it is hoped that he will be able to return to his regular work in the spring. If he is unable to attend the 21st biennial convention in Columbus this year it will be the first one he has missed since he received a telegram from the convention in session at Columbus, in 1925 asking him to edit the GEAR. He undertook this work, as well as that of producing the 14th general directory and in 1927 was elected Grand Marshall. He held this position until 1948 when he became Grand Vice Regent. In the following biennium he was elected



Grand Regent of the fraternity. The many friends he has made in Theta Tau in his 30 years of service to the fraternity wish him God speed in overcoming his present ailment.

## Omega Parades "Presley" Pup!



Omega's "Hound Dog" wins honorable mention in parade

Honorable mention was given the Theta Tau float in the annual "M" Day at South Dakota School of Mines and Technology early in October. Certainly one of the most timely floats in the "M" Day parade, the Theta Tau entry depicted the "Hound Dog"

from the recent recording of Elvis Presley, "You Ain't Nothin' But a Hound Dog", with a recording of the song being played while the float was carried through the streets of Rapid City.

## Leo F. Duggan, Beta Adviser, Receives Honorary Degree

Michigan Tech conferred an honorary degree this year on Leo F. Duggan, dean of students. Presenting Dean Duggan for the honorary degree of Doctor of Engineering, Judge Joseph M. Donnelly, a member of the Board of Control, cited him for being "a factor in the growth and strengthening of the College through the greatest era of its expansion. Indeed, the accomplishments of this institution are in substantial measure his also. He has been a friend of students, a coun-

sellor and advisor of wisdom and maturity."

Dr. Dillman, who conferred the degree, stated: "... Your integrity and loyalty to the ideals of education merit the highest consideration. . . . You have distinguished yourself in an outstanding way through service to your colleagues and to the thousands of students whose careers you have influenced for the better. . . ."

*Michigan Alumni News*



## Theta Tau Wives Organization at Omicron Chapter



Omicron Wives at Work

Omicron Chapter, State University of Iowa, has a helpful hand, a hand that has no direct bearing on the chapter, but one which indirectly affects it quite a bit. This hand is an auxiliary organization known as Theta Tau Wives.

Theta Tau Wives is a result, not a cause, of Omicron's not having a chapter house on campus. It is generally known that those chapters with houses find themselves with a membership made up of single men, most of whom want to reside in the chapter house. Those chapters without a house soon discover that they have a membership made up of both single and married men. Such is the case at Omicron.

Theta Tau Wives is a very active organization on the Iowa U. campus. It has a membership of thirty girls. The only qualifications for membership are: (1) That you have a husband who is an active Theta Tau, (2) That

you desire to meet other wives who have similar interests (mainly that of getting hubby through school), and (3) That you have an interest in doing what you can to help the Theta Tau fraternity.

And if there ever was a group of women with a common interest, it's this group. They meet once a month, and according to a very good source, their conversation runs along the lines of:

- (a) boy, was that Thermo test a hard one!
- (b) that darned Professor so-and-so . . . .
- (c) you think they'll get the Homecoming Monument done in time?
- (d) and Dean Dawson said the other day, " . . . . ."
- (e) has your husband accepted any interviews yet?
- (f) when does Joe graduate?

Formed in the fall of 1952, they

have had a very successful existence. They have helped Omicron Chapter by doing such things as making and serving coffee, cakes, and cookies at pre-pledge teas, bringing coffee down to the gang working on the Homecoming float, and typing for the Chapter. They have indicated an interest in the new Omicron Newsletter that the chapter is starting to publish and are willing to help with this.

The organization meets once each month, starting in September and ending in May each year. They have a co-hostess system whereby there are two new co-hostesses each month, one fur-

nishing the home and serving the coffee, the other bringing the desert to be served. The first part of the evenings is usually spent playing bridge and the latter part in a discussion (?) period!

The men of Omicron Chapter are very proud to have such an organization associated with them and they feel that many other chapters would benefit from a similar circumstance.

Any chapters desiring further information of a Theta Tau Wives organization may write to the president of the Omicron Theta Tau Wives, Mrs. James Kaster, 3 Park Avenue, Iowa City, Iowa.

## W. G. Sweeney Retires



Wilfred G. Sweeney, Beta '06, was employed in the mining fields of the Southwest for many years before moving to Long Beach, California around 1937. During the war years he was an engineer inspector for the Long Beach Harbor. Most of his time since retirement has been devoted to his invalid wife.

Michigan Alumni News

## James Rose Receives Commission



James L. Rose, Zeta '56, received a reserve commission as a second lieutenant in the artillery after his graduation from the University of Kansas August 4th. The commission will mark his completion of the University's four-year ROTC program.

## Progress Keynotes Biennial Meeting of the Professional Interfraternity Conference



The 1956-57 Officers of the Professional Interfraternity Conference: Seated, left to right: President Elect Frank Eby, Kappa Psi; Past President Walton Van Winkle, Alpha Kappa Kappa; President Edward L. Scheufler, Delta Theta Phi; and Vice President Adolor Petit, Phi Delta Phi; Standing, left to right: Treasurer S. G. Applegate, Delta Sigma Delta; Secretary J. D. Thomson, Delta Sigma Pi; Director C. H. William Ruhe, Phi Rho Sigma; and Past President Russell Glass, Theta Tau. Also a Director, but not pictured is Ben P. Davidson, Alpha Omega.

The Sheraton Hotel on the near north side of Chicago was the scene of the Biennial Meeting of The Professional Interfraternity Conference held on April 7, 1956. Following a meeting of the Executive Committee of the Conference on Friday evening, 51 delegates, representing 23 professional fraternities, gathered in the Tally-Ho Room of the Sheraton Hotel on Saturday morning for a full day of reports, panel discussions, business sessions, and banquets.

Opening the meeting at 9:30 a.m. was President Walton Van Winkle, M.D., (Alpha Kappa Kappa), who read his report to the Conference.

Reports by J. D. Thomson, (Delta Sigma Pi), and S. G. Applegate, D.D.S., (Delta Sigma Delta), secretary and treasurer of the Conference respectively, followed. A very thought provoking report was then presented by Rand P. Hollenbeck, (Phi Delta Chi), chairman of the Committee on Public Relations. Considerable discussion resulted from this paper and many ideas were advanced for improving the public relations of professional fraternities.

One of the highlights of the meeting was an address at the Luncheon by Mrs. Betty Hinckle Dunn, Vice-President of the Professional Pan-

hellenic Association. Mrs. Dunn chided the delegates good naturedly, while at the same time she informed them of the many projects being undertaken by her organization, the female counterpart of the Professional Interfraternity Conference.

Upon reconvening after lunch, the Conference heard the report of the Committee on Constitution, which report was presented by Adelor J. Petit, (Phi Delta Phi). The completely revised Constitution received much attention from the delegates before final adoption. The new Constitution provides for the recognition and the support of local campus professional interfraternity councils; greater continuity to the Conference's representation on the Interfraternity Research and Advisory Council; and for increased dues which will enable the Conference to expand its activities. It is felt that the adoption of this new Constitution is a bold forward step and will result in a much stronger and more active Conference.

A panel on Interfraternity Councils was led by Russell Glass, (Theta Tau). During this panel, Ray M. Tucket, representing the Professional Interfraternity Council at the University of Minnesota, was introduced as a guest. Many of the delegates expressed a sincere interest in the work being done at Minnesota, and Ray Tucket was questioned profusely along these lines.

The final panel of the afternoon was one on Discrimination, which was conducted by Walton Van Winkle,

(Alpha Kappa Kappa). The University of Colorado situation was discussed briefly as was the entire broad subject.

The report of the Auditing Committee was given by C. D. Spangler, (Alpha Kappa Psi), its chairman, followed by that of the Resolutions Committee presented by Frank M. Amaturo, (Delta Sigma Delta), its chairman. Concluding the business of the day was the presentation of a slate of Officers by the Nominating Committee headed by H. H. Hopkins, (Theta Tau).

Elected to office in the Professional Interfraternity Conference for the next two years were: Edward L. Scheufler, (Delta Theta Phi), president; Frank H. Eby, (Kappa Psi), president-elect; Adelor J. Petit (Phi Delta Phi), vice-president; J. D. Thomson, (Delta Sigma Psi), secretary; S. G. Applegate, (Delta Sigma Delta), treasurer; and Russell Glass, (Theta Tau), Walton Van Winkle, (Alpha Kappa Kappa), Ben P. Davidson, (Alpha Omega), and C. H. William Ruhe, (Phi Rho Sigma), as directors.

The program was concluded by a banquet at which the new officers were sworn into office by Russell Glass, (Theta Tau). Other features at the banquet were the presentation of a testimonial to retiring president Walton Van Winkle, (Alpha Kappa Kappa), and an address by him on the activities of the Interfraternity Research and Advisory Council.

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Anyone who thinks he is indispensable should stick his finger in a bowl of water and notice the hole it makes when he pulls it out.

—And then there is the story about the professor who got a bottle of wine for his wife, and the neighbors thought he got a pretty good trade.

## Decry Shortage of US Technicians at Dinner Honoring Felix E. Wormser



(L. to R.): Frank Ayer, Engineering alumni president; Admiral Lewis Strauss, AEC chairman; John Dunning, Engineering dean; Felix Wormser, Asst. US Secy. of Interior, '16 Egleston medalist; Donald Quarles, Air Force Secy., and Douglas McKay, US Secy. of Interior

The current and critical shortage of engineers and scientists in the United States was discussed by four of the nation's top government officials at the annual Egleston Dinner held last month at New York's Waldorf-Astoria Hotel. Honoring Felix E. Wormser, Theta '16, Assistant US Secretary of the Interior, with the 1916 Egleston medal for achievement in engineering, the affair featured talks by Brother Wormser, Admiral Lewis L. Strauss, chairman of the US Atomic Energy Commission; Donald A. Quarles, Secretary of the US Air Force; Douglas McKay, then US Secretary of the Interior; and John R. Dunning, dean of the School of Engineering.

Most of the speakers agreed that the current US deficit in engineers is, in part, the fault of our secondary educational system. Admiral Strauss charged that in the high schools "there exists and grows a de-emphasis on science and mathematics, largely for want of qualified teachers. And that want is attributable fairly directly to the inadequate compensation offered to attract such teachers." The result, he said, "has been in too many cases that instructors in other fields such as music and athletics have been pressed into duty as teachers of science without background or interest and in a great number of schools the subjects have simply disappeared from the curriculum altogether."

According to Admiral Strauss, colleges ought to make science entrance requirements more stringent in order to improve scientific instruction in secondary schools. He pointed out that "authorities in every state, city and town want their young people qualified for admission to college. If school boards have to provide instruction of a certain standard to insure this they will provide it—they will find the funds at the level of local taxation to pay a proper wage to get the proper teachers," he added.

Agreeing with Admiral Strauss' remarks on secondary education, Secretary of the Air Force Quarles said, "we have to be realistic and face the facts. The technological race is a race for survival." He added that Russia has concentrated a large part of her "technical and industrial effort on the development and production of the most advanced instruments of war, particularly those related to air-atomic power."

Dean Dunning, who spoke in place of Senator Clinton P. Anderson, chairman of the Joint Congressional Committee on Atomic Energy, said that in general, the budding young scientist is looked upon as an oddity rather than a person of prestige. Modern secondary school education, he added, had "been pointing toward average and in some cases toward the sub-average." The net effect is to discourage talented students at an early age from pursuing a scientific career.

Douglas McKay, lately resigned as

US Secretary of the Interior, compared the governmental support of education in Russia to that in the United States. Claiming that the Russians placed education "ahead of everything else," he added that "the incentives offered to those who can master the scientific disciplines are great. The trained scientist lives and works in an atmosphere of esteem. No cost is spared in placing the best in facilities at his disposal."

Contrasting the American situation, he said that here "teaching is scarcely a noble profession, judged by our salary scales, and American scientists and engineers, as a whole, often do not command the respect they deserve."

Mr. McKay also emphasized the need for civil engineers to design and construct dams, electrical engineers to make the best use of the power produced, and for skilled geologists, geophysicists, mining engineers, and metallurgists to develop our mineral resources. He said the government "must recognize the fact that public service today does not promise the same level of remuneration that is to be found in private industry."

Frank A. Ayer, president of the Engineering alumni association, presented Mr. Wormser with this year's Egleson award before some 380 alumni and guests.

Dr. Lyman Bryson, professor emeritus of Teachers College, presided over the meeting.

Columbia Alumni News

A distracted leopard sought the advice of a prominent psychoanalyst. "Every time I look at my wife," complained the leopard, "I see spots before my eyes."

"What do you expect?" scoffed the psychoanalyst. "You're a leopard, aren't you?"

"Sure," conceded the leopard. "But I'm married to a zebra!"

## John M. Trissal Succeeds Mottier as Chief Engineer of Illinois Central

John M. Trissal, Kappa '25, is the new chief engineer of the Illinois Central Railroad. His appointment was announced by Charles H. Mottier who was vice president and chief engineer and who continues as vice-president in charge of engineering.

Brother Trissal was born in Chicago and graduated from Parker High School. As soon as he got out of the University he joined the I. C., as a draftsman. He advanced through various posts until in 1950 he became assistant chief engineer.

He is active in various engineering societies and in 1945-46 he was chairman of the Electrical section of the Association of American Railroads. He is a Zeta Psi. The Trissals have two daughters and live in Flossmoor,



a suburb of Chicago—on the I. C., of course.

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## Fred Kennedy Vice President

Fred Kennedy Houston, Beta '06, vice president of the Ralph M. Parsons Company of Los Angeles, is involved in petroleum engineering construction, atomic energy work, oil drilling, and geological investigations in many parts of the world. The Houstons make their home in Monrovia, Calif.



Michigan Alumni News

## New San Francisco College Campus Building Named in Honor of George Smith, Epsilon '11

A new building on the City College of San Francisco campus has been named George D. Smith Hall in honor of a prominent bay-area hotel man and a former Nevadan who once served in the state's official family as personal secretary to Gov. Emmet D. Boyle in 1915-16. Construction on the \$750,000 building was begun April 9, 1954.

Brother Smith, now president and general manager of the world famous Hotel Mark Hopkins, has long been one of America's outstanding hotel men. A native of Berkeley, Calif., and a graduate mining engineer of the University of California at Berkeley, he spent his early business years in Nevada working as a mine surveyor in Virginia City. In 1916, at the age of 27, Brother Smith was appointed head of the Nevada Industrial Commission, a post he held until 1922.

His hotel career began in 1922, when he moved to San Francisco and built the Canterbury Hotel on Sutter street, which he operated until 1927. In 1925, feeling there was a need for a modern, luxury hotel in San Francisco, he began construction of the Mark Hopkins, which he opened in 1926 and has operated as president and general manager up to the present time.

In 1929, Brother Smith acquired the controlling interest in the Fairmont Hotel and from 1929 to 1941 he served as general manager for both of the Nob Hill hostelrys. He sold the Fairmont in 1941.

Among other service and construction innovations, Brother Smith several years ago envisioned a glass walled

cocktail lounge on top of the Mark Hopkins and had such a room designed and built in 1939. The "Top of the Mark" has become internationally famous.

Always active in civic, state and hotel industry affairs, Brother Smith served as vice president of the Golden Gate International Exposition in 1939, is a former director of the San Francisco Chamber of Commerce, former president of the Downtown Association, a former president of the California State Hotel Assn., and at the present time is treasurer of the San Francisco Convention and Visitors' Bureau.

Community interest led Brother Smith to take an active part in the establishment of the hotel and restaurant department at San Francisco City College in 1936. He became chairman of the advisory committee and has held that post ever since, devoting 20 years to a closer unification of education and industry in the hotel business.

In recent years, Brother Smith has been assisted in the management of the Mark Hopkins by his son, K. Hart Smith. The younger Smith was a member of one of the first graduating classes in hotel administration.

Brother Smith and Mrs. Smith have made travel and hotels their hobby as well as their life work and have visited nearly every country in the world. Their permanent address is a tower apartment in the Mark Hopkins.



## The Zeta Regent Says

A commonly accepted theory of today is that when one completes his college education, then he can start thinking about being a leader in his field and a success in the business world. This fallacy in thinking is often found among our engineers in college and alumni.

Recently a group of prominent and successful alumni of Zeta Chapter was gathered for a meeting and from a discussion held, some rather important ideas were brought forth. These men attributed the initiation of their success to Theta Tau, for this was the group through which they were able to try their talents, show their initiative and drive, and have a taste of responsibility before blundering unrealistically into the business world.

But the point that was most impressive to me as an active member was that by and large the men who

are now outstanding in personal accomplishments were also outstanding in college.

Theta Tau has for many years controlled the activities of the "Engine" School and a good part of the University. With a small tightly-knit group based on a common bond and fraternal fellowship, Theta Tau has been able to do what several times their number can not or will not do. With leaders in every type of organization and activity, we have gained the reputation of being the most outstanding engineering group on the campus. Each member has had his opportunity to contribute to our success and, of course, his own success. How each one has used that opportunity varies with the individuals, but each man, I am sure, will attribute part of his present success to Theta Tau.

Bill Franklin, Regent

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## Dean McGee, Zeta '26, Makes "Time"

The president of Oklahoma's Kerr-McGee Oil Industries, Inc., Dean McGee, Zeta '26, was the subject of an article in the July 30 issue of *Time* magazine devoted to the company expansion into uranium and potash. Brother McGee, who received a Distinguished Service award from K.U. in 1951, first went to work for Phillips Petroleum and was its chief geologist by the time he was 30. He joined forces with Oklahoma's oilman-Senator Robert S. Kerr in 1937 and started successful drilling operations in the rich Gulf Coast zone in

Louisiana. The company was the first to bring in a big tidelands well—ten miles off Louisiana. It was the first company to decide, in 1951 that uranium was not a competitor to oil but a supplemental and profitable field. Next year it may become the nation's second biggest uranium producer. The company has an interest in a potash deposit which it plans to develop not only as a source of fertilizer but as a base for a new series of inorganic "super fuels" for space-traveling rocketships.

Kansas Alumni Magazine

## Receives James Douglas Medal



For outstanding contributions to non-ferrous metallurgy, Charles R. Kuzell, Delta '10, has been given the James Douglas Gold Medal by the American Institute of Mining, Metallurgical and Petroleum Engineers. He is vice president, Phelps Dodge Corp., Douglas, Ariz.

Brother Kuzell was elected to membership in the A.I.M.E. in 1912 and is currently a member of its board of directors. He has contributed many valuable papers to the organization and other publications. He has been granted many patents relating to reverberatory furnace construction and

related items. Kuzell is nationally recognized as an authority on non-ferrous metallurgy, labor relations and labor legislation.

The James Douglas Gold Medal is awarded annually for distinguished achievement in nonferrous metallurgy. Brother Kuzell was cited "for outstanding contributions to nonferrous metallurgy, particularly in the field of copper smelting; for inspiring and guiding young engineers and for notable service in his professional society."

After graduation, Brother Kuzell worked for the Anaconda Copper Mining Co. in Montana for eight years. He moved to Arizona in 1918 to join the United Verde Copper Co., Clarkdale. He was superintendent of that firm until 1935 when it was acquired by Phelps Dodge. He moved to Douglas in 1944 as a consulting metallurgist and director of labor relations. In 1946, he was promoted to assistant general manager, became general manager in 1952 and vice president in 1955.

In addition to the A.I.M.E., Brother Kuzell is a member of the American Society of Mechanical Engineers and American Mining Congress.

CASE ALUMNUS

## An Engineering Student Says — Join a Fraternity!

Our world is advancing by leaps and bounds; with this advance the training of an engineering student becomes more complex. All four years of his college curriculum are jam-packed with technical courses so that he may meet this advance head on.

But the changing role of the engineer in industry demands much more of the modern graduate!

Engineers, no longer the "test-tube pushers" or research men of the laboratory, take a new place in the front office as salesmen, teachers, and

executives. Positions such as these require much more than just technical training; the ability to meet and live with others is just as essential as is knowledge.

If this all-important ability cannot be taught in the limited time spent in college, it must somehow be developed in the student. Few are born with the facility for getting along with others; many more must develop this trait through constant practice. Supplementary training must be added before the student can say, "I am ready."

The fraternity offers the engineer this training—making it fun and automatic, as it must later be when he faces the world. Living in a closely-knit group, practicing manners constantly, and meeting and working with others on a common plane, the fraternity man develops the ability to get along with all types of people to a high degree.

Fraternities have been criticized for taking too much time, especially of the engineer who has so many problem courses to prepare for each day. In

contrast, consider the statement of the president of Southern Missionary College, Kenneth A. Wright:

"Regular work cultivates a sense of personal responsibility that shows up in the classroom. We have seen repeatedly that students who work are almost always at the top scholastically."

These words from the president of a college where 80 percent of its students work their way through school would seem to indicate that the old proverb, "If you want something done, ask the busiest person you know to do it," may be true.

Organization of one's time then is more important than the time itself. Using the time gained by efficient organization, the student engineer may develop the previously mentioned supplementary training through membership and participation in a fraternity. Doing so with an honest and sincere effort, he can prepare himself for a career as a modern engineer.

FRANCIS L. DUFFEE  
in the Signet of the  
Phi Sigma Kappa

## James Bay Completes Training

After being promoted to first lieutenant at Fort Belvoir, Va., James B. Bay (right) of Ontonagon, Mich., received the silver bar signifying his new rank from Maj. Gen. Louis W. Prentiss, commander of The Engineer Center. Brother Bay was a junior engineer for the Detroit Edison Co. before entering the Army in September 1954. He is a 1954 graduate of Michigan College of Mining and Technology.



James B. Bay (right) receives the silver bar signifying his new rank from Maj. Gen. Louis W. Prentiss.

## George Anderson Retires



George Andrew Anderson, Beta '06, received his practical experience in the mining camps of Montana, Idaho, South Dakota, and Michigan. He opened a consulting office in Detroit, then later moved west where he became a licensed mechanical engineer and land surveyor in California. Two World Wars saw him in service, first with the Corps of Engineers and in the last war with the Coast Guard. Retired now, he lives with his wife in Long Beach, California. His only daughter is married, and there is one grandson.

Michigan Alumni News

Tomorrow: Today's greatest labor-saving device.

Coed No. 1: "Gee, my dates are just pouring in."

Coed No. 2: "Yeah, so are mine, drip by drip."

G. E.: Where have you been?

M. E.: Over in the phone booth talking to my girl when some jerk came over and wanted to use the phone, so we had to get out.

"Any big men born around here?" asked the tourist in a condescending tone.

"Nope," replied the native. "Best we could do is babies. Different in the city I suppose."

A sign in front of a shoe repair shop pictured several styles of rubber heels and a beautiful girl who was saying "I'm in love with America's No. 1 heel." Underneath in small feminine

handwriting someone had added, "Too bad, sister, I married him."

Wife: "Do you realize that 25 years ago today we were engaged?"

Absent-Minded Professor: "Twenty-five years! Good heavens! You should have reminded me before. It's certainly time we got married!"

The teacher was explaining to the class the meaning of the word "recuperate." "Now, Tommy," she said to a small boy, "when your father has worked hard all day, he is tired and worn out, isn't he?"

"Yes, ma'am."

"Then, when night comes, and his work is over, what does he do?"

"That's what Mother wants to know," Tommy explained.

Up at Dartmouth, they swear that a crazy Freshman swallowed a bottle of gold paint and came home feeling guilty.

# Letters To the Editor

3222 Outer Drive  
Hibbing, Minnesota

Dear Sirs:

Enclosed is my new address. I am now working for the Hercules Powder Company as an explosive sales-service representative. So far am really getting a "bang" out of the work. I have run into quite a number of frat brothers up here on the Iron Range along with alumni of South Dakota Tech.

Yours in H & T,  
Lowery J. Smith  
Iota '45

Please wear a red handkerchief on your neck when you come to see us, Brother Smith.

1040 Park Lane  
Oakland 10, Calif.

Dear Sir:

I recently left the employ of Joseph T. Ryerson & Son to take a position with Pyromet Co., So. San Francisco as a metallurgist. Pyromet Co. does hydrogen brazing and other special atmosphere metal processing.

In the last few months I have seen the following Theta Tau (all Iota men): R. Kent Comann (now in Colorado Springs), Roger D. Mueller (in L. A. and just married December 11), R. Allen Crosby, (L. A.), and Thomas F. Burke (now in Saudi Arabia).

Yours in H & T,  
Robert Ray  
Iota '45

Thanks for the news of other Brothers. Keep your metal hot!

CINCNELM Staff, Box 5  
Navy #100, FPO  
New York, New York

Gentlemen:

I am now serving on the U.S. Naval Staff of Admiral Cassady in London, England as an Air Operations Officer. My family is with me and we find "most everything" to be quite delightful.

Yours in H & T,  
Kirk Bourret  
Epsilon '40

I say, old chap, it's nice to hear from you. Quite!

Box 106  
Curandó, Canal Zone

Dear Brother Howe:

Was surprised to learn that you hadn't received my current address. Must have mis-

fired in the rush of moving down to the Canal Zone.

Left the Washington Area last July and am based here. I work for the American Geodetic Survey which has projects in 17 South and Central American countries.

Will be interested in receiving the latest copy of THE GEAR.

Yours in H & T,  
Merrill R. Brown  
Gamma Beta '46

You are back on the list. We will keep it coming as long as the P. O. can find you.

Madison Street  
Lake Mills, Wis.

Dear Joe:

Thanks for thinking of me when sending out THE GEAR this spring. Sorry I have moved from Michigan City and am making my home in Lake Mills, Wis. while working for the above company.

After 15 years with Joy I decided to take on a new and greater responsibility with the above. It's a little different making milkers, storage tanks, pasteurizers, and the like for the dairy trade but have enjoyed the move which took place the first of the year.

I am located at Lake Mills, Wis. on Madison Street. It is about 20 miles east of Madison on the Madison Milwaukee Road (Route 30). Drop in if you come this way.

Yours in H & T,  
Martin B. Stiller  
Omicron '40

Nice to hear from you Martin. You're gradually working your way back to the homeland.

3022 Montana Ave.  
Cincinnati 11, Ohio

Dear Brothers:

I was just looking over an old issue of THE GEAR that I got while I was still in school and decided to fill out the address form in the hope that I might receive it regularly. Somehow my address must have been lost in the graduation shuffle so I haven't received any issues since I graduated. THE GEAR is an interesting publication and a good means of keeping up with all my brothers of Rho and other chapters. I am now working here in Evendale with the General Electric Aircraft Nuclear Propulsion Department. I would appreciate correspondence from any brothers in the Cincinnati area.

I hope I haven't waited too long to in-

form you of my address. I certainly do want to see THE GEAR as often as I can.

Yours in H & T,  
Odis G. Jenkins, Jr.  
Rho '54

THE GEAR is glad to put you on the mailing list. You will stay there until a copy is returned with the familiar "Moved, Left No Address."

1220 Chestnut Lane  
Midland, Texas

Gentlemen:

Thank you for your letter of May 29, 1956 notifying me that my Spring 1956 GEAR had been returned because of incorrect address. I guess that I have been just a little lax in keeping you informed of my various moves. I have received some copies of THE GEAR in the last few years and have enjoyed them very much. I hope that I will keep you better informed in the future.

Just for your records, I moved out of 1308 West Washington in January, 1952, and since then have lived in the following houses in the order listed:

221 Norton St., Corpus Christi, Texas  
4625 Franklin St., Corpus Christi, Texas  
2806 West Ohio St., Midland, Texas  
5426 El Campo, Ft. Worth, Texas  
2117 Montclair, Ft. Worth, Texas  
3901 Ruth Road, Ft. Worth, Texas

My current address is, of course, the one shown above.

I have every reason to believe that this address will be just as permanent as the others and request that any future correspondence be addressed to me here on Chestnut Lane. (I will receive it promptly, barring another transfer by my company). Incidentally, I changed jobs about five houses back and am a Petroleum Engineer for the Sinclair Oil & Gas Co. I also acquired another heir in every other house or so—making the total now two boys and a girl. We are going to have to stop all the moving around soon.

Yours in H & T,  
R. M. Anderson  
Nu '48

Thanks for the account of your Odyssey. Better settle down, though, if you don't want to buy a larger house.

Quarters "O"  
U. S. Naval Shipyard  
Portsmouth, N. H.

Dear Brother Mercer:

Some time during the war period 1941-1945 my Theta Tau Official badge (pin) became lost. It is such a treasured item

that I would like to replace it and also to have an alumni charm.

A Balfour order form and a personal check in the amount of \$15.95 are enclosed. In accordance with the Regulations quoted on Balfour's price sheet, these are being mailed via you for verification of membership. You will note of course, that I am a member of Upsilon Chapter, University of Arkansas, pledged 1930. Also enclosed is stamp and envelope for forwarding to Balfour. Your cooperation in this matter will be appreciated.

For information, it probably should be mentioned that in 1949 I transferred from Civil Engineer Corps Reserve to CEC, USN status and thus am continuing my war time active duty now as a career officer in the Civil Engineer Corps. Last fall I was promoted to the rank of Capt., CEC, USN. Since July 1955 I have been serving in the billet of Public Works Officer, U. S. Naval Shipyard, Portsmouth, N. H.

I wish that more of the capable young engineers graduating each year could recognize what a professionally attractive career is available as a permanent officer in the Civil Engineer Corps. Such a career does not offer fabulous wealth but the opportunity to practice our profession is practically unlimited and that does bring a wealth of professional satisfaction that is difficult to weigh in worldly possessions.

Yours in H & T,  
Sgd. W. M. Gordon  
Upsilon '31

We must warn you Brother Gordon that we are using some of those same sales points to encourage young men to teach.

McLester Hotel  
Tuscaloosa, Ala.

Dear Brothers:

Just a note along with my change of address notice to tell you that I am on my way to France where I shall be for the next two years directing research on the concentration of Lorraine iron ores for l'Institut de Recherches de la Siderurgie.

Two years ago I resigned from the faculty at the University of Kansas in order to do full time graduate work there in chemical engineering, and this spring I received the degree of Ph.D.

Ask any members of Theta Tau passing through Paris to look me up—I may want to talk shop in English.

In H & T,  
Frank W. Bowditch  
Zeta '39

Bon Voyage, Frere Bowditch! You will at least have the English edition of THE GEAR.

# Chapter Advisers

ALPHA—Prof. Miles S. Kersten, C.E. Dept., University of Minnesota, Minneapolis, Minn.

BETA—Prof. L. F. Duggan, Michigan Tech., Houghton, Mich.

GAMMA—Prof. George W. LeMaire, Colo. School of Mines, Golden, Colo.

DELTA—Prof. L. J. Reardon, C.E. Dept., Case Inst. of Tech., Cleveland, Ohio

EPSILON—Dr. Samuel P. Welles, 982 Santa Barbara Rd., Berkeley, Calif.

ZETA—Prof. T. F. McMahon, 6 Westwood Dr., Lawrence, Kan.

THETA—Prof. Elmer Gaden, Dept. of Chem. Engineering, Col. of Engr., Columbia University, New York 27, N. Y.

IOTA—Prof. Ralph Schowalter, Dept. of Mech. Engr., Missouri School of Mines, Rolla, Mo.

LAMBDA—Mr. Preston Linford, C.E. Bldg., U. of Utah, Salt Lake City, Utah

MU—Prof. William K. Rey, P. O. Box 664, University, Ala.

XI—Prof. G. A. Rohlich, 9 Hydraulics Laboratory, U. of Wis., Madison, Wis.

OMICRON—Prof. D. E. Metzler, Eng. Bldg., Univ. of Iowa, Iowa City, Iowa

PI—Prof. Henry L. Kinnier, C. E. Dept., Univer. of Va., Charlottesville, Va.

RHO—Mr. A. A. Cariyle, Research Engr., Ind. Exp. Program, N. C. State College, Raleigh, N. C.

SIGMA—Prof. Edmund D. Ayres, 2595 Berwyn Rd., Columbus 21, Ohio

TAU—Prof. Gerald Walsh, Dept. of Engr. Drafting, Bldg. No. 5, Syracuse University, Syracuse 10, N. Y.

UPSILON—Mr. J. R. Bissett, C.E. Dept., Univ. of Arkansas, Fayetteville, Ark.

PHI—Prof. W. B. Sanders, 610 Evergreen St., West Lafayette, Ind.

CHI—Mr. Philip D. Newlin, University of Arizona, Tucson, Ariz.

PSI—Prof. Koehler Stout, Montana School of Mines, Butte, Montana

OMEGA—Mr. Howard H. Wells, S. D. School of Mines, Rapid City, S. D.

GAMMA BETA—Prof. B. C. Cruickshanks, 5733 Fourth St. N. W., Washington 11, D. C.

DELTA BETA—Prof. M. G. Northrop, E.E. Dept., Univ. of Louisville, Louisville, Ky.

EPSILON BETA—Prof. Harold G. Donnelly, Engr. Col., Wayne U., Detroit, Mich.

## In Memoriam

**Louis Elmer Baggs, Omicron '22**, died November 20, 1955, at the age of 63. He was born in Grinnell, Iowa on December 12, 1891 and graduated as a civil engineer at the University of Iowa in 1922. He was also a member of Tau Beta Pi and Sigma Xi. From June 1922 to June 1927 he was employed by United Light & Power Engineering & Construction Co. in Davenport, Iowa. From June 1927 to March 1931 he was working for Deere & Co. in Moline, Ill. From June 1931 until the time of his death he was on the staff of the U. S. Corps of Engineers, first at Rock Island, Ill., and finally from April 1943 at the Vicksburg, Miss. office with the Mississippi River Commission. Surviving is his wife living at 2414 Drumond, Vicksburg, Miss. He was a charter member of Omicron chapter.

**Ray Edward Chatfield, Gamma '34**, died suddenly on February 4, 1956 in the Illinois Research Hospital in Chicago. He was born June 2, 1901 in Momence, Ill., and graduated as a mining engineer from the Colorado School of Mines in 1924. He spent his entire professional life with the Northern Illinois Coal Co. starting as a young engineer and was superintendent at the time of his unexpected death. He had been with the company a total of 29 years. On October 10, 1928 he was married to Hattie Bothfur of Kankakee, Illinois. Surviving are his widow, a son James Chatfield, presently Staff Sgt. 755 A.C.S.W. SQDN, Williams Bay, Wis., and a daughter Kay, now Mrs. Paul K. Smith, Lake Geneva, Wis. The family home was at 220 N. Kankakee St., Wilmington, Ill.

**Mark Hamilton Costello, Jr., Pi '51**, was killed in an automobile accident in St. Louis, Mo. on March 4, 1956. He was born in New York City on December 28, 1922. He attended college receiving an LLB in 1951. He was a flying cadet in 1942 and Bomber Pilot and Flight Commander in the South Pacific from 1942 to 1945 and was recalled to the service in 1951 when he was Base Operations Officer at Turner AFB, Albany, Georgia. At the time of his death he was contract coordinator for McDonnell Aircraft Corp. in St. Louis. In 1953 he married Ruth Turner Clarkson of Clayton, Mo. who survives, together with a son, Mark III, now 2 years

old. The family address is 6325 Ellenwood Ave., Clayton, Mo.

**Ronald Francis Crawford, Gamma '23**, died on February 21, 1956. He was born in Hoquiam, Washington, in November, 1895. He served in the Navy during World War I and was discharged in 1919. He graduated from the Colorado School of Mines as a mining engineer in 1923. His first employment was with the J. W. White Engineering Co. in Parco, Wyoming on oil refinery construction. In 1924 he was cost engineer for the Moffat Tunnel Commission at West Portal, Colorado. After that he was engineer for the Victor American Fuel Co., and then for the Park Development Co., St. Petersburg, Florida. During the next six years he was with Texas Gulf Sulfur Co. at Gulf, Texas. In 1937 he joined the Ingersoll-Rand Co. and for the next five years covered the six Central American countries as a sales engineer. He returned in 1942 and settled in Birmingham, Ala. and in 1948 joined the staff of the Equipment Service Co. in Birmingham and was with them at the time of his death. Surviving are his wife, the former Esther Fitzpatrick, a sister, Mrs. Arthur F. Crawford of Sunnyside, Wash., a brother George W. Crawford, Gamma '24, of St. Petersburg, Fla. The family home was at 2100 Park Lane Court South, Birmingham, Ala.

**Paul John Willard Deringer, Alpha '27**, died of a stroke in Altadena, Calif. on July 20, 1956 at the age of 51. He was born in St. Paul, Minn. on Sept. 22, 1903, and graduated from the University of Minnesota as a metallurgical engineer in 1927. From 1927 to 1929 he was employed by the Bethlehem Steel Co. in St. Louis, Mo., and later, district manager in Chicago, Ill., in charge of sales for P. R. Mallory & Co., chief metallurgist for Jack & Heintz Co. in Cleveland, and then district manager for Pansteel Metallurgical Co. in Chicago. In 1950 he became president of the Deringer Metallurgical Co. in Skokie, Ill. Because of ill health he was forced to a warmer climate at Altadena, Calif. He was married on July 7, 1928 to Miss Evelyn H. Svensson of Willmar, Minn., who survives with two sons and a daughter. The family home is at 2141 East Altadena Drive, Altadena, Calif.



William R. Dunn, Psi '50, was born June 4, 1923 in the Bronx, New York, the fourth and youngest son of Mr. and Mrs. Richard Dunn. He graduated from Public School 47 in the Bronx in 1937 and Peter Stuyvesant High School in 1941. During World War II Brother Dunn served in the U. S. Navy for over three years, in both the European and Pacific areas. He was stationed aboard P.T. boats. Upon discharge he attended the Montana School of Mines of Butte, Montana and received his degree as Petroleum Engineer in June, 1950. He was employed by the Bishop Oil Company of San Francisco, Calif. from 1950 to 1952. On November 10, 1952, he left the United States to work for the Mene Grade Oil Company, a subsidiary of the Gulf Oil Company in Maracaibo, Venezuela. Brother Dunn was 33 years of age at the time of his death. He was among the passengers aboard the L.A.V. airplane "General Urdaneta" which crashed in international waters off the coast of the United States near Asbury Park, New Jersey early on the morning of June 20, 1956. There were no survivors of the plane crash. Brother Dunn was returning to his work in Venezuela after spending two weeks visiting his mother, Emma Dunn, who resides at 1560 Unionport Road, Bronx, New York. He is survived by his mother, his brothers, Andrew of New York, and Thomas of Daly City, Calif., and his sister, Mrs. Charles Larsen of Sudbury, Mass.

Kermit Francis Fenner, Omega '31, died in Rapid City, S. D. on January 26, 1956. He was born in Iroquois, S. D. on January 16, 1909, and attended schools in Huron, S. D. He graduated as an electrical engineer from the S. D. School of Mines & Technology in 1931. He was with the Black Hills Power & Light Co. in Custer and Deadwood, S. D., and between 1942 and 1944 was with the U. S. Army Corps of Engineers in Omaha. In 1944 he returned to Rapid City to be with Black Hills Power and at the time of his death was Assistant Secretary-Treasurer of the company. He was a brother of Wayne Fenner, Omega '30. Surviving are his wife, the former Helen Starlinger and his son, Dean, age 11, also his mother in Huron, a sister, and brothers. Some new Candelabra have been placed in the Canyon Lake Methodist Church as a memorial to him. The family home was at 13 East St. Louis St., Rapid City, S. D.

William Frederick Foshag, Jr., Epsilon '19, died on May 21, 1956. He was born

in Sag Harbor, New York, the son of William Frederick and Joanna Eve Foshag. He received his education in Upland, Calif., and the University of California in Berkeley where he studied geology, receiving his A.B. in 1919, and his Ph.D. in 1923. On September 5, 1923 he was married to Merle Crisler. He was chemist for the Riverside Portland Cement Co., and then assistant curator and finally curator in charge of geology at the U. S. National Museum in Washington, D. C. He was also a member of Sigma Xi, and a Fellow of the Geological Society of America. Surviving are his widow and his son, William Frederick. The family home was at 5202 Westwood Dr., Westminister Hills, Washington, D. C.

Thomas Henry Harrington, Hon. Theta, died in White Plains, N. Y. on May 6, 1956, age 89. He was born in Westchester, New York, on May 30, 1866, and was prepared for college in a private school and graduated at Columbia in 1899 as a civil engineer. Even before he graduated he was a part time teacher. He then became a member of the faculty at Columbia and taught engineering drawing until he retired in 1937. He never married. During all his years at Columbia he was the advisor and guide to engineering students. He lived in Scarsdale, N. Y. after 1937. He was also a member of Tau Beta Pi.

Albrech Hasselbring, Beta '06, died March 5, 1956. He was born March 9, 1883 and graduated as a mining engineer at the Michigan College of Mines in 1906. He was a charter member of Beta chapter. After graduation he moved to Canada and for many years was general superintendent of mines for the Algona Steel Corp. at the Maggie Mine in the Michipicuten District of Ontario. Then he was in charge of the Aldermac Mines at Arntfield, Quebec, and from 1944 to 1948 he was manager of Silanco Mining & Refining Co. at Cobalt, Canada. After that he was a consulting engineer at Hailebury, Ontario, Canada. Surviving are a daughter, Nancy L. Hasselbring of Hailebury, another daughter and a son.

James Lawrence Head, Iota '16, charter member and initiate #1 of Iota chapter, died June 3, 1956. He was born in Detroit, Michigan on June 29, 1894, the son of James Landon and Marie Louise Head, and graduated as a mining engineer in 1916 from the Missouri School of Mines & Metallurgy and was elected to Phi Kappa Phi scholastic honor society. Shortly after

graduation he joined the army and from 1917 to 1919 was a 1st Lt. 514th Engineers, AEF. From 1919 to 1921 he was engineer for Braden Copper Co. in Chile, then with Cerro de Pasco Corp. to 1942. During World War II he was in Washington, D. C. with D.M.A. and then back to Chile Exploration Co. and was with the Anaconda Co. at the time of his death. He served several years as a director of the American Institute of Mining Engineers and was highly regarded by other engineers. On November 10, 1926 he was married to Lilia Lee Pratt in New York City. Surviving are his widow, a son, John Landon, and a daughter Lilia. The family home was 250 Arleigh Road, Douglas Manor, Long Island.

**Andrew H. Holt**, Omicron Honorary, died of a heart attack, following a day of hunting in Vermont on November 22, 1956. Brother Holt was born in Sunderland, Vermont on August 23, 1890 and attended Burr and Burton Seminary at Manchester, Vermont. He then entered the University of Vermont where he obtained a B.S. in C.E. in 1912. In 1915 he married Ruth E. Brownson of Bristol, Vermont to which union were born a son and three daughters. His teaching experience began in the Burlington High School and the Burlington Business College. However, he became an instructor in the University of Vermont following his graduation and remained for two years. He accepted a position at the State University of Iowa in 1914 where he remained until 1937. In this interval he secured an M.S. degree from Iowa in 1920, a C.E. degree from the University of Vermont in 1922, and a J.D. degree from the Iowa College of Law in 1931. It was characteristic of "Andy" Holt that on his personnel sheet at Iowa University he listed his education as "slight". He became an authority on surveying and wrote a notable paper on "The Surveyor and his Legal Equipment". He served two years as an officer in the A.E.F. in World War I, returning to Iowa at its termination. He had written a book entitled "Manual of Field Astronomy" before the war and was assigned by accident to teach the subject when he entered the army. His commanding officer in making the assignment said, "You probably don't know anything about astronomy but take this book by Holt and keep ahead of the class." Needless to say, "Andy" had no trouble.

In 1937 he became Head of the Civil Engineering Department at Worcester Polytechnic Institute, Worcester, Massachusetts where he continued his teaching career, ex-

cept for the World War II years when he served as a Colonel with the U.S. Army Engineers in Europe.

Brother Holt was an active member of the Congregational Church, belonged to Scabard and Blade, Sigma Xi, Tau Beta Pi, Order of the Coif (honorary law), Phi Beta Kappa, Am. Soc. of Civil Engineers, American Society for Engineering Education, Society of American Military Engineers, and the Worcester Society of Civil Engineers. He was a member of the Bar in Iowa and Massachusetts. His social fraternity was Alpha Tau Omega.

Brother Holt was a man of penetrating wit and the highest of ethical and personal standards. When conducting a river survey for the U. S. engineers his note in the field book to the effect that "the Iowa River at this point is a jump and a half wide", is still a classic in the Rock Island office. He took an active interest in Omicron chapter for whom he served as adviser and counselor.

**James Robertson Jack**, Hon. Eta, died January 6, 1952. He was born in 1886 in Glasgow, Scotland, and educated at the Dumbarton School of Science & Art, 1885/1887, and then was a special student of Naval Architecture in Glasgow from 1890 to 1894. He became a member of the teaching staff at M.I.T. in 1919 and professor emeritus in 1936. Home was at 24 Hillside Road, Watertown, Mass.

**Darl Shirley James**, Zeta '16, died in Columbus, Ohio, on February 14, 1956. He was born in Greeley Center, Nebraska, on May 16, 1889. He was educated in Lawrence, Kansas, and was captain of the University of Kansas football team in 1916, joining the army shortly after graduation. He was a captain of the 110th Engineers, AEF, and was awarded the Distinguished Service Cross and the French War Cross in World War I and was wounded in action. After the war he was with Swift & Co. in Kansas City, Kansas, and then with Adams & Berger in Kansas City. For many years prior to his death he was the senior partner and manager of the Ben Ton Supply Co. in Columbus, Ohio. He died from a heart attack and surviving are his widow, the former Letha Williams, two sons and one daughter. The family home was at 1719 Olentangy Blvd., Worthington, Ohio.

**Robert Harry Percy Jenkins**, Upsilon '35, Lt. U.S.A.F. was killed in an airplane crash near Belmont, Miss., on June 1, 1956.

He was born Sept. 6, 1934 in Sydney, Nova Scotia, Canada, the son of Dr. H. P. B. Jenkins, now a professor at the University of Arkansas. He graduated as a mechanical engineer in 1955 and in his senior year was president of the student body, and was cadet colonel in the ROTC. He was also a member of Tau Beta Pi. He was a staff member of the Arkansas Engineer and a member of the Student Union Board; he took part in many student activities. Surviving are his parents, two brothers, Bill Jenkins stationed with the Marines at Cherry Point, N. C., and Pete Jenkins living at home. Funeral services were held in the First Presbyterian Church in Fayetteville.

Gilbert Edward Kempka, Xi '50, died March 3, 1956. He was born in Milwaukee, Wisconsin on October 16, 1927. He graduated as a metallurgist at the University of Wisconsin in 1950 and received his M.S. shortly thereafter. From 1950 to 1955 he did research work at Wisconsin and was an instructor in metallurgy. Then he joined the staff of the John Motors Mfg. Co. in Waukegan, Illinois and at the time of his death at the age of 28, he was chief metallurgist there. On September 9, 1950 he was married to Miss Joyce Fischmann who survives with his son, Robert Edward, born October 25, 1953. At Wisconsin he was also a member of Tau Beta Pi and Phi Kappa Phi, scholastic honor societies.

Philip Maurice McHugh, Gamma '11, died in Tucson, Arizona on March 13, 1956. He was born in Hastings, Minnesota on March 7, 1887 and graduated as a mining engineer from the Colorado School of Mines in 1911. Then he became the first sales engineer for the Dorr Cyanide Machinery Co. and shortly thereafter the manager of the Denver office. When Petree & Dorr was formed in 1920 he became vice-president, and then president in New York City until he retired in 1944. Unable to remain idle he became general manager, special products division, Great Lakes Carbon Co. at Feris, Texas, but had to retire in 1946 because of ill health and only recently moved to Tucson, Arizona. He received (Posthumously) the distinguished service medal from the Colorado School of Mines in 1956. Surviving are his wife, Arlene, and his son, Philip L. McHugh, vice president of the Campbell-Ewaldt Co., General Motors Bldg., Detroit, Mich. Another son, Hugh F. McHugh, was killed in action in Europe during World War II.

Randall Holden Ormsbee, Theta '15, died of a heart attack in Washoe General Hospital, Reno, Nevada on November 1, 1956. He was born in Tracy City, Tenn. on December 24, 1893. Most of his boyhood was spent in El Paso, Texas, where his father was superintendent of the A. S. & R. Co. for many years. He graduated as an Engineer of Mines at Columbia University in 1915 and was the first Scribe of Theta chapter. After graduation he moved to Christmas, Arizona, and was superintendent of the Gila Copper Sulphide Mining Co., and in 1923 he moved to El Paso and then to Virginia City, Nevada where he was engineer for the Comstock Merger Co. in Virginia City. For a short time he was at Ramsey, Nevada and then became chief engineer for Nevada Quickilver Co. near Lovelock, Nevada. Then he moved to Cooney, New Mexico and to Presidio, Texas. In 1940 he came back to Nevada and was superintendent of Dayton Cons. Mines until 1942 when the gold mines were closed by Presidential order. Then he joined the staff of the Anaconda Co. and was in charge of all drilling and exploration work on the property now being operated at Weed Heights, Nevada. At the time of his death he was engineer for Anaconda at Weed Heights. Surviving are his widow now living in Alexandria, Va., two sons, Dr. Allen I. Ormsbee, of Urbana, Ill., and Alexander F. Ormsbee, 1020 Kennedy Lane, Falls Church, Va., two daughters, Mrs. Ashley O. Courson, Springfield, Va., and Mrs. Leland B. McKee of Atlanta, Ga., and six grandchildren. Funeral services were held in El Paso, Texas.

Marcus Carl Peterson, Epsilon '20, died at his ranch near Vacaville, Calif. on February 29, 1956. He was born on November 28, 1898 at Denver, Calif. He graduated from Armijo Union High School in Fairfield, Sonoma County, Calif. in 1916 and entered the College of Mining at the University of California in Berkeley in August 1916. He graduated in 1920 as a mining engineer. He was president of the class of 1920 at California and a member of Sigma Xi. After graduation he was employed by the Pacific Coast Steel Corp. in Los Angeles and lived in San Marino. Later he returned to San Francisco and at the time he retired a few years ago was vice president of the Bethlehem Pacific Coast Steel Corp. in San Francisco. Surviving are his widow, Dorothy, living at the Vacaville ranch, a son, Marcus, Jr., living in Berkeley, Calif., a daughter, Mrs. Walter Johnson, of Orinda, two sisters and two brothers living in Sonoma, Calif.

*George Louis Schuler*, Kappa '23, died in Palm Springs, Calif. on November 7, 1955. He was born in Dixon, Ill. on November 16, 1899, the son of Mr. and Mrs. W. A. Schuler of 607 East Second St., Dixon, Ill. He graduated from the University of Illinois in 1923 as a mechanical engineer, then moved to Pasadena where he was a building contractor. He was active in Pasadena public activities, being City Director from 1939 to 1942, president of the Junior Chamber of Commerce, member of the Optimist Club, Building Contractors Association, and Tournament of Roses Association. Surviving are his wife, three children, and two brothers. The family home was at 768 Via Sonente, Palo Verde Estates, Calif.

*George Edwin Shelley*, Chi '42, was killed in an automobile accident on December 13, 1954. He was born February 3, 1921 and graduated from the Kingman, Arizona high school in 1938, and from the University of Arizona as a mining engineer in 1942. From 1942 to 1946 he was an officer in the Navy in the South Pacific. After the war he decided to become a doctor and received his M.D. from Northwestern University in 1950. He interned at Wesley Memorial Hospital in

Chicago and was resident at St. Francis Memorial Hospital in San Francisco. Then he returned to Arizona and practiced in Mesa, Arizona for 1½ years prior to his death. His wife and six children survive. His wife is a graduate civil engineer from Arizona and is now project engineer for the H. G. Ferguson Co. in Mesa, Arizona where the family home is at 152 South Pasadena Street.

*Merton Ira Signer*, Iota '23, died of a heart attack on November 17, 1956. He was born in Tonica, Illinois on October 25, 1900 and received his B.S. in Mining Engineering from the Missouri School of Mines in 1923, and an E.M. in 1934. On August 20, 1922 he was married in Mariposa, Calif. to Ruth Ann Tresider, while he was employed by the Princeton Gold Mines, Mt. Bullion, Calif. From 1923 to 1926 he was mining engineer for the Original Mining & Milling Co. in California. In 1926 he joined the faculty of the Colorado School of Mines as an instructor, then professor of mining to 1947 when he was made Dean of the Faculty. Surviving are his widow, a son, Merton Ira, Jr., Gamma '50 of Regina, Saskatchewan, Canada, and a daughter, Mrs. Mary Ann Bradshaw, of Stratton, Colorado.

# Additions to Membership

## ALPHA

- 633 Daniel Joseph Meaney, Jr., Mahto-  
medi, Minn.  
634 Dante John Rossini, Jr., St. Paul,  
Minn.  
635 Glen Martin Personius, Fairmont,  
Minn.  
636 James Russell Milner, Willernie,  
Minn.  
637 Benjamin Bruce Flood, St. Paul,  
Minn.  
638 William Ralph Kubon, Mound,  
Minn.  
639 Richard Clarence Catura, Prior  
Lake, Minn.  
640 James Walter Faricy, St. Paul, Minn.  
641 Robert Henry Nath, Minneapolis,  
Minn.  
642 Gerald Dale Cran, Duluth, Minn.

## BETA

- 782 David Lawrence McCain, Virginia,  
Minn.  
783 Terrence Leon Uren, Eveleth, Minn.  
784 Siegel Bruce Davis, Saginaw, Mich.  
785 Robert Charles Johnson, Ishpeming,  
Mich.  
786 Owen Dennis Marjama, Nequauee,  
Mich.  
787 Frederick Roland Schmidt, Midland,  
Mich.  
788 Thomas Eugene Stark, Marysville,  
Mich.  
789 Walter Ernest Hagglund, Crystal  
Falls, Mich.  
790 Thomas Joseph Phelan, Deerfield,  
Ill.  
791 Ray Ernest Stefani, Caspion, Mich.  
792 Lincoln Welles North, Marquette,  
Mich.  
793 Carl Peter Johnson, Marquette,  
Mich.  
794 Richard James Danker, Grand  
Rapids, Mich.  
795 Charles Erwin Mosher, Bay City,  
Mich.  
796 David Alan Martinkewitz, Crystal  
Falls, Mich.  
797 Frederick Maurice Dunwell, Kala-  
mazoo, Mich.  
798 George Ellis Winn, Onaway, Mich.  
799 Clarence Lyle Eaket, Iron Bridge,  
Ontario, Canada  
800 Jay Jerome Williams, Virginia,  
Minn.  
801 Dale Robert Barber, Clare, Mich.  
802 Max Walter Woodruff, Crystal Falls,  
Mich.  
803 Kenneth Carl Bauer, Auburn, Mich.

- 804 Darrell Wayne Smith, Marshall,  
Mich.  
805 Carl Theodore Nelson, Jr., Hough-  
ton, Mich.  
806 Robert Brady Otto, Saginaw, Mich.

## GAMMA

- 854 George Newell Brown, Jr., Golden,  
Colo.  
855 Harlan J. Brown, Washington, D. C.  
856 Charles Frederick Hinrichs, Golden,  
Colo.  
857 George Stanton James, Jr., Okla-  
homa City, Okla.  
858 William Allen Preston, Colorado  
Springs, Colo.  
859 Charles Richard Threewit, Pritchett,  
Colo.  
860 Jerry Joe Warner, Omaha, Nebr.  
861 Robert Hanna Waterman, Jr., Den-  
ver, Colo.  
862 Olin Dravo Whitescarver, Brighton,  
Colo.  
863 Paul Albert Wichmann, Calgary,  
Alberta, Canada  
864 John Henry Wilson, Durango, Colo.

## EPSILON

- 804 Burton B. Barnes, Albany, Calif.  
805 Frank Wendell Smith, Albany,  
Calif.  
806 Victor August Zullo, San Francisco,  
Calif.

## THETA

- 604 W. Monroe Atkinson, East Orange,  
New Jersey  
605 Alan Broadwin, Brooklyn, N. Y.  
606 Joseph Peter Giudiano, Bronx, N. Y.  
607 George Hasapis, Brooklyn, N. Y.  
608 Henry Robert Janiesch, New Hyde  
Park, N. Y.  
609 William Peter Long, New York,  
New York  
610 Ralph Cady Longworth, Flushing,  
New York  
611 Dominick Joseph Mascolo, New  
York, N. Y.  
612 Joseph Allen Parker, Jr., Port  
Chester, N. Y.  
613 Ronald Victor Repetti, Woodside,  
Long Island, N. Y.  
614 Sam Anthony Sciortino, Utica, N. Y.  
615 Robert Urban Sheets, Elmhurst,  
New York  
616 Augustus William Stukeby, Jr., New  
York, N. Y.

## IOTA

- 784 Gerald Dean Whitehouse, Sapulpa, Okla.  
 785 Charles Robert Hoffman, Springfield, Mo.  
 786 Donald Frederick Kennedy, Kirkwood, Mo.  
 787 Robert Harold Ford, Kirkwood, Mo.  
 788 Donald Gene Piantiel, Normandy, Missouri  
 789 Richard Michael Baruch, Ferguson, Missouri  
 790 Guy William Hreintich, Jefferson City, Mo.  
 791 John Franklin Calhoun, Springfield, Missouri  
 792 Lloyd E. A. Reuss, Lenzburg, Ill.

## LAMBDA

- 684 Robert Joseph Wright, Park City, Utah  
 685 Blaine Marion Madsen, Salt Lake City, Utah  
 686 Walter Enoch Furen, Salt Lake City, Utah  
 687 Eugene Arthur Knowles, Jr., Salt Lake City, Utah  
 688 Gene Allen Grifton, Bountiful, Utah  
 689 William Riddell Barton, Salt Lake City, Utah  
 690 Carl Gustave Hochner, Salt Lake City, Utah  
 691 Darrow Finch Dawson, Ogden, Utah  
 692 William Francis Deason, Salt Lake City, Utah  
 693 Dean Oscar Brand, Salt Lake City, Utah  
 694 Richard Woodruff Cummock, Salt Lake City, Utah  
 695 Larry Joe King, Salt Lake City, Utah  
 696 Reo Lyndon Barkle, Salt Lake City, Utah  
 697 Keith Oral Price, Salt Lake City, Utah  
 698 Dale M. Diamond, Springville, Utah  
 699 Ronald Ted Reid, Salt Lake City, Utah  
 700 Gary Walter O'Brien, Salt Lake City, Utah  
 701 George Richard Saupe, La Jolla, Calif.  
 702 Lester Armond Blackner, Jr., Salt Lake City, Utah  
 703 Junior Lovell Dillard, Compton, Calif.  
 704 Ron Joseph Nevenner, Price, Utah  
 705 Bill James Rosenhan, Midvale, Utah  
 706 Ralph Boyd Hodges, Ogden, Utah  
 707 Clarke Bryne Lium, Salt Lake City, Utah

## MU

- 651 Karlheinz Otto Willi Ball, Huntsville, Ala.

- 652 Benjamin Bert Bataon, Birmingham, Ala.  
 653 Richard Wallace Beason, Dothan, Ala.  
 654 Charles Kennon Beauchamp, Jr., Tuscaloosa, Ala.  
 655 James Alfred Bryant, Jr., Birmingham, Ala.  
 656 Freddie Max Croft, Albertville, Ala.  
 657 Bennie Gene Culpepper, Eufaula, Ala.  
 658 Charles Franklin Curtis, Jr., Birmingham, Ala.  
 659 Hubert Trevelyan Davis, Troy, Ala.  
 660 Rayford Franklin Davis, University, Ala.  
 661 George Ross DiGiorgio, Birmingham, Ala.  
 662 George William Douglas, Jr., Birmingham, Ala.  
 663 Dun Leland Griffin, Bessemer, Ala.  
 664 John Minor Hassler, Jr., Birmingham, Ala.  
 665 Charles Wayne Helms, Tuscaloosa, Ala.  
 666 Jimmy Donald James, Amory, Miss.  
 667 John Gordon Johnson, Jr., Birmingham, Ala.  
 668 Judson Allison Lovingood, Birmingham, Ala.  
 669 Young Emory McDaniel, Birmingham, Ala.  
 670 Frank Jaudon McGibboney, Bessemer, Ala.  
 671 Joe Marsena McKee, Birmingham, Ala.  
 672 Thomas Seldon Moore, Amarillo, Texas  
 673 James William Neal, Adamsville, Ala.  
 674 Lester Marion Ross, Montgomery, Ala.  
 675 John Thomas Sox, Birmingham, Ala.  
 676 Walter Douglas Trippe, Greensboro, Ala.  
 677 Alton Hamric Wallace, Dadeville, Ala.  
 678 Terrance Boyd Wyatt, Birmingham, Ala.

## XI

- 176 William Leon Bautz, Milwaukee, Wis.  
 177 Leland Robert Briggs, Madison, Wis.  
 178 William Edward Kincaid, Westfield, New York  
 179 Leonard Jay Kitchen, Madison, Wis.  
 180 Terry Hays Richard, Rubicon, Wis.  
 181 William Robert Seeman, Madison, Wis.  
 182 Donald George Bonamer, Oconomowoc, Wis.

- 183 Allan Richard Glavan, Aurora, Minn.  
 184 Clifford Leo Loeck, Oshkosh, Wis.  
 185 Lloyd Edward Makela, Iron River, Wis.  
 186 Duane Alwin Williams, Madison, Wis.  
 187 Sherman David Ansell, Superior, Wis.  
 188 Earl Quentin Bowers, Milton, Wis.  
 189 Donald John Fox, Madison, Wis.  
 190 Thomas Rand Kennedy, Madison, Wis.  
 191 Walter Ernest Luethy, Madison, Wis.  
 192 Theodore Herbert Witzel, Stroughton, Wis.

## OMICRON

- 508 Kenneth Eugene Bailey, Marion, Iowa  
 509 Charles Herbert Blunt, Canfield, Ohio  
 510 Raymond Dwite Davis, Stuart, Iowa  
 511 George Robert Gimakis, Keokuk, Iowa  
 512 Harry William Jacobs, Iowa City, Iowa  
 513 Gerald Edwin Lewis, Rochester, New York  
 514 Russell Edward Millsbaugh, Jr., Keokuk, Iowa  
 515 Bryce Arthur Northup, Sigourney, Iowa  
 516 James Merritt Smith, Des Moines, Iowa  
 517 Charles Robert Steward, Bedford, Iowa  
 518 Richard James Walton, Iowa City, Iowa  
 519 Richard Adolph Westwick, Springfield, Ill.

## SIGMA

- 459 Edward John Ranostaj, Whiting, Indiana  
 460 Richard Arthur Singer, Watertown, New York  
 461 Eugene Michael Bond, Campbell, Ohio

- 462 Ross Gordon Carle, Youngstown, Ohio  
 463 Richard Lee Maenpaa, Conneaut, Ohio  
 464 Wayne Donald Milestone, Huntsville, Ohio  
 465 Titus James Santelli, Youngstown, Ohio  
 466 James Bertram Tichy, Lakewood, Ohio

## TAU

- 601 Bruce Hubbard Cole, Syracuse, New York  
 602 Giles Cleveland Dilg, Syracuse, New York  
 603 Victor Walter Goldschmidt, Montevideo, Uruguay, S. A.  
 604 Vitold Raymond Kruka, Syracuse, New York  
 605 Robert Charles Machell, Syracuse, New York  
 606 James Carlo Socci, Auburn, N. Y.

## PHI

- 317 Thomas Atkin Brandon, Jr., South Bend, Ind.  
 318 James Nelson Dresser, Detroit, Mich.  
 319 Alan Justin Driscoll, Glenwood, Ind.  
 320 Alan Charles Gallagher, Elmhurst, Ill.  
 321 Jerrold Edward Johnson, Greenwood, Ind.

## CHI

- 722 Norman Edward Bennewitz, Phoenix, Ariz.  
 723 John Patrick Bowman, Wichita, Kan.  
 724 Louis Davies Clay, Tucson, Ariz.  
 725 Frederic Myron Funk, Tucson, Ariz.  
 726 John Richard Rees, Escondido, Calif.  
 727 Humberto Ross Solano, Douglas, Ariz.

## PSI

- 371 Douglas Henry Harnish, Jr., Butte, Mont.

An industrial biggie had gone to Hell and was sitting around figuring how he'd fit into the picture when he felt a slap on the back. Looking around, he recognized a salesman who had called on him many times on earth without being able to get a suitable interview.

"Whatcha want?" gruffed the tycoon.

"I'm here for that appointment," said the salesman.

"What appointment?"

"Don't you remember—every time I tried to talk to you on earth you said you'd see me here!"

Members of the Executive Council  
Advisers of Chapters  
Regents of Chapters  
Counselor of Theta Tau Fraternity  
Delegate at Large  
Presidents of Alumni Associations  
Chairmen of Standing Committees

Fraternal Greetings:

Grand Scribe Norman B. Ames has accepted a Fulbright Lectureship in Electrical Engineering at the University of Ceylon, Colombo, and leaves the United States May 25. He will, of necessity, leave the Executive Council. We regret his leaving and wish him Godspeed.

Brother Robert E. Pope, Zeta '52, has consented to serve as Grand Scribe until the Twenty-first Biennial Convention in December. Brother Pope has already rendered outstanding service in the Fraternity as regent of his chapter, delegate to conventions and member of committees. We are indeed fortunate in having someone who is so able.

Under the provisions of Article VII, Section 3 of the Constitution, and with the concurrence of the Executive Council, I appoint Brother Pope as Grand Scribe to succeed Brother Ames, effective May 24, the date of the latter's resignation. Brother Pope's address will be:

1602 Louisiana Street  
Lawrence, Kansas

All addressees of this communication will take due note of this action and address all affected matters of the Fraternity accordingly. Brother Erich J. Schrader will continue to handle the usual matters of dues and fees. Grand Marshal Daniels will continue to handle all matters of pledging, initiation, etc. The Constitution and By-Laws, and the various manuals should be consulted for more detailed delineation of duties. There should be no interruption of any fraternity activity.

With appreciation and warmest good wishes to all, I am,

In H & T  
Sgd. A. D. Hinckley  
A. Dexter Hinckley  
Grand Regent

14th of Aug., 1956

ATTEST:  
Sgd. Norman B. Ames  
Norman B. Ames  
Grand Scribe



## *Bob Pope Appointed Grand Scribe*



Brother Bob Pope, Z '52, recently added another honor to his long list when he was appointed by the Executive Council to the office of Grand Scribe. Brother Pope succeeds Prof. Norman B. Ames, Gamma Beta, who currently is on fellowship to Ceylon.

Bob received his B.S. in Chemical Engineering from K.U. in 1952. At the present time, he is near completion of his work for both his M.S. and Ph.D. degrees. While on campus, Brother Pope distinguished himself as a member of Sigma Tau, Tau Beta Pi, Phi Lambda Upsilon, Omicron Delta Kappa, as well as president

pro-tem of the All Student Council Senate.

Long a leader in Zeta Chapter activities, Bob did an outstanding job as Regent for two terms. At the last biennial convention of the fraternity, Bob had the great honor of being chosen Outstanding Delegate. With Prof. T. F. McMahon, Bob did much to promote the Zeta Cogs, and served as secretary of the Zeta Cogs until his appointment to the Executive Council. In addition, Bob was recently re-elected vice-president of the Zeta House Corporation.

# *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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NUMBER 1

## THE CONVENTION

After our glorious Golden Anniversary Convention which was held in Minneapolis during the pleasant month of October, Theta Tau once more switches back to the between the holiday dates of December 28 to 30, 1956 for the Twenty-first Biennial Convention. This will be held in Columbus, Ohio, slightly south of our average meeting location, and also a little further east than usual. If the weatherman gives us a fair break, alumni and actives attendance at the Convention should be rather better than sometimes since the conclave will be rather easily accessible to our eastern chapters and to Ohio resided alumni. This will be our second convention in Columbus, the other, the Seventh, having been held there soon after Sigma was chartered in 1925.

Convention delegates and alternates are being selected as these comments are written, but perhaps a word or two on preparations by those who are selected to represent their chapters would not be amiss. First of all, heed well the advice given in the Circular to Delegates. Study the Constitution and Ritual. Be as familiar

as possible with all activities of your Chapter and come determined to represent well your own group, but keeping in mind the best over-all good to the Fraternity. Expect to meet and know some mighty fine brothers from all over America and be as respectful of their opinions as you want them to be of yours.

Our Conventions are always brim-full of business and while our efforts to handle more and more of the details through well-selected hard working committees are bearing fruit, final decisions on all legislative matters must be made on the Convention floor so that the daily sessions will most likely continue to be lively and rigorous. It is an experience you will enjoy much and one which will undoubtedly be educational as well. Look forward to an interesting—yes, even an exciting time.

PLM

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## FIRST TO BAN HELL-WEEK?

The July, 1956 Bulletin of the Interfraternity Research and Advisory Council opened an interesting question when the editor requested members to affirm or deny a quoted statement that Delta Chi was the

first fraternity to go on record as condemning the practice of "Hell Week". Subsequently Tau Epsilon Phi was reported to have passed a resolution at its Convention on January 2, 1927 that, "all physical forms of hazing and initiation be entirely abolished."

About that time Grand Counsellor Erich Schrader got into the act and IRAC's Bulletin Number 67 for October, 1936 reports the fact that he

included a statement outlawing the practice in writing the first Constitution for Theta Tau in 1904 and which was formally accepted by the whole Fraternity at our first National Convention held in Minneapolis in 1911. This statement, still the law of the Fraternity, reads as follows: "The use of paddles, so called 'hell-week' public initiations, and all practices that are humiliating or brutal, are strictly prohibited." PLM

### ARE THERE TOO MANY OF US?

One of the hot arguments going on in the engineering profession today is the question as to whether or not there is a real shortage of engineers. Evidence of a conclusive nature can readily be piled up on both sides of the argument.

The most obvious evidence of shortage is the appearance on college campuses of hundreds of company personnel men eagerly seeking seniors. These men are this year offering \$100 per month more than they were two years ago. They are gladly paying the cost of trips to the home office. They are appearing from October to May rather than only in the Spring as was the custom a few years back.

Estimates of annual need by the Engineering Manpower Commission have moved from 30,000 at the close of World War II to 50,000 at the present time. Many have pointed out that the Russians are turning out many more engineers than the United States. In 1955, 22,600 engineers of all kinds were graduated. It is estimated that 28,750 will be graduated this year and 34,500 next year—obviously considerably short of the 50,000 needed. Other estimates indi-

cate that there are not enough high school students with engineering aptitudes to fill the need if they all went to college and secured degrees!

On the other side of the argument there are those who say that it is technicians who are badly needed, not engineers. These are the men who do computation, drafting, surveying, etc. It is claimed that thousands of engineers are being wasted on such tasks. The increased wages cited by the "shortage" proponents are scarcely larger proportionally than those enjoyed by common labor in the same period. If engineers were really in short supply their wages would have increased at a faster rate than those of the laboring man. It is claimed that industry is merely short of "cheap" help and that if many more engineers were suddenly made available the companies would take but few more than they do now. Enrollment in engineering colleges is rapidly moving toward 50,000 graduates per year, the last three classes having increased from 23,000 to 35,000 as previously noted. At this rate the goal should be reached in 3 years.

One thing both sides agree on: there will always be a shortage of good engineers! JWH

# Alumni Notes

## ALPHA

Vinal, Elwyn L., '07, wrote his former roommate, Erich Schrader, that he has 17 grandchildren and one great-grandchild.

Quindlan, Howard, '14, for many years with Socony-Vacuum Oil Co. first in Egypt and last in New York, has retired and called on Erich Schrader in May. He worked during his college years for Erich in 1913 in Nevada and planned to drive through the state to revisit the places where he had been so long ago. He was an officer in World War I and then became connected with the petroleum business. Present address is 1603 West 5th St., Winona, Minnesota.

Olson, Roy H., '13, is a patent lawyer, Olson & Treasler, 141 West Jackson Blvd., Chicago 4, Ill. and lives at 83 South Deere Park Drive, Highland Park, Illinois.

Finch, Edward H., '31, was recently appointed an associate in the well-known engineering firm of Sargent & Lundy in Chicago, Illinois.

Johnson, Syrus Harland, '40, lives in Winona, Minnesota.

Duntley, John M., '49, lives at 62 Meadow Lark Drive, Springfield, Ill.

Wunderlich, Robert M., '51, who is now on the staff of the industrial engineering division, Duluth Works, U.S. Steel Co. gives his mailing address as 928 East 13th St., Duluth, Minnesota.

## BETA

Douglass, Thomas J., '04, retired, lives in North Hollywood, California. He followed an engineering career for awhile and then went into the construction business. There are two sons.

Kington, Carl John, '06, went to work for Cerro de Pasco Copper Company in Peru shortly after graduation and has remained a resident of South America ever since. His home is in Santiago, Chile.

Young, John Winfred, '06, for many years assistant treasurer of Milwaukee Downer College has retired and is now living in Hendersonville, North Carolina.

Apell, Gideon A., '15, is now with the Spokane office of the U.S. Bureau of Mines, Spokane, Washington.

Atkins, William R., '32, is general super-

intendent of the Tungsten Mining Corp., in Henderson, North Carolina.

Swanson, John M., '37, is a research manager at E. I. DuPont de Nemours Industrial Products Laboratory, Newport, Delaware.

Wahl, R. Leslie, Jr., '42, is assistant mine supt. for the Colorado Fuel & Iron Corp., Sunrise, Wyoming.

Burger, David H., '46, is market development chemist in the Development Laboratory, Chemical Division, the Koppers Co., Monaca, Pa.

McKerigan, George, '47, is superintendent at one of the C & H Mines at Calumet, Mich.

Johnson, Robert E., '49, is the Assistant to the President of the A. J. Etkin Construction Co., Detroit, Mich.

Pierce, Robert, '49, is sales director for the Calumet Division of Calumet & Hecla in Calumet, Mich.

Livingston, Richard W., '50, is ore dressing engineer for the Jones & Laughlin Steel Corp., in Virginia, Minn. He reports the birth of a third son, John Ford, on April 12, 1956.

Post, Joseph, '50, is working in Lansing, Mich. for Planet Corporation.

Knaebel, Eugene, '51, was discharged from the Army in May, 1956 and is going to work for the California State Highway Department.

Bidstrup, Wayne W., '53, Pet., recently arrived at Walter Reed Army Medical Center, Washington, D.C., and is now assigned as a chemical-engineering assistant. He was formerly employed by Procter & Gamble Co. in Cincinnati.

Machwick, Ronald, '53, is engaged and plans to marry this summer. He is attending the University of Michigan in pursuit of a law degree.

Puro, Ray L., '53, is metallurgical engineer for International Nickel Co., Lively, Ontario, Canada.

Mosnier, Robert, '53, was discharged from the Army in September, 1955 and is now studying for his master's degree in Civil Engr. at the University of Michigan.

Bay, James B., '54, is serving with the army as a first lieutenant at Fort Belvoir, Va.

Burlingame, John W., '54, was married last spring and is now in the army at Frankford Arsenal, Philadelphia, Pa.

Hocking, Ronald, '54, is serving with the Air Force in Washington, D.C.

O'Toole, Marty, '54, is working for the Michigan State Highway Department.

Walin, William, '54, was married last summer and is now stationed in Hawaii with the Air Force.

Wilko, Steve, '54, is serving with the Navy. This winter he had the opportunity to try for the Olympic Cross Country Ski Team at Walla Walla, Wash.

Baewler, Dale, '55, was recently married and is now working for the Shell Oil Co., Houston, Texas.

Makarevsky, Frank, '55, is Superintendent of Public Works in Wauhin, Ontario, Canada.

McChesney, Robert, '55, is completing work on his master's degree in mining at Mich. College of M & T.

Jensen, Norman, '55, was married recently and is serving with the Air Force at San Antonio, Texas.

Robertson, C. A., '55, is serving with the Air Force at Wright Patterson AFB, Ohio.

Christensen, Lowell H., '56, is with McDonnell Aircraft, St. Louis, Mo.

Dick, Richard A., '56, and Heilela, Gary A., '56, are in the explosives sales department, Atlas Powder Co., Wilmington, Del.

Katonias, George, '56, is a research engineer with M. A. Hanna Co., in Hibbing, Minn.

Koteles, Joseph J., '56, is a design engineer with Manning, Maxwell & Moore Inc., Muskegon Heights, Mich.

McKee, Ronald L., '56, is with International Business Machines, Poughkeepsie, N. Y.

Mazner, William A., '56, is with the Ladish Co. in Cudahy, Mich.

Post, David P., '56, is a looper with Bethlehem Steel Co., Bethlehem, Pa.

Robertson, John A., '56, is with Sohio Petroleum Co., Oklahoma City, Okla.

### GAMMA

McNeill, Harry L., '24, is assistant manager of the mining department, Stearns Roger Mfg. Co., Denver, Colorado.

Bliss, Paul D., '26, now lives at 1408 East 40th St., Savannah, Ga.

Striart, Robert W., '32, is a Reserve Engineer for the Phillips Petroleum Co., and mail can be sent to 235 E. 18th, Bartlesville, Okla.

Volin, M. E., '33, resigned from the position of Chief of the Branch of Base Metals, U. S. Bureau of Mines, Wash-

ington, D. C., and is now Director, Bureau of Mineral Research, Michigan College of Mining & Technology.

Ripley, George H., '36, now lives at 2007 Fairfield Drive, Weston Manor, Wilmington, Del.

Schiele, W. R., '41, can be addressed at 420 Monte Athos, Mexico 10, Mexico City, D.F., Mexico.

Petty, John M., '42, is assistant general superintendent for Climax Molybdenum Co., Climax, Colorado.

Burpee, William P., Jr., '43, is presently stationed in England with the 801st Engineer Aviation Battalion.

Harpke, Carl F., '54, is on military leave from Stanolind Oil & Gas Co., and mail should be sent to him c/o 703 Engr. Light Equipment Co., APO 154, New York City.

### DELTA

Gray, Gordon N., '31, has been appointed to the position of manager of manufacturing for all Bryant plants. Bryant is a division of the Carrier Corp. Plant manager of Bryant's headquarters at Indianapolis, Ind. since 1953, he will take over the manufacturing supervision of the firm's plants at Tyler, Texas and New Lexington, Ohio.

Roodman, Frank, '31, who is with the Austin Co., is constructing a development center for the Boeing Aircraft Co. in Seattle and can be addressed at 4107 92nd Ave., S.E., Mercer Island, Wash.

Leslie, Dana D., '32, now lives at 721 27th Ave., San Mateo, Calif.

Jacobus, Harland G., '32, is now manager, advertising and market research, accessories div., Thompson Products, Inc., Cleveland.

Osgood, Seth P., '38, has been promoted by the American Steel and Wire Division of the U. S. Steel Corp. to division engineering superintendent, engineering and maintenance, Joliet, Ill., Works. He has been with the firm since 1938.

Liechty, David H., '41, has been promoted to chief engineer at Mohawk Rubber Co., West Helena, Ark. He has been with Mohawk since 1956, starting as a plant engineer.

Rehman, Jack, '46, is manager, production engineering, Lord Mfg. Co., Erie, Pa.

Cannam, Walter, '51, is development engineer with Accupet-General Inc., Sacramento, Calif.

Gallagher, Lee E., '51, now lives at 63 Locust Drive, Morris Plains, New Jersey.

Leibensberger, Claude E., Jr., '11, is a flight test engineer at Bell Aircraft Corp., Ft. Worth, Texas.  
 Rush, David, '11, is a salesman with Hilton & Rush and lives at 323 Natel Drive, Euclid, Ohio.

### EPSILON

Davis, E. Fred, '10, a consulting geologist, lives at 19873 Lorenzita Drive, Covina Highlands, California.  
 Lawson, Andrew Werner, '12, is Vice President and Director of George Fry & Associates, Inc., management consultants in Chicago, Illinois. He returned a few months ago from a year in Persia, and on Feb. 1, 1956, celebrated his 40th wedding anniversary.  
 Struttel, J. J., '33, is vice president to general manager of Wah Chang Ming Corp., 137 Clarke St., Bishop, Calif.  
 Price, Paul M., '37, is now Chief Engineer for the American Chrome Company at their mine. He gets mail at 145, Nye, Montana.  
 Reed, George F., '37, is assistant manager, Wah Chang Ming Corp., 137 Clarke St., Bishop, Calif.  
 Clare, Jack, '40, is a geologist for Superior Oil Co., in Bakersfield, Calif.  
 Cole, Rordon J., '42, has recently accepted a position with the firm of A. Teichert & Son, engineering contractors of Sacramento, Calif. Previously he was working for the American Smelting and Refining Company near Colville, Washington. At present he is Assistant Superintendent on a State Freeway Project near Turner Station, California.  
 Pausa, Edward C., '53, Ltjg. USN, may be addressed at USS GULL (MHC46) c/o F.P.O., San Francisco, Calif.  
 Wardle, William C., '55, may be addressed at the Stanolind Oil and Gas Co., P. O. Box 3092, Houston 1, Texas, Attn. Paleontology Lab.

### ZETA

Johnston, Fred E., '12, is retired and living in Sallisaw, Okla.  
 Coats, Charles M., '13, can be reached through 107 Schweitzer Bldg., Wichita, Kansas.  
 Hostetler, Curtis B., '13, is chief engineer for the Copper Cities Copper Co., in Miami, Arizona.  
 Ward, R. B., '13, has returned to America from Australia to be resident engineer on the raising of two dams at Lake Mathews. Home is at 4106 Van Buren Blvd., Arlington, California.

Butler, John S., '14, is president of Butler and Butler—Contractors, and can be found at 10817 Santa Monica Blvd., W. Los Angeles 25, Calif.  
 Tholen, C. W., '14, serves as president of Tholen Bros. Supply Company. Mail reaches him at 814 6th Ave., Leavenworth, Kansas.  
 Bliss, John Lawrence, '16, 12 Windsor Lane, Kirkwood 22, Mo., serves as president of the Universal Filter Company.  
 Burton, Willard A., '16, is presently staying at Cedar House, Inc., 204 East 11th, Ottawa, Kansas.  
 Vawter, Jamison, '16, Past Grand Regent of Theta Tau is living at 614 W. Washington in Urbana, Ill., where he is a professor of civil engineering at the University of Illinois.  
 Cooley, S. J., '17, is presently an industrial Commissioner for the C. M. St. P. & P. R.R. Company. He can be reached at 1405 Vine Ave., Park Ridge, Ill.  
 Orton, James W., '17, resides at 18920 Sorrento, Detroit 37, Mich., where he is a Sanitary Engineer in the City Engineer's office.  
 Wakenhut, C. J., '17, lives at 201 S. 12th Salina, Kansas. Brother Wakenhut is an engineer for Wilson and Co., Engineers.  
 Holt, Hobart C., '18, collects his mail at 115 N. North and South Road, University City 5, Missouri. He is assistant to the vice president and comptroller for the St. Louis-San Francisco Railway Company.  
 Mahan, Joseph R., '19, Hawthorne and Fox Chapel Road, Pittsburgh 38, Pennsylvania, is Director of Engineering for the National Supply Company.  
 Bunn, John, '21, is now in the physical education department at Colorado State College, Greeley, Colorado.  
 Walstedt, John R., '21, is vice president and regional manager of Waddell & Reed, Inc., Kansas City, Mo. His address is now 8445 Linden Lane, Prairie Village 15, Kansas.  
 Edwards, Leon E., '22, is currently residing at 53 Park Place, New York 7, N. Y.  
 Shelton, E. Palmer, '22, is District Manager for the Chicago Bridge and Iron Co. He can be contacted at 1645 E. 21st Street, Tulsa 14, Okla.  
 Harris, Clarence A., '23, picks up his mail at P.O. Box 221, Emporia, Kansas, where he is a division engineer for the Kansas Power and Light Co.

- Kindsater, Emil F., '23, will direct the development of a large potash deposit in southeast New Mexico. He is the president of the Farm Chemical Resources Development Corp. of Oklahoma City, Okla. Home will be at 602 West Green St., Carlsbad, New Mexico.
- Jones, Wallace M., '25, 56 Francisco Ave., West Caldwell, N. J., is a manager for the Radio Corporation of America.
- King, Ralph M., '25, gets his mail at Box 307, Stuttgart, Arkansas, where he serves as vice president of Layne-Arkansas Company.
- Johnson, O. K., '26, resides at 307 Woodbury Lane, Topeka, Kansas. He is owner of the O. K. Johnson Electric Construction Company.
- Boggs, Robert L., '27, 861 Valleyview Road, Pittsburgh 16, Pennsylvania, is vice president of Production with the Gulf Oil Corporation.
- Patterson, R. S., '27, resides at 6510 Pennsylvania, Kansas City 13, Mo., where he is associated with Black and Veatch.
- Patterson, W. L., '27, is a Principal Engineer for Black and Veatch, consulting engineers. His address is 631 W. 66th Terrace, Kansas City, Missouri.
- Perkins, C. E., '27, is City Manager for the City of Glendale, Calif. Gene's address is 2429 Sylvan Lane, Glendale 8, Calif.
- Gebbs, R. R., '28, is Far East Manager-Vice President for Morrison-Knudsen Co. Inc., 120 Montgomery St., San Francisco 5, Calif.
- Hazard, Stuart G., '28, 1308 College Ave., Topeka, Kansas, is a partner in Servis, Van Duren & Hazard.
- Little, Don C., '29, now a Colonel in the U. S. Army, gives his new address as the National War College, Washington 25, D.C.
- Rush, Elmer H., '29, resides at 1619 Enright Drive, Indianapolis 8, Indiana. He is Senior Development Engineer with the Shell Oil Company.
- Hensley, Marvin S., '30, 4004 West 18th St., Mission, Kansas, is Chief Industrial Engineer for Sears, Roebuck and Co.
- Hughes, H. George, '30, resides at 2103 Burnett Road, Topeka, Kansas.
- Tucker, Lewis R., '30, is Chief Geophysicist with the Socony-Mobil Company. He can be reached at Room 750, 26 Broadway, New York City, N. Y.
- Bonjour, Donald E., '32, is Chief of Plant with the Kansas City District of the Corps of Engineers. His mailing address is 13416 W. 91st Terrace, Lenexa, Kansas.
- Clutz, Charles W., '33, was recently appointed as Superintendent of Parts Manufacture-Hawk Eye Works, Eastman Kodak Co. His mailing address is 555 Sagamore Drive, Rochester 17, N. Y.
- Patt, Dana, '33, resides at 15 Gill Road, Haddon Field, N. J., where he is employed by the Radio Corporation of America.
- Dwyer, T. Paul, '34, lists his address as 5531 Roe Ave., Mission, Kansas.
- Stark, Donald A., '34, lists his mailing address as Mentor Services and Research, Inc., 2470 Mentor Ave., Mentor, Ohio.
- Carter, William R., '35, at present Engineer of Structures with the Pacific Fruit Express Co., gives his address as 2290 Greer Road, Palo Alto, Calif.
- Christianison, Lloyd F., '35, is president of Electronics Associates, Inc., of Long Branch, New Jersey.
- Lawn, Max F., '36, 4631 Steins St., St. Louis 16, Mo., is with the St. Louis District of the Corps of Engineers, serving as Head of the Structural Section.
- Maloney, J. O., '36, left this year on a Fulbright lectureship to Alexandria University, Alexandria, Egypt. At the present time he is in Rome awaiting easing of the Suez situation.
- Bent, Lewis W., '37, is Assistant District Superintendent with the Production Department of Phillips Petroleum Co. He gets his mail at P.O. Box 337, Phillips, Texas.
- Barnett, Donald A., '37, 2304 Albion, Denver, Colorado, is a Partner in the Consulting firm of Technique Associates.
- Kurth, Dought D., '40, resides at 5309 Pason, Kansas City, Mo. He is employed by the Butler Manufacturing Co. in Kansas City.
- May, Vernon A., '40, resides at 2503 W. 73rd St., Los Angeles 43, Calif. He is District Sales Engineer with the Marley Company.
- Bae, Charles J., '41, is at Texas Tech in Lubbock, Texas teaching Mechanical Drawing and completing his Ph.D.
- Hammond, C. T., '41, resides at 108 Christy Road, Battle Creek, Mich., and is employed by the Smith-Hammond Piping Company.
- Rohler, C. W., '44, 1505 Monument Road, Ponca City, Okla., is now Chief Process Engineer with the Cities Service Oil Co.

Paulette, Charles, '46, and family live in Springfield, Va.

Kunkle, Robert, '47, is assistant technical engineer at Detroit Edison's River Rouge Plant. He served in the Navy during World War II, is married and has three children at the home in Allen Park, Mich.

Weldon, B. D., '47, is employed as an engineer for the Skelgas Division of Skelly Oil Company. His address is 9007 W. 70th Terrace, Prairie Village 15, Kansas.

Hansen, Edward P., '48, resides at 11402 Calico Lane, Houston 24, Texas. He serves as an Engineer for the Marley Company.

Montfort, John Gordon, '48, is now district superintendent with the Southern Pacific Pipe Lines of Los Angeles at the Colton, Calif., office, but home is at 1050 Cedar, Redlands, Calif.

Rumph, Richard G., '50, presently serves as an engineer with the Bendix Aviation Corporation. His present address is 7601 Snr-A-Bar Cutoff, Kansas City 29, Mo.

Bruce, Thomas E., '50, 7109 E. 107th Street Terrace, Hickman Hills, Missouri, is a design engineer with the J. F. Pritchard & Co.

Webber, David L., '51, 17 Jenny Lane, Indianapolis, Ind., is an experimental engineer with the Allison Division of General Motors Corporation.

Rae, Bill E., '52, gives his address as Box 804, Ulysses, Kansas. He works for the Stanolind Oil Company.

White, Kenneth Neil, '54, 2044 South 10th Terrace, Kansas City 6, Kansas, is employed as a design detailer with Howard, Needles, Tammen, & Bergendoff.

Bruce, Robert F., '55, is currently serving as assistant air installations engineer at Clinton-Sherman Air Force Base. He can be located at 217 S. Oliver, Elk City, Oklahoma. He is the proud father of a new baby boy.

Engle, Joe, '55, was recently married to Mary Lawrence in Kansas City. Mary's father is a Zeta alumnus.

Johnson, Vern, '55, 6617 Park, Kansas City, Missouri, is employed as a sales engineer with the American Blower Corp.

Peyton Edwin B., '55, 2nd Lt., recently was graduated from the 14-week officers basic course at The Engineer School, Fort Belvoir, Va.

Taylor, Laurence W., '55, now a Second

Lt. with the USAF at Edwards Air Force Base. Larry gives his address as 115 12th, Edwards, Calif.

Brunker, Les, '56, spent the summer in St. Louis, but now has transferred to Remington Rand in St. Paul, Minn.

Trott, Dale, '56, is participating in the engineer-training program of General Electric. His first assignment was the development of a high temperature Thermocouple for jet engines.

## THETA

Wood, Roy U., '14, has retired from business and his new address is Green Hill Road, Madison, Conn.

Work, Lincoln T., '21, consulting engineer, has moved his offices to Room 809, 16 West 44th St., New York 36, N.Y.

Hyde, Arthur D., '26, ex Kappa, is a member of the board of directors of the A. O. Smith Corp., Milwaukee, Wisconsin. He is also vice president and administrator of the General Mills chemical division.

Theobald, John, '27, deputy mayor of New York City received the honorary degree of Dr. of Science at Wagner College, Staten Island, New York, in June.

Read, Donald B., '34, has been in Golconda, Nevada, dismantling the tungsten plant there which he operated until 1946. He is now plant manager for Metal & Thermit Corp. in South San Francisco, Calif., East Grand Ave.

Raus, Eldred Lyle, '34, is employed by the Tidewater Oil Co., Delaware City, Delaware, and may be addressed at 27 Park Drive, Silverbrook, Newark, Delaware.

Chudoba, Albert L., '38, may be addressed at 7 Eli Road, Colonia, New Jersey.

Ploss, George, '40, MS '42, is on the staff of the faculty of business at Western New England College, Springfield, Mass. He is also assistant to the works manager at the Gilbert & Barker Mfg. Co., West Springfield, Mass.

Schubert, R. W., '43, is assistant director of laboratory operations in the research and engineering division of I.B.M. in New York City.

Atwood, John G., '46, is now director of engineering in the instrument division of the Perkin-Elmer Corp., Norwalk, Conn.

Guarino, Nicholas J., '51, reports the birth of a son on April 18th, 1956. The family home is at 5809 Hendon Ave., Dayton, Ohio.



**Passant, Henry L.**, '53, is a chemical engineer in the East Coast technical service division of the Esso Standard Oil Co. in Linden, New Jersey. Mail should be sent to him at 63 East 9th Street, New York 3, N.Y.

### IOTA

**Boyd, Robert K.**, '41, is general superintendent of all highway jobs for the Guy F. Atkinson Construction Co., and his home address is 1729 Palm Ave., San Mateo, Calif.

**Elouick, James L.**, '55, 2nd Lt., recently was graduated from the 14-week officers basic course at the Engineer School, Fort Belvoir, Va.

### LAMBDA

**Forrester, Donald**, '28, is the new Dean of the School of Mines at the University of Arizona, Tucson, Arizona.

**Jones, George M.**, '28, is now with the Sierra Machinery Co., 307 Morrill Ave., Reno, Nevada, and home is at 251 West Arroyo, Reno.

**Ramo, Simon**, '33, is executive vice-president, the Ramo Wouldridge Corp., 8820 Bellanca Ave., Los Angeles 49, Calif. and home is at 276 Tavistock St., Los Angeles 49, Calif.

### MU

**Woodman, L. A.**, '38, is an associate professor of civil engineering at the University of Alabama. His address is Box 1267, University, Alabama.

**Morgan, Patrick N.**, '39, is manager of sales, Combustion Engineering, Inc., Chattanooga, Tenn. He was promoted to his present position on January 1, 1956.

**Beam, Jack**, '42, is an aerodynamicist with Convair in Fort Worth, Texas.

**Jordan, William D.**, '42, is an associate professor of engineering mechanics at the University of Alabama. His home address is 93 Cedar Crest, Tuscaloosa, Ala.

**Whitehurst, Robert N.**, '43, is an assistant professor of physics at the University of Alabama. He has built a home at 29 Arcadia Drive, Tuscaloosa, Ala.

**Blanciak, A. E.**, '44, is an aerodynamicist with North American Aviation in Los Angeles, California. Whitey makes his home at 1209 Manzanita Lane, Manhattan Beach, California.

**Pfau, Louis H.**, '44, operates the Altek Service Company in Tuscaloosa. His

home is 1700 3rd Street, Tuscaloosa, Alabama.

**Killingsworth, Roy W.**, '45, has been promoted to Assistant Dean of the College of Engineering at the University of Alabama. He receives his mail at Box 1883, University, Alabama.

**Maisel, Murry**, '45, operates the Maisel Construction Company in Mobile. His home is 163 S. Monterey, Mobile, Alabama.

**Rey, William K.**, '45, is an associate professor of aeronautical engineering at the University of Alabama. Mail address is Box 664, University, Alabama.

**Robinson, Ross B.**, '47, is with NACA at Langley Field, Virginia. His home address is 513 Chapel Street, Hampton, Virginia.

**Sipe, Charles A.**, '47, is located at 1614 Washington Ave., Kingsport, Tenn. He is a construction engineer with the Mountain Construction Company in Kingsport.

**Ely, Richard E.**, '48, is on leave from Redstone Arsenal to complete requirements for his M.S. degree at the University of Alabama. His present address is 1F University Courts, Tuscaloosa, Alabama.

**Gogan, Harry L.**, '48, is at the Air Force Special Weapons Center, Kirtland AFB. Mail address is 2911 General Chennault St. N.E., Albuquerque, New Mexico.

**Jordan, Glen S.**, '48, is working with Tredit Construction Company. Mail address is 928 N. Main, Belle Glade, Florida.

**Cudworth, Allen L.**, '49, is an acoustical engineer with the Liberty Mutual Insurance Co., Boston, Mass.

**Stapleton, William**, '49, is an assistant professor of electrical engineering at the University of Alabama. Mail address is Box 1181, University, Ala.

**Blackman, Arthur Wade**, '49. Present address is Research Dept., United Aircraft Corp., Manchester, Conn.

**Deep, Raymond A.**, '49, is a research engineer at Redstone Arsenal residing at 59 Bide-A-Wee, Huntsville, Alabama.

**Moxley, S. D., Jr.**, '49, is working with the Continental Oil Company. His address is 715 N. Elm, Ponca City, Okla.

**Asquith, Robert C.**, '50, is living at 732 Allen Street, Syracuse 10, New York. He is working for General Electric in Syracuse.

**Butler, Frank M., Jr.**, '50, is an electronic engineer at Eglin AFB. His home is at 28 S. Elliotte Rd., Fort Walton, Florida.

*Carr, James B.*, '10, resides at 306 Spring-hollow Road, Circleville, Ohio.

*Gustafson, Ken*, '10, is with Chance-Vought Aircraft Co. in Dallas, Texas.

*Brown, Jack C.*, '11, is serving as an instructor of engineering drawing at the University of Alabama. His home address is 3819 Vassar Drive, Tuscaloosa, Ala.

*Rey, Robert F.*, '11, is living at 220 Mt. Vernon Place, Newark 6, N.J. and working for the Bell Research Labs.

*Whitney, David*, '11, is working with the CAA in California. He makes his home at 5651 W. Manchester Blvd., Los Angeles 45, California.

*Samuels, Julian J.*, '12, is working for the Humble Oil Co. in Baytown, Texas.

*Drake, Kyle S., Jr.*, '13, recently was promoted to first lieutenant at Fort Leonard Wood, Mo., where he is a member of the Specialist Training Regiment. He is an instructor in Company B of the regiment's 15th Battalion.

*Hallab, Raymond M.*, '15, is serving as an instructor of engineering mechanics while working on his M.S. degree at the University of Alabama. His mail address is Box 1907, University, Alabama.

*Mahone, Gerald*, '15, is an aerodynamicist with Convair. His home address is Karen Circle, Fort Worth, Texas.

*Jordan, John, Jr.*, '16, is with the Gulf Oil Company in Tupelo. Mail address is 33 N. Green Street, Tupelo, Miss.

*Pincha, Philip Joseph*, '16, may be addressed at 7925 Balboa Blvd., Van Nuys, Calif.

## NU

*Fetke, Charles Reinhard*, Hon. Nu, has retired as professor of Geology at Carnegie Tech. Home is at 1118 Wightman St., Pittsburgh 17, Pa.

*Jones, Webster Newton*, Hon. Nu, has retired as a teacher at Carnegie Tech to accept a position with the Pittsburgh Plate Glass Co., One Gateway Center, Pittsburgh 22, Pa.

*Fischer, Carl W.*, '21, resigned his position with the Pittsburgh Railways Co., and has gone into business for himself as a hardware dealer in Avalon, New Jersey.

*Evans, Henry P.*, '32, is a staff consultant for C. P. Braun & Co., 1000 South Fremont Ave., Alhambra, California.

*McKessell, Raymond F.*, '36, now professor of economics at the University of Virginia, and Miss Irene Elsie Langdon

of Washington, D.C. were married in Charlottesville on Feb. 18, 1916.

*Barto, John W.*, '37, lives at 9115 Ridge Blvd., Brooklyn 8, N.Y.

*Robey, Harry F.*, '37, is General supt. of construction, Aluminum Co. of America.

*Dodds, Robert M.*, '44, has his own engineering firm, Lorenzi, Dodds & Gunnell, Berger Bldg., Pittsburgh 19, Pa.

*Bingham, R. S., Jr.*, '46, is a senior engineer, Quality Control Branch Research & Development, Carborundum Co., Niagara Falls, N. Y.

*Weber, Karl B., III, Capt.*, '47, took part in LOGEX 56, one of the Army's largest peacetime logistical exercises, at Fort Lee, Va. He is regularly stationed at Fort Belvoir, Va.

*Anderson, Richard M.*, '48, is senior petroleum engineer with Sinclair Oil & Gas Co., Ft. Worth, Texas.

*Newbert, Vernon H.*, '48, is a graduate student and instructor at Yale University, New Haven, Conn.

*Pettigrew, David W.*, '48, has been appointed administrative assistant to the American Zinc Institute, New York. He was formerly a sales engineer for Swindell-Dressler, Inc., Pittsburgh.

*Grace, John N.*, '49, is living with his wife and two sons at 112 Heather Drive, Pittsburgh, Pa.

## OMICRON

*Stratman, William J.*, '49, of Burlington, Iowa, was ordained to the Roman Catholic priesthood in June.

*Compton, Earle F.*, '51, now lives at 200 Brittany Lane, Belleville, Ill.

*Winslow, Wayne R.*, '54, is industrial sales engineer for Standard Oil Co. and lives at 3725 Eastern Ave., N.E., Cedar Rapids, Iowa.

*Fada, Chuck*, '56, writes that he is now Lt. Charles V. Fada, U.S.A.F. and is now in Navigator Training at Ellington Air Force Base near Houston, Texas. He will graduate from there July 9, 1957. For a time last spring he was employed as a Research Engineer in the LHF laboratory at the Boeing Airplane Co., Wichita, Kansas. He was called to active duty March 16th. His present address is: Box 900, Ellington Air Force Base, Houston, Texas.

*Flagel, LaVerne*, '56, who received his degree in Civil Engineering from Iowa U. in June, is employed by Phillips 66 and is doing construction work for

- them. He is located at Des Moines, Iowa.
- Giblin, Thomas E. '16, worked for the National Security Agency in Washington, D.C. from the time of his graduation in June until the first of this November. He is now Second Lieutenant Tom Giblin, U.S.A.F., serving at Scott Air Force Base, Belleville, Ill.
- Hansel, George L. (Gus). '16, the immediate Past Regent of Omicron Chapter, is stationed at Ft. Sam Houston, Texas, where he is serving in the Medical Service Corps as a Second Lieutenant. Latest word has it that he has made several sojourns down into Mexico, personal trips that is, to see the sights!
- Hansen, Donald, '16, is now a Design Engineer with the Joy Manufacturing Company. He received his BSME at Iowa U. in June. His present address is Juniper Hill, Claremont, N. H.
- Parker, Jay, '16, has returned to his hometown, Rockford, Ill., where he is employed by the Woodward Governor Company as a Mechanical Engineer. He is doing work in thermodynamics for his company.
- Pecina, Richard Wayne, '16, and Miss Joan Doris Steffenson were married on June 3, 1956, in Cedar Rapids, Iowa.
- Ulch, Darrell J., '16, 2nd Lt., recently was graduated from the 14-week officers basic course at The Engineer School, Fort Belvoir, Va.
- Westwick, John, '16, and Miss Carol Rasmussen were married in June in Audubon, Iowa.
- Young, Donald B., '16, is now employed in the Industrial Engineering Dept. of Oscar Mayer Co. He is also a Past Regent of Omicron Chapter. Latest word has it that he is very happy with his job, but the greatest excitement around his household is caused by the Young's latest arrival. They are the proud parents of an adopted daughter, Julie Ann, age 16 months. He and his wife have just moved into a new home which they built. Their address is 3613 Milwaukee, Madison, Wisconsin.
- PI**
- Black, Frank S., Jr., '16, 2nd Lt., recently was graduated from the 14-week officers basic course at The Engineer School, Fort Belvoir.
- SIGMA**
- Smith, Charles P., '29, has offices as a consulting engineer in Baltimore, Md., and can be addressed at 2 East Preston.
- Cisler, Lewis D., '37, is sales manager, culvert division, Republic Steel Corp., Canton, Ohio.
- Rowland, George E., '38, is superintendent of maintenance & construction, Oldsmobile division of General Motors, Lansing, Mich.
- Sullivan, Joseph F., '39, is an engineer with Service Products Buildings, Inc., Columbus, Ohio.
- Gibb, George H., '40, is product design engineer on Steam Turbines for General Electric in Swampscott, Mass.
- Stewart, Robert C., '47, reports the birth of a daughter, Cynthia Sue, in May, 1955. Mailing address is 99 North Front St., Columbus, Ohio.
- Cowden, Lewis M., '51, is a project engineer, Linde Air Products Co., Indianapolis, Ind.
- Minderman, E. John '51 is supt. of plant engineering, U. S. Gypsum Co., Shoals, Ind.
- Monahan, Norman R., '51, is an electrical engineer with the Ohio Edison Co., in Akron, Ohio.
- Rolo, Wm. J., '52, is an assistant construction engineer for Anchor Hocking Glass Corp., Lancaster, Ohio.
- Johnson, Earl T., '53, resides at 5 Beuze Blvd., Battle Creek, Mich.
- Klimko, Charles A., '54, is a junior development engineer with Goodyear Aircraft, Akron, Ohio.
- Papaioan, Ionel M., '55, is a development engineer with Goodyear Aircraft in Akron, Ohio, and can be addressed at 201 Fuller.
- Busman, Dale R., '56, is with Battelle Memorial Institute, Columbus, Ohio. His address is 56½ East Woodruff Ave., Columbus, Ohio.
- Gilchrist, Charles F., '56, is aeronautical engineer with North American Aviation Inc., Columbus, Ohio.
- Mayers, Robert G., '56, is an engineer with the military products division of IBM in Kingston, New York.
- Floyd, James K., '56, may be addressed at 48 W.N. Broadway, Columbus, Ohio.
- Fluennersfelt, William L., '56, lives at 4890 Solar Drive, Columbus, Ohio.
- Irons, Fred H., '56, may be addressed at 389 Beacon St., Boston, Mass.
- Knowles, Robert C., '56, gives his address as 309 Walnut St., Pelee, Ohio.
- Lammers, Kurt, '56, lives at Minister, Ohio.
- Lucas, L. Kenneth, '56, may be addressed at 402½ Sinclair Ave., Haledon, Okla.
- McBeth, James, '56, may be addressed at 906 Rice Ave., Lima, Ohio.
- Metzger, Donald D., '56, is living at 457 Beacon St., Apt. 9, Boston, Mass.

Rawlings, Dale E., '56, is living at 24350 Garden Drive, Apt. 1406, Euclid, Ohio.  
 Willis, David T., '56, may be addressed at 307 E. Burgess St., Mt. Vernon, Ohio.

### TAU

Conza, B. J., Hon., a former professor at Syracuse University is now teaching at Cornell University.  
 Grube, John V., '27, has been construction foreman for the New York Telephone Co. since 1949.  
 Hall, Theodore P., '27, has been chief engineer for Consul Vulture since 1949.  
 Digney, Kenneth A., '31, has been president and general manager of the Oberdorfer Foundries in Syracuse since 1949.  
 Foghtonger, Robert B., '40, is the owner of a builders supply company.  
 Jones, Robert H., '44, is now a process engineer for Brown-Lipe-Chapin Div., G.M.C. in Syracuse.  
 Chaffee, Ralph B., '46, has recently been transferred by The Pfauddler Co., Rochester, N. Y., to 2108 E. Michigan Ave., Lansing 12, Mich.  
 Cuswell, R. K., '47, may be addressed c/o Southern Adhesives Corp., 1501 West Moore St., Richmond, Va.  
 Hodge, William D., Jr., '52, is on the Physical Research Staff for Boeing Airplane Co. in Seattle.  
 Maceyska, Joseph G., '54, is the Supervisor of Tool Design for Link Aviation, Inc. in Syracuse.

### UPSILON

Smith, Austin B., '30, is head of the Maintenance Branch, Operations Division, U.S. Engineers, Vicksburg, Miss.  
 Eckler, Ernest H., '31, is with U.S. Engineers in Vicksburg, Miss.  
 Gordon, W. M., '31, Capt. USN, CEC, can be addressed at Quarters "O", U.S. Naval Shipyard, Portsmouth, N. H.  
 Thomason, Horace G., Jr., '32, has been transferred to Washington, D.C. for work in the office of the Chief, Ground Water Branch, U.S. Geological Survey.  
 Pierri, J. N., '46, is the manager of apparatus sale Div. of Westinghouse, in Little Rock, Ark.  
 Graves, John III, '49, reports the birth of a son. Home is at 552 Maple, Houma, La.  
 Brooks, Austin L., '50, reports the birth of A. L., Jr., on Feb. 16, 1956. Home is at 7933 Burgundy Lane, Cincinnati, Ohio.

McKinstry, Joe, '51, and Miss Thelma Jump were married in December, 1955. He is with Alcoa at Bauxite, Ark. and home is at 4412 West Markham, Little Rock, Ark.  
 Vineyard, Clifton D., '53, may be addressed at 527 North Whitham, University Apt. A-4, Fayetteville, Ark.  
 Beaver, Ruby, '54, Harvey, Edward, '54, and Holloway, Gene, '56, work for Chance-Vought Aircraft in Dallas, Texas. Their address is 2309 Anzio Ave., Apt. B, Dallas.  
 Bonner, James G., Jr., '54, is a procurement analyst for the air research and development command in Baltimore, Md. and home address there is 4901 York Road, Apt. B2.  
 Baum, Henry L., '56, works for the Humble Oil Company, Baytown, Texas. His address is 213 Forrest Drive, Newport, Ark.  
 Branigan, Thomas L., '56, General Electric Training Program, Louisville, Ky. His address is 1139 Cherokee St., Louisville, Ky.  
 Cunningham, William H., '56, is with the Missouri State Highway Commission, Willow Springs, Mo.  
 Daggett, Sam H., '56, is a Process Control Engineer, Sabine River Works at Orange, Texas. His address is 5101 W. 29th St., Little Rock, Arkansas.  
 Keeling, Hugh E., '56, is with the Phillips Oil Co., Bartlesville, Okla.  
 Kunk, James, '56, is with Cities Service Co. in Bartlesville, Okla.  
 Taylor, Thomas E., '56, is employed by the Magnolia Petroleum Co., Lake Charles, La. He may be addressed at P.O. Box 256, Malvern, Ark.  
 Vance, Henry Joe, '56, is with the McDonnell Aircraft Corp., St. Louis 12, Mo. His address is 738 Belt Ave., St. Louis, Mo.  
 Walker, James E., '56, is working for the Convair Aircraft Corp., Ft. Worth, Texas, and may be reached at 725 N. Jackson, Magnolia, Ark.

### PHI

Jackson, George L., '26, was installed this summer as President of the Western Society of Engineers which has 2500 members in the middle west. He is chief engineer of the Illinois Toll Highway Commission and lives at 2228 East 70th St., Chicago, Illinois.  
 Di Pasquale, Raymond A., '51, is president of the student chapter, American Institute of Architects at the University

of Illinois. He will get his degree in Feb. 1957.

Nottoli, Gene, '52, and his wife, Barb, are living in Munster, Indiana, where Gene works as a project engineer for Victor Chemical Works.

Wickert, Dick, '53, works for General Controls. He and his wife, Lois, and their two girls are living in Milwaukee, Wis.

Bunnell, Charles R., '54, 2nd Lt., recently completed the chemical, biological and radiological (CBR) officer course at the Army's Chemical Corps School, Fort McClellan, Ala.

Cottrell, Earl L., '54, has recently returned from 18 months of construction work in Haiti. He and his wife and two children are now living in Columbus, Ohio.

Hobby, Devon, '54, was released from active duty with the army in October. After returning from army assignment in France, he and his wife, Polly, have settled in Houston, Texas, where he is working for the Austin Construction Co.

Swanson, Walter, '55, is working as a design engineer for the Chicago Bridge and Iron Co. He and his wife, Joan, have one future engineer, named Charles, to their credit. They are living in Dolton, Ill.

Blohm, R. A., '56, is going to electronics school for the air force. He can be reached at the following address: Comm. Off. School, Scott AFB, 502½ E. Washington, O'Fallon, Ill.

Rhoads, D. E., '56, is working in Military Electronics as a project engineer for Motorola, Inc., in Chicago. He and his wife, the former June Reynolds, are living at 629 Deming Pl., Chicago 14, Ill.

## CHI

Chase, Charles H., '39, manager of Vulcan Iron Works Co. in Denver, Colo., and gets mail there at 450 Circle Drive.

Medford, Jay, '39, is now a Federal-aid Engineer, Arizona Highway Dept., Phoenix, Ariz. His address is 3640 N. 38th St., Phoenix.

Yaeger, Joseph, '41, has been appointed manager in Mexico City for the American Smelting & Refining Co. Home is at Sierra Leona 653, Lomas de Chapultepec, Mexico City, D.F.

Kinney, William H., '43, is assistant to the Vice President, Operations, for Kaiser Steel Corp., Kaiser Bldg., Oakland, Calif.

Wickes, Richard G., '47, may be addressed at Wickes Engineering and Construction Company, 12th Street and Ferry Ave., Camden 4, New Jersey.

Van Fleet, Tom, '49, is assistant supt. of Union Carbide Nuclear Co., in Rifle, Colorado.

Raggles, Guy Hall, Jr., '49, is a design engineer for Westinghouse Electric Corp. in Sharon, Pa.

Lucas, Jack, '51, gets his mail at Box 123, Ray, Arizona. He is a pit foreman for Kennecott Copper Corp.

Wenzel, Robert O., '51, is president of the Naturita Supply Co. Inc. in Naturita, Colorado.

Snyder, Leonard M., '53, recently was graduated from the petroleum storage course at the Quartermaster School, Fort Lee, Va. He was employed by Shell Oil Company in Los Angeles before entering the Army last May.

Krebs, F. C., '54, has a new home at 30 Tennyson Road, New Hartford, N. Y.

Beam, Robert, '55, is employed by the General Electric Co. in Louisville, Ky. Home is there at 3007 Melbourne.

Anderson, Arthur B., '56, is a field petroleum engineer for Schlumberger Well Surveying Corp. in Ventura, California.

Kohlhoff, Karl F., '56, 2nd Lt., recently was graduated from the 14-week officers basic course at the Engineer School, Ft. Belvoir, Va.

## PSI

Piper, Robert Davidson, '36, is assistant chief mining engineer with the Anaconda Company, Butte, Montana.

Boudiah, Frank, '39, received his Ph.D. from Kansas in 1956 and has left for a two year stay in France and his mailing address will be c/o Institut de Recherches de la Siderurgie, 185 Rue President Roosevelt, Saint-Germain en Laye, Seine et Oise, France.

Loughridge, K. D., '40, is assistant general superintendent of El Paso Smelting Works and his address is 4220 Larchmont Drive, El Paso, Texas.

duToit, P. J. G., '56, is with Tsumels Corporation, Ltd., Tsumels, South West Africa.

## OMEGA

Dahlgard, Dennis, '32, is a construction engineer for the Port of Seattle.

Berk, James, '37, can be addressed at 441 Stanford Drive, Arcadia, Calif.

Foster, Harold, '37, can be addressed at

Suite 416, 215 Broadway, San Diego, California.

Cleland, Maurice, '39, reports the birth of Corey Lee on April 17, 1956. Home is at 2141 Sunset Drive, Ventura, Calif.

Benn, William, '44, is district personnel manager for H. K. Ferguson Co. in Cincinnati, Ohio, and can be addressed at 2927 Lawndale Ave., Cincinnati 13, Ohio.

Hughes, William, '49, is associate professor of E.E. at Iowa State College, Ames, Iowa.

Schmitt, Nicholas, '49, is with General Electric in Schenectady, New York, and reports the birth of a daughter, Teresa Dee, born March 16, 1956.

Gamberg, Russell, '50, is a petroleum engineer for Empire State Oil Co., and home is 428 Big Horn Ave., Thermopolis, Wyoming.

Grams, Joe, '50, is assistant water engineer for the City of Manhattan Beach, Calif., and lives there at 726 Rosecrans Ave.

Ulvog, Carl, '50, reports the birth of a son, Eric Irvin, born May 4, 1956. Home is at 3213 Baumann, Midland, Texas.

Parsons, George L., '52, is construction engineer for the Texas Co., and his home is at 1126 10th St., N., Fargo, S. D.

Larsen, Wallace L., '53, is an assistant engineer with the Anaconda Co., and lives at 1611 Elm St., Butte, Montana.

Ryman, Michael, '53, is assistant mining engineer for Anaconda in Butte where home is at 1548 Elm St.

Leiter, Ken, '55, is completing his work for an M.S. at the University of Utah and expects to join the research staff of the A.S. & R. Co. in El Paso, Texas.

Fry, Llyall A., '55, 2nd Lt., recently graduated from the 14-week officers basic course at the Engineer School, Fort Belvoir, Va.

Skogen, Duane B., '56, is process engineer for the Continental Oil Co. and can be addressed at 1000½ East Grand, Ponca City, Okla.

Callen, Frank H., '48, is now a patent attorney and is in charge of the Washington office of the Burroughs Corporation. Previously he was with RCA for several years. His present address is 9408 Ballour Drive, Bethesda, Md.

Van Sickle, Robert H., '55, has a new address, Lt., USA, AO3047720, P.O. Box 1828, Tucson, Arizona.

Bell, Joseph Edison, '56, may be addressed at RFD #3, Box 219 W., Alexandria, Va.

Birmingham, Thomas Harlan, '56, lives at 2208 Chadwick St., Washington 21, D.C.

Brady, Melvin Michael, '56, lives at 391 Marlborough St., Apt. 3F, Boston 15, Mass.

Cauffman, James Alan, '56, may be reached at 104 Independence Ave., S.E., Washington, D.C.

Keever, Donald Bain, '56, gives his address as 3515 Canfield Ave., Los Angeles, Calif.

Mauhood, Samuel Allen, '56, was selected by the Engineering faculty of George Washington University as the outstanding Engineering senior of 1956, and was elected to "Who's Who in American Colleges and Universities." His address is 4836 Coliseum St., Los Angeles 16, Calif.

McConnell, George Jewell, '56, lives at 3122 N. 9th Road, Arlington, Va.

Oelke, Harlan J., '56, may be addressed at 1514 33rd St., N.W., Washington, D.C.

Robey, Paul Anson, Jr., '56, is working for Bethlehem Steel at Sparrows Point, Md.

Saunders, James Franklin, '56, receives his mail at Box 624, Warwick, Va.

Stamper, William Clark, '56, lives at 106 N. Thomas St., Arlington, Va.

Weir, Robert M., '56, lives at 3506 Minnesota Ave., S.E., Washington, D.C.

Yurou, Victor Roy, '56, returned to work for the Naval Ordnance Laboratory at White Oak, Maryland, following a two month visit to Europe this summer. His address is 6118 30th St., N.W., Washington, D.C.

### GAMMA BETA

Greeley, Charles E., Hon., who until recently was Gamma Beta advisor, is a mechanical engineer on the staff of Jenky and Bailey, an electronic engineering firm in Washington. His address is 7136 Muir Place, Alexandria, Virginia.

### DELTA BETA

Bradley, Alfred E., '54, PFC, is an instructor in construction drafting at the Engineer School, Fort Belvoir, Va. He was an assistant design engineer with the Texas Company in Port Arthur, Texas, before entering the Army.

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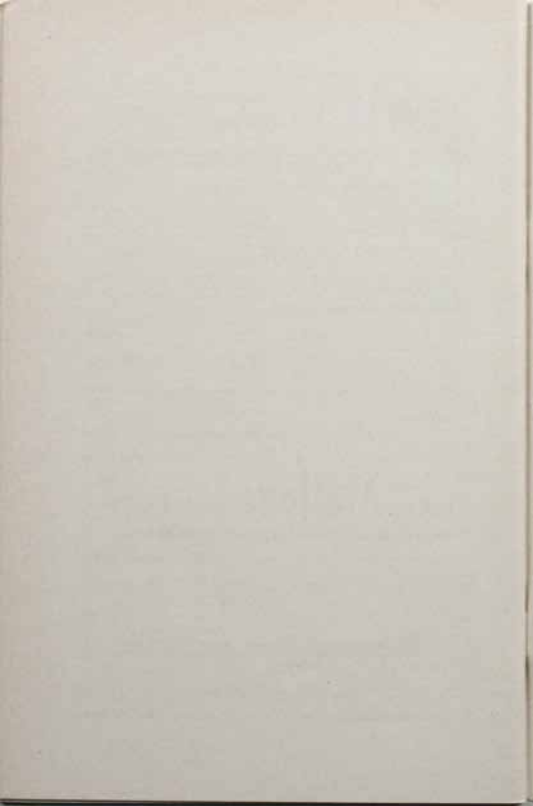
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