

THE GEAR of THETA TAU

Fall 1955

Volume XLV

Number 1

The GEAR of THETA TAU



FALL 1955

VOLUME XLV

NUMBER 1

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904
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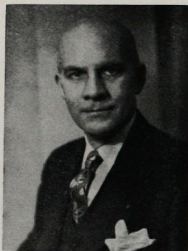


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Chapters

- 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
c/o Prof. Lute J. Parkinson, 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
c/o Prof. Walter LaPierre, Box 32, Engr., Columbia University,
New York City
- IOTA, Established February 5, 1916 - - - Missouri School of Mines
c/o 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 2043, University, Alabama
- XI, Established January 13, 1923 - - - University of Wisconsin
c/o Dr. G. A. Rohlich, 9 Hydraulics Laboratory, 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 Prof. Lawrence Quarles, Col. of Engr., Univ. of Virginia, University, Va.
- RHO, Established February 16, 1924 - N. C. State College of Ag. and Eng.
c/o Prof. T. C. Brown, M.E. Dept., N. C. State College, Raleigh, N. C.
- 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 U., Syracuse 10, N. Y.
- UPSILON, Established April 7, 1928 - - - University of Arkansas
(Chapter house) 612 Storrer 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, Care of Montana School of Mines, Butte, Montana
- OMEGA, Established March 26, 1932 - - - S. Dakota School of Mines
(Chapter house) 107 Kansas City St., Rapid City, S. Dak.
- GAMMA BETA, Established March 16, 1935 - George Washington University
Student Union Office Bldg., George Washington Univ., Washington, D. C.
- DELTA BETA, Established May 20, 1939 - - - University of Louisville
(Chapter house) 2022 S. First St., Louisville, Ky.
- EPSILON BETA, Established May 19, 1951 - - - Wayne University
c/o Prof. Harold G. Donnelly, College of Engr., Wayne Univ., Detroit, Mich.

The Grand Regent Says



Just a year ago the thoughts of the whole Fraternity went out to Minneapolis joining with us present in honoring our Founders and in celebrating our fifty years of building engineers. All of you know of the successful sessions and the special convention occasions so well reported in the Spring GEAR. Having two of our four Founders with us was wonderful, but there was a great gap in our ranks when illness kept Erich Schrader from coming. We count it among our blessings to have word from Erich that he has recovered fully from last year's operation.

With the first year of our second half century gone by, it is a good time to check on progress and plans ahead. Our 24 chapters continue programs which have been their characteristic for many years. A good number of the chapters sent out excellent news letters, describing cam-

pus activities and some with alumni news notes.

If you alumni aren't hearing from your chapter, make sure they have your address, and send you their news. Several of the alumni associations have been holding fine meetings—you can take part in such valuable gatherings. Many of the alumni are in a position to help Theta Tau develop new chapters. If you can help—let Russ Glass know—he heads up the Past Grand Regents' committee working on expansion. And you alumni—whenever you can—drop in on your chapter—there is so much you can bring to the actives in their understanding of the Engineering Profession.

There is no limit on the program you actives in the chapters can carry out. There is so much that needs to be done on each campus. Just study over the report forms you send in for the Schrader Award committee—they will suggest dozens of worth-while projects. Read the GEAR reports of what other chapters are doing. One special for this year—do all you can with the planning and successful holding of our regional meetings. Every chapter is expected to have a good delegation attending these meetings which are being planned by Grand Vice-Regent Hal Donnelly and his committee. Preliminary figures indicate that engineering enrollments are up. This means we should have improved opportunities for pledging. Let's get good men and more of them. With the membership ceiling lifted

(Continued on page 20)

Spring Regional Meeting Tentatively Scheduled

The Regional Meetings of the fraternity for the spring of 1956 have been tentatively scheduled to take place in March at the host chapters indicated in the table below. It is not always possible to pick a date suitable to all chapters in the particular

regions, but it appears to be less inconvenient to meet on the dates shown than at other times. For each of the regions, the liaison-faculty-member brothers are given and the names of the chapters which will meet at the host chapter house.

REGION	I	II	III	IV
Host Chapter	Gamma Beta	Omicron	Sigma	Lambda
Faculty Liaison	C. Greeley	D. E. Metzler	E. D. Ayres	P. Linford
Chapters	Pi	Alpha	Delta	Chi
Participating	Rho	Beta	Delta Beta	Epsilon
with Host	Tau	Iota	Epsilon Beta	Gamma
	Theta	Upsilon	Mu	Omega
		Xi	Phi	Psi
		Zeta		
Exec. Council	N. B. Ames	P. L. Mercer	R. L. Noxon	C. W. Britzius
Dates	March 15	Late March	March 22-24	Early April

For some time there has been an effort to coordinate points of discussion at regional meetings in order to arrive at some consensus of opinion on the full fraternity scale. It is therefore contemplated that an agenda for each of the regional meetings will be concerned for the most part with items common to all, and have minor emphasis on problems which might be of peculiar interest to the chapters in particular regions.

Tentatively, the program agenda of general interest will be concerned with (1) Professional Development (2) Chapter Officer duties (3) Pledging procedures and code (4) Membership Selection and (5) Local Problems.

It is expected that each of the Chapters will have ideas of suitable nature for general discussion. Such suggestions should be valuable to the

national committee to assist it in formulating the final agenda. It is hoped that the agenda topics will be of sufficiently broad interest but few in number to make the discussions of adequate length to be quite fruitful to all participants. Suggestions should be sent directly to members of the planning committee with copies to the liaison executive council member. They should carry approval of the chapter making the suggestions.

Each of the Chapters involved should immediately be apprised of the difficulty of financing these regional meetings, and the practical impossibility of paying expenses for all members desiring to attend. In order, however, that the greatest number may attend, transportation is tentatively to be confined to automobiles, with each chapter expected to send one car of four members.

Other financial arrangements, the agenda, the instructions for traveling and lodging will be mailed to each of the chapters when they are completed.

It is earnestly hoped that those chapters which have not yet corresponded with their host chapter in connection with establishing the final meeting dates do so at their earliest convenience.

Host chapters should also inform

the Grand Vice-regent and their Executive Council member concerning this.

Brothers Lowell Noxon and Edgar Clark are serving with the Grand Vice-regent in organizing the meetings, and suggestions to them would be welcomed.

Harold G. Donnelly
Grand Vice Regent

Delta Men Receive Distinguished Service Awards

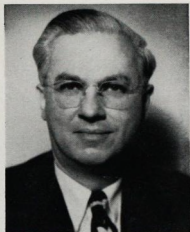


Awards were presented last April by T. Keith Glenman, President of Case Institute of Technology to two Theta Taus. Medallions were given to Dr. Sidney W. McCuskey and Dr. Robert S. Shankland for 25 years of distinguished service to Case and to mankind. Brother McCuskey is now the head of the mathematics department and Brother Shankland is the

head of the physics department. Brother Shankland is a native of Ohio and has been with Case since 1930. He received his Ph.D. in Chicago.

These men, like many other engineers, have branched out to other fields and both have become the head of their respective departments.

Case Alumnus

C. E. Crede Vice President, A.S.M.E.

Charles E. Crede, Nu '35, has been nominated a regional vice-president of The American Society of Mechan-

cal Engineers. He will take office at the Society's annual meeting this fall in Chicago after letter-ballot approval by ASME's 40,000 members. Crede is vice-president and chief engineer of the Barry Corporation, Watertown, Mass. From 1942 to 1944 he worked on shock problems for the Bureau of Ships, U. S. Navy, later serving as organizer and first superintendent of the Shock and Vibration Division, Naval Research Laboratory in Washington, D. C. Brother Crede is author of two technical books and has an M.S. degree from Massachusetts Institute of Technology. He is a past president of the Boston Carnegie Clan.

Carnegie Alumnus

C. N. Hollingsworth Advances

C. N. Hollingsworth, Jr., Nu '24, has been elected vice president of the Dravo-Doyle Company (Pittsburgh, Pa.). Brother Hollingsworth first joined the Dravo Equipment Company, a subsidiary of Dravo Corporation in 1924. When the Dravo Corporation was formed, the Dravo Equipment Company ceased to exist as a corporation and assumed the name Dravo-Doyle Company. Brother Hollingsworth was made Assistant Manager of the company which sells and rents construction and industrial equipment in the Tri-State area.

In 1948, Brother Hollingsworth became Sales Manager for Dravo-Doyle and three years ago was elected to the Board of Directors and made

General Manager. In his new position as vice president, he will retain the title of General Manager.

Carnegie Alumnus



Dick Van Gorp, Omicron '26, Chief Engineer, Chicago Bureau of Engineering



Dick Van Gorp became Chief Engineer of Chicago's consolidated Bureau of Engineering, in the Department of Public Works in January, 1953.

The Bureau encompasses about 95% of the engineering work for the City, including supervision of construction. It plans all capital Works Improvements, aside from the lighting of surface streets, and a certain amount of surface street resurfacing, which is carried on by the Department of Streets and Sanitation. The Bureau's activities include expressways, local transportation subways, bridges and viaducts, sewers, water works construction, filtration plant design and construction, as well as certain street repaving projects where such streets are widened, and channelization for traffic control. The

Bureau also has a Construction Division, under which certain work is done by day-labor forces.

Brother Van Gorp was born at Orange City, Iowa, where he received his elementary and high school education.

He worked for the Iowa Highway Commission as rodman on the first of the State's Federal Aid Highways in the northwestern part of the State in 1920; he worked summers for the same agency during his college period and one year (1924-25) as instrument man, and as Resident Engineer on highway and bridge construction.

He went to Chicago and started work in the engineering department of the Sanitary District of Chicago on July 1, 1926, following his graduation from the State University of Iowa in June. He has been in public works engineering in Chicago since that time. He served the Sanitary District for ten years and the Illinois Division of Highways in the Chicago District Office for two years. He returned to the Sanitary District for five years during the expanded Public Works Agency loan and grant program from 1934 to 1938.

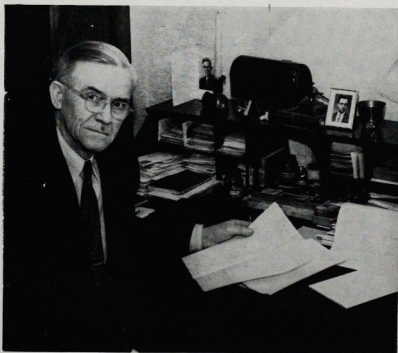
Brother Van Gorp went to the City of Chicago in 1938 at the inception of the Initial System of Subways program, when the Department of Subways and Super-highways was formed under the late Philip Harrington, and former Mayor E. J. Kelly.

Brother Van Gorp became Chief

Engineer of the Department in the fall of 1945, under V. E. Gunlock, Commissioner. He served as Chief Engineer and Deputy Commissioner until January, 1953, when he became

Chief Engineer of the City's consolidated Bureau of Engineering, in the Department of Public Works, the position he now holds.

"J. O." Retires



Jacob O. Jones

Starting out as a chemical engineer, Jacob O. Jones, Hon. Zeta, soon became interested in hydraulics. Except for a six year stretch at Minnesota University where he taught the subject, Brother Jones has been on the K. U. campus since 1915. Hardly an

engineering student gets out of K. U. without having this course. Besides his teaching duties Brother Jones was acting dean of the School of Engineering from 1943 to 1947.

Kansas Alumni Magazine

United Nations Family

There's a real United Nations flavor in the family of Mr. and Mrs. Jack Lubahn, Delta, '39, Schenectady, N. Y.

Besides Mom and Dad who are native born Americans, there are four adopted sons and daughters of other nationalities. Together, they set a fine example of international harmony.

Oldest of the quartet of children is Christopher who is nine years old. He is half Norwegian. Douglas, seven, is part Puerto Rican; Fern, six, has Syrian blood in her veins and Holly, four, is half Chinese. Chris joined the family when he was five days old. The others were slightly less than a year old when they became members of the Lubahn clan. Mr. and Mrs.

Lubahn believe their United Nations family is spaced just right.

"We wanted youngsters fairly close to one another in age," Brother Lubahn said, "then they would be able to play together. When asked if we'd take these children of various backgrounds, we said they would suit us fine. They get along very well. The two boys watch over their little sisters. The youngsters know they are adopted.

"Chris is all boy. He loves baseball, swimming and boating. Doug's different. He has a wonderful ear for music and can sing on pitch, but he doesn't like athletics. Fern is happy playing with dolls and toy trains. School doesn't interest her yet. Holly, who is a Christmas eve baby, is a lot like Douglas in personality. She loves attention, smiles and flirts."



Family of Jack Lubahn with his mother

Brother Lubahn is a metallurgical engineer at the General Electric Co. Research Laboratory, Schenectady. He met his wife while he was an instructor in the evening division at the Institute and she was a student in his class. In July, the entire family visited Brother Lubahn's parents, Mr. and Mrs. Fred Lubahn and Mrs. Lubahn's parents, Mr. and Mrs. John

M. Craun, Delta '17, in the Cleveland area. Brother Craun is a partner in the Craun-Liebing Co. with William A. Liebing, Delta '17.

In addition to sightseeing and visiting their grandparents, the United Nations children had a reunion with their great-grandmother, Mrs. Belle Van Sittert, who is 85 years old.

Case Alumnus

J. R. Donnell Made Vice President



Election of John R. Donnell, Delta '34, as vice president and director and his appointment as manager, supply and transportation department, Ohio Oil Co., Findlay, has been announced by company officials.

Brother Donnell has been with the firm since 1936, starting as a special representative in the executive offices and performing a variety of duties. In 1944, he became assistant to the manager of production and in 1950 was elected treasurer. Brother Donnell

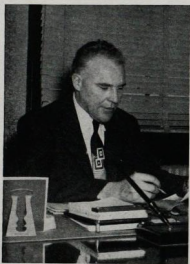
served in that capacity until January 1954 when he was named assistant manager of the supply and transportation department.

The new vice president has served as director of the First National Bank of Findlay since 1939 and chairman of the bank's board since 1947. Brother Donnell has been a director of the Platte Pipe Line Co., an affiliate of Ohio Oil, since 1950.

Active in youth betterment programs, Donnell is a member of the national board of the Boy Scouts of America and chairman of the Region Four Executive Committee. He is a recipient of Scouting's silver antelope and silver beaver awards for distinguished service.

Brother Donnell has served as a trustee of the Findlay First Presbyterian Church and is presently general chairman for the planning, financing and construction of its new church building costing over \$1,000,000. He served 12 years on the Findlay board of education including ten years as board president.

Case Alumnus

M. E. Volin Heads New Bureau

Melden E. Volin, formerly of the U. S. Bureau of Mines, has been appointed director of the newly-established Bureau of Mineral Research. His office will be in the recently-completed Ores Research building.

Brother Volin is a graduate of the Colorado School of Mines where he received his degree as Engineer of Nonferrous Metallurgy. He joined the Bureau of Mines in 1939 and in the following years was a supervisor of field parties engaged in surveying mineral resources throughout the Rocky Mountain and Far Western states. Later he became resident engineer on the first construction stage of the Leadville Drainage Tunnel in Colorado. In World War II he served in the Corps of Engineers in both the European and Pacific Theaters.

Brother Volin returned to the Bureau of Mines in 1946 as assistant to the chief mining engineer at the Salt Lake City Station. He was selected in 1949 to investigate mineral resources in Afghanistan. In 1950 he was appointed to the position of chief of the Mining Division of former Region 2, and in 1951 he made surveys of resources of strategic and critical minerals in North Africa for a government agency.

In January, 1954, Brother Volin was appointed regional director of Region 5, with headquarters at Minneapolis, Minn. In this position he directed Bureau of Mines activities in Minn., Mich., Wis., N. D., S. D., Iowa, and Neb., including the Bureau facilities of the Regional Office and Experiment Station at Minneapolis, the Charles R. Robertson Lignite Research Laboratory at Grand Forks, and field offices at Rapid City, S. D., Platteville, Wis., and Duluth, Minn.

With the recent reorganization of the Bureau of Mines, Brother Volin was transferred to Washington, D. C., to take over the duties of chief, Branch of Base Metals, Division of Minerals. His staff of twenty-nine were responsible for collecting, assembling, and publishing minerals statistics and related information on copper, lead and zinc, secondary metals and lead zinc pigments. He resigned in July to accept the Michigan Tech appointment.

The Bureau of Mineral Research will help to develop new processes for using Michigan's millions of tons

of low-grade metallic and non-metallic ore reserves. It will be the first publicly-supported research center in Michigan devoted to research on low-grade ore.

Michigan Tech's Research Bureau will carry on both basic and applied research programs, cooperating with industry and in some cases experi-

menting with entirely new concepts of ore dressing. Discovering or aiding in the discovery of methods to make Michigan's low-grade iron and copper ore reserves economically usable will be the main problem to confront the staff of the Bureau of Mineral Research.

Mich. Tech. Alumni News

H. H. Johnson
Manages Pittsburgh
Community Chest



Horace H. Johnson, Nu '22, has been appointed campaign manager for the 1955 Pittsburgh Community Chest. Brother Johnson, Pittsburgh branch manager for National Cash Register Co., has been active in Chest and civic affairs for more than ten years. He is a director of Hill City, past president of the Pittsburgh Executives Club, Pittsburgh Sale Executives Club and the Mt. Lebanon Civic Club. *Carnegie Alumnus*

H. E. Herting
Made Comptroller



Herold E. Herting, Kappa '24, is vice president and comptroller of the Barber-Greene company in Aurora. He joined the firm in 1925 following his graduation from the University of Illinois. While a student at the University he became a member of Tau Beta Pi, national honor society. Mrs. Herting is the former Marie C. Parr, an alumna of Illinois, class of 1926.

Illinois Alumni News

Brother Ed. Nielsen, Irrigation and Power Chief of Bureau of Reclamation, Is Quoted



Edwin G. Nielsen — Sen. Alan Bible

Lake Mead, at a record low level, is now doing the job for which the Hoover dam reservoir was originally designed—supplying water stored in bountiful years to make up for deficient years of inflow, Edwin G. Nielsen, Omicron '26, told Senator Alan Bible. He assured Senator Bible that there was no suggestion presently of any "critical consequences" from the low Colorado River runoffs the last several years.

"The year 1954 was the second lowest runoff in 57 years while 1953 wasn't quite as bad but the sixth

lowest in 32 years," said Brother Nielsen. "Lake Mead's level at Hoover Dam now is down about 130 feet against a 575-foot depth at the dam when the reservoir is full."

Asked by Sen. Bible whether there is occasion for concern among domestic, irrigation, and industrial users in Nevada, Arizona and California, Brother Nielsen replied: "Not at all. These years of deficient inflow were foreseen when the project was designed. Unless nature refuses to perform as she has done in the past, we will be able to meet all future de-

mands for water and will see the reservoir full again."

Brother Nielsen said that power production at the Hoover power plant has been curtailed about 12 percent. "This is being made up by generation at other plants, mostly steam," he explained. "There is no suggestion of brown-outs or rate increases that I have heard about."

The former regional director of the Reclamation Bureau at Boulder City said this year's Colorado River inflow is expected to be below average, measuring between $5\frac{1}{2}$ million acre feet and $7\frac{1}{2}$ million acre feet, compared to an eight million acre foot average. "In all probability, power production at Hoover dam will be curtailed next year to make certain

there will be no shortage of water for required domestic and irrigation purposes," he stated.

He declared the neighboring three states served by Hoover Dam water and power have a population of about five million. The power plant meets about 16 percent of the total electric energy load, including that for the big airplane industry center in southern California.

Lake Mead, the world's largest man-made body of water, when originally filled in 1942 for the first time, held 27 million acre feet. Today the reservoir has $11\frac{1}{2}$ million acre feet. The lake started to store water in 1935 and did not fill to capacity for eight years.

Nevada State Journal

W. R. Persons Honored

Since Wallace R. Persons, Delta '31, became president of the Emerson Electric Manufacturing Co., St. Louis, Missouri, less than two years ago, he has made considerable impact upon the 65 year old firm and the city that promises to add to the prominence of Emerson Electric and the progress of the community.

Public recognition of the contributions that Persons had made to his adopted city was given in the March issue of St. Louis Commerce, publication of the St. Louis Chamber of Commerce. He was featured in the March Portrait section under the heading, "Persons of Emerson."

Emerson Electric, the company which made the first electric fan in America, has been consistently pros-

perous and has annual sales of 55 million dollars.



Case Alumnus

Riemenschneider Vesp of Union Metals

Election of William K. Riemenschneider, Delta '38, to vice president of operations of the Union Metal Manufacturing Co., Canton, has been announced by the firm. In his new position, Brother Riemenschneider is responsible for the direction of the parent firm's manufacturing, production, engineering, personnel and purchasing facilities.

Since joining the company several years ago, Brother Riemenschneider has been employed in various capacities including design engineering, sales, production and plant engineering. He has been factory and general superintendent since 1952. In addition to being vice president, Brother Riemenschneider is a member of the firm's board of directors.

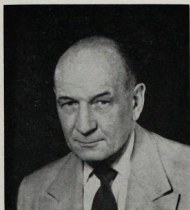
Among his civic activities, Brother Riemenschneider is president of the United Fund for Greater Canton for 1955 and he is chairman of its execu-

tive committee. He is a member of the board of directors and the finance committee of the Canton Urban League. Brother Riemenschneider is a member of the Congress Lake Club and chairman of its lake improvement committee. He is also a member of the Canton Club, Ohio Society of Professional Engineers, Association of Iron and Steel Engineers, National Association of Cost Accountants and the Executives Club of Canton. His hobbies are golfing, fishing, canoeing, camping and skeet shooting.

In addition to his bachelor of science degree from the Institute, Brother Riemenschneider received the degree of mechanical engineer in 1943. He attended McKinley Law School in 1938-39 and is a member of Sigma Nu, Tau Beta Pi and B'ue Key. The newly elected vice president is a son of Edmund K. Riemenschneider, vice president in charge of engineering, Union Metal Manufacturing Co.

Union Metal has been located in Canton since 1907 and has subsidiary facilities in its home city, Los Angeles, Chicago and Brampton, Ont., Canada. The firm also operates a gray iron and aluminum foundry in Canton. Union Metal is a steel and aluminum fabricator in the production and sale of street lighting poles, tapered steel tubes for cast-in-place concrete foundation piling, industrial materials handling equipment and allied products.

Case Alumnus

J. F. Myers Consultant to Denver Equipment Co.

John F. Myers, Gamma '13, consulting engineer, Greenwich, Conn.,

has joined Denver Equipment Co., Denver, as a consultant. After graduating from the Colorado School of Mines in 1913, Myers joined the Butte & Superior Copper Co., Black Rock mine. From there he went to American Zinc Co., Mascot, Tenn., and later to the New Jersey Zinc Co., Austinville, Va. He joined the Tennessee Copper Co. in 1926 and remained with them for 26 years, during which time his many interesting discoveries, developments, and experimental work led him closer to the work on comminution for which he is probably most widely known.

Mining Engineering

Harry Wall In Charge of Power Production

Harry R. Wall, Nu '31, has been elected vice president in charge of electric Production and Transmission for Consumers Power Co. of Michigan.

After nearly twenty years' experience in design and operation of production and transmission of electric power with such outstanding concerns as Cleveland Electric Illuminating Co., the Tennessee Electric Power Co., and Commonwealth and Southern Corporation, Brother Wall joined Consumers Power Co. at Jackson, Michigan in 1951 as assistant general supervisor of electric production and transmission. In October, 1952, he became general supervisor, a position he held until his recent election. From 1941-1946 he served six months in

the Army and three years in the Navy, being released in 1946 as Lt. Commander USNR.

Carnegie Alumnus



David Tomer Advances With Blaw-Knox

David K. Tomer, Nu '30, was appointed Assistant to the President of the Blaw-Knox Company, effective January 1, 1955. Brother Tomer, who has been Manager of the Control Section of Blaw-Knox Company since 1953, has been active in the construction engineering field since his graduation. His first job was on a con-

struction project in Boston, Mass., and upon its completion, he was employed for four years as field engineer on construction assignments in the Boston area.

Brother Tomer returned to Pittsburgh in 1936 and joined Koppers Company as a Contract Engineer in the Engineering and Construction Division. During World War II, he saw active duty in the Naval Reserve. Returning to Koppers after the war, he was appointed Assistant Manager of the Chile Steel Plant, Management Section of Koppers Co., and spent three interesting years on that assignment. Upon completion of the building of the plant in 1950, he was transferred back to the Engineering and Construction Division.

In 1952 and 1953, Brother Tomer served as Supervisor of Construction for the Atlantic Refining Company in Philadelphia.

Carnegie Alumnus

C. C. Bauman Promoted

C. C. Bauman, Nu '39, has been appointed assistant superintendent of the Dodge Main Plant car manufacturing department in Detroit, Mich. Joining Chrysler Corporation upon graduation, Brother Bauman left to serve as a major in the Army Signal Corps in the Indo-China Theater during World War II. In 1946, he returned to Chrysler and became associated with Dodge Main's engineering department in 1949.

Carnegie Alumnus



Colvin Named Director of Public Relations

James A. Colvin, Alpha '15, formerly manager of power production for Northern States Power Co., has been director of public relations for the Minneapolis Van & Warehouse Co., agent for Allied Van

Lines. A native of Jacobville, Mich., and former resident of Sandstone,

Minn., Colvin, an engineering graduate of the University of Minnesota in 1915, started with NSP in 1917. He served in World War I and was with Northern States Power Co. until 1952 when he served as division director for the national production authority (NPA) in Washington on loan from NSP. Colvin has been active in the Minneapolis Engineers club of which he is past president.

—Minneapolis Star

R. E. Byler Becomes Business Manager

Raymond E. Byler, Epsilon '24, 1951 Chairman of MBD is now Business Manager of the Western Laboratories Division—A. D. Little, Inc., 114 Sansome Street, San Francisco 4, Calif. He was formerly responsible for the technical activities of The Merrill Company, a well-known metallurgy and engineering firm in San Francisco. A. D. Little has acquired the research and development division and laboratories of The Merrill Company.

Ray graduated from the University of Calif. College of Mining and Metallurgy in 1924. He has been active in this field since that date. Joining The Merrill Company in 1935, his professional experience includes many years in the metallurgical and chemical process fields, covering operations and research and development work in both chemical and

metallurgical processes and equipment.

ADL has established an office in San Francisco as a base for its West Coast technical-economic survey work.



Mining Engineering

Ed. Gardner Honored

Ed Gardner, Tell Ertl, and DeWitt Smith

Brother E. D. Gardner, Lambda '06, was given recognition for his many contributions to the mining profession when he received the 1955 Jackling Award from the American Institute of Mining Engineers. Brother

Gardner is Chief Engineer of the U. S. Bureau of Mines. The Award was presented by Mr. Tell Ertl in the presence of A. I. M. E. President H. DeWitt Smith.

Mining Engineering

(Continued from page 4)

THE GRAND REGENT SAYS—

we should have strong chapters on each campus.

We in the Executive Council all continue to serve as best we can in the program of the Fraternity. An especially fine accomplishment this year—credited to Grand Scribe Ames, Past Grand Regent Vawter and GEAR Editor Howe—is the preparation and circulation of the 1954 convention minutes. These should help immensely in chapter operation and in the preparation for our 1956 convention. Several of us

have been fortunate in arranging visits to chapters—and more chapters will be visited this year. We in the Executive Council are especially appreciative of the important contribution made by the advisers to the 24 chapters. They are in a key position to guide our chapters toward the professional objectives to which we are dedicated.

May success be with you all in your good efforts, and may they bring you the inner satisfaction which always comes with a job well-done.

In H & T,
A. D. Hinckley

T h e G E A R *o f* T H E T A T A U

OFFICIAL PUBLICATION OF THE FRATERNITY

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

Editors

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NUMBER 1

THE ATOMIC AGE

Since 1945 when the first atomic bomb demonstrated that our scientists are still our most effective war makers, (and war-enders) we have gradually become more and more familiar with nuclear fission. Its tremendous potentialities for havoc and destruction have been developed and demonstrated so effectively that there is some evidence lately that this awful potential may result in really sincere efforts of all great nations to keep the peace, to settle disturbing problems through diplomatic channels without resort to total war.

The great possibilities of nuclear fission for peaceful uses, so freely prognosticated a half-dozen years ago, have been slow to develop. Perhaps our efforts have been directed too closely to the weapons developments to permit rapid advances for normal civilian uses. But advances are being made in many directions, in nearly all of which we, as engineers, are vitally interested. Until quite recently virtually all work in this field in our country was carried on under heavy cloaks by the Atomic Energy Commission. Restrictions remain necessarily severe, but now several

groups of organizations interested in the production and distribution of electricity have banded together to develop full scale nuclear fueled electric power plants. True, even the most optimistic admit the electric energy so produced will cost at least twice as much as that presently being produced from fossil fuels, but they have hopes that experience will lead to short cuts and new discoveries so that ultimately costs may be competitive and in some cases even advantageous.

In the meantime, our friends in the gas, oil and coal businesses need not feel discouraged. As one of the authorities in this field remarked recently, coal will be challenged by atomic power even more seriously than it was ever challenged by oil or gas. "But that doesn't mean," he added, "that coal will be conquered or even seriously hurt. In fact, coal can emerge far stronger than it is today, depending on how the challenge is met."

Probably, we would suggest, nuclear fuel will find its areas of most efficient use and be of great benefit there, while coal, oil and gas will each retain certain economic advantages in other areas and uses.

PLM

REGIONAL MEETINGS

As these lines are written it appears that all of our Regional Meetings for this year lie ahead. These meetings, arranged for the alternate years from Conventions, are always of great interest and benefit. Some fine plans have been made for the present series of meetings and these should result in enhancing the good reputation and splendid record of accomplishment of this phase of our fraternal activity.

PLM

WHO'S WHO?

In the October issue of *Mechanical Engineering* a study is made of the origins of 17,500 engineers listed in the 1954 volume of "Who's Who in Engineering", from the standpoint of their alma maters. Each "who" is credited to the school from which he received his bachelor's degree. A total of 475 schools are in the list, two thirds of which are not engineering schools, since many engineers took bachelor's degrees at liberal arts colleges before taking engineering. On the matter of total number of alumni who have made "Who's Who", the older and larger schools, of course, lead the list, the first ten being: M.I.T., Michigan, Cornell, Purdue, Illinois, Wisconsin, California, Ohio State, Kansas, and Minnesota. Most of these have large engineering colleges.

The schools were also asked to give the total number of bachelor's degrees given. Only 71 responded to

the request; however, most of this number were engineering schools. The percentage of the alumni who are currently listed in "Who's Who" was determined and a second list prepared. In the upper third of this list appear: Kansas U. (Zeta), Missouri Mines (Iota), Virginia (Rho), Iowa U. (Omicron), M.I.T. (Eta), Minnesota (Alpha), Illinois (Kappa), and Columbia (Theta), at which chapters of Theta Tau (in parentheses) have existed or do exist.

The study shows that individuals work to the top regardless of whether they went to big schools or small; in fact, both the largest and smallest schools can be found high on the second list. Thus the evidence still points to the fact that a student can get what he needs in any school if he puts out to the utmost of his ability. A school can help the individual but his success will depend primarily upon his own initiative, ability, and determination.

JWH

EMPLOYMENT NOTICE

Glover Associates, Inc., Chrysler Bldg. East, New York 17, N. Y. are looking for a young, outstanding engineer who would be interested in exploring a position as Assistant to the Vice President of Manufacturing with a very fine midwest glass manufacturer. A salary in the \$6-8,000 range is being considered.

Interested Theta Taus should write directly to Mr. Fred Lustig, Sr. Assoc., Glover Associates, Inc.

Letters To the Editor

22830 Richardson Ave.
Los Altos, California

Dear Brothers:

This is a note from a long lost brother who is anxious to be re-established on the mailing list of the GEAR.

I am not going to remove the information sheet from the back of the GEAR, for in doing so I would be losing articles about members of our Omega chapter. Instead I will attach the information with this letter.

Since graduation, my activities have been with Eastman Kodak Co. working in production of Kodacolor prints. Prior to this year all of our work was centered in Rochester, New York. However, early this year a number of engineers and technicians have been transferred to the Eastman Kodak Processing Laboratory in Palo Alto, Calif. Being among this group we have been very busy setting up equipment and developing methods for producing Kodacolor Prints for customers using Kodacolor in the Western States. We are now in full production and hope to provide faster services in delivery of our pictures.

We are enjoying the California climate. It has been a long time since we have seen so much sunshine. We have also experienced our first earthquake. It was quite a sensation. I can't say I enjoyed it, although no damage was done.

In H & T
Don Henry Schoessler
Omega '49

The Rochester plant is teaming with Theta Tau brothers. Hope you find some more in sunny California, Brother Schoessler.

Peoria 1, Illinois

Dear Professor Howe:

I'm delighted to have received the last two issues of THE GEAR. I thoroughly enjoyed reading the issues sent me. It provided an opportunity to again get reacquainted with persons whose names were familiar to me when I was active in the fraternity at Iowa City.

Since completing my doctorate at Iowa City I have been associated with Hiram Walker & Sons, Inc. at Peoria, Illinois. I was Assistant Technical Director in 1942 when I was called on active duty with the Chemical Corps. After spending four years in the Army I returned to Hiram Walker's, becoming Superintendent of their Peoria Plants, a position which I presently hold.

We do get through Iowa City occasion-

ally and on our next trip through will make every effort to look you up.

Yours very truly,
Ralph I. Claassen
Omicron '31

And if we should get to Peoria we will look you up. We would like to sample your product. (Scientific curiosity, of course).

103-42 118 Street
Richmond Hill 19, N.Y.

Dear Brother Howe:

Just a few lines to advise you of my change of address to the above, and to tell you that I have really enjoyed THE GEAR. It has kept me up to date on the activities of Theta Tau and particularly the activities of Tau Chapter.

As a matter of information I am still employed by Western Union in the Plant & Engineering Department here in New York City. Any brother visiting this mad metropolis can contact me by telephoning WORTH 2-7300. I have been keeping exceedingly busy at home as my wife, Helen, and I just had a brand new baby girl.

Yours in H & T,
Walter C. Blanchett
Tau '52

COMSERUDAC, Box 34
c/o FPO
San Francisco, Calif.

Dear Sir:

I am now assigned to the staff of the Director, Pacific Division, Bureau of Yards and Docks of Pearl Harbor acting as branch manager of the Drydock and Floating Equipment Branch.

Yours very truly,
James R. Borberg
Iota '52

423 West College Ave.
Marquette, Michigan

Dear Sir:

Thanks very much for THE GEAR. It keeps us old timers up with our friends and the doings. I appreciate it greatly.

In H & T,
Allan F. Olson
Beta '35

And THE GEAR will keep coming to all who keep us informed of their whereabouts.

1321 Cloncunny Road
Norfolk 5, Virginia

Dear Brother Howe:

I am still employed at the Norfolk Shipbuilding and Drydock Corporation as a ship superintendent.

I enjoy very much receiving and reading THE GEAR as it is one way that I can keep in touch with Theta Tau.

Yours in H & T
John S. Roper, III
Pi '49

*Communism and the College Student **

By JOHN EDGAR HOOVER, *Director*
Federal Bureau of Investigation

You, the college student, whether or not you realize it, are the rich earth which the Communist conspirator hopes to till. Your mind is the soil in which he hopes to implant alien seed. Your subsequent acts are the products whose growth he strives to direct. The harvest which he seeks is the destruction of our democratic processes of government.

What then, can you, the college student, do about Communism? Awareness of danger is the first requisite to combating that danger. First, then, know your enemy. That necessitates learning what Communism really means, not what its apologists say it means.

How is one to separate truth from propaganda? I can only say, "set yourself the task of developing a free mind—a mind which seeks facts." Such a mind accepts neither the minority version nor the majority version; it seeks and considers evidence. It is not satisfied until irrefutable evidence points out the road which leads toward irrevocable truth.

When you have learned everything possible from the experience of those who have escaped from

"Utopia"—where they learned the bitter difference between promise and reality—then steep yourself in the history of America. Go back to the heart and soul of its origins. Read the documents, books, and letters of the immortal giants who, with faith and prayer and idealism, shaped and molded a form of government which is a continuous expression of faith in the individual. There you will learn that true Americanism is an act of faith—an overwhelming belief that individual man, with God's help, is an intelligent being capable of self-rule. That faith is essential to the continuance of the American form of government.

In its simplest terms, the struggle lies between the spiritual and the material. The Communist seeks to rob you of your birthright by destroying your faith in our republic. The mess of pottage which he offers in tempting the weak, the shallow, and the shortsighted, is the illusory promise of material security—the security of the slave. The Communist offensive must never be underestimated for that promise has seduced millions of people and the ultimate objective is to swing all the peoples of the globe into the Communist orbit. Like

(Continued on page 43)

In Memoriam

Joseph Beaty Butler, Hon. Iota '15, and for many years chapter adviser died in Normandy Hospital, St. Louis, Mo., on March 27, 1955. Funeral services were held in Rolla on March 29, 1955. He was born in Omega, Oklahoma on May 11, 1895, the son of George Henry and Bessie May Gordon Butler. He studied civil engineering at Oklahoma A & M College, receiving his BSCE in 1915, a C.E. in 1922, and a M.S. in 1924. He was a member of Phi Kappa Phi, and Chi Epsilon scholastic honor societies. On November 23, 1919, he married Jessie Ethel Eyer of Collinsville, Okla. After graduation he worked for various railroads and then entered the army as 2nd Lt. 109th Engineers and was discharged as 1st Lt. A.E.F. in 1919. He became an instructor in Civil Engineering at the Missouri School of Mines in 1920 and was head of the department in 1930. Surviving are his widow and one daughter, Mrs. J. R. Snowden. The family home was at 305 West 9th Street, Rolla, Mo.

Harold Charles Douda, Delta '26, died on September 27, 1955. He was born in Cleveland, Ohio, on August 14, 1904, the son of Mr. and Mrs. Charles H. Douda, 13017 Woodland Ave. After completing high school in Shaker Heights, he entered Case Institute of Technology and graduated as a mechanical engineer in 1926, and received a M.S. in 1927. After graduating he was employed by the Cleveland Folding Machine Co., and then was a partner of the Pyroil Products Co. In 1939 he was assistant engineer of the Cuyehoga Co., and for the last 15 years he was with the Swartout Co., 18511 Euclid Ave., Cleveland. Surviving are his wife, Mrs. Laverna Sayle Douda, two daughters, Mrs. Nan Douda Bartlett and Miss Madge Douda, his mother, Mrs. Mary Douda, a grandchild and a sister. The family home was 21800 Fairmount Blvd., Cleveland Heights, Ohio.

Edgar Harold Gould, Beta '11, died in Tampa, Florida, on June 17, 1955. He was born in West Brookfield, Mass., on September 1, 1887, and was educated in the schools in Battle Creek, Mich., which was the home of his parents at the time he joined Theta Tau. He graduated as a mining engineer in 1911 and he also attended the University of Michigan. After graduation he was engineer for the Kearsarge Mine in Kearsarge, Mich., and then for Osceola Cons. in Calumet, Mich. In 1916 he was with the White Pine Copper Co. in Ontonagon County, Mich. He also was engineer for a time for the Coopera-

tive Mining Co. in Lordsburg, New Mexico, and then became a highway engineer for the State of Michigan. In 1936 he became General Agent for the Indianapolis Life Insurance Co. in Battle Creek and retired in 1952 making his home in Tampa, Florida. Surviving are his widow, the former Hazel Jackson, two daughters, Mrs. Winston Schuler of Marshall, Mich., and Mrs. A. E. Lindberg of Dallas, Texas; two sons, Edgar K. Gould of Battle Creek and James A. Gould of Coral Gables, Florida, and seven grandchildren.

James Louis Joubert, Epsilon '38, died June 1st, 1955 of nephritis, having been in poor health for several years. He was born in Oakland, California, July 11, 1915, the son of Louis J. Joubert, a prominent placer mine operator in California and later in New Guinea and now living at 445 Cornell Ave. San Mateo, California. After attending high school and junior college in Sacramento, Brother Joubert studied mining engineering at the University of California in Berkeley and graduated in 1938. He was delegate from Epsilon at the 1937 Convention. After graduation he examined placers for Yuba Constr. Goldfields for a short period, and then worked for Permanente Metals in wartime magnesium activities. From there he went to Kaiser Aluminum and Chemical Corp. until forced to give up his work. He was married in 1939 to Jane Rooney of Sacramento, who survives together with two daughters now 10 and 12 years of age. The family home is at 385 Brandon Way, Menlo Park, Calif.

Stanley Ernest Kappel, Psi '40, died August 7, 1952. He was born at Blind Bay, British Columbia, on October 6, 1918 and graduated as a mining engineer from the Montana School of Mines in 1940. He entered the armed forces immediately and was a lieutenant with the Royal Canadian Army during World War II. In 1947 he was engineer for the Sheep Creek Gold Mines, Ltd. at Sicamous, British Columbia. In 1950 he became Asst. Supt. of the Page Mine, of the Federal Mining & Smelting Co. and lived in Kellogg, Idaho, and held that position at the time of his death. Surviving are his wife and three children.

Edgar Carroll Long, Iota '30, died in Las Vegas, Nevada, on November 28, 1954. He was born in Rolla, Mo., on November 26, 1908 and graduated as a mining engineer at the Mo. School of Mines in 1930. A fine student, he was also

a member of Tau Beta Pi. Immediately after graduation he joined the staff of the National Lead Co. in Baxter Springs, Kansas. Later he was assistant production manager of the Baroid Sales Division of National Lead in Los Angeles, Calif., and at the time of his death was Magnesium Supt. for the production department of Titanium Metals Corp., a joint venture of National Lead and Allegheny Ludlum Steel Corp. in Henderson, Nevada. He entered the army in 1942 as a lieutenant and was discharged in 1946 as a Major. He saw service both in Africa and Europe. In 1939 he received the professional degree of E. M. from the Mo. School of Mines. The family home was in Boulder City, Nevada.

Everett William McCleery, Sigma '42, died suddenly on April 30, 1955 at the age of 34. He was born September 30, 1920 in Lancaster, Ohio, the son of Mr. and Mrs. F. W. McCleery now of Carroll, Ohio. After completing his high school work he entered Ohio University at Athens, Ohio and then transferred to the engineering department at Ohio State where he graduated as an industrial engineer in 1942. He joined the staff of the National Cash Register Co. in Dayton, Ohio and was with them at the time of his death. Surviving are his parents his wife, two step-daughters and one sister. The family home was at 732 East Stroop Street, Dayton.

Robert Moeller, Delta '35, died in Washington, D.C. on February 25, 1955. He was born in Cleveland on January 16, 1914, and graduated as a mechanical engineer at Case Institute of Technology in 1935. He was an instructor at Case for a few years and received his M.S. there in 1937. Until 1942 he was research engineer for the Detroit Edison Co., in Detroit, Mich. and then became supervising mechanical engineer at the David Taylor Model Basin in Washington, D.C. until his untimely death. Surviving are his wife and three children. The family home was at 6010 Anniston Road, Bethesda, Maryland.

Bruce John Murray, Xi '54, age 23, died in a Minneapolis, Minn. hospital on March 3, 1955 of multiple injuries received in an explosion at the linseed oil plant of Cargill, Inc. He was born October 20, 1931 at Manitowoc, Wis., the son of Mr. and Mrs. LaFoe Murray. He graduated as a chemical engineer at the University of Wis. in 1954 and immediately thereafter joined the staff of Cargill, Inc. in Minneapolis. Surviving are his wife and his parents.

Funeral services were held in Manitowoc, Wis. The family home was at 2402 Washington St., Manitowoc.

Ocha Potter, Beta '11, died July 13, 1955. He was born in Appleton, Wisconsin on March 1, 1878. After completing high school he entered the Michigan College of Mines but was compelled to leave before graduation to go to work. He worked for several years in Alaska, was married there, and returned to Houghton with his wife and son, and received his degree in mining in 1911. In 1931 he was awarded his E.M. degree by Michigan College of Mines. He was also a member of Tau Beta Pi Honor Society. After graduation he entered the employ of the Calumet & Hecla Copper Co. and was mine superintendent for them at Ahmeek, Mich. He retired from active work several years ago and on Sept. 4, 1954 celebrated his Golden Wedding Anniversary. Surviving are his son, George, in Washington, D. C. and three daughters: Mrs. Theodore Dengler of Pittsburgh, Pa., Mrs. Norman Strom of Poughkeepsie, New York, and Mrs. Raymond Schuett of Royal Oak, Mich. There are twelve grandchildren. His sister Mrs. Arthur Holt, West DePere, also survives.

Frederick Shrewsbury Parkhurst Jr., Beta '04, died January 10, 1955, in Ennice, North Carolina. He was born May 5, 1882 in Franklinville, New York, the son of the Rev. Frederick S. Parkhurst, and was educated in the public schools in LeRoy, New York. He received his B.S. at Michigan College of Mines in 1904 and his E.M. degree in 1905. After graduation he became City Engineer of Niagara Falls, New York, and during World War I was construction engineer for the government in Washington, D.C. Then he returned to his old job in Niagara Falls and later was city engineer for Olean, New York, and also acted as a consultant in mining matters. He retired in 1954 and moved to Ennice, North Carolina. He did not leave any family.

Peter Lee Rodal, Beta '54, was killed in an airforce crash at Laredo Airforce Base, Texas, on June 25, 1955. He was born on August 22, 1932, the son of Mr. and Mrs. Anton Rodal, 505 Third St., Menominee, Mich. He graduated as an electrical engineer at Michigan Tech in 1954 and joined the airforce shortly thereafter. On January 2, 1955 he married Greta Hendrickson of Hubbell, Mich. Surviving are his widow and his parents. He was also a member of Tau Beta Pi.

Eugene George Snedaker, Gamma '14, died of a heart attack in Salt Lake City, Utah April 7, 1955, age 64. He was born in Aspen, Colo., July 26 1890. His family moved to Denver where his father established offices as a consulting mining engineer. Gene went to High School and Westminster College and then to the Colorado School of Mines where he graduated as a mining engineer. After graduation he went to Goldfield, Nevada where he was employed by Goldfield Constr. Mining Co. In 1917 he joined the armed forces and was a Captain in the 4th Engineers, AEF. He was awarded the Distinguished Service Cross and several foreign decorations. After serving nine months with the army of occupation on the Rhine he returned to the U.S. and was with the New York office of the Bagdad Copper Co. until 1928, after which he was the manager of the Electrical Products Co. in Denver and Salt Lake City until 1933 when he joined the staff of the Goldfield Consolidated Exploration Co. as the field engineer. In 1937 he joined the Ohio Copper Co. at Lark, Utah and about 1952 was on the staff of the American Chrome Co. at Nye, Montana. A heart condition forced him to retire in 1953 and at the time of his death he lived at the Sherrill Hotel in Salt Lake City. His wife died many years ago and there were no children. The sole surviving relative is an aunt living in the east.

Kenneth James Stodden, Psi '41, age 36, died May 21, 1955. He was born April 16, 1919 in Butte Mont., the son of Richard and Bessie Stodden. After attending the Butte High School he went to the Montana School of Mines and graduated in 1941 as a Metallurgical Engineer. After being released from the armed forces in 1946 he continued his studies at Penn State University and received his M.S. in 1949 while he was a graduate assistant. He was married to Alda Pearl McFadden on March 3, 1946 and then worked for a time as a surveyor for Hungry Horse Dam in Montana and again until 1951 after graduating at Penn State. In 1951 he became a Research Technologist with U. S. Steel

Co. in Pittsburgh, Pa. and left in 1953 because of ill health. He passed away at Ft. McKenzie Veteran's Hospital in Sheridan, Wyoming. Surviving are his widow, two children, Bradley and Janis of Whitefish, Montana, his parents in Butte and a sister and brother also in Butte. Funeral services were held in Butte by Silver Bow Lodge No. 48, A.F. & A.M., of which he was a member.

Wallace Senteny Thomas, Eta '15, died at his home on January 15, 1955. He was born September 7, 1893 in Springfield, Ohio and graduated as a mechanical engineer at M.I.T. in 1915. He returned briefly to Springfield and then joined the armed forces and during World War I was a Lt. of Naval Aviation, USNRF. In 1920 he returned to Springfield and was with the Thomas Manufacturing Co. there until 1931 when he entered government service. From 1931 to 1935 he was superintendent and district agent for H.O.L.C. and then equipment supervisor for the Department of Agriculture in Upper Darby, Pa. At the time of his death he was Deputy Director of the U. S. Bureau of International Trade, Dept. of Commerce, Washington, D. C. and the family home was at 4529 Rosedale Ave., Bethesda, Md. Surviving are his wife, his mother and a sister.

Alanson Niles Topping, Phi '94, a charter member of Phi, who helped organize the local fraternity which was chartered by Theta Tau, died on March 20, 1955. He had retired as Dean of the Electrical Dept. at Purdue in 1942. He was born in Lawrence, Kansas on Dec. 24, 1871 and graduated at the University of Kansas in 1894. He taught at the Lawrence High School for six years and for two years in the Kansas City High School. He then joined the faculty at Purdue as an instructor in electrical engineering. He remained at Purdue for 40 years. Surviving are his widow and seven children. The family home is at 443 Robinson, West Lafayette, Indiana. He was also a member of Tau Beta Pi, Sigma Xi, and Eta Kappa Nu.

Additions To Membership

ALPHA

- 621 Roy Thomas Shelso, Minneapolis, Minnesota.
 622 Fred William Hallbert, St. Paul, Minnesota.
 623 John Donald Tschida, St. Paul, Minnesota.
 624 Richard Charles Wunderlich, St. Paul, Minn.
 625 John Istvan Erdos, St. Paul, Minn.
 626 James Maurice Foley, Excelsior, Minnesota.
 627 William George Mueller, Watertown, Minn.

BETA

- 763 George Thomas Matthews, Muskegon, Mich.
 764 John William Balai, Marquette, Michigan.
 765 Raymond Drake Holmes, Duluth, Minnesota.
 766 Hugh Richard McShane, Marysville, Michigan.
 767 Thomas Lee Longacre, Houghton, Michigan.
 768 Donald Murray Doyle, Toronto, Ontario, Can.
 769 James Iran Tanis, Zeeland, Mich.
 770 Chauncey Leighton Carpenter, Wthrop, Mass.
 771 David Keast Mitchell, Ishpeming, Michigan.
 772 George Kotonias, Hibbing, Minn.
 773 John Alfred Alholm, Marquette, Michigan.
 774 George Donald Moulds White Pine, Michigan.
 775 John Elmer Warren, Crystal Falls, Michigan.
 776 Jerome Bradley Knaebel, Houghton, Michigan.
 777 John Harry Bayko, Fort William, Ontario, Can.
 778 James Joseph Ombrello, Ishpeming, Michigan.
 779 Harry Irwin Allen, Iron Bridge, Ontario, Can.
 780 Peter Jon Johnson, Virginia, Minn.
 781 Thomas Eugene Connors, Neyarree, Michigan.

GAMMA

- 831 Ralph Hudson Armstrong, Long Beach, Calif.
 832 John Richard Blomberg, La Grange, Illinois.
 833 John Gary Hill, Billings, Montana.
 834 James Clyde Neal, Superior, Wis.
 835 James Herbert Peterson, Denver, Colorado.
 836 Donald Keith Thistlewood, Traer, Iowa.
 837 Gerald Damon Bahensky, Omaha, Nebraska.

- 838 Michael Lee Barry, Denver, Colo.
 839 John Inglis Coats, Arvada, Colo.
 840 Larry Arthur Denton, Meridan, Idaho.
 841 Henry Alfred Emery, Jr., New Gloucester, Maine.
 842 Roy Carlen Howard, Colorado Springs, Colo.
 843 Jerry Ronald McLeod, Shreveport, Louisiana.
 844 Jacob Leo Shutek, Golden, Colo.
 845 John Frederick Sulzbach, Des Plaines, Ill.
 846 Tim Cahill Thompson, Wichita Falls, Texas.
 847 Kenneth Allen Wagner, Bismarck, North Dakota.

DELTA

- 880 John Joseph Murphy, Cleveland, Ohio.
 881 Walter Eugene Pavlick, Girard, Ohio.
 882 Raymond William Bender, Geneva, Ohio.
 883 William Frank Bozich, Virginia, Minnesota.
 884 Robert Vincent Emling, Erie, Penn.
 885 John Jay Frank, Morton, Ill.
 886 Richard Zoltan Gerlack, Cleveland, Ohio.
 887 Reed Homer Gunselman, Cleveland, Ohio.
 888 Gary Barton Kumler, Lakewood, Ohio.
 889 Donald Wayne Liechty, Youngstown, Ohio.
 890 Stephen Mihaly, Shaker Heights, Ohio.
 891 Louis Errol Mullen, Baton Rouge, Louisiana.
 892 Thomas Paul Schiller, Cleveland, Ohio.
 894 Robert Allen Seekely, Cleveland, Ohio.
 895 Robert Claire Sidley, Painesville, Ohio.
 896 Ronald Joseph Walker, Toledo, Ohio.
 897 James Milton Willard, Mansfield, Ohio.

EPSILON

- 776 Theodore Hershhal Chenoweth, Hobart, Indiana.
 777 Allan Verne Cox, Santa Ana, Calif.
 778 Knoxie Carlton De Lise, Richmond, California.
 779 John Milford De Noyer, Berkeley, California.
 780 George Iskandar Doumani, Beirut, Lebanon.

- 781 Ralph Richard Fielder, Albany, California.
 782 Francois Jean Lampietti, Berkeley, California.
 783 John Stearns Molloy, Exster, N. H.
 784 George Edward Padgett, Jr., Corona, California.
 785 Thomas Hardin Rogers, Washington, D. C.
 786 Donald Gray Scanlin, Fillmore, California.
 787 Donald Lee Schmidt, Orland, Calif.
 788 Harold Adolph Wollenberg, Jr., San Francisco Calif.
 789 Edward Alexander Hay, Long Beach, California.
 790 Paul David Juette, Brewster, Wash.
 791 George Edward Maddox, Berkeley, California.
 792 Alan Stuart Ryall Jr., San Mateo, California.
 793 James Winston Watson, Huntington Beach, Calif.
 794 Kenneth Vernon Zerda, Berkeley, California.

ZETA

- 589 Howard William King, Jr., Haddam, Kansas.
 590 Carol Harmon Shaw, Galena, Kan.
 591 Leroy Worley Felzien, St. Francis, Kansas.
 592 Glenn Edward Kirk, Minneapolis, Kansas.
 593 Jacob Franklin Goble, Caney, Kan.
 594 Kerin Lee Dryden, Osage City, Kan.
 595 Douglass Stuart Wallace, Topeka Kansas.
 596 Ramon Daryl Criss, Augusta, Kan.
 597 William Winter Youngman, Columbus, Kan.
 598 Richard James Conklin, Kansas City, Kansas.
 599 Ronald Ray Frevert, Holyrood, Kan.
 600 Paul James Harpel, Kansas City, Mo.
 601 Kenneth Leon Clark, Kansas City, Missouri.
 602 Rex Harold Blumberg, Denison, Kansas.

THETA

- 573 Jeffrey Hale Broido, Brooklyn, N. Y.
 574 Derick Marcos Calderon, Guatemala.
 575 Albert Gabriel France, Brooklyn, New York.
 576 Fred Werner Kramer, New York, New York.
 577 Alan David Pasternak, New York, New York.
 578 Joseph Vito Porcelli, Jr., Bronx, New York.
 579 Harold Bernard Reisman, Brooklyn, New York.
 580 Richard Paul Rhodes, Brooklyn, New York.

- 581 Arthur John Schneider, Ozone Park, New York.
 582 Robert William Schnepf, Coytesville, N. J.
 583 Edward Henry Schoenharl, Fort Lee, New Jersey.
 584 Rodney Sundbye Thurston, Brooklyn, N. Y.
 585 Robert Alan Weber, Brooklyn, N.Y.
 586 John Dominic Grasso, New York, New York.
 587 Peter Alan Lesser, Little Neck, New York.
 588 Ernest Gustav Olson, Staten Island, New York.
 589 Robert Livingston Porter, New Rochelle, N. Y.
 590 Harry Milton Spatzer, Shamokin, Penn.
 591 Manfred Ludwig Spengler, New York, N. Y.
 592 Sheldon Wiederhorn, New York, New York.

LAMBDA

- 675 Ronald Alan Dalebout, Salt Lake City, Utah.
 676 Douglas Richards Card, Salt Lake City, Utah.
 677 Reed J. Alber, Sunnyside, Utah.
 678 Jay Nielson Thorpe, Salt Lake City, Utah.

XI

- 171 Wayne Richard Eberhardt.
 172 Thomas Norman Johnson, Madison, Wisconsin.
 173 James Gustave Koester, Wauwatosa, Wisconsin.
 174 John Jacob Schachte, Madison, Wis.
 175 Donavon Clair Voegeli, Belleville, Wisconsin.

OMICRON

- 487 William George Maguire, Detroit, Michigan.
 488 William Leonard Stein, Lemay, Mo.
 489 Ronald Irvin Christensen, Davenport, Iowa.
 490 Lennie Lee Paustian, Gladbrook, Iowa.
 491 Wilbur Henry Theodore Busch, Gladbrook, Iowa.
 492 Warren Lindsey Smull, Durant, Iowa
 493 Donald Herbert Hansen, Manchester, Iowa.
 494 Ronald Edward Butler, Iowa City, Iowa.
 495 William Clement Ditch, Muscatine, Iowa.
 496 Clifford Lloyd Freyermuth, Jr., Muscatine, Iowa.

PI

- 519 Richard Olin Beall Frostburg, Md.
 520 Harold Grigg Dixon, Richmond, Virginia.

THE GEAR OF THETA TAU

- 521 Robert Cary Duval, Richmond, Va.
 522 John Kraft Haley, Charlottesville, Virginia.
 523 Robert Baskerville Hobbs Jr., Luther-ville, Md.
 524 Robert Michael Hoover, Wilmington, Del.
 525 James Blaine Hope, Quincy, Mass.
 526 Ralph Folger Kneeland, Alexandria, Virginia.
 527 Merwin Ardeen Mace, Jr., Washing-ton, D. C.
 528 John Jesse Mayo, Jr., Lynchburg, Virginia.
 529 Loren Richard Staunton, Virginia Beach, Va.

RHO

- 519 David Van Gurley, Rocky Mount, North Carolina.
 520 Paul Fletcher Murray, Greenville, North Carolina.
 521 John Mitchell Jenkins III, Castle Hayne, N. C.
 522 Lamont Allen Shinn, Warwick, Va.
 523 John Maitland Kingry, Millerton, New York.
 524 Walter Glenn Scott, Jr., Greenville, North Carolina.
 525 John Young Lomax, Guilford Col-lege, N. C.
 526 John Richard Combs, Leaksville, North Carolina.
 527 Addison Keith Phifer, Peachland, North Carolina.
 528 Thomas Edward Johnson, Raleigh, North Carolina.
 529 Charles Frederick Wulf, Jr., Wash-ington, D. C.
 530 Jerry Lee Rasor, Raleigh, N. C.
 531 Bob Spencer Morton, Albemarle, North Carolina.
 532 William Isaac Bigger, Jr., Belmont, North Carolina.
 533
 534 Fred Griffith Welfare, Raleigh, North Carolina.
 535 David Joe Pierce, Reidaville, N. C.
 536 Joshua Vann Carroll, Farmville, North Carolina.
 537 William Max Sigmon, Jr., Hickory, North Carolina.
 538 Robert Brian Grigsby, Warwick, Va.
 539 Joe Wilson Reece, Boonville, N. C.
 540 Cortez Dillon Gaskins, Black Moun-tain, N. C.
 541 Walter Carr Thomas, Jr., Charlotte, North Carolina.
 542 John Reynolds Arwood, Burlington, North Carolina.
 543 Thomas Winfred Frye, Mt. Airy, North Carolina.

SIGMA

- 436 Walter Albert Flack, New Holland, Ohio.

- 437 Thomas Dale Lunch, Barnsville, Ohio.
 438 David Trott Wells, Mt. Vernon, Ohio.
 439 Donald Edward Carnicom, Bowling Green, Ohio.
 440 Clifford Noel Click, Reynoldsburg, Ohio.
 441 William Murton Connell, Brilliant, Ohio.
 442 Richard Grant Ingersoll, Elyria, Ohio.

TAU

- 582 Clay Sanford Harder, Jr., Bath, New York.
 583 Joseph Pasquale Fragnito, Solvay, New York.
 584 Arthur John Heidrich, Syracuse, New York.
 585 Thomas Darwin Harrienger, Low-ville, N. Y.
 586 George Louis Luther, Owego, N. Y.
 587 George Burleigh Keller, Clarks Sum-mit, Penn.
 588 Vincent Joseph Marcalus, Fair Lawn, N. J.
 589 Francis John McKendry, Buffalo, New York.
 590 Joseph J. Petosa, Solvay, N. Y.
 591 Norman Stanley Pieniaszek, Albion, New York.
 592 Karl Ernest Schultz, Syracuse, N. Y.
 593 James Clifford Yarrington, Syracuse, New York.

UPSILON

- 444 George Francis Branigan, Fayette-ville, Ark.
 445 Jack Scott Haynes, Gravette, Ark.
 446 James Russell McKinney, Little Rock, Ark.
 447 Clyde Berton Meade, Fayetteville, Arkansas.
 448 Neal Adams Robinson, Columbus, Mississippi.
 449 Thomas Garland Tackett, Jr., Mem-phus, Tenn.
 450 Stanley Price Williams, Fayetteville, Arkansas.
 451 James Alan Adams, Fayetteville, Arkansas.
 452 Jimmie Wayne Crandell, Little Rock, Ark.
 453 Max Joseph Kopp, Van Buren, Ark.
 454 Alfred William Taylor, Fayetteville, Arkansas.
 455 James Edward Walker III, Mag-nolia, Ark.
 456 John Reese Burnett, Mena, Ark.
 457 Joseph David Chase, Siloam Springs, Arkansas.
 458 Hugh Edwin Keeling, Bear Creek, Arkansas.
 459 William Richard Mixon, Hot Springs, Ark.

- 460 Frank D. Neighbors, Jr., North Little Rock, Ark.
 461 George E. Beal, Jr., Fort Smith, Ark.
 462 James Noble Holt, Harrison, Ark.
 463 Heydon Zane Lewis, Fayetteville, Arkansas.
 464 Donald Lee Mehlburger, Little Rock, Ark.
 465 Louis David Trager, Jr., Fayetteville, Ark.
 466 John Glenn Walsh, Pine Bluff, Ark.

PHI

- 305 Frank Rector Dye, Wellston, Ohio.
 306 Norman Wilkes Jetta, Louisville, Kentucky.
 307 William Michael Kocsis, Jr., South Bend, Ind.
 308 James Edward Park, Muncie, Ind.
 309 James Freeman Rittenhouse III, Elkhart, Ind.

- 310
 311 James Gustin Gibboney, LaGrange Park, Ill.

CHI

- 479 Leonard Eugene Anderson, Tucson, Arizona.
 480 Louis Platt Benedict, Jerome, Ariz.
 481 Carl Johannes Berninger.
 482 John Thomas Craddock, Phoenix, Arizona.
 483 George Charles Franklin, Phoenix, Arizona.
 484 Fred Bonham Jones, Tucson, Ariz.
 485 William Eldon Ketchum, Tucson, Arizona.
 486 James Lawrence Armstrong, Ajo, Arizona.
 487 Julian Bedford Booth, Jr., Tucson, Arizona.
 488 John Lawrence Collins, Tucson, Arizona.
 489 Jack Keith Davis, Phoenix, Ariz.
 490 Stuart Allmond Enfield, Phoenix, Arizona.
 491 Wesley Woolston Ford, Tucson, Arizona.
 492 William Stuart Franklin, Bergenfield, N. J.
 493 Stanley Eshelman Grimes, Jr., Tucson, Ariz.
 494 Fletcher Oakes Haskell, Tucson, Arizona.
 495 Howard Fletcher Hersey, Globe, Arizona.
 496 Karl Frederick Kohlhoff, Tucson, Arizona.
 497 Duane Paul Lingafelter, Tucson, Arizona.
 498 Roy Alvin Littlefield, Lemon Grove, California.
 499 Joseph Patrick McBride, Wilkes Barre, Penn.
 500 John Phillip McLain, Tucson, Ariz.
 501 Ralph Thomas Richey, San Diego, California.

- 502 Donald Leroy Simpson, Ajo, Ariz.
 503 Don Carlson Tait, Tucson, Ariz.

PSI

- 340 George Lawrence Wilhelm, Santa Rosa, Calif.
 341 Clifford Darrell Anderson, Butte, Montana.
 342 George Anthony Cloudy, Juneau, Alaska.
 343 Sidney Duane Cooper, Van Nuys, California.
 344 John de Beer, Springs, Transvaal, South Africa.
 345 Petrus Jacobus Gerhardus duToit, Lyttelton, Pretoria, South Africa.
 346 Rainer Gevers Heidelberg, Transvaal, South Africa.
 347 Garvin Hugh Godfrey, Somerset, Colorado.
 348 Godfrey Paul Howard, Butte, Mont.
 349 Don Harvey Mathis, Billings, Mont.
 350 George Allen Mealey, Anchorage, Alaska.
 351 J. Gary Mitton, Butte, Mont.
 352 Arthur Edward Morris, Kalispell, Montana.
 353 John Donovan Riggelman, Libby, Montana.
 354 Dale Carroll Barnum, Weed, Calif.
 355 William Bonnie Campbell, Salida, Colo.
 356 Knownly Robert Dorman, Bismarck, North Dakota.
 357 John Phinis Hunter, Calgary, Alberta, Can.
 358 Ernest Bernard Stenmark, Glendive, Montana.
 359 Jerome Benedict Weber, Minneapolis, Minn.

OMEGA

- 455 Charles Edward Buchner, Milwaukee, Wis.
 456 Claus Cameron Kuehl, Shelby, S. D.
 457 William George Parden, Aberdeen, South Dakota.
 458 Gerald Charles Smith, Ruth, Nev.
 459 Melvin Roy Smith, Rapid City, S. D.
 460 James Mills Adams, Sioux Falls, South Dakota.
 461 Vernon Harvey Buchele, Rapid City, S. D.
 462 Wayne Eugene Burk, Sioux Falls, South Dakota.
 463 Daryl Richard Hawkins Mellette, South Dakota.
 464 Russell Lee Krause, Mobridge, S. D.
 465 James Robert Major, Deadwood, South Dakota.
 466 Gerald Markhus Munson, Rapid City, S. D.
 467 Robert Louis Pecha, Elk Point, S. D.
 468 Hans Edmund Sacrison, Buffalo, South Dakota.
 469 Joseph Champlin Spencer, Jr., Hot Springs, S. D.

- 470 Richard Currey Warder, Jr., Pierre, South Dakota.

GAMMA BETA

- 320 Melvin Michael Brady, Bethesda, Maryland.
 321 Felix Costanzo, Washington, D. C.
 322 James John Crenca, Washington, D. C.
 323 Warren Reed Crockett, Washington, D. C.
 324 Donald Bain Kever, Colfax, N. C.
 325 Carl Price McCall, Alexandria, Va.
 326 Harlan J. Oelke, Washington, D. C.
 327 William Clark Stamper, Arlington, Virginia.
 328 John Whitney Cannon, Bozeman, Montana.
 329 James Alan Cauffman, Washington, D. C.
 330 Joseph William Grady, Bethesda, Maryland.
 331 Francis Mikalauskas, Arlington, Va.
 332 Richard J. Pronk, Washington, D. C.
 333 Earl Edward Reber, Washington, D. C.
 334 James Franklin Saunders, Jr., Arlington, Va.

- 335 Irvin Henry Schick, Hazleton, Penn.
 336 Robert Moffett Weir, Washington D. C.
 337 Victor Roy Yurow, Washington, D. C.

EPSILON BETA

- 84 Ralph John Puskas, Detroit, Mich.
 85 Ahmad Abdel-Raouf Aryan, Detroit, Mich.
 86 Thomas William Strahan, Jr., Detroit, Mich.
 87 James Radford Waldrop Jr., Hazel Park, Mich.
 88 Harry Demirjian, Detroit, Mich.
 89 Robert James Joseph Szczepanski, Detroit, Mich.
 90 John Graham Wright (Hon.), Allen Park, Mich.
 91 Richard William Gravel, Detroit, Michigan.
 92 Kenneth Floyd Halfacre, Detroit, Michigan.
 93 Harold Charles Jennett, Jr., Detroit, Michigan.
 94 Robert Hamilton Striker, Grosse Pointe, Mich.
 95 Gerald John Thomas, Detroit, Michigan.

Engineers Make Good — Or Else

"The Engineer's works are out in the open where all men can see them. He cannot deny he did it. The doctor's mistakes are buried in the grave. The voters forget when the politician changes the alphabetical names of his falling projects. Trees and ivy cover the architect's failures. The lawyers can blame the judge or the jury. Unlike the clergyman, the engineer cannot blame his failures on the devil." *Herbert Hoover*

She realized she wasn't the only pebble on the beach, so she got a little bolder.

A neurotic person is one who has two feet firmly planted in mid-air.

Two bitter golfing opponents reached the eighteenth green with their match all square. One of them had only to sink a tricky ten-foot putt to chalk up a victory. He had carefully lined up the putt, and had, in fact, pulled back his club for the all-important stroke when a sudden noise behind him stayed his hand. A funeral cortege was passing by.

The golfer snapped to attention, whipped off his hat, and held it respectfully over his heart until the last car had disappeared down the road. Then he calmly sank his putt.

"Congratulations," said his opponent grudgingly. "It took iron nerve not to let that funeral procession fluster you into missing your putt."

"It wasn't easy," advised the victor. "On Saturday we would have been married twenty-five years."

Chapter Advisors

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

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

GAMMA—Prof. Lute J. Parkinson, 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. Walter LaPierre, Col. of Engr., Columbia U., New York 27, N. Y.

IOTA—Replacement for Prof. J. B. Butler is unknown to the GEAR.

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

MU—Prof. William K. Rey, Engr. School, Univ. of Alabama, 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. Lawrence Quarles, E.E. Dept., Univ. of Virginia, Charlottesville, Va.

RHO—Prof. T. C. Brown, M.E. Dept., No. Car. 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. E. C. Thoma, C.E. Dept., Purdue University, 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—Dr. H. A. Miklofsky, School of Engr., George Washington U., Washington, 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.

Alumni Notes

ALPHA

Talle, C. A., '51, is application engineer with Pacific Semiconductors, Inc., 10451 West Jefferson Blvd., Culver City,

Calif., and the family home is at 436 South Sepulveda Blvd., #7, Los Angeles 49, California.

BETA

Meuche, Alfred H., '05, spent the first 20 years after graduating in mining and geological work, and the next 20 years in construction. In February, 1954, he and Mrs. Meuche celebrated their golden wedding anniversary. His present mailing address is 3932 "W" St. NW, Washington 7, D. C.

Wilkinson, Paul H., '05, lives in Whittier, California, 9522 Longworth Ave.

Hicks Frank V., '15, retired in November, 1954, as general superintendent of coal mines and quarries for U. S. Steel's Columbia, Geneva Steel Division at Dragerton, Utah.

Bradt, Maurice L., '16, was appointed general superintendent for Pickands, Mather & Co., in Hibbing, Minn.

Griffith, Francis B., '23, is now president of the Wyandotte, Terminal Railroad Co., Wyandotte, Michigan.

Warner, Eldred E., '25, is vice president and general manager of Euclid Sales & Service Inc., St. Louis, Mo.

White, LeRoy A., '31, is assistant head engineer for Standard Oil Co. and lives in Highland, Indiana.

Schou, Hans, '34, is now general mine supt. for the Fresno Co. at Fresno, Zacatecas, Mexico.

Donovan, Clair M., '42, was elected president of the Blue Key National Society.

Goudswaard, Jack, '47, is a metallurgist for the Brillion Iron Works, Green Bay, Wisconsin.

Johnson, Robert E., '49, reports the birth of a daughter born Nov. 6, 1954.

Petersen, Robert J., '49, is now application engineer on the staff of DuBois-Copper Associates, Detroit, Mich.

Lamb, Laurence J., '52, and Miss Florence MacMillan were married in Toronto in October, 1954.

Agricola, K. Richard, '53, is now in service and at Wright-Patterson Air Force Base. In 1953 he was married to Billie Sechase of Saginaw and now there is a daughter, Kristen Lee. He received an M.S. from Penn State in 1953 and had just gone to work for Dow when he was called into service.

McMaster, Donald F., '54, is a trainee at the Gary Works West Mills, U. S. Steel Co., Gary, Indiana.

GAMMA

Ramsey, E. R., '12, who recently resigned as president of the Dorr Co. has left New York and is living at 660 South Monroe Way, Denver, Colo.

Riddle, Donald D., '18, went back to the U. S. Army Corps of Engineers and is now chief of operations in Savannah, Ga.

Prentiss, Louis W., '21, Maj. Gen. USA., was awarded the Distinguished Achievement Award of the Colorado School of Mines at the June Commencement.

Mattson, Vernon L., '26, has been appointed manager of mining for Kerr-McGee Oil Industries, Inc. in Denver. Dean A. McGee, Zeta '26, is president of the company.

Shaw, Douglas M., '28, lives at 900 Ocean View San Mateo Calif.

Patten, Andrew R., '30, district supt. for The Texas Co. gets mail at P. O. Box 392, Sterling, Colo.

Mueller, Anthony L., '35, commerce attorney for the Public Utility Commission now lives at 1605 Xenie St., Denver, Colorado.

Weinig, A. J., Jr., '38, lives at 401 West Riverside Drive, Calsbad, N. M.

Cerf, Charles J., '41, Manager of Monterey Oil Co. lives at 1409 Bedford Drive, Midland, Texas.

Edwards, Clinton Floyd, '41, division engineer for Honolulu Oil Corp. gets mail at Drawer 1391, Midland, Texas.

Taylor, Randolph H., '41, is assistant chief engineer of Climax Molybdenum Co., Climax, Colo.

McNamara, Wm. F., '48, construction engineer lives at 2721 Valencia NE., Albuquerque, N. M.

Miner, Gordon M., '48, is supt. of mining, Foley Brothers Inc., Pleasantville, New York.

Dunn, Charles J., '49, can be addressed at 4118 A. North Harvey Parkway, Oklahoma City, Okla.

Korn, Norman, '50, district engineer for Black, Sivalls & Gryson, Inc. wants mail sent to 5509½ Jackson, Houston, Texas.

Petrocco, John, '50, seismologist for Sohio Petroleum Co., gets mail at P. O. Box 87, Worland, Wyoming.

Gaulke, Ed, '53, gets mail at Box 246, Route 3 Golden, Colo.

Anderson, John M., '54, assistant geologist for American Exploration & Mining Co. lives at 1022 Fifth St., Golden, Colo.

Whitescarver, L. H., '55, can be addressed c/o Stanolind Oil & Gas Co., Alvin, Texas.

DELTA

Fugman, Victor, '10, retired, can be addressed at Hendersonville, North Carolina.

Frisbie, Donald B., '11, and Mrs. Euna Brannon Strickland were married in May in Atlanta, Georgia. Home is at 814 Antonette Ave., Winter Park, Fla. He is the father of Stewart E. Frisbie, Kappa '38.

Sprowl, Norman E., '17, recently moved from Logan, Utah to Kansas City, Mo. to begin his new duties as manager of Durwood Theaters, operators of a television station and a circuit of motion picture theaters in Missouri and Kansas. Since retiring from active duty in the army with the rank of colonel last year, Sprowl has been manager of the Inter-Mountain Theater group in Utah. Sprowl's first connection with show business was in the early 1920s when he was business manager for Universal Pictures Corp. Later he formed his own stock company. Sprowl was also in charge of the California Mission Play, managed a Southern Calif. theater chain, and was a district advertising manager for Paramount Pictures.

Sprowl had 28 years of active and reserve military service at the time of his retirement. Among his major assignments were chief of operations of the European Command public information div., in charge of all press relations at four large armed forces maneuvers in Europe and chief of information for the military district of Washington, D. C. During World War I, Sprowl fought in France with the engineers in the Meuse-Argonne campaign and the Defensive Sector.

Griggs, Kenneth C., '22, is supt. equipment engineering, Western Electric Co., New York City.

Owings, Jay W., '27, is manager, pipe sales dept., Republic Steel Co., in Cleveland, and lives at 16964 Van Aken Blvd., Shaker Heights, Ohio.

Rayl, L. B., '28, has his own business, L.

B. Rayl & Assoc., 1110 Wilshire Blvd., Los Angeles, Calif.

Koerner, Frank K., '30, is with A. T. & T. Co., and lives at 8066 Kirtland Drive, Cincinnati, Ohio.

Vaughan, Evan W., '30, is with Parson, Brinckerhoff, Hall & MacDonald, 51 Broadway New York City.

Volmar, Elwin B., '30, has been promoted to vice president in charge of production and a director of the Cleveland Trencher Co., Cleveland, according to Vincent Penote, president of the organization. Volmar joined Cleveland Trencher in 1939 and served successively as production manager and works manager.

Shockey, Lovell, '32, is President of The Dunham Co., Berea, Ohio.

Sibila, Alfred I., '35, is chief of engineering personnel, Chance-Vought Aircraft Co., Dallas, Texas.

Lawler, Jack, '40, is a patent attorney with Bosworth, Sessions, Herrstrom and Lawler, in Cleveland, Ohio.

Deems, Nyal W., '41, Comdr. USN, gets mail at Navy 3002 c/o Fleet PO, San Francisco, Calif.

Heppert, Ernest D. Jr., '42, is project engineer for Skidmore, Owings & Merrill, architectural-engineering firm in Chicago Ill.

Leachman, Robert B., '42, an employee of the physics div. of the Los Alamos, N. M., Scientific Laboratory, has been given a Gugenheim Fellowship. He will be engaged in nuclear physics research at the Nobel Institute for Physics, Stockholm, Sweden, for 12 months starting this fall. Leachman has received a leave of absence from his work at Los Alamos. With his wife and three children, he will sail in August for his overseas destination. While a student at the College, Leachman was editor of the Case Tech, undergraduate newspaper. He received a doctor's degree in physics from Iowa State in 1950.

Mills, Walter F., '42, is the newly appointed president and treasurer of the

- Columbia Transportation Service, Cincinnati. He was formerly vice president and general manager of the firm. Columbia has branches in Indianapolis and Toledo. The firm is engaged in renting and long-term truck leasing in addition to contract carrier operations. Prior to joining Columbia, Mills was sales manager of the Edgar T. Ward div. of the Solar Steel Corp., Cincinnati. He has a law degree from Reserve and is a member of the Ohio Bar. Mills is president of the Cincinnati Case Club.
- Nielsen, John R., '42, is chief quality engineer, for General Electric Co., Warren, Ohio.
- Rupp, Warren E., '42, is vice president of the Gorman-Rupp Co., Mansfield, Ohio.
- Nusbaum, William C., '44, received an MBA from Harvard in June and is now with Emerson Electric Co., St. Louis, Missouri.
- Wells, Wayne D., '44, is now a department mgr. for General Electric Co., Nela Park, Cleveland, Ohio.
- Salzer, John M., '47, is now assistant director of research of the Magnavox Company, Santa Monica, California. He lives there at 440-15th St.
- Graham, Robert W., '48, reports the birth of a son in March. The new father is an aeronautical research engineer for the National Advisory Committee on Aeronautics, Cleveland, Ohio.
- Kacir, Ivan, '49, is a development engr., with Thompson Products Inc. in Cleveland and home is at 1901 Grand Blvd., Euclid, Ohio.
- Keppler, Calvin, '49, is now a general foreman, U. S. Steel Co. Ohio Works, Blooming Mill, Youngstown, Ohio.
- Lisy, Thomas, '49, is sales engineer for Reliance Electric & Engineering Co., Chicago, Ill.
- Weber, Edward, '49, project metallurgist, for Brush Laboratories in Cleveland. Lives at 8312 Wainstead Drive, Cleveland.
- Kraince, Richard J., '50, is a service engineer with Ajax Mfg. Co., Cleveland, and lives at 24580 Lake Shore Blvd., Euclid, Ohio.
- McLaughlin, Richard, '50, is out of the navy and gets mail at 944 Main St., Conneaut, Ohio.
- Mehring Clinton W., '50, is with the Bureau of Reclamation in Denver, and has bought a new home in Golden, Colorado.
- Tanger, Donald, '50, reports the birth of a third son in August. The father is chief inspector at the National Screw & Mfg. Co., Cleveland, Ohio.
- Beck, William A., '51, received a Ph.D. at Purdue in June and is now an assistant professor at Bucknell University, Lewisburg, Pa.
- Cifelli, Leo L., '52, observed upon returning to Cleveland from overseas that civilian life seems different somehow from before he went into military service.
- "Maybe it's because I'm married now. That can change one's perspective, can't it? My wife is a wine lover who is trying to learn to drink milk. That's because she is French. She thinks America is a big Switzerland, but not so scenic.
- "Our little Leo embarrasses us sometimes. He has blond hair, blue eyes and a light complexion. Me? I'm of Italian descent."
- In addition to having the pleasure of showing his French bride the wonders of America, Cifelli is working at the Cuyahoga Works, American Steel and Wire div. of the U. S. Steel Corp., Cleveland, where he is a junior industrial engineer.
- Kusanke, Robert W., '52, Lt. USN, lives at 6 Perry St., New London, Conn.
- Protiva Norman E., '52, is with Aero Engineering Co., and home is in Glen Cove, New York.
- Schneider, Leland A., '52, lives at 17 Union St., Nantucket, Mass.
- Kitinoja Elmer A., '53, has a new daughter. He is with North American Aviation Inc. in Columbus, Ohio, and lives at 537 Chase Ave., Worthington, Ohio.
- Gunselman, Reed, '53, is on the engineering staff of East Ohio Gas Co., Cleveland, Ohio.

EPSILON

- Moody, Graham B., '12, retired from Standard Oil Co. of Calif. in 1954, now is busy as a geology consultant in San Francisco, Calif. with offices there at 215 Market St.
- Suman, John R., '12, vice president and director Standard Oil Co. of New Jersey, has retired. He is one of the nation's most widely known oil men. A former president of the American Institute of Mining Engineers, he is the author of "Petroleum Production Methods" a standard reference book for many years.
- Hegeman, A. K., '14, has been appointed vice president of Clark Brothers Co. of Olean, New York, but will continue to

- conduct the West Coast office in Los Angeles.
- Orynski, Leonard W., '15, is at 5531 Wateka Drive, Dallas, Texas.
- Dougherty, Ellsworth Y., '16, is mining engineer for the U. S. Securities & Exchange Commission in the western states and can be addressed at Room 304, 905 2nd Ave., Seattle 4, Wash.
- Priest, Donald B., '36, is assistant supt. production dept., General Petroleum Corp., Ventura, California.
- Thomas, Robert Pierce, '43, Geophysical engineer, Shell Oil Co., 1901 Main St., Durango, Colo. Residence, 2002 Eastlawn Ave., Durango.
- Reed, John J., '44, is head mine research engineer for St. Joseph Lead Co., Bonne Terre, Mo. He received a Ph.D. in mining engineering at California in June 1955.
- Rowland, David A., '52, can be addressed at Box 7841, University Station, Austin, Texas.

ZETA

- Parker, Ross I., '12, commercial vice president of the General Electric Co. with headquarters in Chicago, retired October 31st under the company's pension plan. He had been with the company for 43 years.
- Gibson, Woodman L., '18, deals with contract renegotiations for the U. S. Renegotiation Board in Chicago, Illinois. Home is at 134 Forest Ave., River Forest, Illinois.
- Fox, Paul, '20, is Chief of Field Party HWH of the Foreign Operations Administration and can be addressed c/o U. S. Embassy, Tegucigalpa, Honduras, Central America.
- Williams, James O., '21, is now in Boulder, Colo.
- Cash, George H., '28, is executive vice president of Cabot Carbon Ltd, in Sarnia, Canada.
- Wood, Wayne, '32, Col. USA, is at Sioux Ordnance Depot., Sidney, Nebraska, but temporarily at the Army Supply Management Course, Ft. Lee, Va.
- Shaad, Paul, '33, has been promoted to assistant general manager, of the Sacramento Municipal Utility District, Sacramento, Calif.
- Borel, Paul, '34, lives at 10 Holmes Run Road, Falls Church, Va.
- Heter, Edward D., '37, is an engineering supervisor for General Electric Co., and the family home is at 18 Griffin Road, Peabody, Mass.
- Thomen, Martin, '39, has entered the hardware business and home is at 2402 Hird St., Orange, Texas.
- Paulette, Charles W., '46, and family now live at 2944 Sycamore St., Alexandria, Virginia.
- Foster, Chas. Vernon, '47, is now a senior Chemical engineer with Continental Oil Co., in Ponca City, Okla., and the family home is at 305 North Pine, Ponca City.
- Brubaker, Alvin, '48, is with the design engineering department of the McDonnell Aircraft factory in St. Louis, Mo., and the family home is at 9822 Dennis Drive, St. Louis.
- Van Benthem, Francis, '49, and Miss Joan Sheridan were married in Montreal, Canada, on February 12, 1955. Home is at Apt. 1, Bayberry Road, Schenectady, New York, where he is with General Electric Co.
- Dougherty, Elmer L., '51, is a chemical engineer in the physics lab. of the Dow Chemical Co., Midland, Mich.
- Stinson, W. H., '52, and Ann Van Nortwick were married May 14, 1955. He tests planes for Cessna Aircraft in Wichita, Kansas.
- Walker, Clarence E., '52, is with General Motors Co. in Kansas City, Kan. Mail should be addressed to Box 460, Route 4, Parkville, Mo.
- Childers, Harry, '53, and Robert Sutton, '53, received degrees of Master of Automotive Engineering in June from the Chrysler Institute of Engineering in Detroit.
- Haight, V. Ronald, '55, is with Cities Service Co. and home is at 1108 High St., Topeka, Kansas.

ETA

- Richmond, Kenneth, '17, is vice president and treasurer, Abraham & Straus, Brooklyn, N. Y.
- Greatwood, Henry Royce, '25, lives at Hope Ranch Park, 777 Via Hierba, Santa Barbara, California.
- Davies, Maurice, '27, has been named professor of business administration at the University of Virginia. He was formerly manager and vice president of Van Cleef Brothers, a division of Johns-Manville Corp.

Botzow, Herman, '30, is operating a large farm near Brunswick, Ohio.

Hawkins, Edward, '30 is living in Danville, Va.

THETA

Schubert Robert W., '43, is now manager of administrative Services, IBM Engineering Laboratory, Poughkeepsie, New York.

Jagel, Robert C., '52, is now living at 346 North Mountain Ave., Upper Montclair, New Jersey.

Sherry, Edward, '52, is project engineer for propellant research contracts at the Rocket Development Lab. Redstone Arsenal, Huntsville, Ala. His address, Pvt. US51332375, det.B9330 Tu-ord., Redstone Arsenal, Huntsville, Ala.

IOTA

McMath, Robert P., '24, Army Captain, whose wife, Virginia, lives in Hamsville, Maryland, recently arrived for duty with the 9839th Technical Service Unit at Anchorage, Alaska. Captain McMath, a member of the Corps of Engineers Detachment 1, was last stationed at Fort Belvoir, Va.

Buescher, Romuald L., '53, Army Pvt., recently arrived in Alaska and is now a member of the 4th Infantry Regiment. Private Buescher entered the Army in July, 1954, and completed basic training at Camp Chaffee, Arkansas. He was stationed at Fort Sill, Oklahoma before arriving for duty in Alaska.

Bogue, Donald R., '55, Second Lt., recently was graduated from the 14-week officers basic course at The Engineer School, Fort Belvoir, Va.

Cruse, Richard L., '55, Second Lt., recently was graduated from the 14-week officers basic course at the Engineer School, Fort Belvoir, Va. His wife, Nancy, is living in Alexandria, Va.

Padan, John W., '55, Second Lt., recently was graduated from the 14-week officers basic course at the Engineer School, Fort Belvoir, Va. He was formerly an exploration geologist for The Pure Oil Co., Midland, Texas.

MU

Moxley, Stephen D., '23, has been elected President of the American Cast Iron Pipe Company. He is widely known throughout the country in engineering and industrial circles and holds membership in a number of technical associations. He is former vice president of American Society of Mechanical Engineers. He is also well known for his participation in civic activities of Birmingham and Alabama.

Daniel, Kenneth R., '36, has been elected Vice President and Chief Engineer of the American Cast Iron Pipe Company. He has published works on engineering topics in "Mechanical Engineering". He is a member of American Society of Mechanical Engineers, Association of Iron & Steel Engineers and is a Professional Engineer, State of Alabama. He is present secretary of Region IV ASME.

NU

Johnson, Horace H., '22, is branch manager of the National Cash Register Co. in Pittsburgh, Pa. He received the Man-of-the-Year award by the Sales Executive Club of Pittsburgh.

Kredel, Francis G., '23, has been named chairman of the Republic Steel Corp. bar mill committee.

Robertson, Ellis, '24, can be addressed at 110 Bradford St., Keene, N. H.

Putt, Donald L., '28, Lt. Gen. USAF, Deputy Chief of Staff for Research & Development received the Honorary Degree of Doctor of Engineering from

the Polytechnic Institute of Brooklyn in June.

Harvey, John, '34, can be addressed at Box 504, Route 8, Battle Creek, Mich.

McMaster R. C., '36, is a member of the staff of Battelle Memorial Institute of Columbus, Ohio. Formerly he was associated with the G. E. Co. and Naval Ordnance Laboratory in Washington, D. C. He obtained his Ph.D. at Cal-Tech in Pasadena.

Shaffer, William, '38, reports the birth of Thomas James on February 15, 1955

- in Tokyo where he is stationed as a Major USA.
- Philleo, Robert, '44, is a research engineer for the Portland Cement Association in Chicago, Ill. and also lectures in the evening at Northwestern University.
- Collier, Samuel L., '47, lives at 10799 Bridlewood, Houston 24, Texas.
- Garner, James D., '47, is on the sales staff of Point of Purchase Advertising, Inc., Pittsburgh, Pa.
- Harstine, John H., '47, is a research associate for Skelly Oil Co., Pawhuska, Okla., and reports a second son, James Edgar, born December 22, 1954.
- Straka, Robert Charles Jr., '47, and Joyce Ann Nolan were married on August 20, 1955, in Miami Beach, Fla. They can be addressed at 37-56—87th St., Apt. 6G, Jackson Heights 72, N. Y.
- Bickerstaff, William H., '48, is with Cutler-Hammer in Saginaw, Mich. Home is at 538 South 16th St., Saginaw.
- Franz, J. E., '48, traffic supervisor for Bell Telephone Co. is at Washington, Pa.
- Kutner, Howard B., '48, is now a member of the firm Irving M. Kutner & Co. C.P.A. 37 West 43rd St., New York 36, New York.
- Neubert, Vernon H., '48, is a teaching assistant and graduate student at Yale University.
- Crowley, Thomas J., '49, is with Blaw-Knox and lives at 544-11th St., Oakmont, Pa.
- McCurdy, Patrick P., '49, is a graduate student at Carnegie.
- Shaffer, Richard, '50, is a teacher on the Civil Engineering Staff of the University of Illinois, Urbana, Ill.

OMICRON

- Dix, Maynard, '39, and Michael Mueller, '53, are design engineers with Maytag at Newton, Iowa.
- Meier, Mark, '49, has been working on his Ph.D. in geology at Cal Tech; he was awarded a Fulbright scholarship for study next year in Innsbruck, Austria.
- Sutchiffe, Joe, '54, and Daniel Devine, '48, are with the Maytag Co., Newton, Iowa.

PI

- Burgess, William H. Jr., '53, received his M.S. at Lehigh in 1954. He was employed by DuPont in Niagara Falls, N. Y. until he joined the armed forces. He was married to Miss Rita Pollard of Charlottesville in December, 1953, and they now have a son, William Harold III.

RHO

- Pleasants, Joe L. Jr., '33, started a new business, McClain & Pleasants, Charlotte, North Carolina.

SIGMA

- Johnson, William R., '44, reports the birth of a daughter, Catherine Sydnor, on August 27, 1954. Home is at 1509 Hampton Road, Charleston, W. Va.
- Montgomery, George H., '44, is a sales engineer for the Masonite Co. in Dayton, Ohio.
- Grossman, William C., '51, reports the birth of a son on May 31, 1955. Home is at 1769 Lockwood Ave., East Cleveland, Ohio.

TAU

- Roehm, Frank J., '40, is manager of engineering services at IBM Corp. engineering laboratory, Endicott, New York.
- Foster, Robert, '43, reports the birth of a daughter, Lois Jeanne, April 8, 1955 at Kenmore New York.
- Russell, Robert C., '44, is body project engineer at Packard Proving Ground, Detroit, Mich.
- Bauer, David L., '48, is borough manager in Lititz, Penn.
- Buckel, Carl, '49, reports a son, Marc Alan, born March 22, 1955. Home is at 13123 Weddington Van Nuys, Calif.
- Nemeroff, Ira, '53, is electrical engineer, Federal Telecommunication Laboratories, Nutley, New Jersey.

UPSILON

Irby, Holcomb B., '50, reports his marriage to Mary Keyser Ketchum on May 1, 1955. At home in Mountain Home, Arkansas.

Robinson, William C., '51, served two years in the Air Force at WPAFB, Day-

ton, Ohio, and has now returned to Buckeye Cotton Oil Co., Little Rock, Ark., where he is a Mill Engineer.

Spinelli, William A., '51, 1st Lt. USA, is in the Billeting Office at White Sands Proving Ground, New Mexico.

PHI

McGlasson, Donald, '49, and family live on R. R. #5, Shelbyville, Ind. and he is employed by P. R. Mallory in Indianapolis, Ind.

Carman, James M., '53, is out of the army and at graduate school, University of Indiana. Mail should be sent to his home at Alexandria, Ky.

CHI

Morrison, Lee, '37, lives in Sacramento, California.

Lynn, Richard H., '38, is an engineer in San Bernardino, Calif.

Pierce, Jack, '38, is advertising manager for Compressed Air Magazine in Phillipsburg, N. J., and lives in Belvidere, New Jersey.

VanLoo, H. W., '39, is project manager for the U. S. Bureau of Reclamation in Yuma, Arizona.

Caldwell, Edward Jerry, '40, gets mail at Box 325, Superior, Ariz.

High, Richard, '40, is farming in Twin Falls, Idaho.

Pratt, Morton E. Jr., '40, is now at the Keystone Unit, A. S. & R. Co., Crested Butte, Colorado.

Bluhm, Floyd, '42, is engineer for the Bureau of Reclamation in Fresno, California. Home is at 5316 N. Van Ness Blvd.

Finn, Fred Norman, '44, now lives at 1933 Flowers, Sacramento, Calif.

Olbert, Richard, '45, is an engineer with United Concrete Pipe Co. in Delano, California. Home is in nearby Tulare, California.

Aldrich, Richard W., '47, is Party Chief of a Seismic survey for Magnolia Petroleum Co. in Seminole, Texas. In 1950 he married Rella Lou Danenberg of Roswell, New Mexico, and they have two sons.

Brittain, Richard L., '47, is now with Combined Metals Reduction Co., Pioche, Nevada.

McGinley, Frank, '47, is with the Atomic Energy Commission, in Plant City Fla.

Fei, Robert, '48, is general mgr. for National Petroleum Co. in Cairo, Egypt.

Midgard, Arne Jr., '49, is an engineer for Motorola in Phoenix, Arizona. Home is at 5316 North 32nd St.

Appelin Carl, '50, is a mining engineer in Grand Junction, Colo.

Hess, James, '51, is engineer for the Shell Oil Co. in Wilmington, California, and the family home is in Long Beach, California.

Severinghouse, Nelson Jr., '51, is assistant production manager, Calcium Products Div., Georgia Marble Co., Tate, Georgia.

Manning, Glenn, '52, now lives at 3057 Ladoga Ave., Lakewood, Long Beach, California.

Wallace, Robert, '53, is job superintendent for Royden Construction Co., Tuba City, Arizona.

Davis, Robert, '54, is with General Electric in Schenectady, New York.

Retrum, Ernest G. Jr., '54, is working in Wilmington but lives in Long Beach, California.

Anklam, Richard, '55, and Mary Katrine Barker, were married in June in Cottonwood, Arizona, and are now living in Los Angeles.

Ulrich, William, '55, is working for the Sandia Corporation at Albuquerque, New Mexico.

PSI

Shahan, William C., '54, Army Pvt., recently was graduated with honors from the nine-week general drafting course of The Engineer School, Fort Belvoir,

Va. Private Shahan entered the Army in August, 1954, after he graduated from Montana School of Mines. His wife, Evelyn, lives in Butte.

OMEGA

- Hall, Albert, '33, is construction supervisor, Bennett Campbell Inc. in Seattle, Wash., and lives at 17028 Hamlin Road.
- Munson, Gerald, '33, can be addressed at 4007 Meadowbrook Lane, Meadowbrook Manor, Minneapolis 16, Minn.
- Woodman, Frank, '34, is supt. of engineering for Columbia Southern Chem. Corp., Lake Charles, La.
- Berry, Eugene, '35, now is chief Office Engineering Branch, Engineering & Construction Div. Idaho Operations Office, Atomic Energy Commission, Idaho Falls, Idaho.
- Grow, Richard, '35, is now Toll Transmission Engineer N.W. Bell Telephone Co., in Des Moines, Iowa.
- Smith, Morton, '38, is group leader at Los Alamos, New Mexico.
- Woodle, Merlyn G., '39, has been appointed superintendent of Republic Steel Corporation's Minnesota ore mines. He will be in charge of the mining operations of Republic's Susquehanna, Stevenson and St. Paul mines, all of which are at Hibbing. After graduation Merlyn held positions with the Phelps Dodge Corporation of Arizona and the United States Geological Survey of the Bureau of Mines. In March, 1945, he was first employed by Republic as pit foreman and was promoted to assistant superintendent of the Minnesota mines on May 1, 1947. He recently returned from Liberia, West Africa, where he was temporarily employed as acting manager of the mining operations of Liberia Mining Company, Ltd. Married and the father of three children, he lives at Hibbing, Minnesota.
- Richardson, Harold, '40, is geophysicist for Chevron Oil Co. and lives at 2800 West Alabama, Houston, Texas.
- Donovan, Dan, '41, is now office engineer for Kenny Construction Co., Washington, D. C.
- Gilbrough, Malford, '41, reports the birth of Patrick James on March 21, 1955. Malford is vice president of the Denali Constuction Co., Seattle, Wash.
- Goldsmith, James R., '41, is Asst. Supt. Sponge Production for Cramat, Inc. subsidiary of the Crane Co., Chattanooga, Tenn.
- Hill, Robert, '42, is senior process engineer, for C. F. Braun & Co., Alhambra, Calif.
- Vobejda, Bill, '42, is now a design engineer with Stearns-Roger Engineers, Denver, Colo.
- Hannan, William, '43, is plant chief with N. J. Zinc at Austinville, Va.
- Wilcox, A. L., '43, is with Graver Water Conditioning Co. in New York City. Home is at 116 Washington Ave., Westport, Conn.
- Winkler, Robert O., '43, is with Peter Kiewit Sons Co. in their Los Angeles District office at 345 Kieways Ave., Arcadia, Calif.
- Ingwersen, Gordon, '44, has a new daughter. He is Plant Supt. Proof Co. Div., Essex Wire Co., Goshen, Indiana.
- Bischell, Ken, '47, and William Morse Jr., '43, are engineers at China Lake, Calif.
- Griffith, William, '47, is Group Leader, Research Dept., New Jersey Zinc Co., Palmerton Pa.
- Flittle, Cliff, '48, is back with Armaco at Dharan, Saudi Arabia.
- Boyle, Robert, '49 and Miss Giovanna Mary Cawley of Chicago were married August 27, 1955. He is with the G & W Electric Specialty Co., in Chicago.
- Hanson, Glenn M., '49, is back in Salt Lake City and can be addressed 303-6th Ave. He is with the U. S. Bureau of Mines.
- Monheim, Max, '49, is Dist. Plant Engr., N.W. Bell Tel. Co., Huron, S. D.
- Schoessler Don, '49, with Eastman Kodak can be addressed at 22830 Richardson Ave., Los Altos, Calif.
- Majerus, F. J., '50, Lt. Cmdr. ZX11 N.A.S. is at Key West, Florida.
- McLaughlin, Wm., '50, and Miss Patricia Ann Thil of San Jose, Calif. were married August 27, 1955.
- Boe, Ivan, '51, is sales manager of the Duluth, Minn., Div. GE Co.
- Brown, Harold, '51, is with the John Deere Tractor Works in Waterloo, Iowa.
- Howard, Leonard, '51, is now Structural Engineer, Duracrete Inc., Leesburg, Florida.
- James, Charles Dave, '51, Lt. USA, can be addressed at Box 7475, Area B, Wright Air Development Center, Wright-Patterson AFB, Dayton, Ohio. He came back from Greenland in January.
- Miller, Vance, '51, Ens. USN has been assigned to the San Francisco Naval Shipyard in California.
- Rose, Jack, '51, is at 75 Primrose St., Rochester 15, N. Y.
- Sacrison, Charles '51, is now General Pit Foreman Cons. Coppermines Corp., Kimberly, Nevada.
- Shafarek, Lennis, '51, is a designer for DuPont in New Castle, Del.
- Clark, Lyle D., '52, Lt. JG, is engineering officer on the USS Gyatt.

DePaola, Anthony, '52, is Technical Supervisor with Goodrich in Avon Lake, Ohio. He reports the birth of a son, Brett David, born March 30, 1955.

Lyons, Francis, '52, is out of the army and works for John Deere. Mailing address is 2517 12th Ave., Moline, Ill.

Estes, Leon, '53, out of the army can now be addressed c/o Socony-Vacuum Oil Co., Apartado 264, Caracas, Venezuela.

Anfinson, Eugene, '54, can be addressed as Ens. USN 55 E. Magnuson Way, Bremerton, Wash.

Fedt, Berion, '55, wants mail sent c/o Gilbert Fedt, Box 348, Watertown, South Dakota.

Fry, L. L., '55, can be reached at Can-ning, S. D.

Hart, Thomas, '55 has joined the staff at the White Pine Copper Co., White Pine, Michigan.

Heil, Terrence, '55, is addressed at Apt. 4, Vogel Pohl Apts., 104½ East Main, Mandan, N. D., where he is working for Montana-Dakota Utilities.

Leiter, Kenneth, '55, is a student at the University of Utah and can be addressed at 1040 East 2nd South St., Salt Lake City 2.

Parden, William, '55, wants mail sent to him c/o George Parden, Route #1, Aberdeen, S. D.

GAMMA BETA

Mikheofsky, Haaren A., '46, is now a member of the faculty at Rennselaer Polytech Institute, Troy, New York.

Mohl, Casper F., '55, is now addressed at 343 South Madison Ave., Apt. 3, Pasadena, California.

The prairie tourist, marveling at New England's scenery, finally asked a New Hampshire farmer where all the rocks came from.

The native replied, "The great glacier brought them here."

"Well," demanded the stranger, "where's the glacier now?"

"It went back for more rocks," the farmer drawled.

The old engineer pulled his favorite steam engine up to the water tank and briefed the new fireman. The fireman got up on the tender and brought the spout down all right, but somehow his foot caught in the chain and he stepped into the tank.

As he floundered in the water, the engineer watched him with a jaundiced eye.

"Just fill the tank with water, Sonny," he drawled. "No need to stamp the stuff down."

Dear Pop:

Everything fine at school. I'm getting lots of sleep and am studying hard.

Incidentally, I'm enclosing my fraternity bill.

Your son,
Pudge

Dear Pudge:

Don't buy any more fraternities.

Your pop,
Pop

"The Irish aren't so tough."

"How come?"

"Me and my brother and two guys across the alley almost licked one last night."

Top Sergeant (to recruits): "This afternoon the 1st Lieutenant is going to give you a talk on Keats. I'll bet none of you dumb cluks even know what a keat is."

COMMUNISM AND THE COLLEGE STUDENT—

(Continued from page 24)

the confidence man, therefore, the Communist labors incessantly to get his victims in the proper frame of mind—to "set up the suckers for the kill." Diligently and indiscriminately he pours his corrosive acid of disunity, hatred, and discontent over the worker, the professor, the artisan, the student.

What can you do to combat it?

Communism is the antithesis of Christianity. To endorse Communism is to deny all the tenets of Christianity—the great teachings which have guided our civilization during the dark ages of mankind's long upward climb toward the light. You can be Christian.

Communism is immoral. The Communist teaches that the end justifies the means. You can live positively. You can promote the dynamic morality which is essential to the preservation of a free nation.

Communism seeks "fronts." Don't provide protective coloring for subversive organizations by being an indiscriminate "joiner." Ascertain the ultimate objectives of groups which mouth platitudes and espouse causes before you lend the strength of your

name to their petitions and their rolls.

Communism feeds on ignorance. Be informed. Never yield to the disastrous luxury of emotional or "fuzzy" thinking. Stick to the facts.

Communism seeks change. It would make the state the master and the individual the slave. You, therefore, need to gain a true understanding of the republic in which the individual is the key. Our form of government is only as good as the people in it. Consequently, it cannot be perfect. But active and intelligent effort has made it function in such a manner that it has been the marvel and the envy of the world. You hold the future in your hands. Be a crusader for democracy.

Communism lives on lies. It corrodes honor, destroys integrity, and subverts all the qualities which combine in an individual to make him, in the truest sense, a man. Wherever there is an honest man, there is an island of strength. Live honorably.

Lastly, Communism wears a cloak of many colors. Learn to recognize those colors, and no act of yours will tend to bring to fruition the destructive harvest which the Communist seeks, and toward which all his efforts are bent.

*Reprinted from *The Bridge of Eta Kappa Nu*.

Ethics and Geology

By PHILIP J. SHENON—EPSILON '22

Mining Geologist, Salt Lake City

(Abstracted by Editor of *Geological Newsletter* from a speech given at a

meeting of a Section of AIME)

In 1952 Morgan Davis called attention to the indiscriminate movement of geologists from one oil company to another. Obviously many

were being hired not for their abilities but because of the knowledge they brought with them from the other company. More recently there has been indiscriminate movement of geologists from Federal Bureaus to private companies.

As a result of the uranium boom Federal agencies have hired hundreds of geologists many of whom were in positions to acquire much confidential information. The inevitable happened, and many were offered jobs at salaries much greater than they received in the government service. The jobs of course were concerned with the same commodities and the work was in the same areas where they had been working as government employees.

There is of course no reason why one should not change his employment as often as he likes, *provided no principles are compromised*. However, a geologist compromises principles when he knowingly carries confidential information from his government to be utilized by a private company or individuals. An unwritten rule of the USGS has been that its members would not go back into a district in a private capacity for two years after they had been there for the Survey—a good rule.

To illustrate: A former head of a department in one of our respected Federal agencies, incidentally not the USGS, dealt in specialty minerals and had acquired a great deal of confidential information concerning them. Not long ago a large private company hired him to head up a department that the company was set-

ting up to look for the same minerals. Was he hired for his abilities alone?

Another government employee, connected with the discovery of a valuable mineral deposit in the northwest, resigned shortly after the deposit was taken over by a large company from a friend acting as the middle man. I understand this former government employee has been receiving a substantial royalty ever since.

Two young Federal geologists worked in an area that must have looked hopeful because I understand they staked the ground and then sent in their resignations.

There are other examples. All these men compromised principles as did the companies that hired them.

Another example of bad ethics. For a substantial fee some consultants in the uranium business will tailor a report almost to any requirement. Some of these consultants are college professors. In fact, some of the most lurid broker's reports have been written by college professors.

The geological profession is respected, and most of us in the business would like to see it continue that way. The uranium business is young and has a wonderful future. But it has growing pains and some geologists have taken advantage of its youth.

It has been proposed to relieve the situation by having geologists licensed. But the principal requirement for licensing is simply to pass an examination and the people I have been talking about could breeze through such an examination. Actually, licensing laws give backsliders

respectability because they can hang a diploma over their desks. Personally I am opposed to licensing and the regimentation that goes with it until a workable plan is proposed.

What is the answer?

It seems to me the best place to begin is in the schools. Professors, of the right kind, can by example and advice do a lot toward instilling high

ideals into students. Medical and dental schools commonly include instruction in professional business practices and ethics.

The societies can also do a good deal, by drafting a meaningful code of ethics, and by publishing articles by men of high professional standing pointing out the importance of ethical practices.

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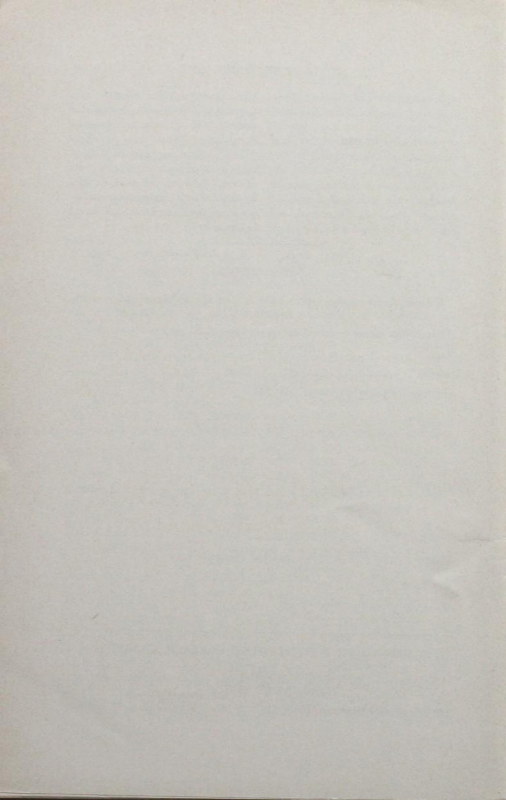
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