

The
GEAR
OF THETA TAU

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The GEAR of
THETA TAU



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Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

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THE GEAR OF THETA TAU

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- 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 Dr. Leslie W. LeRoy, 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. Nelson S. Fisk, Col. of Eng., Columbia University, New York City
- LOTA, *Established February 5, 1916* - - - - Missouri School of Mines
c/o Prof. J. B. Butler, Missouri School of Mines, Rolla, Mo.
- LAMBDA, *Established April 29, 1920* - - - - University of Utah
c/o George W. Carter, College of Engineering, Univ. of Utah, Salt Lake City
- MU, *Established January 3, 1922* - - - - University of Alabama
P. O. Box 2043, University, Alabama
- NU, *Established January 1, 1922* - - - Carnegie Institute of Technology
P. O. Box 114, Carnegie Institute of Technology, Pittsburgh, Pa.
- 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
Box 44, Iowa Memorial Union, Iowa City, Iowa
- PI, *Established May 26, 1923* - - - - University of Virginia
c/o Prof. Lawrence R. Quarles, College of Engineering, University, Virginia
- 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) 47 East 16th Avenue, Columbus, Ohio
- TAU, *Established December 12, 1925* - - - - Syracuse University
c/o Prof. Bart J. Conta, Col. of Applied Science, Syracuse Univ., Syracuse, N.Y.
- UPSILON, *Established April 7, 1928* - - - - University of Arkansas
(Chapter House) 612 Storrer St., Fayetteville, Arkansas
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(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.

Grand Regent's Message

The 18th Biennial Convention of the Fraternity will be held during the last week of December. These conventions are a most important part of the official activity of the Fraternity. It is then that the members and chapters through their delegates, exercise the vital governmental functions which control the day-by-day operations during the biennium to follow. The only other exercise of such functions is the laborious and rare mail vote which is resorted to in emergencies.

All chapters should be careful to send delegates of proved ability and integrity. Serious actions are discussed and enacted. Sound consideration and dispatch are absolutely necessary if the work is to be properly accomplished. Frequently (and unfortunately) there is little or no time for diversion so do not send any "playboys." Conventions cost real money and real value must result.

Delegates and alternates must be familiar with all material mentioned in the instructions received from the Grand Scribe. An unqualified member

can be rejected and his expenses denied. Furthermore, each convention elects, by vote of chapter representatives, the outstanding delegate and this is an honor that every chapter should covet.

Delegates should be equipped with proper credentials and instructions. Too frequently delegates have been embarrassed during convention sessions because of "fuzzy" instructions from their chapter. The late Dr. Peter Marshall, while chaplain of the U. S. Senate offered this invocation: "Lord give us wisdom and clear vision because if we don't know where to stand and what to stand for we may fall for anything."

Lastly, when convention forms are received take proper chapter action and return the forms promptly and properly. Delinquent chapters will be announced during the Convention.

It is an honor to serve the Fraternity during conventions—let all of us be worthy of it. I shall look forward to seeing those who come.

Norman B. Ames
Grand Regent

Regional Conferences

Four regional conferences have been or will be held this academic year. Region 3 was first with a meeting of Alpha, Beta, Iota, Xi, Omicron (host), and Upsilon, a report of which appears in this issue. Region 4 followed shortly with a meeting at Salt Lake involving Gamma, Epsilon, Lambda (host), Chi, Psi, and Omega Chapters. Letters

regarding these meetings follow.

Reports on the meeting of Region 1 on March 25 are not available. This meeting involved Theta, Pi, Rho, Tau and Gamma Beta (host).

Region 2 is scheduled to meet April 15, 16 at Columbus with Sigma Chapter as host. Past Grand Regent Russell Glass will have charge of this meeting.

Dear Brothers:

Those of us from Omega Chapter who attended the Region Four Conference at Salt Lake City on November 25 and 26 wish to let our Brothers of Theta Tau know of our appreciation to Lambda Chapter for being the fine host that they were. None of us had ever attended a fraternal conference before, and we all felt that we gained a great deal from this conference. In addition to attending the meetings and talks, it was very pleasing to meet so many of our brothers from Lambda, Gamma, Epsilon, Chi, and Psi.

We are enclosing two snapshots taken while we were at the conference. The larger group picture is of all the

delegates present. We regret that Brother Davis of Lambda did not quite get completely in the picture.

We regret that our snapshots did not turn out better, but our camera was only equal to our photographic knowledge.

We wish to say "hello" to all of our brothers that we met at Salt Lake City and we hope that they, as well as all of our brothers, will drop in to see us if they ever get around to this part of the country.

Yours in H & T,

Vance E. Miller, Jr.

Don P. Bush

Arnold A. Ulmer

Keith Graham

Charles W. Meyers



Delegates at Region Four Conference,
Salt Lake City, Nov. 25, 26, 1949



Omega Delegates at Salt Lake City.
Meyers, Ulman, Bush, Graham, Miller

Dear Brother Howe:

On behalf of Upsilon Chapter, I would like to extend to you, Brother P. L. Mercer, and Omicron Chapter our most sincere appreciation for the manner in which the Theta Tau Regional Convention, November 19, 20, 1949 was conducted.

I believe the convention was beneficial to all six chapters that attended; to Upsilon, there is no doubt that it was.

To be able to converse with Theta Tau members from other chapters,

exchange ideas, and learn the different techniques used by other chapters in upholding the principles of Theta Tau Fraternity is invaluable.

Such conventions, it seems to me, should definitely be continued, in order that Theta Tau shall continue working together as one large body of leaders.

With best wishes to all,

Yours in H & T,
William E. Shook, Regent
Upsilon Chapter

Theta Tau Congratulates

A partial list of Theta Taus who have recently moved to key positions appears below. Additional information for most of them can be found in the Alumni Notes.

Harry Darby, Kappa '17

U. S. Senator from Kansas
Washington, D. C.

Donald H. McLaughlin, Epsilon '14

President, American Institute of
Mining & Metallurgical Engineers

W. M. Lewis, Gamma '09

(ex Alpha #3)
President, Layne-New York Co.,
Inc., Linden, New Jersey

Theron T. Chapman, Xi '26

President, Riverdale Products Co.,
Chicago, Ill.

Vernon T. Mattson, Gamma '26

Director, Colorado School of Mines
Research Foundation, Golden, Colo.

John Marcus Gardner, Gamma '33

President, International Derrick &
Equipment Co., Dallas, Texas

Gordon M. Amstutz, Sigma '27

General Works Manager, Oil Well
Supply Co., (U. S. Steel), Dallas,
Texas

Elisha Gray, Eta '28

President, Nineteen Hundred Corp.
St. Joseph, Mich.

William C. Foster, Eta '18

Deputy at Large, E.C.A.
American Embassy, Paris

John B. McPherson, Chi '40

Col. USAF, Carswell AFB
Ft. Worth, Texas

Harry Reichelderfer, Kappa '18

Brig. General, Signal Corps Lab.
Ft. Monmouth, New Jersey

Kenneth B. Bush, Kappa '16

Brig. General, Adjutant General
Mac Arthur's Staff, Japan

Robert D. Bradford, Lambda '24
General Manager, Western Division
A.S. & R. Co., Salt Lake City, Utah

E. D. Gardner, Lambda '06
Chief Engineer, U.S. Bureau of
Mines, Washington, D. C.

At the celebration of the 75th Anniversary of the establishment of the Colorado School of Mines, at which we were represented by Maurice Robineau, Gamma '23, Lester C. Thomas, Gamma '12 President of the School's Board of Trustees, conferred upon 31 eminent alumni the Colorado School of Mines Distinguished Medal. Of the 23 alumni thus honored who had graduated in the years since the establishment of Theta Tau there in 1907, *twelve* were alumni of Gamma Chapter:

Frederick F. Frick, Gamma '08
Research Engineer for Anaconda
Copper Mining Co. since 1915.

Donald O. Russell, Gamma '09
Since 1946 permanent director and proprietor of W. R. Loxley & Co. (London) Ltd., W. R. Loxley & Co. (China) Ltd., Perrin Copper Co., Ltd., North China Wool Co., Ltd., and deputy chairman of directors, J. A. Russell & Co., Ltd.

William Crawford Douglass, Gamma '11 Vice president, director and general manager, Kelowna Exploration Co., the South American Development Co., The South American Mines Co., the Calera Exploration Co., and the Walnut Canyon Mining Co.

Kenneth H. Matheson, Gamma '11
Consulting Engineer for New York & Honduras Rosario Mining Co. and the New York & El Salvador Mining Co.

Donald Dyrenforth, Gamma '12
Manager of North American Sales for the Dorr Co. of New York City, co-inventor of the Dorr multizone classifier.

Alan Kissonock, Gamma '12
Mining & Metallurgical consultant. President of Alan Kissonock & Co. of New York, and Alan Kissonock Ltd. of Canada.

Elmer R. Ramsey, Gamma '12
President and Director of the Door Co., New York City.

Philip Edward Nolan, Gamma '13
Recently retired as chief geologist of the Mene Grande Oil Co.

Benjamin Clark Essig, Gamma '15
Vice president and director of the Gardner-Denver Co. Director of the Argo Oil Co. President of the State Board for Vocational Education of Colorado, president of the Denver Chamber of Commerce, and former president of the Colorado Manufacturers Association.

Raymond Victor Whetsel, Gamma '16
Director of foreign operations of the Cities Service Co., president of Cia. de Perrenos Petroliferos Imperio, V. P. and Dir. Mexico-Cities Service Petroleum Co., Mexico-Texas Petroleum-Asphalt Co., Mexico Western Oil Co., Sabino Western Oil Co., Zulia Petroleum Corp., Sinclair Panama Oil Co.

Rene Jean Mechin, Gamma '19
Vice president, Leadridge Mining
Co., Ltd.

Maurice Henry Robineau, Gamma '23
President, General Manager, Direct-
or Frontier Refining Co., Denver.

Regional Conference At Omicron

A regional conference involving Alpha, Beta, Iota, Omicron, Upsilon, and Xi Chapters convened on the weekend of November 19-20, 1949 at Iowa City with Omicron acting as host chapter. Brother P. L. Mercer, former Grand Inner Guard, was the representative of the Executive Council in charge of the meeting.

The attendance from visiting chapters was as follows:

ALPHA

Angvall, R. C.
Appledorn, Conrad
Julio, Cordero
Schwartz, Glen

BETA

Besemer, T. E.
Gerrdey, D. M.
Hall, D. J.
Larson, Lionel
McMaster, Robert
Wite, Dick

IOTA

Collins, William
Jadwick, John
Zane, Robert
Butler, J. B.

XI

Kempka, Gilbert
Pitt, Charles
Vinette, Joseph
Wallesz, Mark

UPSILON

Corley, Senyard
James, David H.
Koonce, James T.
Robbins, Billy A.
Shook, Wm. E.

Brother Lazenby of Omicron opened the Saturday afternoon meeting and Brother Mercer outlined the organization plans. A topic was assigned to a delegate from each chapter and discussion was lead by this brother. Collins of Iota lead off with "School Service Programs" followed by Besemer of Beta on "Leadership and Development," and Appledorn of Alpha on "Alumni Relations." Discussion from the floor followed on each topic.

That evening a dinner followed by an informal party at Brother Ashton's "castle" gave the delegates a chance to hear some new songs and meet some Iowa girls.

Sunday morning saw the continuation of the discussion topics. Olson of Omicron began with "Membership and Pledging Problems," followed by Pitt of Xi on "Initiations, Ritual, and Meetings," and James of Upsilon on "Records and Finance."

Minutes of the meeting were kept by Brother Peterson of Omicron and distributed by mail to the chapters concerned and the Executive Council. What with the floor discussions and the social activities the delegates had an opportunity to get acquainted and to swap ideas. All agreed that the weekend was most profitable.

Harry Mergler Invents Mechanical Brain

Salvaging \$5,000 worth of war surplus material, young physicist Harry W. Mergler, Delta '48, project engineer at NACA's Lewis Flight Propulsion Laboratory, Cleveland, has built a computing machine which tallies up a creditable mark for him in the ever widening field of unusual alumni accomplishments.

In the use at the laboratory in Cleveland, the machine is hailed by veteran engineers as a device which will speed the day when planes can be equipped to fly despite atmospheric icing conditions.

Brother Mergler, 25 years old, designed the machine, a mechanical differential analyzer, saving the NACA more than \$200,000 which it was ready to spend on a similar machine.

The machine is one of eight of its type in the world, and in minutes it can give NACA engineers the answers to mathematical problems heretofore considered unsolvable. The unit cost \$5,000 to build, including \$1,287.71 for new materials.

In July, 1948, when Brother Mergler started to work at the Laboratory as a physicist in the instrument division, he learned of the unsolved mathematical equations related to cloud physics and the conditions of icing. He spent three months at a drawing board last summer, aided by Prof. D. K. Wright, Jr. designing a computing machine which would solve these and other equations. Racing to complete the mechanism in time to use the ice data gathered by NACA flight crews this winter, technicians in the instrument fabricating division built the analyzer in the record time of nine weeks.

The first problem put to the mach-

ine — one for which Mergler had the answer — whirled through the intricate gearing and driveshaft of the analyzer smoothly. The completed ans-



wer proved to be well within exacting engineering requirements.

While immediate use of the machine is for determining the speed and trajectory of cloud water droplets approaching an airfoil in flight, Brother Mergler said it is valuable to any research requiring evaluation of differential equations.

It can solve in one minute, problems that would require approximately 300 hours of difficult written calculations. One problem which a physicist labored 13 months to complete was answered in 20 minutes by the machine.

Basic parts of the computer were removed from surplus anti-aircraft gun directors. Brother Mergler became familiar with them at the Ordnance

Research Laboratory, Frankfort Arsenal, Philadelphia, where he was stationed during the war.

The successful operation of the analyzer at the Lewis Laboratory has made possible solutions to many here-

tofore avoided equations and has also served to encourage the mathematical attack of problems believed to be outside the realm of economical research.

Case Alumnus

Charles Luckman Leaves Lever Brothers

Charles Luckman, Kappa '30, who started as a soap salesman at 21 and played a major part in putting Lux, Lifebuoy, and Pepsodent into millions of American homes resigned as president of Lever Brothers Co. at the age of 40 because of a disagreement with the European owners.

The Missouri-born "boy wonder" of business, who headed the war-time famine emergency committee and originated eggless Thursdays and meatless Tuesdays to save food for Europe,

made no mention of his future plans.

Luckman's resignation was announced by Sir Geoffrey Heyworth, chairman of the British parent company, Lever Brothers & Unilever, Ltd., and Paul Rykens, chairman of Lever Brothers & Unilever, N. V., the Dutch branch.

Persistent reports come from Washington that Brother Luckman has been offered the chairmanship of the atomic energy commission when David E. Lilienthal retires to private life.

John R. Donnell Named Ohio Oil Treasurer

John R. Donnell, Delta '34, has been named treasurer of the Ohio Oil Co. Findlay, Ohio. He has been assistant to the manager of production since 1944. Brother Donnell joined the company in 1936 as a special representative in the executive offices. He is a director and secretary of the Rock River Petroleum Co. and a member of the American Petroleum Institute.

Since 1939 he has been a director of the First National Bank of Findlay, and chairman of the board since 1947. He served as interim president of the bank from January to July 1947.

During the war, Donnell was chairman of the Hancock County War Finance Committee which conducted seven highly successful war loan drives. One of his main interests has



been the Boy Scouts of America, which he joined in 1925. He is a member-at-large of the national council and a member of the national committee on Cubbing. Brother Connell has also been active in the Y.M.C.A. and is now serving on the World Service Committee of the Ohio-West Virginia Area Council.

Since 1942, he has served on the Findlay board of education, being elected president of the board in 1944. He is a past president of the Findlay hospital association and is a member of the advisory board of the hospital's endowment fund.

Case Alumnus

Herman Seible Named Outstanding Student

Herman Eugene Seible, Rho '50, a senior in mechanical engineering, was chosen recently as the most outstanding student in the School of Engineering at N.C. State College for the 1949-50 academic year.

Brother Seibel, a veteran of World War II, was awarded an engraved gold watch by Dean J. H. Lampe of the College's School of Engineering, who praised him for both his scholastic and extra-curricular accomplishments. Presentation of the award was made during a special ceremony at the annual Engineers' Ball in Memorial Auditorium.

Brother Seibel, who will graduate with a B.S. degree in mechanical engineering in June, was selected for the coveted honor by a State College faculty committee, composed of Chancellor J. W. Harrelson, Dean of Students E. L. Cloyd, and Dean Lampe. Dean Lampe said that Brother Seibel has made a scholastic record of 93 out of a possible 95, that he is "one of the outstanding citizens in the college community," and that he has earned 20 percent of his college expenses while continuing his studies.

In 1946 Brother Seibel, entered the



college following 28 months of service as a paratrooper in the U.S. Army and previously has had industrial experience as an electroplater at the Norfolk Navy Yard and a posting clerk for the H. J. Heinz Co. in Norfolk.

He is chairman of the State Student Branch of the American Society of Mechanical Engineers; vice president of Tau Beta Pi, and treasurer of Phi Eta Sigma, a member of Pi Tau Sigma, Phi Kappa Phi, Blue Key, The Engineers' Council, and the Departmental Honor Committee.

George Gallagher With A.E.C.

George G. Gallagher, Gamma '24, has been appointed Assistant Manager of the Raw Materials Operations Office of the U.S. Atomic Energy Commission, it was announced recently by the ACE. He replaces Jesse C. Johnson, who recently became Deputy Manager. Before joining the Commission staff, Brother Gallagher was general superintendent of the Compania Minera Venturosa, S.A., at Namiquipa, Mexico. During the war and until 1947 he was an examiner

in the Mining Section of the Reconstruction Finance Corporation. He has been active in mining engineering work since 1923.

As Assistant Manager of the Raw Materials Operations Office, Brother Gallagher will have direct supervision of the domestic uranium program of the ACE, the facilities of which include the Colorado Raw Materials Office at Grand Junction, Colo.

Mines Magazine

T. M. Linville Takes Post With G.E.

T. M. Linville, Pi '26, has been appointed staff assistant to the manager of engineering, Large Apparatus Divisions, in the General Electric Company. Brother Linville was graduated from Virginia in 1926 and joined G. E. that year on the Test

Course. Since then his work has been in Motor and Generator Engineering, and he received the Charles A. Collin award, G. E.'s highest award for achievement, for development of submarine propulsion machines during World War II.

Harry Darby Climbs the Ladder

Son of a boiler maker, Harry Darby, Kappa '17, was born within sight of the huge Darby operations in the Kaw Point area. His father opened the first shop, the Missouri Boiler Works on Fifth St., Kansas City, Mo. Later it was moved to the Kansas side and there Harry served as an apprentice and was an expert boiler maker before he graduated from High School.

After that he entered the University of Illinois and was prominent in student activities on the campus, becoming councilman of the student union, president of Sachem, the junior honor society, and member of Ma-Wa-Da the senior society. In his senior

year he was elected president of the student union without opposition.

He did not complete his senior year at the University but took a special examination and on April 23, 1917, went to officers training camp. He served with the Field Artillery from Chateau-Thierry to the Soissons-Rheims line and was released from the service as a major, then returning to Kansas City and the family business. In 1923 his father died and his mother felt that she would have to sell the business but Harry went to the Exchange State Bank and borrowed \$120,000. He was only 28 at that time. He had nothing in his pockets

and no prospects but the bank had confidence in his ability so he went out and rustled new business, adding new tools and equipment and had a crew of 50 men. As a side line he organized the American Legion, served as president of the Chamber of Commerce and became active in politics. In 1928 he returned to Illinois for a time, wrote a very specialized thesis and received a degree as mechanical engineer. In 1933, Governor Landon asked him to take the position of chairman of the Kansas Highway Commission. He put it on a sound financial basis and made a new name for himself. In 1937 when the Kaw Steel Construction Co. was in the hands of the court he got the huge plant on lease and entered the field of big business. He sent mines to the coastal defense areas, built steel gates for the Panama Canal and during the war

really got going. The Darby Corporation launched some 1400 LCT and LCM boats at the rate of one a day, locomotives complete except wheels, 1000 lb. armor piercing shells close to 200,000 all told, etc. When he was 43 his doctor told him he would have to have an operation and retire from work. He could not be sidelined and today is in excellent health. He is a national figure in Republican circles but his appointment as senator is his first public office. He has served on the national committee for nine years, handles jobs on half a dozen corporation directorates and is co-chairman of the state 4-H Club Committee. The fraternity wishes for him the same useful success as a senator as he has had in his professional work. Where but in free, capitalistic America would such a career be possible?

E. J. S.

John D. Ingram Returns to Gear Firm

John D. Ingram, Delta '24, has recently become sales engineer for the Horseburgh & Scott Co. and is located at their plant in Cleveland. He is familiar with the H & S line of industrial gears and speed reduction units, having been associated with this same firm during the years of 1925 to 1941 as their design engineer.

Brother Ingram has been connected with the gear industry most of the years since graduation. He started with Cleveland Worm & Gear as their experimental engineer and early in 1925

went to Horseburgh and Scott and served as design engineer until 1941. During the years 1941 to 1949 he was with the Ferro Engineering Co. for a short time and for the next four years was with the Wellman Engineering Co., Akron, Ohio, as production engineer and engineer in charge of tank development. For the past three years he has been a manufacturer's representative selling power transmission equipment in Cleveland and surrounding territory.

Case Alumnus

Copies of "A Professional Guide For Engineers" by the late William E. Wickenden, Honorary Delta, can be obtained for \$1.00 from the Engineers Council for Professional Development, 29 West 39th St., New York 18, N.Y.

This handbook was written to aid young engineers in preparing themselves for professional work and was begun by Dr. Wickenden in 1942 and largely completed before his untimely death in 1947.

Mark Gardner President of International Derrick

The election of Mark Gardner, Gamma '33, as President of International Derrick & Equipment Com-

pany, Cleveland, Ohio, was announced recently by J. B. O'Connor, Ideco's Board Chairman and Executive Vice President of Dresser Industries, Inc.,



of which Ideco is a subsidiary. Brother Gardner will make his headquarters in Dallas, Texas, where the company's headquarters are being moved.

A native of Colorado and a graduate of Petroleum Engineering at the Colorado School of Mines, Gardner joined the field staff of Phillips Petroleum Co. in 1933. In 1935, after a year as a driller with Loffland Brothers Co., he returned to Phillips Petroleum as Drilling Superintendent in charge of company tools.

Entering the army in 1942, as an officer in the Corps of Engineers, Brother Gardner served overseas for 26 months. Upon his discharge in 1945, he rejoined Phillips as Assistant General Superintendent of Production, resigning in 1946 to accept the position of Vice President of Loffland Brothers and its foreign subsidiaries.

Mines Magazine

Donald Carpenter Honored

On June 24, 1949, Donald F. Carpenter, Eta '22, was awarded the National Military Establishment Certificate of Appreciation. It was presented to him by Secretary of Defense Louis Johnson in the Secretary's office in the presence of a large group of distinguished guests including officials of the Military Establishment and members of Congress. The citation stated "Donald F. Carpenter, for exceptionally meritorious service to the National Military Establishment from April 8, 1948 to June 24, 1949. At the request of the Secretary of Defense, Mr. Carpenter left his civilian occupation to assume the Chairmanship of

the Military Liaison Committee to the Atomic Energy Commission. In this capacity Mr. Carpenter demonstrated unusual tact and ability in developing military atomic energy programs and under his guidance and direction military atomic energy activities were materially furthered. In September 1948, Mr. Carpenter was appointed by the President to serve as Chairman of the Munitions Board. Faced with unprecedented problems in supply, distribution, storage and procurement, Mr. Carpenter showed remarkable initiative and zeal in directing comprehensive studies and developing effective solutions. His service to the govern-

ment is deserving of the highest praise." Brother Carpenter has returned to the Du Pont Company in Delaware after having been on leave of absence

from the Remington Arms Company, Inc., of which he was vice president and assistant general manger.

Technology Review

Maurice F. Crass Made Secretary of Manufacturing Chemists

Maurice F. Crass, Jr., Delta '26, has at been made secretary of the Manufacturing Chemists' Association, Washington, D. C. He served as assistant secretary since 1938 and is the fifth full-time secretary in the 77-year history of the organization.

After graduation, Brother Crass worked for a short time for Goodyear Tire and Rubber Co., until a Grasselli fellowship made it possible for him to continue his studies towards a master's degree. He obtained the latter from Case in 1930 and continued to teach there for two years and did some research work in chemical engineering

Reserve and Michigan. He then went with the Palmer Match Co. to act as chief chemist.

Brother Crass has published several papers on matches and the history of the match industry, a field that has been noticeably neglected from a literature standpoint. Although several years have passed since the date of his last publication on the subject, requests for reprints continue to come to him. He has also published papers on the safe handling and transportation of chemicals.

Case Alumnus

Homer Goddard Elevated to Marketing Post

Homer A. Goddard, Jr., Gamma '25, has been named assistant general manager for industrial marketing for Gulf Oil Corporation. In his new post Brother Goddard will be responsible for direct sales of Gulf products to industrial plants and organizations.

After graduation from the Colorado School of Mines, Brother Goddard worked for several years in the operating end of the brick and coal mining industries. He later served with Bethlehem Steel Corp. and with Mine Safety Appliances Co. in industrial sales. He joined Gulf in 1942 as industrial lubrication engineer with the Pittsburgh Division, later becoming superintendent of industrial sales for the Division, and then assistant Di-

vision manager in charge of industrial sales.



Mines Magazine

Letters To the Editors

133 Coventry Road
Kenmore 17, N. Y.
January 23, 1950

Dear Brother Howe:

Enclosed is the tear sheet from my latest Gear with the request information. In addition may I add the following.

I am working for the Research Laboratory of the Linde Air Products Co. Tonawanda, New York. We have two children, the second, Carolyn Sue, was born July 14, 1949.

Can you advise if there is an active alumni group in Buffalo-Niagara Falls area?

Yours in H & T,

Robert H. Foster, Tau '33

There are no alumni associations in your neck of the woods, Brother Foster. Cleveland and Washington are the nearest.

c/o Allis-Chalmers Mfg. Co.
25 E. Boardman St.
Youngstown 3, Ohio
February 15, 1950

Dear Brothers:

Last fall I was transferred from Milwaukee to our Youngstown, Ohio district office and I did not realize my file of Gears had been lost in the move until I missed not getting my copy during the holidays. Not being able to forward the attached change of address page from the Gear I had to go back to my Theta Tau pals at the main office of Allis-Chalmers for some help. They came to the rescue as you could expect and I will be looking forward to receiving my missing copy.

It has been a long time since I have written to express my appreciation for the good magazine you fellows are putting out. Please keep it up.

I joined Allis-Chalmers after graduation in '42 and during my stay in Milwaukee I married and now have two children, David age 1½ and Janis Lynne age 4. We are all doing fine, but as yet I haven't much to say for Youngstown. Are there any Theta Taus in this fair city?

I will be looking forward to the Gear and thank you.

In H & T,
W. D. Busch, Iota '42

Our geographical index was abandoned during the war, Brother Busch and we now have no way of finding those in a particular city, except the

hard way! The next directory will have such a listing no doubt.

569 W. King St.
York, Pennsylvania
January 20, 1950

Dear Brother Howe:

After graduating from North Carolina State College in June 1949, I was employed by York Corporation in their College Graduate Training Course, I have now completed the class room phase of this training, my next year will be spent on the job training as a sales engineer under the supervision of Brother Fred B. Kinley, Gamma '27.

Fred is now a Senior Sales Engineer for the Corporation, being located at the home office. Prior to this, he was with the International Division of the Corporation, serving in the Middle East. His son, Fred Jr. has just received an appointment to the U. S. Naval Academy. He will enter the Academy this fall as a member of the Class of '54.

During the next year I will receive my mail at the above address.

I'm looking forward to the next issue to the GEAR.

Yours in H & T,

Robert T. Lloyd, Jr., Rho '49

Hope your test of brotherhood is a pleasant one, Brother Lloyd.

707 Cambridge Ave.
Morgantown, W. Va.
February 21, 1950

Dear Brothers Howe and Mercer:

The latest copy of the Gear has been received and of course read with interest. I am still located at Morgantown, West Virginia, however I would like for you to change my address to 707 Cambridge Ave.

I would like to hear from any of the Brothers from Rho Chapter who might have the time to drop me a line.

Yours in H & T,

Thomas H. Blount, Rho '40

That "of course" makes us friends, Brother Blount. Hope some of your old gang spots your letter.

Lima, Ohio
March 9, 1950

Dear Brother Howe:

Just a few lines to let you know that I have changed my address again — this time for a few years I hope. My new address is

130 N. Pierce St., Apt. 12, Lima, Ohio.

I have just finished a formal, 8 month Technical Graduate Training Course which consisted of one week assignments on all the process units in our five refineries, and assignments of varying lengths in the maintenance, utilities, research, and refining control departments. This was a very excellent introduction to the manufacturing department — especially for a mechanical entering a chemical processing industry.

I have been assigned to the Lima Refinery since March 1, 1950. Technically, I am in the Engineering Inspection Division, but in the refinery, we are referred to as "The Metal Inspector." We are responsible for maintaining continuous records on all of the process units, calculating retiring limits on pressure vessels and piping, calculating corrosion rates in process equipment, recommending repairs and replacements within the units, and selection of new alloys to meet process requirements where necessary. This is an extremely interesting field, and most of our work is accompanied by a visual as well as mechanical inspection of piping, pressure vessels, furnace coils, and fractionating towers. The note of danger in the modern, high capacity refinery makes the job an even more intriguing one.

I've been wondering why our Omicron brothers have not sent out a news letter this year. Sure hope they are still preparing one. Congratulations on the Fall Gear — I enjoyed it very much.

Yours in H & T,
Ray Hudachek, Omicron '49

Omicron sent out a newsletter in January, Brother Hudachek, maybe that address change held up your copy.

714 N. Pearl Ave.
Joplin, Mo.

Dear Brother Howe:

Thank you for the Fall '49 issue of the GEAR. It is the first I have ever received. This is probably my own fault, however. It was a real pleasure to read about other members.

Thanks again.

Yours in H & T,
Allen Crowley, Gamma '39

We will keep them coming if you will keep your correct address in our files, Brother Crowley.

537 Robin Lane
Mesa, Ariz.
January 19, 1950

Dear Brother Howe:

If you would place my name on the mailing list of the Gear, I would appreciate it very much.

Last May I married Joyce Leaird of Hollywood, Calif. and have settled down here in the "Valley of the Sun." I am presently employed by the Bureau of Reclamation and hope enough work comes our way that another change of address won't be necessary for awhile.

Thanking you in advance, I remain,

Yours in H & T,
Richard L. Olbert, Chi '45

Power to you, Brother Olbert!

Room 400, 209 Browder St.
Dallas, Texas

Dear Brother Howe:

I moved to Dallas several years ago and have neglected to bring you up to date on my address.

I am Supervising Engineer for Employers Mutuals of Wansau, Southwest District.

Have a prospective Theta Tau, Paul Fredrick age 3½ and a coed, Karen Lynn age 15 months.

Enjoy reading the Gear very much and you are doing a tremendous job exceedingly well in gathering the news.

In H & T,
D. Marcus Johnson, Zeta '38

Brother Erich Schader is our principal news gatherer, Brother Johnson, so we pass your compliment along to him.

352 E. Hewitt Avenue
Marquette, Michigan
December 29, 1950

Dear Brother Howe:

I have missed the Gear for sometime and it is my own fault.

The new address is 352 E. Hewitt Avenue, Marquette, Michigan.

Trusting that this will return me to your good graces, so that I may again receive your excellent publications, I remain,

Yours in H & T,
James L. Wilson, Beta '34

For those kind words we would like to send you *two* copies, Brother Wilson.

Letters to the Grand Scribe

Headquarters Yokohama Engineer Depot
APO 503, c/o Postmaster
San Francisco, California
January 9, 1950

Dear Erich:

It warmed my heart to get your Christmas greeting and your newsy letter. Thank you very much.

Glad you are in touch with Walter Luplow (Alpha '17). He and I were close together on some knotty problems during the last three years in the Chief's office. I am sure that you would be glad to know that not only the principles of Theta Tau but Alpha Chapter itself were strongly represented there.

I saw Walter Medding (Eta '17) upon his arrival here not long ago. He has been running the depot at Memphis and then the central procurement office in Chicago, both of which were under my wing. He is now with Engineering Corps I, APO 301, c/o Postmaster, San Francisco.

Doc Holman was not only the single brother I found on a recent short trip to Minnesota but the only faculty member I knew. However, my brief visit with him is enough to make up for missing a lot of others.

I have been feeling rather close to Minnesota lately. My son, E. H. Jr., got his B.S. in the College of Agriculture last June and is continuing toward his Ph.D. My son-in-law, in the army, got his M.S. in Mechanical Engineering last month at Minnesota. Bill Merritt, a nephew, made his B.S. in CE last June and his brother, Ed, got his Ph.D. in Chemistry sometime this year. But with all that going on I could not get out of Washington to make my 30th reunion with them!

I have been visiting with two colonels who have just arrived here from the Twin Cities, and in spite of all the radical influences I feel confident that the fundamental character of Minnesota will carry her through.

Mrs. Coe and I are very glad to have this tour of duty in Japan. I believe that there is real hope for these people, but like many others they will have to survive a lot of crooks and crackpots. They need not so much technology as they do honest leaders and public servants, and don't we all?

If my memory has not failed, that idea was a large part of your purpose when you designed our fraternal bond.

In H & T,
Ed H. Coe, Alpha '19

1226 West 6th St.
Waterloo, Iowa

Dear Mr. Schrader:

Shortly after your letter of inquiry last

Fall concerning Paul came to me, it was misplaced. We were unable to answer it until we again located your addressed envelope. We are very sorry that we could not return it in time but will send it now so that you have it if you again might be able to use it.

Paul (Omicron '40) was killed July 15, 1944 in Italy. He was in an abandoned building which was being used as an observation point when it was demolished by a direct hit by an artillery shell. His body has since been permanently placed in an American military cemetery in Florence, Italy.

Before entering the army early in 1941, he had been working in the Foundry Laboratory at the John Deere Tractor Co. in Waterloo, Iowa.

He was married to Phyllis Watkins of Iowa City on April 19, 1941 and they had two children, Jean Marie, who was 16 months old at the time of Paul's death, and Robert Paul, who was six weeks old. Phyllis has since moved with the children and her parents to Oakland, California, and there she married Anthony Kliss. Mother passed away in Iowa City in 1947.

Paul took his basic training at Camp Claiborne, La. and took officer's training at Ft. Belvoir, Va., where he was commissioned a Second Lieutenant in June 1942. He was promoted to 1st Lt. in October 1942 at Ft. Gruber, Okla., and was made a Captain shortly before his death. He was in an engineering division and was on bridge construction.

Yours truly,
Leo Carrigg,
(Paul's brother)

United States Senate
Washington, D. C.
January 18, 1950

Dear Erich:

Thanks so much for your kind letter of congratulations. Appreciated more than I can tell you, your confidence in my ability. The honor is more than I deserve, but I'll do my best to justify the faith that you and other friends have in me.

Being in Washington is an interesting experience. Know there will be many ups and downs and the going will be rough and tough.

Hope you will have an opportunity to get to Washington during my stay here and will look me up. Would appreciate having a visit with you.

With all good wishes, I am,

Yours in H & T,
Harry Darby, Kappa '17

In Memoriam

The Gear regrets having published an obituary for Theodore H. Barrett, Theta '14, in the Fall 1949 issue of the GEAR. Brother Barrett is at the present time teaching at the Michigan School of Mines in Houghton, Michigan.

George Orr Clifford, Eta '22, age 53, died suddenly of a heart attack at the Black Rock Yacht Club, Bridgeport, Conn. on July 22, 1949. He was a native of Evansville, Indiana, and attended Wabash College receiving an A.B. and Phi Beta Kappa in 1919. He graduated from M.I.T. as a mechanical engineer in 1922. In 1923 he entered the employ of the Good-year Tire & Rubber Co. in Akron, Ohio, and in 1928 became vice president of the Evansville Tool Works in Evansville, Indiana. In 1938 he was secretary-treasurer of Fayette Plumb Inc. in Philadelphia, Pa. and in 1940 was works manager of the Arms Division, Remington Arms Co., Ilion, N. Y. and shortly thereafter was made manager of the Technical Division of Remington Arms Co. in Bridgeport, Conn. and held that position at the time of his death. Surviving are his widow, a son, George Jr., and a daughter, Alice. The family home was at 916 Pequot Road, Southport, Connecticut.

Leland Charles Angevine, Zeta '14, age 58, died suddenly of a heart attack on Tuesday, October 11, 1949, while attending a lodge meeting in the Masonic Temple, Fremont, Nebraska. He was born June 5, 1891 in Clyde, Kansas and graduated as a mechanical engineer from the University of Kansas in 1914. From 1914 to 1915 he was with Worley & Block, Consulting Engineers in Kansas City, Mo. From 1915 to 1920 he was with Burns & McDonnell Co. and then moved to Oklahoma City for a few years. Thereafter for 23 years he was superintendent of the water and electrical department of McPherson, Kansas. About four years ago he moved to Nebraska and at the time of his death owned the Soft Water Service in Fremont, Nebraska. In 1916 he was married to Genevieve Walker of Lawrence, Kansas. Surviving are his widow of Fremont, a son, David W. of Kansas City, Mo., a daughter, Mrs. R. B. Drake of Chicago, a sister, Dorothy of Oklahoma City and four grandchildren. Funeral services were held in Fremont at the Congregational Church and Memorial services were held in the Church on October 14.

Harvey Lawrence Garrity, Lambda '24, age 48, general superintendent of operations of the Kennecott Copper Corp. in Utah, died January 11, 1950, in a Salt Lake City hospital

of a cerebral hemorrhage. He had celebrated his 48th birthday the day before his death. He was born in Salt Lake City on January 10, 1902, the son of Patrick H. and Mary Ayres Garrity. He studied civil engineering at the University of Utah and his first work was as a rodman on a survey crew in Alaska for Kennecott. From 1925 to 1929 he was safety engineer for Utah Copper Co., from 1930 to 1933 general track foreman, from 1934 to 1938 he was assistant superintendent of the Bingham and Garfield Ry. at Magma, Utah, from 1939 to 1940 assistant mine superintendent, from 1940 to 1945 superintendent of mines for Utah Copper Co., from 1945 to 1948 was superintendent of mines of all the Kennecott operations in Bingham Canyon, and in 1948 was made general superintendent of all operations in the state of Utah and held that position at the time of his untimely death. On March 17, 1937, he was married to Evelyn Hadley. Surviving are his widow, a son, William, two daughters, Mary and Susan Evelyn, a sister and two brothers. The family home was at 104 State Highway, Copperton, Bingham Canyon, Utah.

William Love West, Jr., Rho '24, a charter member, age 40, died suddenly of a heart attack at his home in Myrtle Beach, South Carolina on September 3, 1940. He was born in Wilmington, North Carolina on August 5, 1900, the son of Mr. and Mrs. W. L. West. After receiving his degree at N. C. State College he went to work for the Duponts and in 1928 was architectural draftsman for L. N. Boney in Wilmington, N. C. Later he moved to Myrtle Beach where he had his own firm. He designed a number of government buildings in Charleston, S. C. and the First Presbyterian Church in Myrtle Beach and a number of churches and other buildings in North Carolina cities. He was active in Masonic work and at the time of his death was Lt. Gov. of the Civitan Club of North and South Carolina. Surviving is his widow, Mrs. Felice Berdotte West of Wilmington, N. C.

Ralph Amos King, Zeta '26, died in Boulder City, Nevada, on October 6, 1949. He was born in Bloomington, Ill., on June 1, 1901, the son of C. A. & Lucy King. He moved to Kincaid, Kans. in 1926 and shortly thereafter went to Clifton, Ariz., as a metallurgical chemist. When the smelter at Clifton was closed he was transferred to the smelter of the United Verde Copper Co. at Clarksdale, Ariz. and was there until about 1946 when

he became a metallurgical chemist at the U. S. Bureau of Mines station in Boulder City, Nevada. In 1947 he became ill with multiple sclerosis and was confined to his bed until the end. Surviving are his widow, who is a teacher in the Boulder City High School, two sons, and his mother. The family home is at 513 Ave. K, Boulder City, Nevada.

John Wilson Fleming, Iota '25, died in Pittsburgh, Pa. on October 22, 1949. He was raised in Indiana, Pa. and graduated as a civil engineer from the Missouri School of Mines in 1925, and then for some years was located in Atalla, Ala. In 1931 he moved to Nashville, Tenn., and in 1940 to Pittsburgh, Pa. At the time of his death he was assistant structural engineer for the Pittsburgh & Lake Erie Ry. The family home was at 2223 Benosonia Ave., Pittsburgh. He was also a member of Tau Beta Pi, and Phi Kappa Phi.

Theodore Burnett Taylor, Jr., Eta '29, was instantly killed on October 17, 1949, by falling or jumping from the 15th floor window of the Chamber of Commerce Building in Boston. He was born July 6, 1905, at Ft. Des Moines, Iowa, the son of Col. and Mrs. T. B. Taylor. He graduated as a civil engineer from M.I.T. in 1929, and entered the employ of the Hathaway Mfg. Co. in New Bedford, Mass. where he remained until 1940. Shortly before his tragic death he was Vibration Engineer for the Fabreeka Products Co. in Boston, Mass. Surviving are his wife and two young children. The family home was at 7 Whittier Road, Needham, Mass.

James Ezra Thoms, Beta '09, died January 26, 1950. After graduation he went to Globe, Arizona where he was engineer with the old Dominion Copper Co. He participated in the meeting of the Southwestern Alumni Association of Theta Tau at Christmas time 1949. In 1911 he returned to Michigan and was with U. S. Gypsum at Three Rivers until 1914 when he became superintendent of the Mineral Point Zinc Co. at Depue, Illinois. In 1923 he left Illinois and was superintendent of the Pratt Mfg. Co. in Coldwater, Michigan, and then for a time with the McKenzie Milling Co. of Quincy. Then he returned to Coldwater in 1939 and joined the staff of the J. I. Case Co. A few years later he became Executive Vice President of the Peerless Machine Co. in Racine, Wisconsin, and held that position at the time of his death. The family home was at 218 17th St., Racine and Mrs. Thoms is living there at this time.

Robert Ray Van Valkenburgh, Beta '13, died October 29, 1949. He came to the Michigan College of Mines from Wenatchee, Wash. and graduated as a mining engineer in 1913. After graduation he went to Alaska

where he was shift-boss of the Perseverance Mine at Thane in the Juneau district for some years. He then joined the staff of the Wharton Steel Co., and later the Empire Steel and Iron Co. in the same town, Wharton, New Jersey. In 1928 he was superintendent of the Replogle Steel Co. in Wharton and shortly thereafter became superintendent of the Globe Union Inc. in Philadelphia and in 1936 Factory Manager which position he held at the time of his death. The family home was in Wynnewood, Pa. where his widow is making her home at this time.

William Arthur Wasley, Gamma '09, died on February 7, 1950. He was born in Greeley, Colorado, and graduated as a metallurgical engineer from the Colorado School of Mines in 1909. Shortly after graduation he went to Miami, Arizona, and was in the mill of the Miami Copper Co. until 1912 when he moved to El Tigre, Sonora, Mexico to become mill foreman of the cyanide plant there. He remained there until operations were suspended and in 1928 was superintendent of the El Favor Mine at La Quemada, Jalisco, Mexico. In 1937 he went to Candelario at Contra Estaca, where he remained several years and in 1943 he was at Cia Minera Santa Maria del Oro in Durango. In 1945 he moved to Cananea, Sonora, to become mill superintendent for Cananea Cons. Copper Co. and held that position at the time of his death. He was highly regarded as a metallurgist and mill operator.

Harvey Hardison, Epsilon '21, died December 8, 1949. He was born in Ventura, Calif. September 15, 1895, the son of Mr. & Mrs. Seth J. Hardison. He entered the University of California with the class of 1918 but did not graduate until 1921 because of army service. He served with the 1st Army AEF in the 12th regiment. He graduated in 1921 and was employed by the Pacific Oil Co. in Coalinga, California, as a petroleum engineer, geologist and scout, and continued with the Standard Oil Co. when it acquired Pacific in 1926. He then joined the California Co. in Colorado City, Texas, in 1928 and established a petroleum engineering division. In 1937 he transferred as chief petroleum engineer to Dallas in 1938, then to Houston in 1939, and then to Midland, Texas, as manager of production and development in the West Texas Division. He served in that capacity until Jan. 1, 1947 when he was appointed manager of joint ventures and remained in that position until the time of his death. He was married to Ruth Oiler of Coalinga, Calif., on September 5, 1925. His wife, son, Harvey R., and daughter, Jane, live in Midland. His father and his father-in-law, Mr. Robert Oiler, were pioneers in the early history of the petroleum industry in California.

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

210 ENGINEERING HALL

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The editorial page is given to Vannevar Bush who challenged the students at M.I.T. with the following ideas. This challenge seems particularly well suited for members of Theta Tau.

Editors

THE ESSENCE OF SECURITY

By VANNEVAR BUSH

You men to whom I speak, as students at M.I.T., are nearly all scientists and engineers, or at least you expect to be. In these capacities, your function will be to understand the physical world, and on that basis to build, to raise standards of living, to further prosperity, and thus to assure the general condition of decency by which cordiality and understanding among nations may be fostered. Engineers and scientists, as you hope to be, are skilled in objective reasoning. In particular, they usually can add two and two, and get four. As an exercise in addition, I would place before you a few important items of recent news. They are digits in a sum, or factors in an equation. As is too often true of these things, they may not at first glance appear to be related.

First, President Truman recently expressed the conviction that the total income of this country, now over 200 billion dollars a year, should be

raised to 300 billion dollars a year. National output normally increases 2 per cent a year because of technical advance; it is now probably increasing 3 per cent a year because of greater reliance on research since World War II. In less than a generation this factor alone can bring about the increase called for. But the President had in mind no such interval; he calls on us to move much faster toward a highly desirable end. While he spoke in terms of dollars, he undoubtedly thought in terms of product and services, of which dollars are merely a measure. It would be possible in a year or two to reach the 300 billion mark by merely voting wide Federal benefits and increased taxes, *thus reaching an output at once of 300 billion dollars worth \$0.40 each*. He had in mind something more real than this.

Second, when the last Congress adjourned it faced a national deficit of six billion dollars. It had in the hopper ready for enactment nine billion dollars more of expenditure for diverse good causes. One bill in process would have furnished Federal aid to the states in the form of architectural services. There were dozens more. The Federal government now supports or subsidizes in one way or another more than a quarter of the population, if one includes those indirectly dependent on

the subsidy. The nine billion would have increased this fraction significantly. Congress adjourned temporarily and will be back in a month.

The next item comes from overseas. England is short of fats. Africa has enormous areas of fertile uncultivated land. The labor government recently spent 20,000,000 pounds to start raising peanuts in Africa and extracting the oil. The governmental agency built docks, roads, schools, hospitals, housing, and acted throughout for the benefit of the employed. *It didn't raise any peanuts to speak of.* It is approaching the end of its funds, and admits it will not raise many peanuts. The House of Commons declines to investigate.

The last item is fresh in your minds. President Truman recently announced that there was an atomic explosion in the heart of the Eurasian continent.

Now are these items connected, and do they mean anything to you personally? Moreover can you do anything about it?

There is a connection among the items I have mentioned. They mean much to you, and to all of us. You can do something about it, and if you are as clearheaded as I think you are, you realize not simply that you can, but that you must. Each of them bears directly on the fundamental question of our times — *the strength of the free democratic system as compared with the strength of the totalitarian system*, and the ability of each system to grow in strength in the years to come. Until such time as reason and good will prevail, and a rational answer to the problem of live and let live in a complex world is established, this comparative estimate will stand as the most important imponderable in the world's vocabulary.

By and large, all questions of policy, national or international, economic or political, immediate or long-range, take on importance and urgency to the degree — and only to the degree — that they bear on this basic issue.

Russia is a closely controlled dictatorship, a *police state*, with full ultimate management of the details of the life of every citizen. It can hold, and has held, the standard of living down to a small fraction of ours, denying its people the simple comforts of existence, in order to focus effort on guns and atoms. In the long run a totalitarian state cannot compete with a free people in the advancement of science, for dictation and dogma are contrary to the free spirit of inquiry, which is the heart's blood of scientific advance. But, in the short run, it can produce what it wishes to produce, and ignore the sufferings of its people, up to a limit, and that limit is high. It can produce an atom bomb, and has done so. In time, how much time is arguable and important, it can produce a stock of atomic bombs.

The atomic bomb does not stand alone. It is not an absolute weapon. It is part of a vast and intricate armament, and much of the nature of that armament was spread out for all the world to see in World War II, and is known to many technicians in Russia as elsewhere. Russia can build fleets of bombers, jet aircraft for defense, radar networks, as well as guided missiles.

But can it build all these at once, in ample quantities, in reliable form, operated by well-trained men of initiative and resourcefulness? The answer to this question depends upon what one believes the Russian economic system can stand without collapse. But, whatever the estimate, there is no doubt that Russia can build, and

is building, a formidable military machine. Whether it does so from genuine fear of attack, or in a dream of conquest, is beside the question; we face the fact that, barring an improbable early internal collapse, such armament will appear in the hands of an absolute closely knit central governing group of men who distrust us *and would destroy us if opportunity offered.*

We can meet that threat if we are strong. We can in fact meet it without war, for those in the Kremlin recognize strength if they recognize nothing else. The fact that we can meet it was recently proved when this country, bringing to bear on grim business the resourcefulness and initiative nurtured in freedom, armed its allies and joined with them to strike down the Nazi might.

But we cannot meet it if we turn this country into a wisby-wasby imitation of totalitarianism, where every man's hand is out for pabulum, and virile creativeness has given place to the patronizing favor of swollen bureaucracy. Dictatorships can compete with dictatorships, and free virile democracy can outpace any such in the long pull. But a people bent on a soft security, surrendering their birth-right of individual self-reliance for favors, voting themselves into Eden from a supposedly inexhaustible public purse, supporting everyone by soaking a fast disappearing rich, scrambling for subsidy, learning the arts of political logrolling and forgetting the rugged virtues of the pioneer, will not measure up to competition with a tough dictatorship. If we go all the way down the path to dependence and render ourselves a people fawning for handouts on an intriguing bureaucracy, Russia can cease its building of

war machines. It will conquer the world without them.

Now I am no pessimist. I believe in the democratic system, and I believe in the sound common sense of the American people. Moreover, I believe thoroughly that we have the wit to recognize a dangerous trend, reverse it before it is too late, and laugh at sirens with crack-brained economic theories who would guide us down an easy path over a precipice. I believe also that the past generation, with a rise in the power of the common voter, and an increase also in his perception and grasp of public affairs, has brought with it highly salutary progress toward protection of the small man against the hazards of nature or of his grasping neighbor. We live in a better world because of awakened public consciousness of its power and its possibilities. We have done much for the underprivileged and more for the laborer at the bench, and it is well. But we can outpace ourselves, attempt too much, and wreck the industry on which all material progress depends. Still I believe the American people are too tough minded to pursue a will-o'-the-wisp over a cliff. I know they can add, and I do not believe they are fooled by stories of magic wands or of inexhaustible treasures. If I am wrong, we are in for disaster.

But my main point today is to ask what you men propose to do about it. Some of you will differ with my point of view quite completely, but no matter. I ask what you propose to do about your own theory of the dilemma and its solution. Unless you take the naïve point of view that the building of a powerful military machine overseas is no concern of ours (and that delightful fiction seems to have disappeared even from the ranks

of the isolationists) there is something to be done. Unless you take the equally naïve point of view that this is an affair for our own military men and no concern of the private citizen, you have a problem squarely on your doorstep. Moreover it is peculiarly yours — for the strength of this country means more than arms and services, it involves the entire strength and prosperity of the country, which is a matter directly in your area. The question is whether you will be content to build in a technical sense, and let someone else worry about the larger problems.

Some of you, unhappily, will spend your time and effort exclusively in passing technical courses, and thoroughly shun those dealing with man's relation to man. You will not pay the slightest attention to the political maelstrom about you, and look down on those who take an interest in politics, or who have the hardihood actually to practice it. You will regard such things as history, economics, mass psychology, foreign relations, as soft generalizations, not worthy of the steel of the man who can manipulate a Fourier integral. Or at the other extreme some will browse in generalities and amuse yourselves with vague non-rigorous speculations and know nothing of a Fourier integral whatever. You will read the newspapers and the current magazines — for relaxation. When you graduate, with the M.I.T. accolade, you will seek out a post that pays a salary and affords the maximum of security, where promotion is sure and slow, and where no one ever got fired who didn't criticize the management unduly. I am not talking to the small fraction who will thus dodge the issue.

I am talking to those who will be

men of influence, now and from here out, who have a feeling for the game, and a will to live something besides the life of the oyster. I speak to those who are neither terrified by life, nor lured into wishful thinking regarding a millennium. There are many such among you, as the history of this institution has proved, who would grapple with a tough world, and learn the subtle arts of doing so well. There are many among you who are men of influence today, and who are preparing to be men of great influence tomorrow among your fellows, because of your grasp, your courage, your mental power, and your integrity.

There is an unfortunate tendency in this country to separate the great and small issues; to take the point of view that the large ones are determined in Congress and the Executive Establishment and that they are no direct concern of the individual citizen, pursuing his ordinary affairs within close horizons. Nothing could be further from the truth. The characteristics of the Federal government, the dignity or lack of it with which we conduct our affairs, internally and in the complex relations between nations, the selflessness, or its opposite, of our governors throughout our far-flung government machine, are but the reflection of the character of the people. As the people think, as they demand effectiveness or tolerate demagoguery, so will our status as a nation evolve. The smallest act of a citizen, influencing his friends and neighbors toward sanity and far-reaching wisdom, multiplied a million times throughout the breadth of this land, can determine that the country as a whole will rise in its dignity and strength to live in prosperity and peace, and not succumb in a welter of petty selfishness and

confusion. This is the essence of security.

You men, with the enormous privilege of higher training, in an institution of world renown, and thousands like you throughout this country, you men of influence in the coming generation, will determine where we come out. You will specify, you men who accept the challenge of life, whether we make of this free country of ours a country that grows in freedom and strength, and whether in that strength it will lead the world

out of a morass. No one of you will determine it all, or even a great part of it, for the world is large and complex and the efforts of no single man reach far unless he be singularly favored by chance and endowment. But each of you who wishes will shift the trends a bit, and is shifting them now; and together, you of youth who inherit the world, you will determine the outcome. I shall probably not be around to witness the full result, but I wish you luck.

The Technology Review

Convention sessions must be carefully reported and this requires a high order of competence. Sessions are both open and closed and only Theta Taus may be admitted to the latter. This eliminates the usual stenographer. Furthermore, the work done by public stenographers has not been satisfactory, largely due to lack of familiarity with Fraternity procedure.

It has been suggested that we use someone of our own people who can do the job, paying their expenses as compensation. What do you think of the idea and do you know anyone who is qualified and willing? The Editor or the Grand Scribe should be contacted by interested parties. It's just an idea but is worth thinking about.

"What did you name your baby, Mose?" a friend inquired of a proud father.

"Electricity," said Mose.

"Queer name," said the friend, "why did you name him that?"

"Well, mah name is Mose and mah wife's name is Dinah, and if Dynamos don't make electricity, what does they make?"

* * *

Bride — "I think we should open a new bank account."

Hubby — "Why?"

Bride — "Our old one doesn't have any more money in it."

—*Humor*

A fanatic is one who can't change his opinion and won't change the subject.

—*Philadelphia Inquirer*

* * *

Father — "Get up, Junior. Do you know what Abraham Lincoln was doing when he was your age?"

Son — "No. But I know what he was doing when he was your age."

—*Illinois Wesleyan Argus*

* * *

"Dad, what has six legs, a brown head and a body with green and black spots?"

"I give up son. What?"

"I don't know either, dad, but it's crawling down your neck."

—*Pacific Telephone Magazine*

Additions to Membership

ALPHA

- 573 Richard Donald Wood, Minneapolis, Minn.
 574 Maurice William Angvall, Amboy, Minn.
 575 Calvin David Loyd, Fergus Falls, Minn.
 576 Roland Louis Lippert, Olivia, Minn.
 577 James Willis Wilson, Rushmore, Minn.
 578 Neil George Fredrickson, Shevlin, Minn.
 579 George Richard Gaspard, Minneapolis, Minn.
 580 Herbert John Mieras, Dodge Center, Minn.
 581 Carlyle Roland Gordon, Rochester, Minn.
 582 Fredrick Hugo Naumann, New Ulm, Minn.

BETA

- 661 Albert James Whalen, Flint, Mich.
 662 William Elgin Brunson, Sault Ste. Marie, Mich.
 663 Robert Harvey Schaffer, Detroit, Mich.
 664 Toivo Melvin Maki, Ishpeming, Mich.
 665 Wright Chapin Sheldon, Fulton, N. Y.

GAMMA

- 720 John Ralph Anderson, Colton, Calif.
 721 Donald George Ashe, Naco, Ariz.
 722 Richard Bench, Glendale, Calif.
 723 Stephen Joseph Booth, Jr., Santa Barbara, Calif.
 724 Douglas Edward Brown, Iron River, Mich.
 725 Francis Victor Daly, Larchmont, N. Y.
 726 Paul Arthur Hodges, Boston, Mass.
 727 John Jay Naugle, Jr., New York, N. Y.
 728 Spencer Rowe Titley, Denver, Colo.

DELTA

- 735 Eugene Bahniuk, Parma Heights, Ohio
 736 Charles Michael Bednar, Cleveland, Ohio
 737 Hugo Heinz Borneman, Cleveland, Ohio
 738 Douglas Grove Brown, Ravenna, Ohio
 739 David John Cook, Cleveland, Ohio
 740 Willard Pomeroy Frissell, Euclid, Ohio
 741 Ivan Stanley Ganyard, Bay Village, Ohio
 742 Walter Brian Henry, Cleveland, Ohio
 743 Chester Thomas Kermode, Cleveland Heights, Ohio
 744 William Barrett Krill, Cleveland, Ohio
 745 Joseph Bert Murdoch, Cleveland Heights, Ohio
 746 Lawrence Charles Papp, Cleveland Heights, Ohio
 747 Donald Lee Peterson, Chagrin Falls, Ohio
 748 David Harry Rush, University Heights, Ohio
 749 Patsy Alloysius Santoli, Cleveland, Ohio
 750 Eugene Francis Skerl, Euclid, Ohio
 751 Richard Byrd Smith, Canton, Ohio
 752 Andrew Garland Stanley, Detroit, Mich.
 753 Robert Eugene Vogel, Mansfield, Ohio
 754 William Edward Zoller, Euclid, Ohio

EPSILON

- 657 Barry Walter Koch, Bollmington, Calif.
 658 Myron Rhodes Elliott, Los Angeles, Calif.
 659 John Errol Clare, Berkeley, Calif.
 660 John Kenneth Jones, Madera, Calif.
 661 John Brent Farr, Santa Monica, Calif.
 662 Daniel Ross Camenson, Mountain Lakes, N. J.
 663 Ernest Henry Ahrens, Jr., Vallejo, Calif.
 664 Douglas Vaney MacIver, Bishop, Calif.
 665 Theodore Downs, Berkeley, Calif.
 666 Cole Railston McClure, Jr., Palo Alto, Calif.
 667 Frank Hale Kilmr, Florence, Oregon
 668 William Frank Betzler, Calumet, Minn.
 669 Leo John Herrera, Jr., Alameda, Calif.
 670 Will Carleton Griffin, Jr., San Gabriel, Calif.
 671 Willis Layton Pratt, Visalia, Calif.
 672 John Harold Dayvault, Santa Cruz, Calif.
 673 William Frank Balaz, Chicago, Ill.
 674 Garry Brandwood Dakin, Berkeley, Calif.
 675 Eugene Louis Kessler, Corona, Calif.
 676 Lloyd Frank Thompson, Chino, Calif.

ZETA

- 525 Marion Welch Scholes, Council Grove, Kans.
 526 Thomas William Oliver, Topeka, Kans.
 527 Keith C. Smith, Canton, Kans.
 528 Elmer Lloyd Dougherty, Jr., Darrance, Kans.
 529 Julius Darigo, Scammon, Kans.
 530 Frank Lawrence Lindemuth, Topeka, Kans.
 531 Harry Milor Childers, Lawrence, Kans.
 532 Ellis J. Allison, Salina, Kans.

THETA

- 467 Edwin Henry Arnaud, Jr., Westwood, N. J.
 468 Aldo Bendazzi, New York City
 469 Edward Gladstone Clarke, Hackensack, N. J.
 470 William Gerbrian, Bayonne, N. Y.
 471 Norman James Glover, Brooklyn, N. Y.
 472 Edwin Halpern, New York City
 473 Bob Parker Helgeson, S. Ozone Park, N. Y.
 474 William Francis Heneghan, Long Island, N. Y.
 475 Richard Hillen Hunter, New Rochelle, N. Y.
 476 Theodore Corydon Johnson, Freeport, N. Y.
 477 Henry Francis Kienzie, Rego Park, N. Y.
 478 Edwin John Lemanski, Bridgeport, Conn.

- 479 Joseph Reid McCormick, New York City
 480 George Albert Read, Queens Village, N. Y.
 481 William Francis Schene, Bronx, N. Y.
 482 Robert Andrew Schmittberger, Brooklyn, N. Y.
 483 John Maurice West, Wanamassa, N. J.
 IOTA
 613 Wilbert Keith Theerman, Rolla, Mo.
 614 John Charles Theiss, St. Louis, Mo.
 615 Harry Eugene Kennedy, Jr., St. Louis, Mo.
 616 Joe Robert Powell, Eldon, Mo.
 617 David States Gould, Alton, Ill.
 618 Gerald Carl Shelton, Bolivar, Mo.
 619 Samuel Shaw, III, Whitinsville, Mass.
 620 Charles Lester Friedmann, New York, N. Y.
 621 Robert Clarence Slankard, Flint, Mich.
 622 William Richard Jones, St. Louis, Ill.
 LAMBDA
 621 Ronald Clarence Starkey, Salt Lake City, Utah
 622 Clarence Chandler Gerrard, Salt Lake City, Utah
 623 Charles William Mays, Jr., Fort Douglas, Utah
 624 Robert Maugham Burbank, Salt Lake City, Utah
 625 Adrien Francis Reynolds, Salt Lake City, Utah
 MU
 508 John DeEttus Allen, Anniston, Ala.
 509 Charles Jack Archer, Huntsville, Ala.
 510 Christy Carroll Bailey, Jr. Mobile, Ala.
 511 Donald Carter Bailey, Laurel, Miss.
 512 Harold Lee Baker, Birmingham, Ala.
 513 James Benton Carr, Birmingham, Ala.
 514 William Herman Carter, Troy, Ala.
 515 Charles Edwin Dickson, Middlesboro, Ky.
 516 Henry Perry Fell, Birmingham, Ala.
 517 Richard Dana Gaynor, Spring Hill, Ala.
 518 Kendall Arthur Gustafson, Pittsfield, Mass.
 519 Henry Hoyt Harris, Birmingham, Ala.
 520 Joseph Edward Harris, Alexander City, Ala.
 521 Arlice Theo Henry, Birmingham, Ala.
 522 Robert Kelgor Johnson, Tuscaloosa, Ala.
 523 Arthur John Karanian, New Britain, Conn.
 524 Mack Ollie Matthews, Mobile, Ala.
 525 Francis Joseph McCabe, Penllyn, Pa.
 526 Norman Francis McLeod, Tuscaloosa, Ala.
 527 Ewell Meadows, Jr., Mobile, Ala.
 528 Robert Wan Milner, Jr., Huntsville, Ala.
 529 Emory Williams Morris, Elkins, W. Va.
 530 James Russell Morrow, Bessemer, Ala.
 531 William Dru Murphree, Decatur, Ala.
 532 Anthony Joseph Neimeczak, Croydon, Pa.
 533 Jack Richard Pollard, Roanoke, Va.
 534 Julian Joseph Samuels, Goodwater, Ala.
 535 Samuel Arnold Schwartz, Laurel, Miss.
 536 James Coleman Spinks, Thomasville, Ala.
 537 Robert Herrington Sweat, Birmingham, Ala.
 538 Thomas Jackson Terrell, Prentiss, Miss.
 539 Howard Edward Thomas, Anniston, Ala.
 540 David Gwin Whitney, Tuscaloosa, Ala.
 541 Albue Vann York, Demopolis, Ala.
 542 Lincoln McKeiver Young, Hamilton, Ala.
 XI
 111 Donald John Cier, Mauston, Wis.
 112 Richard John Hellen, Milwaukee, Wis.
 113 Robert Edward Macherey, Milwaukee Wis.
 114 John H. Wegner, Chippewa Falls, Wis.
 115 Ned Wilde, Madison, Wis.
 PI
 416 Richard John Bertotti, Penns Grove, N. J.
 417 Beverly Sydnor Mauck, Richmond, Va.
 418 Ivan Thomas Burney, Richmond, Va.
 419 Robert Adams Brown, Scarsdale, N. Y.
 420 Jens Frederick Louv, Jr., Philadelphia, Pa.
 421 Walter Harrison Rogers, Jr., Hampton, Va.
 422 Richard Kniffen Fox, Greenwood, Va.
 423 John Thomas Smith, Virginia Beach, Va.
 424 David Rowe Brown, Jr., Fredericksburg, Va.
 425 Thomas James Hudak, Bayonne, N. J.
 426 Edward Lee Ivy, Jr., Rio de Janeiro, Brazil
 427 Thomas Archer Smith, Appomattox, Va.
 428 Robert Tilton Shelburne, Charlottesville, Va.
 429 Gilmer Cabel Brown, Tonawanda, N. Y.
 430 Michael Condit Fox, Arlington, Va.
 431 Frank Richard Batty, Charlottesville, Va.
 432 George Pike McCasland, Charlottesville, Va.
 433 Freeman McMillan Wade, Charlottesville, Va.
 434 Wayne Thomas Marshall, Charlottesville, Va.
 435 Richard Willard Underwood, Richmond, Va.
 436 James Joseph Slater, Valley Stream, N. Y.
 437 Charles Kerr III, Pittsburgh, Pa.
 RHO
 427 William Shaw Corbitt, Henderson, N. C.
 428 William Lynch Davis, Mt. Olive, N. C.
 429 Arthur Garrett Johnson, Jr., Greensboro, N. C.
 430 Ralph Norman Jones, Franklinville, N. C.
 431 Charles Aycock LeGrand, Hamlet, N. C.
 432 Glenn William Putnam, Jr., Orangeburg, S. C.
 433 Charlie Brown Smith, Jr., Albemarle, N. C.

- 434 Lewis Eric Tolan, Belhaven, N. C.
 435 Arnold Prescott White, Jr., Charlotte, N. C.

SIGMA

- 328 James Edward Arnold, Lorain, Ohio
 329 Lewis Milton Cowden, Columbus Grove, Ohio
 330 Ronald Everett Fish, Binghamton, N. Y.
 331 Earl Thomas Healy, Jr., Conneaut, Ohio
 332 Harold Dudley Jorgensen, Lakewood, Ohio
 333 Charles Henry Klimowicz, Youngstown, Ohio
 334 Glenn Gladstone McCoy, Circleville, Ohio
 335 Richard Owen Prior, Columbus, Ohio
 336 Floyd Bernard Salles, Columbus, Ohio
 337 William Herman Schneider, Columbus 12, Ohio
 338 Robert Forrest Sparrow, Cadiz, Ohio
 339 Earl Franklin Wollam, E. Liverpool, Ohio
 340 Charles Henry Grossman, Euclid, Ohio
 341 William Charles Grossman, Euclid, Ohio
 342 Leroy Paul Huelskamp, Ft. Recovery, Ohio
 343 Ervin John Minderman, Fort Clinton, Ohio
 344 Edward Bryant Read, Pasadena, Calif.
 345 Vernon Anthony Bybski, Chicago, Ill.
 346 Donald Lee Spurling, Franklin, Ohio
 347 David Arthur Strang, Girard, Ohio

TAU

- 482 Stanley Stephan Szelwach, Utica, N. Y.
 483 Vito Louis Carbonaro, Brooklyn, N. Y.
 484 George Dewey Sporer, Iliou, N. Y.
 485 David Arthur Winer, Spring Valley, N. Y.
 486 Thomas Charles Kelley, Roselle Park, N. J.
 487 Richard Emery Gray, Syracuse, N. Y.
 488 Robert Henry Menz, Springfield, Mass.
 489 Louis August Wilhelm Enders, Morris, N. Y.
 490 Joseph Edward Paulick, Jr., Syracuse, N. Y.
 491 Gerald John Brown, Syracuse, N. Y.
 492 Thomas James Ganatsiou, Bridgeport, Conn.
 493 William Donald Shields, Ottawa, Canada
 494 Alfred Rapp Graham, Middletown, N. Y.
 495 Manuel Chausovsky, Passaic, N. J.
 496 Robert Earl Bolton, Ottawa, Ontario, Canada
 497 Earl Walton Barrett, Jr., Elmira, N. Y.
 498 Karl Solomon, Brooklyn, N. Y.

UPSILON

- 337 Hugh Donald Boling, Pine Bluff, Ark.
 338 John Ellis Elslander, Driver, Ark.
 339 Laurence Hosea Lambert, Pollard, Ark.
 340 Chester Dolphin McKeon, Jr., Prairie

Grove, Ark.

- 341 Joe Lee McKinstry, Wilmar, Ark.
 342 David Edwin Mouser, Humphrey, Ark.
 343 Lloyd George Porter, Blytheville, Ark.
 344 Kenneth Wade Rippy, Sheridan, Ark.
 345 Benjamin Eugene Smith, Jr., Little Rock, Ark.
 346 Emil Shelton Soret, Bauxite, Ark.
 347 Luther Thomas Spears, Jr., Texarkana, Ark.
 348 William Finley Williams, Little Rock, Ark.
 349 Hal Richard Thompson, Blytheville, Ark.
 350 Reagan Edwin Bowman, Elmhurst, Ill.

PHI

- 266 William Ferris Bell, Jr., Western Springs, Ill.
 267 James Thomas Corle, Dunkirk, Ind.
 268 Earl Louis Cottrell, Indianapolis, Ind.
 269 John Burns Lidstone, New York, N. Y.
 270 David Brian Nelson, Elgin, Ill.
 271 Robert Jarvis Rhinehart, Pine Bluff, Ark.
 272 Charles Herbert Treat, Parkersburg, W. Va.
 273 James Arthur Wiese, Indianapolis, Ind.

CHI

- 359 James Dayne Farmer, Tucson, Ariz.
 360 John Fleming Hintz, Tucson, Ariz.
 361 Carl Waldemar Appelin, McNeal, Ariz.
 362 Theodore Fredric Cocks, Monenci, Ariz.
 363 Fred Richard Sargent, Tucson, Ariz.
 364 William Alan McKinney, Columbia, Mo.
 365 Frederick Dayton Kemmeries, Tucson, Ariz.
 366 John Steve Tsaguris, Tucson, Ariz.
 367 Rubert Burley Streets, Jr., Tucson, Ariz.
 368 Jules K. Ellingboe, Tucson, Ariz.
 369 Alexander Oswald Brodie, Jr., Port Washington, N. Y.
 370 William Porter Kohl, Tucson, Ariz.

PSI

- 284 Alvin Maddison Hanson, Butte, Mont.

OMEGA

- 332 Stephen John Barich, Lead, S. Dak.
 333 Kenneth LeRoy Berg, Newell, S. Dak.
 334 Ivan Lewis Boe, Newell, S. Dak.
 335 Harold Wayne Brown, Farley, Iowa
 336 Dennis Eugene Drayer, Frankfort, S. Dak.
 337 Fred Junior Gerdes, Aberdeen, S. Dak.
 338 Edwin Arthur Hintz, Max, N. Dak.
 339 Leonard LeRoy Howard, Ipswich, S. Dak.
 340 Dale Meloin Johnson, Rapid City, S. Dak.
 341 Gerard Francis Mader, Sioux Falls, S. Dak.
 342 Robert Perry May, Mobridge, S. Dak.
 343 Fred Russell Peterson, DeSmet, S. Dak.

344 Gerald Eugene Peterson, Aberdeen, S.

Dak.

345 David Claude Ridinger, Onida, S. Dak.

346 Lennis Fred Shafrank, Forestburg, S.

Dak.

347 Dale Sigurd Strand, Ipswich, S. Dak.

348 Donald Kay Turner, Watertown, S. Dak.

349 Oral Ralph Van Buskirk, Scotland, S.

Dak.

DELTA BETA

222 Richard Thomas Ernst, Louisville, Ky.

223 Fontaine Theodore Kremer, Jr., Louisville, Ky.

224 Edwin David Finch, Louisville, Ky.

225 Edwin Richard Clark, Jr., Louisville, Ky.

226 Homer Clifford Neely, Jr., Louisville, Ky.

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Iowa City, Iowa

Letters from the Chapters

Alpha Active In Intramurals



Alpha Chapter extends fraternal greetings to all brothers of Theta Tau and a warm welcome to any who may have the opportunity to visit Minneapolis.

The closing of the winter quarter along with cramming for finals

brought the election of new officers. On March 6 John Stolpestad was chosen as Regent; Paul Slight, Vice Regent; Maurice Angvall, Scribe; John Mieras, Treasurer; Julio Cordero, Historian; Chuck Talle, House Manager; and Carl Gordon, Corresponding Secretary.

Alpha Chapter has been active the past quarter in campus affairs and very well represented in the honor fraternities. Members of Tau Beta Pi are Ed Mantel and Chuck Overby. Chuck is also Secretary of Pi Tau Sigma. Jim Wilson is a member of Eta Kappa Nu and Paul Slight is a member of Chi Epsilon. Dick Moehrle and Fred Naumann are members of the Tech Commission and Bob Hanson is on the Technology Board. Dick Wood is the feature editor of the *Technology* and is also serving very capably as this year's chairman of Engineer's Day. Alpha Chapter is playing a leading role in the planning of Engineer's Day with five more men helping Dick by acting as committee chairman and as members of the executive council. A number of men have been spending enjoyable hours among the sororities attempting to pick a Theta Tau Queen for Engineer's Day. Alpha Chapter is also planning to enter the Campus Carnival, the Campus Chest's yearly benefit show.

A new trophy was added to the house when skiers Bob Wunderlich, Gary Witt and Chuck Claypool won the intramural jumping and cross country meet. The basketball team had better luck this year, even though it didn't win a trophy, with Center Bud Angvall receiving honorable mention in the all "U" team. The bowlers got off to a slow start with a perfect winning average of zero the first three nights, but improved as the quarter went along. They expect to do better during the spring quarter now that the team has been whipped into shape.

On the social side Alpha Chapter celebrated the last fall quarter finals by a dinner-dance at the swank Riveredge on the beautiful Apple River on December 16. Dinner and dancing were accompanied by soft organ music. Presents were exchanged and mistletoe was hung.

It was reported to have been the best party of the year. The mistletoe evidently worked its spell as Brother Gary Witt walked down



Alpha's Christmas Party

the aisle on December 17 with his new bride on his arm.

On New Year's eve several actives attended a party at the "Gay Nineties Saloon" basement of Herm Seibert's, Alpha '47, new home.

An initiation banquet was held January 15 at the Riviera Room of the Dykman Hotel honoring our new actives, Maurice Angvall, Roland Lippert, John Mieras, Dick Wood, Niel Fredrickson, George Gospard, Fred Naumann, Calvin Loyd, Jim Wilson, and Carl Gordon. The addition of the new actives brought the chapter membership up to 30. On April 10 the initiation banquet for the present pledges will be held. Pledging this quarter are Bob Lofgren, Al Kovalchuk, Roy Mattson, Earl Schulz, Bob Meyer, and Walt Wychor.

On February 24 active pledges of Alpha Chapter attended the Interprofessional Ball held at the Radisson Hotel.

On April 1 Theta Tau joins with Triangle and Kappa Eta Kappa in the Tri-Tech Ball to be held at the Spanish Room of the Lowry Hotel.

During Christmas vacation the chapter house was redecorated upstairs under the leadership of house manager Russ Svieven. This included the sanding of floors, building of new lockers, painting and the construction of separate study and sleeping rooms.

Walt Mansen, Glenn Swartz, and Con Appledorn are the newest additions to the alumni of Alpha Chapter. Walt and Glenn received their degrees in E.E. and Con received his in geology.

Yours in H & T,
Carl Gordon, Corres. Sec.

Beta Has Active Winter



With the coming of spring, Beta Chapter looks back upon a very active winter term. Michigan Tech held its annual Winter Carnival in February and we found ourselves in the thick of review, stage skits, and snow statues, highlighted by an impressive Snow Ball Formal with music by two name bands. We threw our annual Cocktail Party before the Snow Ball and as usual it was a great success.

With one exception our chapter officers are the same now as they were last fall. They are Regent, Joe Post; Vice Regent, Tom Besemer; Treasurer, Herman Zanoni; Scribe, Bib McMaster; and Steward, Don Hall. Bob McMaster was recently elected Scribe replacing Ken Kueny who will graduate March 17, 1950. Ken was our Scribe for the past two years and did a magnificent job. Professor L. F. Duggan is our chapter adviser.

At the present time we have 52 actives and 3 pledges. With 26 men graduating in June, we have our hands full as far as pledging is concerned. However, we have a fine group of pledges with many others being considered, so we are quite confident of having an excellent bunch of fellows at the house next year.

So far this year we have had three initiations bringing 13 new members into Beta chapter. These men are D. Payant, F. Warren, D. Davison, R. Hostetter, J. Whalen, W. Brunsdon, R. Schaffer, T. Maki, W. Sheldon, R. Sernka, R. Grant, N. McRoberts, and D. Canonico.

Beta Chapter still maintains its high scholastic record and is also active in campus activities with a fair representation in the Honor Societies.

In closing we extend fraternal greetings to all other chapters and all members of Theta Tau.

Yours in H & T,
David B. Sleeman, Corres. Sec.



Beta Stage Skit

Gamma Pledges Athletics

GOLDEN
COLORADO

Fraternal greetings and best wishes are extended to all Theta Taus from Gamma Chapter.

Spring elections have been held and the following men were put into office: Joe Hill, Regent;

Paul Hodges, Vice Regent; Spence Titley, Treasurer; and Bob Einarsen, Scribe.

Our chapter, at the present, has 30 actives with 19 of them being seniors. Counterbalancing the outgoing seniors, we have 15 pledges coming in; of which 3 are juniors and

12 are sophomores. These pledges ably represent us in Mines sports with Herb Torpey, John Conners, Ed Hunter, Don Adams, Dave Brown, Drexel Lee, Wally McGregor, Bob Pozzo, and Ed Ziolkowski lettering in football. John Lockridge and Doug Waterman lettered in basketball with Doug being chosen for the second team of the All Rocky Mountain Conference. Stew Chuber, Bill Watts, and Bob Wilson fought for the Mines boxing team; while Bob's twin brother Dave Wilson grappled for the mat team.

One of the social highlights of the year was the annual Theta Tau dance. It was held

in February at the Albany Hotel in Denver and was very well attended.

Plans are now being made for handling the rock drilling contest which comes as part of the activities of Engineers Day.

We are playing our campus rivals, the "Sig Gams," in a basketball game soon for the traditional keg of beer. This will not be much

of a contest as they haven't beaten us in anything for years.

Gamma Chapter again extends best wishes to all brothers and looks forward to news of the other chapters.

Yours in H & T,

George King, Corres. Sec.

Delta Host To 400 High School Visitors



Delta Chapter sends its fraternal greetings to all the good brothers in Theta Tau. The spring semester here at Case Institute of Technology will see Delta Chapter more active on the campus than it has ever been before. Under the guidance of faculty adviser, Professor L. J. Reardon, and the dynamic leadership of Regent Ken Melick, three measures have been made possible. Working with Ken are the other officers of the fraternity: Vice Regent, John Webb; Treasurer, Gene Skerl; Scribe, Don Peterson; Inner Guard, Jean Revelt; Outer Guard, Jack Sharer; and Corresponding Secretary, Bob Vogel.

With the recent graduation of ten of our brothers, the chapter strength has been reduced to 45 members. However, to fill this gap, bids have been extended to fifteen juniors. Brother Ronni Paolucci will be the pledge-master. With the graduation of the present senior class, the chapter strength will consist of 27 men. This will leave thirteen openings yet in the junior class to elect members next fall along with the present sophomore class.

The chapter's major activity for the spring semester will be in acting as hosts to an estimated 400 high school visitors which have been invited to tour the campus on four different dates of the semester. This is in line with a program at Case which is aimed at raising the calibre of the incoming students. A central committee headed by Brother John

Webb has arranged a program for the visitors designed to keep them busy and interested the entire day. It will consist of talks, tours, and bull sessions. Other organizations are assigned to this committee to help carry the load of this ambitious program.

The sponsorship of all-school assemblies by Delta Chapter is still being carried on. This semester our president, Dr. Glennan, gave an interesting talk on the organization and financial operation of the school and what part the students' tuition cost plays in meeting our expense.

Other activities taken up by the chapter are the ushering at graduation exercises, the participation in Case Open House, May 5, and trips to the Cleveland Health Museum for sex lectures. The latter is the responsibility of Brother Tom Schuerger.

A joint Theta Tau-Blue Key beer party was held after finals before the January graduates left. Brothers Ken Melick and Ted Buell were chairmen of the all-honorary dance held March 11. It added the right flavor to a week of studies. The new social chairman this semester is Brother Walt Rayher.

Brother Clint Mehreny received the Theta Tau Award. A member of the Civil Engineering Department, in which he ranked first in his class, he was active in basketball and is a member of Blue Key and Tau Beta Pi.

That's the latest word from Delta Chapter. We wish the best of luck to all our brothers who will graduate this June.

Yours in H & T,

Bob Vogel, Corres. Sec.

Epsilon Working on New Pledging Program



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

The elections of Fall '49 placed Scott Creely as Regent, George Peppardine as Scribe and Frank Kilmer as Corre-

ponding Secretary.

The fall semester saw Epsilon Chapter increased by 20 new members bringing the

present total of actives to 47. The pledging program was highlighted by a picnic held at Lake Temescal, followed by dancing at the Bachelordom House. The formal initiation and banquet were in keeping with the high standards of Epsilon. Dr. Perry Byerly adroitly presided over the banquet and was ably assisted by six of the new members who "volunteered" to address the banquet on appropriate scientific subjects.

Professor Wisser remains as our Chapter Adviser in the absence of Dr. Howel Williams

who is still on his sabbatical in Central America. Dr. Williams is continuing his study of the volcanics of this region and has visited Mexico, Nicaragua, Costa Rico and El Salvador in recent months.

Epsilon Chapter is tentatively considering a new pledging program which will allow the members and pledges to become better acquainted. Since we do not possess a fraternity house the need for better understanding among the pledges and members is very important. Arnold Brown is chairman of the new program.

This spring, a smoker held at the Theta Chi house, March 10, started off the new pledging

and Lou Briggs, both geology majors, on successfully passing their orals recently. Jim's thesis will be concerned with High Sierra geology between Mono Lake and Tioga Pass. Lou will study a stratigraphic sedimentary problem near Los Banos in the north-west San Joaquin Valley. Jack Evernden, geophysics major, also passed his oral examination and deserves a hearty congratulation from all of us. Jack is working on types and characteristics of the surface waves of the earth.

Epsilon is also happy to welcome back to Cal. W. L. de Carbonel, Epsilon '29, who, this semester, has taken a position with the Paleontology Department as lecturer in strati-



Epsilon Chapter

program. Professor Wisser delivered a very interesting and highly informative talk regarding his early experiences in the mining industry.

In addition to his teaching duties at Cal, Professor Wisser attended the American Mining Congress in Spokane, Sept. '49 and the A.I.M.E. convention in New York, Feb. 50, delivering papers on mining geology. He served as moderator on the Geophysics panel of the latter meeting.

Congratulations are in order for Jim Dunn graphy. Since leaving Cal. Bill has worked in

both petroleum and mining geology in all parts of the world and his experiences should prove invaluable to us of Epsilon. During the war he served as an officer with the U.S. Army in the Philippines and although officially declared missing in action continued to fight with Filipino guerillas. In 1944 he and his family escaped to Australia by submarine and eventually returned to the United States. Mighty glad to have you back, Bill.

Yours in H & T,

F. H. Kilmer, Corres. Sec.

Zeta Entertains K.C. Alumni

LAWRENCE
KANSAS

Zeta Chapter sends its warmest fraternal greetings to all brothers of Theta Tau and extends a standing invitation to any brothers who may be

in Lawrence to drop in and see us. Coffee and doughnuts will be served at the chapter house after every football game next fall.

House improvements were in order again this fall. A new gas fired boiler was installed after several weeks of cold weather were enjoyed by all.

The semester started off right this spring

with the initiation of Julius Darigo, Frank Lindemuth, Milor Childers, and E. J. Allison which brings our number to 19 actives. Incidentally, the initiates made an offer to paint all the hallways in the house. This offer was accepted by the chapter and a fine job resulted.

Formal initiation was held on Feb. 19 and the chapter adviser, Professor Bradshaw, Robert and Edwin Elliott were guests at this occasion.

Our present pledge class has eleven members: Glen Beauchamp, Wesley Peters, Graham Frevert, Karl Davenport, Jim Brooks, John

Kipp, Bob Kipp, Bob Pope, Dave Gray, Harold Wolf and Gene Littell. Our live wire rushing chairman, Bill Gartung, is bringing over three to four prospective pledges a week for dinner and a get-acquainted session.

Three fine Zetas, Bob Greenwell, Curtis Ottinger, and Bob Elliott graduated this spring and have gone out to make their places in the engineering world.

Zeta Chapter finds itself again ranking high on the Engine School activities list. Keith Smith and Duane Crowl were recently initiated into Tau Beta Pi. Elmer Dougherty, L. M. Rickards, Howard Walker, and Glen Anschutz are also members of Tau Beta Pi. We are well represented in Sigma Tau by Bill Gartung, Keith Smith, Duane Crowl, George

tramural basketball league this winter. We won four games and only lost four all season. Although we didn't get a cup for the mantle we all enjoyed fighting with the referees.

Zeta's Christmas party was held on December 17 and the Christmas spirits prevailed. This highlight of the winter social season was well enjoyed by actives, alumni, guests, and chaperones. Next year there probably won't be quite so much mistletoe around. This spring Zeta Chapter was well represented at the Hobnail Hop and the Engineering Banquet. Plans are now being laid by our social lion Keith Smith for two informal spring functions, the Red Dog Party and the annual Spring Frolic. On March 29 we had the Kansas City Alumni Association over for



From left to right.

First Row: Anschutz, Dougherty, Hansen, Scholes, Rumpf, Webber, Harris, Brune, Walker.
Second Row: Smith, Gartung, Frevert, Childers, Lindemuth, Oliver, Littell, Darigo, Pope.
Third Row: Beauchamp, Allison, Peters, Rickards, Davenport, Gray, Crowl.

McNiesh, Glen Anschutz, Howard Walker, L. M. Rickards, and Elmer Dougherty. Duane Crowl and John Kipp are members of Pi Tau Sigma. Glen Anschutz, president of the engineering council, is student adviser to the A.S.C.E. this spring. Duane Crowl is chairman of the 1950 Engineering Exposition and Keith Smith is in charge of publicity. George McNiesh is chairman for the Geological Departments display. Elmer Dougherty was recently elected secretary-treasurer of the Engineering Council to fill a vacancy. The Kansas Engineer, the Engine School magazine, is ably headed by Bill Gartung with Duane Crowl, Bob Kipp and George McNiesh occupying positions on the staff. Dick Harris is secretary of the I.I.A. of the A.I.E.E. — I.R.A. branch at K.U. Last but not least, Howard Walker is a member of Schem, the senior men's honorary society.

Zeta also entered a team in the tough in-

dinner which gave us a chance to renew a lot of old acquaintances and meet many alumni who were formerly merely names on the chapter roll.

We had a smoker January 17 and after a fine movie and informative talk by E. M. Bruzelius we spent an enjoyable evening getting acquainted with prospective pledges. L. H. Brotherson and E. K. Luffrom of the active Kansas City Alumni Association were our guests for the evening.

Our chapter officers to whom we owe such a successful semester are: Regent, Dick Rumpf; Vice Regent, Dick Harris; Treasurer, Marion Scholes; and faculty adviser, Professor G. W. Bradshaw.

Zeta extends its good wishes to all members and chapters of Theta Tau.

Yours in H & T,
Tom Oliver, Corres. Sec.

Theta Entertains Its Alumni



Theta Chapter sends greetings to all fellow brothers of Theta Tau.

The fall term has seen a growth in chapter strength from 14 to 30 actives, and there are 8 pledges for the spring

term initiation. This increase in membership has been guided successfully for the past year by our chapter officers: Charles Tucker, Regent; Richard Schultz, Vice-Regent; Ralph Hess, Scribe; Michael DeMayo, Treasurer; Lee Prochazka, Corresponding Secretary; and Mr. Nelson Fisk, Chapter Adviser.

The activities for the spring term got off to a flying start at a dinner-dance held on the John Jay Mezzanine, Saturday, February 11. There was a fine turnout especially among our recent alumni.

The annual Engineering School Dean's Day was held March 18 and the Theta Chapter greeted a number of its alumni who had returned for the day's activities at a cocktail party on the John Jay Mezzanine. Among those attending the Dean's Day activities were many of the original brothers of Theta Chapter. Among these were James A. Thomas, '13; Felix E. Wormser, '16; and Reynolds Benson, '16. Other alumni present were Edward C. Meagher, '21; Theodore Baumeister, '22; Dexter A. Hinckley, '27; Henry J. Langham, '27; Richard G. Pitkin, '30; Gordon Dunlap, '32;

Arthur V. Smith '33; John H. Bose, '35; and LeRoy Euvrard, '39. There were in addition many more from the classes '40 to '49. The cocktail party was welcomed by all those who attended and we believe that it will develop into a traditional Dean's Day affair.

Following up last year's successful cocktail party in conjunction with the Engineers' Formal Dance, Theta Chapter has again reserved the John Jay Mezzanine for its brothers both active and alumni. Much of the work in planning and running this year's Formal is being done by our brothers under the direction of Brother Prochazka, general chairman of the Formal Committee.

Extra-curricular activity of Theta Taus is being carried by many of the brothers in varied fields. Athletically, we are represented by Mike DeMayo on the varsity baseball team, Fred Merkel is basketball manager, and Ed Halpern is on the varsity football team. Engineering Student Council membership is held by Lee Prochazka, Chairman, Jay Fernandes, University Student Council Representative, Norman Glover, Social Chairman Committee, and Ed Halpern, representative from the Mining Department. On our Engineering publications we have Ralph Hess on the Yearbook and Louis Urban on the Engineering Quarterly.

Yours in H & T,
Lee Prochazka, Corres. Sec.

Lambda Forty=Niners Party Outstanding



Lambda Chapter sends greetings and best wishes to all Theta Taus. This has been a busy and active year for the chapter. Lambda Chapter was host at the regional convention which was held here in Salt Lake City

last October. We enjoyed very much meeting with the delegates from the other chapters in the region. We are also continuing with the Professional Leadership and Development program and are having dinners once a month.

Just before the end of the Fall quarter five new members were initiated into Lambda Chapter at a ceremony held at the Hotel Newhouse. The new members are Bob Burbank, Adrien Reynolds, Chuck Mays, Chan Gerrard, and Ron Starkey.

With the addition of the new members we now have 23 active members and a pledge

class of 10. We have had two smokers at which the active chapter met and got acquainted with the pledges.

This year the chapter has been under the direction of Jack Thomas, Regent; Kay Olsen, Vice Regent; Doug Erlandson, Scribe; Jack Call, Treasurer; and Ray Call, Corresponding Secretary. Professor George W. Carter continues as faculty adviser.

The annual '49ers Party was held again at the Pilot Cafe on March 3. Many of the costumes worn were really outstanding. A highlight of the evening was the presentation of an old silent cowboy movie. Present at the party were actives, pledges, alumni members, and their partners.

Charlie Martin was one of three seniors here at Utah to win a \$100 American Smelting and Refining Co. scholarship in metallurgy. Lambda Chapter is proud of Charlie.

Yours in H & T,
Ray L. Call, Corres. Sec.

Mu Backs Honor System

Mu Chapter extends greetings to all chapters and members of Theta Tau.

After our last election last fall, Charles P. Pelham was elected Regent, Jim Wuska, Vice Regent, William H. Vogler,

Treasurer; Bob Rey, Scribe; Howard Mason, Corresponding Secretary; and Jack Brown, Marshal. At present our faculty treasurer is Mr. Scofield, and our chapter adviser is Mr. Fairecloth.

At present we have sixty-eight actives and no pledges. There are quite a few graduating

this quarter, consequently this number will decrease considerably. This spring quarter we started a new pledge class. As yet we have not picked our pledges.

We are making plans to attend the Regional Meeting in Cincinnati this April 15 and 16. We hope to send eight or more members to represent Mu Chapter.

As yet the honor system has not been instituted at the University of Alabama, but Mu chapter is still hoping to put it through with the aid of Tau Beta Pi. Our hopes are getting brighter all the time on the honor systems.

Yours in H & T,
Howard Mason, Corres. Sec.

Xi Doing Business As Usual

There was a lot of late semester activity at Xi Chapter, University of Wisconsin, which resulted in personnel changes in both the membership and the officers.

The new members initiated on January 7, 1950, at the Memorial Union are: Don Cier,

Dick Hellen, Bob Macherey, John Wegner, and Ned Wilde.

Following the initiation, the following men were elected to office for the coming Spring semester: Gil Kempka, Regent; Roland Block, Vice Regent; Charles Pitt, Scribe; David Zimmerman, Treasurer; Richard Moe, Corresponding Secretary; and John Weber, Historian.

The initiation and election of officers was followed by a banquet after which Professor David Mack gave a very interesting talk on the history of firearms.

The end of the semester found a number of the members joining the ranks of the



Front Row: Gerschke, Franklin R.; Albert, Glen E.; Teske, Hilbert O.; Priem, Richard J.
Second Row: Rohlich, Dr. G. O.; Pitt, Charles H.; Anderholm, Ferd R.; Vinette, Joseph R.; Wallesz, Mark A.; Peterson, Dr. H. A.
Third Row: Meyer, Gerhardt E.; Kempka, Gilbert E.; Helm, John E.; Thiede, Roger A.; Moe, Richard M.; Roeder, Russell E.; Wagner, David; Hart, Thomas E.; Green, Walter
Back Row: Sawle, David R.; Sethne, Norman C.; Ratcliff, Melvin D.; Plaskett, Clyde A.; Stickney, Norman J.; Zimmerman, David L.; Weber, John P.; Biersach, James V.; Block, Roland D.

alumni which resulted in a current active membership of 30.

Professor "Pop" Rohlick is still gaining experience as Xi Chapter's adviser. He has been expanding these duties on his own at home according to the latest census.

Activities for the fall semester consisted of

the usual regular business and speakers' meetings, athletic participation in touch football, basketball, volleyball, and bowling, and the famous October 15th Founders' Day Banquet.

Yours in H & T,

Edwin D. Baugh,

Omicron Has Ambitions



Omicron Chapter extends to every Theta Tau a most sincere fraternal greeting. The spring semester finds the brothers of Omicron busily engaged in the various activities of Mecca Week (the annual engineers' week). The activities will be wound up by the second annual Theta Tau

dinner, which is held the evening of the Mecca Ball. Brother Jack Sward is the M.C. at the ever-popular engineers smoker.

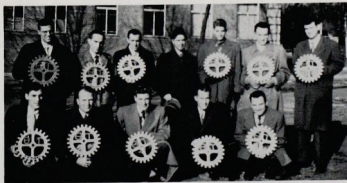
Omicron is happy to report the regional convention held on November 19 a roaring success. Many fine ideas were exchanged by the chapters attending the meetings. Fraternal spirit was high throughout the conference.

The brothers of Omicron are working on a long range problem to strengthen the chapter. Some of the activities of this program include: a formal dinner in honor of our alumni, plans toward a house, monthly professional dinners, participation in university functions, a freshman guidance program, a spring picnic, a stepped-up pledging program, and an increase in athletic participation. Along

athletic lines, Brother Hans Lenschow of Oslo, Norway, won four gold trophies for the chapter while participating in intramural tennis. Thus far, we are having a great deal of success in getting our program in full swing.

At this time there are 34 active members of Omicron. In January the chapter initiated twelve pledges and an honorary member, Prof. Donald E. Metzler. The initiation included in informal party on Saturday night which was high-lighted by the traditional search for the Theta Tau stone. Nine o'clock the following morning found twelve blurry-eyed pledges beating their brains out over a few rather confusing problems. Upon the completion of their academic masterpieces, the pledges were formally initiated. The first duty of the new actives was to attend an initiation banquet given in their honor. The banquet was attended by our chapter adviser, Professor Ned Ashton. Brother J. W. Howe was also present. He gave us one of his inspirational talks which was appreciated by all. There are no pledges at this time, but plans are being made to pledge a new group in the near future.

Omicron is sad to see its graduating brothers depart, but it is always good to hear



Front Row: Temple, Compton, Cirks, Rogers, Flanders.

Second Row: Volkmer, Ward, Jean, Metzler, Jeffrey, Podlaha, Sward.

from them. We have letters from Robert Newton, 3008 1/2 Washington St., Vicksburg, Miss.; John M. Langendean, 614 Parson St., Easton, Pa.; Don Mackenzie, 1320 Humboldt Denver, Colo.; George Overby, Box 50, San Carlos, Ariz.; Cecil Goodman, 1325 Baugh Ave., East St. Louis, Ill.; and Raymon Hudachek, Midland Building, Cleveland 15, Ohio.

Our chapter officers at this time are:

Regent, William H. Olson, Jr.; Vice Regent, Alva A. Evans, Jr.; Scribe, Adolph Nitsch; Treasurer, Ronald P. Larson; and Corresponding Secretary, Earl Compton.

Omicron is looking forward to a bright future.

Yours in H & T,

Alva A. Evans, Vice Regent

Sigma Working Toward House



As a result of a vigorous pledging campaign, Sigma Chapter now boasts 38 actives and pledges which is a decided improvement over last fall. We hope to increase this number when, and if, a new house is obtained.

The biggest issue with our chapter is the reorganization of Sigma of Theta Tau Association, Inc. We hope to see action on this subject soon.

Our present officers are: Jim Reid, Regent; Jim Fetter, Vice Regent; Ray Warren, Scribe; Jim Healy, Treasurer; and Harold Jorgensen, Corresponding Secretary.

The recent Engineers' Prom was a great success and was well attended by Theta Taus. Another recent and important function was

the Alumni Banquet on the evening of March 3. At this meeting-banquet, the Central Alumni Association met in conjunction with the Theta Tau Wives' Club. Movies of the recent Rose Bowl game were shown as part of the evening's program. The big coming event will be the Regional Conference on the weekend of April 15-16.

New initiates to honoraries are Jim Fetter, Tau Beta Pi; Ron Fish and Jim Fetter, Texnikoi; Carl Anderson, Bob Brooks, Ray Warren, Louis Cowden, Pi Tau Sigma; Bill Grossman, Chi Epsilon.

Our intramural endeavors have yet to bear fruit. Though ambitious, our basketball and bowling teams were not very successful this past season. However, we have high hopes for the forthcoming baseball forays.

Yours in H & T,

Harold Jorgensen

Tau Sponsors Engineers' Ball



Tau Chapter is busy, at present, overseeing the duties assigned to its sixteen pledges. The chapter now consists of forty-two actives, twenty-nine of whom will graduate this June. The

recent elections find the chapter with the following officers: Regent, Robert J. Power, Jr.; Vice Regent, Gerald J. Brown; Scribe, Manuel Shausovsky; Treasurer, Louis Enders; and Corresponding Secretary, Joseph Pollock. The faculty adviser is Professor Bart Conta of the Mechanical Engineering Department.

Tau Chapter continues to maintain its rapid pace of sponsored events. Last December 2nd the Tau sponsored annual Engineers' Ball was held in the Hotel Syracuse Ballroom with about five hundred couples in attend-

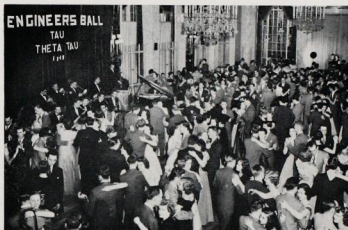
ance. The picture enclosed will vouch for the enjoyable time furnished the Syracuse Engineers and their dates. During the intermission, Dean Mitchell crowned one of the four finalists "Queen of the Engineers' Ball."

Aside from preparations for the Initiation Banquet on April 15th, Tau is "up to its elbows" in preparations for the annual Engineer's Dinner to be held April 22.

Under the guidance of Ed Rightmire and Jack McLaughlin, the Chapter sent a complete roster of Tau alumni, giving their addresses and business positions. This was accompanied by a chapter newsletter and the response to this program has been very good with renewed interest in the chapter resulting.

Yours in H & T,

Arthur J. Hatch, Corres. Sec.



Tau's Annual Engineers' Ball

Upsilon Leads Fraternities In Grade Point



Plans to initiate into Theta Tau as honorary member Clark Hungerford, President of the Frisco Railroad, will materialize April 20, 1950. Mr. Hungerford was born December 22, 1899, in Jackson, Tennessee. He

attended Princeton University receiving a B.S. degree in Civil Engineering in 1922. Upon graduation he was employed as transitman with the Frisco Railroad with which he has been associated ever since. It is a privilege and an honor to our chapter to initiate him into Theta Tau. The initiation will precede a banquet in honor of Mr. Hungerford.

Upsilon is again leading the fraternity grade point race. We have maintained a 3.44 during the fall semester. This, incidentally, proves that the presence of the girls' Scott Dormitory next door has little effect upon our abilities to maintain proper studies. Nevertheless, it is a pleasure to be living next door to them.

We were represented at the Iowa City Regional Convention November 19 and 20 by Bill Shook, Bill Robbins, Corley Senyard, David James, and Jim Koonce. The men had a very enjoyable trip. Commendation is due the Omicron group who served as congenial host.

Our annual formal, held February 4, was

a great success thanks to all the men who participated in the planning of it. The theme was advancement in Engineering. A huge mural depicting old and new developments in Engineering was designed and painted by



Theta Tau Formal

Nathan McDaniel & Pat Green

the decoration committee chairman, Nathan McDaniel. Music for the dance, held in the beautiful Student Union ballroom, was furnished by a local campus orchestra. An intermission party, held in the lounge, proved very successful. We are anticipating a return of this enjoyable experience next year.

Our chapter officers are: William E. Shook, Regent; Arthur Ray, Vice Regent; Corley Senyard, Scribe; Jim Koonce, Treasurer; Bill Robbins, Inner Guard; Omer North, Outer Guard; and Wayne N. Williams, Corresponding Secretary. Other leaders are: Graydon Bushart, social chairman; Don Callahan, house manager; and John Hawkins,

intramural manager. Our faculty adviser is Professor Jim Wiseman.

Bill Robbins and Chester McKeon have been elected by the Engineering students to serve as editor and business manager, respectively, of the "Arkansas Engineer." We are very proud of them.

We have just pledged nine new men which will increase our membership in May to 69. Several smokers were given in honor of these men.

Upsilon Chapter cordially invites all brothers to visit the chapter at any time. Best wishes.

Yours in H & T,

Wayne N. Williams, Corres. Sec.

Phi Men Into Everything



Bob Mahaffey, Associate Editor; Ray DiPasquale, Issue Editor; and Chuck Ross, Assistant Editor. Also, Dick Corry is the outstanding hurdler on the track squad, and Jim Corle is active in the famous Purdue Glee Club.

The campus honorary societies are well spotted with Phi men too. Recently pledged to Omega Chi Epsilon, chemical engineering honorary, was Emil Breaz; and to Chi Epsilon, the civil honorary, was Dick Corry. Bob Mahaffey and Ray DiPasquale were invited to join Sigma Delta Chi, national journalistic honorary, and Gimlet Club, fraternity athletic booster. Our new Skull and Crescent, sophomore activities honorary, men are Jim Corle and Chuck Ross. Dave Nelson is pledging Phi Eta Sigma, national freshman scholastic honorary.

Graduation took only one man from our brotherhood in February, Ed. Lukas. This leaves us with a total membership of 35 actives and 5 pledges.

Our officers, who have pledged to make 1950 a year to be remembered are Robert Mahaffey, Regent; Robert Burnette, Vice Regent; Charles Ross, Scribe; Edward Wagner, Treasurer; and James Wiese, House Manager. Brother J. Robert Burnett (no relation to brother Vice Regent) is resigning as faculty adviser because he is leaving the university in June.

We have gone to extremes in pledgship this semester. At one end is Professor Albert Ruff

Phi Chapter has an excellent representation in activities on Purdue's campus. Among those who are really putting our name on the map are four Purdue Engineer staff members: Ray Zirkle, Managing Editor;

Spalding, of the M.E. School, whom we have invited into honorary membership. At the other is Jezebel, a St. Bernard pup now five



"Jezebel," Phi's Mascot

months old and remarkably well-behaved.

Social extravaganzas have kept our calendar full. Despite a miserable rain, our imported true loves and Bob Brass' band made our winter formal, held at Lincoln Lodge December 10, the best yet. Other winter parties included the Inter-Fraternity Banquet and Ball, a hay ride, and several trade functions. Next on the list is a spectacular (we hope) Rube Goldberg dance, to be held jointly with Triangle Fraternity. Each house will try to out do the other in building a com-

plex contraption for the sole purpose of perplexing onlookers.

Alumni have been back to the old stamping ground for several social occasions and often drop around just to see the fellows. They've all commented on how swell the

remodeling job in the dining room looks.

Until next semester, Phi sends its best wishes to all chapters of Theta Tau.

Yours in H & T,
Charles Ross, Scribe

Chi Would Like To Hear From Alumni



Chi Chapter at Tucson held initiation of new members last fall following a picnic for actives and candidates for membership. An initiation banquet followed the ceremony in which James Farmer, John Hill, Carl

Appelin, Ted Cocks, Fred Sargent, William McKinney, Fred Kemmeries, John Tsaguris, Buddy Streets, Jules Ellingboe, Alex Brodie, and William Kohl became new members of Theta Tau. The addition of the new men brought the total number of actives in the chapter to 29. Four members Jim Hardy, Robert Wenzel, Harvey Nelson, and William Nelms graduated in January.

Professor Philip V. Newlin, an alumnus of Chi, has been appointed to succeed Professor E. S. Borgquist as faculty adviser to the chapter. Professor Borgquist resigned last fall after being faculty adviser for nineteen years.

Two members of Chi Chapter, Jim Hardy Harvey Nelson, attended the Theta Tau con-

vention in Salt Lake City, Utah, over the Thanksgiving holidays. They returned giving the fraternity ideas about setting up a development program on campus in order to make Theta Tau better known at the University of Arizona.

Since several members will graduate this spring, new pledges for the fraternity will be sought in the near future.

We have not received any letters concerning activities of the alumni recently. We would appreciate it if any Chi alumnus would write to the chapter and inform us of any news that might interest other members.

Chapter officers were elected in March and at present are: Dave Steinheimer, Regent; Ted Cocks, Vice Regent; Robert Webb, Scribe; Fred Sargent, Treasurer; and William McKinney, Corresponding Secretary.

The members of Chi chapter send best wishes to all chapters of Theta Tau.

Yours in H & T,
William A. McKinney,
Corres. Sec.

Psi Puts On Movies For Students



The spring semester here at the School of Mines is not only the shortest semester of the year but also the time of most activity for both the fraternity and

student body.

Psi Chapter elections were held January 18, and the following men are the new officers: Jack Griswold, Regent; Herb Sherburne, Vice Regent; Elliot Willner, Scribe; Tom Vogt, Treasurer; Bob Lund, Marshal; Charles Hewitt, Inner Guard; Bob Graham, Outer Guard; and Don Koza, Corresponding Secretary. Professor Curtis L. Graverson of the Metallurgy Department continues as our chapter adviser.

At the present time, Psi chapter has 46 actives and 15 pledges. Dr. Alvin M. Hanson, assistant professor of Geology, was initiated as an honorary member on January 11.

On January 5, Psi Chapter inaugurated a monthly movie feature for the entertainment of the faculty, student body, and their guests. A recent top-rating, full-length movie, plus selected short subjects on travel, sports, and industry round out the program. Much interest has been shown by the students and the fraternity will attempt to sponsor this as a regular school function at the next student body meeting. This program is under the direction of Elliott Willner and Al Gordon.

A textbook library has been proposed for the fraternity by Tom Manuel, and this suggestion has been met with much approval from all the members. Seniors and Juniors will donate or lend their used text books to the library, and the books will be available to all members who desire to use them. This program will be especially beneficial to the non G.I.'s who enter the fraternity in the future.

Psi chapter actives, pledges, alumni, and guests were entertained November 6 by a for-

mal dinner-dance commemorating Founders' Day. The dinner-dance was held at the Finlen Hotel, with alumnus Herb Keene as host. An excellent Smorgasborg was served the large group, followed by several hours of dancing to popular and "south of the border" melodies.

Everyone at the Montana School of Mines looks forward to "M-day," which is held on the first Wednesday in May. This is a school holiday dedicated to the annual school elections, cleaning up the campus, and white washing the "M" on Big Butte. Lunch is served by the student wives at noon, and there is a baseball game (if it doesn't snow too much) with our rivals, the Sigma Rhos, in the afternoon. The program ends with a dance in the evening when the election results are announced. The day starts out with a blast of dynamite set off on top of Big Butte at sunrise and the "liquid election-day refreshments" are served until the kegs are dry. The rest of the week is used for clearing heads and letting everything get back to normal.

Psi chapter was well represented on the varsity basketball team with six of the ten players being members of Theta Tau. Bob Toshoff was chosen as a member of the second team in Montana's Small College Conference.

The point-hour average of Psi Chapter for the fall semester was 1.31, which was second of the various groups of students; only the married students exceeded us with an average of 1.36. Two outstanding members of Psi chapter who helped raise the point-hour index average of the fraternity were Richard Douglas and Jim Clement. These men have won national recognition in Who's Who in American Universities and Colleges.

An annual spring formal is being planned for sometime in May. This will complete the social activities for Psi Chapter during the spring semester, and the chapter will add more names to its growing list of alumni.

Psi extends its best wishes to the alumni and to all brothers of Theta Tau.

Yours in H & T,
Donald R. Koza, Corres. Sec.

Omega Professional Development Program Booming

RAPID CITY
S.D.

The active members of Omega Chapter extend fraternal greetings to all brothers of Theta Tau. Omega Chapter is experiencing a successful year at the South Dakota School of Mines. Our Professional Development Meetings which were started a year ago are becoming bigger and better all the time. At present we are feeling the need for a larger hall to hold our meetings.

pledges. There will be another initiation soon to bring our chapter up to strength because 32 of our present active members graduate.

Omega's new officers are Arnold Ulmer, Regent; Vance Miller, Vice Regent; Don Bush, Scribe; Keith Graham, Treasurer; Russell Petersen, Assistant Treasurer; Lennis Shaf-ranek, Corresponding Secretary; Ed Hintz, Marshal; Kenneth Berg, Inner Guard; Fred Gerdes, Outer Guard. Professor Kammerman remains as our chapter adviser and Mrs. Dickinson as our housemother. Our new house



Omega Chapter

Our annual Christmas banquet was a great success. In attendance were 61 active, honorary, and faculty members. Mrs. Dickinson, our housemother, was up to her usual form and prepared a splendid dinner. According to custom, the chapter pledges served the dinner.

Our annual western dance, the Cinch-Buckle-T was held on February 17. Everyone pronounced the dance a great success and it reminded us all of the old western days that our grandfathers tell us about.

We now have 61 active members and 18

managers are Carl Tilus and Harold Wellman.

Plans are being made for our spring formal at Sylvan Lake. The dance will be held May 13.

Francis Majerus was the only one becoming an alumnus at the end of the winter quarter. He received his degree in Mining Engineering.

Again Omega Chapter extends best wishes to all active and alumni members of Theta Tau.

Yours in H & T,
Lennis F. Shaf-ranek, Corres. Sec.

Delta Beta Maintains Big Chapter



After a successful rushing program and much concentrated effort on the part of the actives, a group of 11 new men are now among the pledges of Delta Beta Chapter. An initiation was held on March 12, and the following men were promoted to the ranks of the active list: Jack Nally, Seelbach Kraft, Jim Wright, and Bill McCabe. The addition of this group gives us a total of 55 men of active status. However, we expect to lose by graduation 12 of our brothers. Comes June, and into the "great beyond" of industry will go Jim Allen, Litten Brown, Mack Donahoue, Bill Gerard, Irv Johnson, Jack Simon, John Slaton, Tom Spaulding, Jack Stroub, Del Tucker, Irv Waldman, and James Wright.

The officers of the chapter for the past year have been successful in carrying out a program of interest to all members, and have enjoyed the cooperation of the active members in the numerous tasks confronting them. These officers are: Regent, Jim Allen; Vice Regent, Del Tucker; Scribe, Bill Gerhard; Treasurer, Litten Brown; and Corresponding Secretary, Allan Fine. These men will continue to hold office until the Spring Quarter of school, at which time an election of officers will be held.

Theta Taus have been prominent men about Belknap Campus during the past year. Del Tucker was appointed Chairman of the Engineers Ball, the annual Speed Scientific School Dance. In the student branch of A.I.Ch.E., John Slaton was elected vice president, and Irvin Waldman was chosen treasurer. In the local student branch of A.I.E.E., Mack Donahoue was elected president, and Irvin Johnson was chosen treasurer. Bill Gerhard is the president of the student branch of the I.R.E. here in Louisville. Quite a few of the members were taken into Sigma Tau, Honorary Professional Fraternity, and others

were initiated into Omicron Delta Kappa, National Leadership Fraternity. One of our most outstanding men in school is a Theta Tau. This man is James Allen, our Regent, Jim is also president of Sigma Tau, vice president of O.D.K., treasurer of the University Student Council, was chosen to be listed in Who's Who in American Universities and Colleges. Jim was also Chairman of the Annual Engineer's Day, the official school open house and demonstration day, in 1949.

Planned for the near future is the Annual Jacqueminot Dance, with Mack Donahoue as chairman. It will be held during the Spring Quarter of school and should be as successful as in years past. The Chapter News-Letter has been supplemented with weekly meeting reports to all active members. This helps to keep all the men informed even though they may not be able to attend all of the meetings.

During the past year Theta Tau has participated in the campus intramural activities in sports. We have played football, basketball and now are engaged in a volleyball program.

We have had some very interesting and entertaining professional meetings during the past year, and we hope to have equally good ones in the future.

Our chapter adviser during the past year has been Professor Miles G. Northrup. He has aided us with advice when the occasion arose, and his interest and ability have been of great help to us in the solution of many of our most trying problems.

The Delta Beta Alumni Club is still functioning and holds its meetings at the chapter house on the fourth Monday of each month. This group has had some very interesting meetings during the past year at which time the active members of the fraternity were invited to attend.

Delta Beta Chapter extends its best wishes to all alumni and brothers of Theta Tau.

Yours in H & T,
Allan Fine, Corres. Sec.

N.W. Alumni Secretary Intercepts Some Lead

As usual, the news from the Northwest Alumni Association is very brief. There has been no change in our roster of officers.

We did have a fair attendance of alumni at the Spring Dinner-Dance of Psi Chapter last year. Also, a few couples were present at the actives' Fall Formal. We have held no alumni meetings this past winter, however.

Our Alumni Association, Vice President, Tom Greene, Psi '40, is representing the alumni of Montana School of Mines on the school

magazine, DE RE METALLICA. He is doing a good job of keeping the alumni informed of each others whereabouts and activities.

The Psi Alumni who attended the barn dance given recently by the active chapter extend their thanks for a very pleasant evening. Among the guests were Mr. and Mrs. Robert Hamilton, assistant mining engineer, Anaconda Copper Mining Co., Butte.

My wife and I had a very close call this past summer. While we were attending a

carnival in Anaconda, a policeman and an armed robber exchanged several gun-shots. It was one of those freak accidents; both of us were hit, but people on all sides of us escaped injury. After spending the best part of the

summer in the hospital we are both nearly back to normal again.

Yours in H & T,
George T. Hanson, Sec.

Central Ohio A.A. Turns Out For Sigma Anniversary

The present officers of the Central Alumni Association of Theta Tau are: Jack K. Dumbauld, President; James W. Smelker, Secretary-Treasurer; and Fred, O. Barber, Executive Member. The terms of the officers will terminate at our Annual Spring Dance sometime in May.

After a number of unsuccessful attempts at having monthly meetings by vote of the membership it was decided to have one big meeting each quarter of the school year. Since putting this plan into operation the meetings for the most part have been successful.

Last fall the Central Alumni Association together with Sigma Chapter of Theta Tau sponsored a 25th Anniversary Party. One hundred and ninety-four people were present, including more than half of the founders of Sigma Chapter. Brother "Dick" Iserman acted as toastmaster. We were honored with the presence of Brother Norman B. Ames, and Russell G. Glass, present and past grand regents, respectively, of Theta Tau Fraternity. Brother Ames was the main speaker of the evening. His inspiring talk was enjoyed by everyone. Following the banquet, introductions and speeches, the brothers and their guests enjoyed a fine floor show and dancing until the wee hours of the morning.

On March 3 the Central Alumni Association held another banquet. Faculty Adviser, Prof. C. B. Smith, acted as toastmaster. After

the banquet and introduction of guests we were entertained by Bro. F. W. Davis, Head of the Department of Photography at Ohio State, who showed us pictures of the 1910 Rose Bowl Game at Pasadena, Calif., together with color movies of the "Parade at the Tournament of Roses." At this meeting we had the pleasure to have as our guests Bro. P. F. Ambrosiani, Beta '38, and D. S. "Tony" James, Zeta, '16. Both of the brothers are residents of Columbus. Bro. James is associated with the Ben-Tom Supply Co., S. High St., Columbus, and Bro. Ambrosiani is associated with the Jeffrey Mfg. Co., E. First Ave., Columbus.

Currently we are working on a new Theta Tau Directory to include the Central Alumni Association of Theta Tau, as well as Sigma Chapter. Many of our alumni are lost. So any Sigma man reading this article who has not contacted either the Central Alumni Assoc. or Sigma Chapter since the first of the year, please send your present address to Bro. Emmett E. Knorr, 4523 Olentangy Blvd., Columbus, Ohio. I might also add that the Central Alumni Assoc. is striving to build up the Sigma Inc. House Fund. The boys need and deserve better headquarters.

At present there are 58 active members of the Central Alumni Assoc. and we hope to increase that number to about 100 in the near future.

Yours in H & T,
James W. Smelker, Sec.-Treas.

A college reunion brought together two sorority sisters who hadn't seen each other for several years.

"Do you remember," asked one, "the red-haired boy we used to meet at the tennis club?"

"Do I," replied the other. "He told me that if I didn't marry him he would do something terrible. I often wonder what became of him."

And the first one snapped: "He happens to be my husband."

—*England Review*

It was the little girl's first day at school and the teacher was making out the registration card.

"What is your father's name?" asked the teacher.

"Daddy," replied the child.

"Yes, I know, but what does your mother call him?"

"She doesn't call him anything. She likes him."

Public Service News

Alumni Notes

ALPHA

- RUSZAJ, NORBERT FRANCIS, HON., is now a preliminary design engineer for Boeing Aircraft Co., 7755 E. Marginal Way, Seattle, Wash., and lives at 9027 West Shorewood Drive, Mercer Island, Wash. He obtained his Ph.D. at Minnesota in 1949.
- KINGSLEY, NEIL S., '11, manufacturer's representative, lives at 5225 York Ave., South, Minneapolis, Minn.
- GRANFIELD, T. H., '14, is an assistant vice-president of the Northwestern Bell Telephone Co., in Omaha, and lives at 684 N. 58th St., Omaha, Nebraska.
- DAVIES, FRED A., '16, is Vice Pres. in charge of operations of the Arabian American Oil Co. and can be addressed at 505 Park Ave., New York 22, N.Y.
- ELIASSEN, SIGURD, '18, can be addressed at Brente Steders Regulering, Meltzersgt 4, Ill, Oslo, Norway.
- COE, EDWARD H., '19, Col. EC, USA, can now be addressed at Yokohama Engineer Depot, APO 503, care of Postmaster, San Francisco.
- ARNOLD, LEWIS E., '20, Engineer Administrator in the Los Angeles City Engineer Dept., has declined the office of Director of Public Works for Los Angeles because he was advised that the position was insecure in not having been established by charter amendment. It is expected that this will now be done.
- GRETNUM, LEROY A., '23, is assistant to the President of Pusey & Jones Corp. Wilmington 99, Del., but mail should go to 6 Tanglewood Lane, Newark, Del.
- DERINGER, PAUL J., '27, is district manager of the Fansteel Metallurgical Corp., in Chicago, and lives at 724 Ingleside Place, Evanston, Ill.
- MILLER, E. JOHN, '29, is in business for himself selling oil, 508 N. Spring St., Beaver Dam, Wisconsin.
- MORSE, ALBERT WHIPPLE, JR., '29, Lt. Col. USA is now stationed in Washington, D.C., and lives at 3224 Kingle Road NW.
- SCHUETT, RICHARD E., '34, gets his mail at 5810 Juniata St., Duluth 4, Minn.
- ST. VINCENT, FRANK, '40, is President of the University of Minnesota Alumni Association in Pittsburgh. Home is at 128 Union Ave., Crafton, Pittsburgh 5, Pa.
- BERGQUIST, THOR W., '41, can be addressed at Rt. No. 3, Wilmington Road, New Castle, Pa.
- TALTY, RUSSELL H., '46, a petroleum engineer is with the Rogers-Ray Co., Dire, Dawa, Ethiopia, but asks that mail be sent to 617 Second Ave., South, St. Cloud, Minn.

BETA

- ANDREWS, WORTH B., SR., '06, is an oil producer under the name of Worth B. Andrews Co. with offices in the Alamo Bank Bldg., and lives at 310 West Cortland, San Antonio, Tex.
- GRAHAM, ERNEST R., '06, is addressed care of Graham's Dairy, Inc., Hialeah, Fla.
- HOUSTON, FRED KENNEDY, '06, lives at 136 N. Sunset Place, Montevia, Calif.
- BARR, JAMES A., '07, who retired as chief engineer of International Minerals & Chemicals Corp., has gone back to Tennessee to his old home. His address is 505 Haylong Ave., Mt. Pleasant, Tenn.
- WANVIG, JOHN D., JR., '08, has left Milwaukee and can be addressed at 3035 Serena Road, Santa Barbara, Calif.
- RIGBY, WILLIAM A., '12, wants mail addressed to RFD No. 1, Highland Falls, N.Y.
- MCNAUGHTON, C. H., '19, is now production manager for Tennessee Copper Co., Copperhill, Tenn.
- WEDGE, HENRY W., '24, has his home at 133 West Petoskey St., Gaylord, Mich.
- NEIL, HARRIS A., '26, can be addressed at P.O. Box 446, Caspian, Mich.
- ROBB, CYRIL B., '26, can be addressed at 10357 Ave. J, South Chicago 17, Ill.
- DEWALD, WALTER E., '27, left the M. A. Hanna Co. to go into business for himself. He has offices as a consulting engineer in the Iron River National Bank Bldg., Iron River, Mich.
- KENNEDY, JOSEPH H., '29, lives at 4009 Randolph, Lincoln, Nebraska.
- TONNE, LYLE P., '30, lives at 16240 Cherry-lawn, Detroit 21, Mich.
- PEPIN, ALBERT J., '32, is at 15 Saxon Rd., Worcester, Mass.
- HAWN, C. W., '34, is mine superintendent for Cia. Minera Aguilar in the Province of Jujuy, Argentina, which is the country's largest lead-zinc producer. D. B. McGilvra, Alpha '17, is general manager of the South American operations for St. Joe Lead Co., Aguilar's parent organization.
- WILSON, JAMES L., '34, is now located at 352 E. Hewitt Ave., Marquette, Mich.
- LENDVED, JOHN W., '36, lives at 7326 W. Cleveland Ave., Milwaukee 14, Wis.

- NEKERVIS, BRUCE, '36, gets mail at Box 536 Catlettsburg, Kentucky.
- COSGROVE, PATRICK A., '37, can be addressed care of Illinois Central R. R. Springfield, Illinois.
- OLSON, CLARKE K., '39, lives in Lake Linden, Mich.
- WATSON, THOMAS A., '39, announces the birth of Joan Ellen, on Sept. 2, 1949.
- LANHAM, ROY B., JR., '41, lives at 2484 Brunkow Court, Saginaw, Mich.
- CAMPBELL, COLIN A., '42, can be addressed at 29 Mine St., Calumet, Mich.
- DONOVAN, CLAIR M., '42, sent in a change of address. It is now 212 Diamond St., S.E., Grand Rapids 6, Mich.
- KUBILINS, EDWARD E., '42, has moved to 1224 Reynick, Saginaw, Mich.
- RACINE, ROBERT J., '42, gives his new address as 11742 Ziegler, Dearborn, Mich.
- LAFORET, HENRY A., '47, is working in the Ford Motor Co. Foundry doing research work with foundry sands.
- KOPPELMAN, JACK K., '48, with Goodman Mfg. Co. is living at the Y.M.C.A. in Wilkes-Barre, Pa.
- GARRETT, JAMES W., '49, is a chemical engineer trainee with Archer, Daniels-Midland Co., in Minneapolis, Minn.
- HARRIS, RICHARD, '49, and Cecilia J. Turcotte, were married in Painesdale, Mich., on October 11, 1949. He is employed in the Quality Dept. of the National Gypsum Co., National City, Mich., and home is at 602 West Bay St., East Tawas, Mich.
- MIKLAS, VINCENT, A., '49, is employed as a junior engineer in the Production Dept. of the Detroit Edison Co. at the Marysville (Mich.) Power Plant. His address is 814 Stanton, Port Huron, Mich.
- SNYDER, EDWARD H., JR., '49, formerly of Lambda chapter, is with Combined Metals Reduction Co., Felt Bldg., Salt Lake City, Utah.

GAMMA

- BOATRIGHT, BYRON B., HON., has consulting offices in the Capital National Bank Bldg., Austin, Texas, and lives at 2107 Woodmount, Austin.
- WHEELER, ROBERT M., '08, Research Scientist of the Bureau of Economic Geology, at the University of Texas in Austin, Texas, lives there at 404 West 13th St.
- LEWIS, WM. M., '09, formerly vice-president of the Layne-New York Co., Inc., Water Supply Contractors, is now President of the company and located in Linden, New Jersey.
- RUSSELL, DONALD OSCAR, '09, governing director, W. R. Loxley & Co. Ltd. 76 Victoria St., London, England, lives at 59 Carlisle Mansions, London. He has a son at the Colorado School of Mines this year.
- BROWN, WALTER REGINALD, '10, is a mining engineer in Florida and lives at 3320 N.W. 4th St., Miami 35, Fla.
- DYKENFORTH, DONALD D., '12, manager of North American Sales, and E. R. Ramsey, '12, President, The Dorr Co., have left the business district of New York, and are now at company headquarters, Barry Place, Stamford, Conn.
- PEARCE, JAMES W., '14, is now managing engineer of the Westland Construction Co. at Pasco, Washington.
- THOMAS, G. DEWEY, '21, celebrated his 25th year of service with the Shell Oil Co. last year and is district geologist for the company in Shreveport, La.
- EVANS, JOHN R., '23, gets his mail in care of the Stanolind Oil and Gas Co., Box 1410, Fort Worth, Texas.
- GALLAGHER, GEORGE G., '24, has been appointed Assistant Manager of the Raw Materials Operations Office, U.S. Atomic Energy Comm. directing the Uranium program from Grand Junction, Colo.
- AMSDEN, BURT, '25, consulting mining engineer is addressed at P.O. Box 361, French Bank Bldg., Singapore, Malaya.
- GODDARD, HOMER A., JR., '25, is now assistant general manager of industrial marketing, Gulf Oil Corp., Gulf Bldg., Pittsburgh, Pa., and lives at 155 Inglewood Drive, Pittsburgh 16, Pa.
- CRONIN, G. HAROLD, '26, Major USAF, can be addressed at Wheatland, Wyo.
- MATTISON, VERNON L., '26, has been appointed Director of the Colorado School of Mines Research Foundation, Inc., by the Trustees of the School of Mines, Research Foundation. His headquarters will be in Golden, Colorado. Home is at 1198 Pikeview St., Lakewood Station, Denver, Colo.
- NELSON, FRED M., '26, is executive Vice President for Cia Explorador de Imito, S.A., Puerto de Mexico, Coatzacoales, Vera Cruz, Mexico.
- TUTTLE, CARL W., '28, senior service metallurgist for Carnegie Illinois Steel Corp., has a new residence at 8850 South Harper Ave., Chicago 1, Ill.
- ZWICK, BENJAMIN FREDERICK, '29, is Vice President of the Husky Oil & Refining Ltd. Calgary, Alberta, Canada, and can be addressed there at 531-8th Ave., West.

- BOWIE, KENNETH R., '30, District Supt. for Shell Oil Co. gets mail care of the company at 1701 Shell Bldg., Houston, Texas.
- LYONS, DAN J., '30, is in the Research Division, Tidewater Associated Oil Co., Associated, California. He lives at 1719 Alhambra Ave., Martinez, Calif.
- TRUMBULL, NELSON E., '32, is petroleum engineer for the Ohio Oil Co., and lives at 2501 Beech St., Bakersfield, Calif.
- GARDNER, JOHN MARCUS, '33, has been elected President of the International Derrick & Equipment Co., and can be addressed at 1315 Pacific, Dallas, Texas.
- RUMP, WILLIAM C., '33, a rancher, is addressed at Apt. 16, Demerschan Gardens, Grand Junction, Colo.
- McCLURE, FRANK L., '34, sent in the following address: 105 Hilltop Road, Hilltop Manor, Wilmington, Del.
- SESS, TED W., '34, has left the Eastman Co. and can now be reached care of Trinidad Public Service Co., KSFT, Trinidad, Colo.
- COLASANTI, JAMES, '35, has been elected president of the Colorado School of Mines Alumni Association for the ensuing year.
- LAY, DENT L., '35, Lt. Col. USA, is taking graduate work in physics at Ohio State University, and lives at 4883 Elks Drive, Columbus 2, Ohio.
- SMITH, PAUL W., '35, is now in the design and construction branch, engineering division as specifications reviewer U.S. Bureau of Reclamation in Denver. Home is at 1100 So. Vine St., Denver.
- TILZEY, M. S., '35, lives at 3408 Newton, Denver 11, Colo.
- TURCHAN, T. P., '35, lives at 1353 James Ave., Niagara Falls, N.Y. He was transferred by the Stauffer Chemical Co. from Henderson, Nevada to their plant in Niagara Falls where he is now Plant Manager.
- GILL, PERRY A., '36, announces the adoption of Dana Sue, and Deborah Lou who were born July 28, 1949. He is assistant division superintendent for Sunray Oil Co., Midland Tower Bldg., Midland, Texas.
- SMITH, MACY W., '37, has moved and now gets his mail at P.O. Box 778, Canaan, Conn.
- BREMKAMP, LOUIS E., '38, Major USA is now in Japan with address, Hq. 8th Army Engineering Section, APO 343, care of Postmaster, San Francisco, Calif.
- HUNDHAUSEN, ROBERT J., '38, has a new home address at 940 West 6th St., Albany, Ore.
- ANDERSON, WILLIAM, JR., '39, Manager of the Anderson Phosphate Mines now lives in Osburn, Idaho.
- CROWLEY, ALLEN S., '39, engineer for Hercules Powder Co. has a new home address at 714 North Pearl St., Joplin, Mo.
- PATTY, WALTER M., '39, announces the birth of a daughter, Eleanor Rebecca, on December 31, 1949. The family home is at 2930 East 14th St., Joplin, Mo.
- DOWLIN, DONALD, '40, is now with the Buckeye Coal Co., Nemaacolin, Pa.
- DUHME, REEVE M., '40, geologist for the U.S. Engineer Corps, is now being addressed in their care at Kernville, California.
- DYE, C. MAC, '40, is employed at the H & S Mine at Armstead, Mont.
- WARREN, A. W., '40, is general engineer for Civil Aeronautics Administration in the San Francisco District Office, 206 Appraisers Building, but wants mail sent to his home at 129 Beverly Drive, San Carlos, California.
- YEAGER, GEO. G., '40, lives at 3229 Circle Drive, Pittsburgh 27, Pa.
- CROW, WALTER L., '41, has left the DuPont Co. to become owner of the Bradley Hatchery at Longmont, Colo.
- JANAKKA, W. E., '41, is with U.S. Vanadium Corp., Uravan, Colo.
- TAYLOR, RANDALL, '41, is assistant chief engineer for Utah Fuel Co., and gets his mail at P.O. Box 116, Castle Gate, Utah.
- RUGG, EDWIN S., '43, engineer for The Texas Co. is now living in Calpet, Wyoming.
- TRIMBLE, RALPH C., '43, is works manager for American Manganese Steel Div., New Castle, Delaware.
- SHAW, ROBERT POWELL, '46, is with Black Sivals & Bryson, and gets mail at East Yellowstone Highway, 1743, Casper, Wyoming.
- KING, BEN H., '47, Process Engineer for the Texas Co. lives at 4023 Proctor St., Port Arthur, Texas.
- MAGNIE, ROBERT L., '47, engineering trainee for Shell Oil Co. has a change in address to P.O. Box 977, Hamlin, Texas.
- HOCHBERGER, S. M., '48 lives at 1232 South 9th St., Allentown, Pa.
- MINER, GORDON M., '48, shift boss for the Pend Oreille Mining & Metals Co. with mail at Metaline Falls, Washington, P.O. Box 2. He reports the birth of a son, James Gordon, on Sept. 19, 1949.
- SEERLEY, JOHN J., '48, is shift boss with the Pend Oreille Mining & Metals Co. with address as P.O. Box 54, Metaline Falls, Wash.
- SPIELES, EARL LLOYD, '48, is at Grass Creek, Wyoming.
- WANNER, JOHN J., '48, is at Rangely, Colo.
- ALLEN, LOUIS B., '49, and EUGENE V. SIMONS, '49, have both been awarded scholarships by the Harvard Graduate School of Business Administration.
- COWAN, JOHN G., '49, engineer for the Trigood Oil Co. gives his mailing address as 706 Obie Sue, Worland, Wyoming.
- LANDERS, L. L., '50, was awarded a \$500 scholarship by the A.S.&R. Co.

DELTA

- SCHRAMM, BERNARD D., '11, represented Case Institute of Technology at the 75th anniversary of the founding of the Colorado School of Mines, Sept. 29, 1949, in Golden, Colo.
- COTTON, CECIL, '14, is with the Republic Steel Co. in Cleveland, Ohio.
- GRENSLADE, RUSSELL M., '15, retired Capt. USAF, sells insurance and lives at 131 Princess Pass, San Antonio, Texas.
- FOCKE, ALFRED B., '28, is chief physicist for the Naval Electronics Laboratories, Point Loma, San Diego, California, and lives at 5110 Alta Vista, Pacific Beach, Cal.
- CABLE, HAROLD EDWARD, '29, represents the Lincoln Electric Co. in Pittsburgh, Pa., with offices at 22 Wabash Ave., home is at 1124 Cornell Ave., Pittsburgh, Pa.
- SPANGENBERG, CHARLES BYRON, '30, is a patent attorney with offices at 209 South La Salle St., Chicago, and lives at 229 N. Waller St., Chicago.
- HANNUM, CHARLES M., '32, has become a general partner of the firm of A. J. Brandt Co., consulting and management engineering, 1005 Hofmann Bldg., Detroit, Mich.
- DONNELL, JOHN R., '34, has been made Treasurer of the Ohio Oil Co. and lives at 2200 South Main St., Findlay, Ohio.
- NAUERT, AUSTIN GEORGE, '36, is Dist. Traffic Supt. Long Lines Dept. A.T.&T. Co. in Chicago, and lives at 694 Park Blvd., Glen Ellyn, Illinois.
- TINDAL, CHARLES H., '36, reports the birth of a son on May 8, 1949. The total now is two girls and three boys.
- HANVILLE, SCOTT H., JR., '38, gets his mail at 3400 Shepherd, Chevy Chase 15, Md.
- HORSBURGH, CHARLES, '38, welcomed a daughter, Cynthia Christine, on March 23, 1949.
- LOONEY, JOHN T., '38, is plant engineer for the Ohio Injector Co., and lives at 382 Crestwood Ave., Wadsworth, Ohio.
- BOLZ, RAY E., '40, received his doctor of engineering degree at Yale in June 1949, and has returned to RPI to teach this fall.
- HODGSON, ROBERT F., '40, has been appointed chief engineer for Hydraulic Equipment Co., in Cleveland, Ohio, 1100 E 22nd. Home is at 125 May Court, Chagrin Falls, Ohio.
- DEEMS, NYAL W., '41, is with E. I. du Pont de Nemours Co., Inc., at Waynesboro, Va. Home is at 151 South Charlotte St., Waynesboro.
- GROW, BERT A., '42, is with the Standard Oil Co., in Cleveland, Ohio. Home is at 1595 Overbrk Drive, Hillcrest, Ohio.
- NUSBAUM, DAVID, '42, and Miss Annie Otis Clark were married on April 2, 1949.
- LEARY, ART, '44, assistant to the Dean at Case, reports the birth of Art III on June 23, 1949.
- YOUNG, JACK M., '44, was married in September to Miss Martha Stotz. He is attending law school at George Washington University while working as an examiner in the U.S. Patent office. Home is 1835 K St., NW, Washington, D.C.
- WILLIAMS, ROBERT D., '45, and Miss Patricia Marie Collins were married on June 18, 1949. They are living at 136 Franklin St., Morristown, New Jersey.
- KRIGER, ROBERT, '46, received his M.S. on June 4, 1949, and on June 11 was married to Miss Ruth Kirt. They are living in New Philadelphia, Ohio, where he is with the Joy Manufacturing Co.
- MILLER, LEE D., '46, is plant superintendent for the Cleveland Gypsum Co., 2146 West 3rd St., Cleveland. They manufacture a perlite product to be used as a plaster aggregate in place of sand.
- FARMER, WM. R., '47, is sales engineer for the Peerless Pump Co., Indianapolis, Ind. 2005 Northwestern St.
- HOUGHLAND, RUSSELL, '47, and Bernice Virginia Brautigam were married on April 30, 1949, in Schenectady, N.Y. where he is with General Electric Co.
- KRAUTH, ERNEST C., '48, and Miss Martha Klein were married in June '49.
- KREBS, JAMES, '48, and Miss Nancy Jean Leare were married on May 27, 1949. Jim is with the Container Co. of America in Cleveland, 12401 Euclid.
- PENOVICH, ROBERT, '48, now with the Cleveland Chain & Mfg. Co., Cleveland, Ohio.
- SUTTLE, ROBERT C., '48, has been made field application engineer for the Reliance Electric & Engineering Co. of Cleveland, in Cincinnati, Ohio.
- DUEKING, WILLIAM G., '49, and Miss Leona Naragon were married on July 30, 1949.
- KEPPLER, CALVIN E., '49, and Miss Aileen Pearl Cresswell were married on April 16, 1949.
- MAXWELL, JACK E., '49, received the plaque for the most prominent senior at the 1949 Commencement.
- MELICK, ROBERT K., '49, was awarded the \$50 Telleen English Prize at the June 1949 Commencement.
- OATIS, WILLIAM C., '49, and Miss Margery Steigerwald were married June 1949.
- MEHRING, CLINTON W., '50, was given the award as the most promising senior at the January Commencement of the Case Institute of Technology.

EPSILON

- BEHR, ERNST EDWARD, '10, is manager of the Fertilizer Dept. Yuba City Mills, A & Craddock Sts., Yuba City, California, and lives at Rt. 1, Bunce Road, Yuba City.
- STANTON, WOLCOTT PRATT, '12, lives at 2811 Cathedral Ave. NW, Washington 8, D.C.
- McMILLAN, WILLIAM D., '13, is now in charge of the U.S. Bureau of Mines Station at Silver City, New Mexico.
- HULIN, CARLTON D., '20, has resigned as professor of geology at the University of California, and has offices as a consulting geologist at 100 Bush St., San Francisco, California. His home is at 35 Eucalyptus Path, Berkeley 5, Calif.
- BURCHFIELD, HUGH, '22, geologist for Standard Oil Co. makes his headquarters at the Alvarado Hotel, Albuquerque, New Mexico.
- SHENON, PHILLIP JOHN, '22, is professor of mining at the University of Utah, and lives at 305 South 12th East, Salt Lake City, Utah.
- VORBE, GEORGES, '23, Petroleum Geologist for D. D. Feldman, Mercantile Bank Bldg., Dallas, Texas, lives at 5919 Tremont Ave., Dallas.
- PROBERT, ALAN, '25, for 23 years with the U.S. Smelting & Refining Co. and foreign subsidiaries, has resigned from his Fairbanks, Alaska position and will return to Mexico where he was for many years at Pachuca, and will be with the U.S. Bureau of Mines in charge of its cooperative program with the Mexican government.
- BAKKE, WILLIAM EUGENE, '27, is an oil producer with offices in the Alamo Bank Bldg., and lives at 511 Argyle St., San Antonio, Texas.
- LINDGREN, CARL H., '29, is engineer for Pacific Valves Inc. Anaheim, California, is his home.
- FITZGERALD, THOMAS J., '30, is Vice-President of the Oceanic Oil Co. with headquarters in Bakersfield, California, and lives there at 252 Las Flores Drive.
- LINDSAY, CHARLES AUDREY, '35, is Production Mgr. Los Angeles Div. Stauffer Chemical Co., 20201 S. Normandie, Torrance, Calif., and lives at 33 Via Medici, Palo Verde Estates, Calif.
- McLAUGHLIN, ALTON E., '35, is now working as a research chemist in the Kaiser Aluminum & Chemical Alumina Plant in Baton Rouge. His address is 611 Centenary Dr., Baton Rouge, La.
- SOLARI, A. J., '35, gets his mail at 225 Bush St., San Francisco 20, Calif.
- BROWN, ROBERT M., '37, is a manufacturer's agent for Good & Co., 1555 Market St., San Francisco, Calif.
- NEILSON, WILLIAM, Jr., '37, Division Exploration Engineer for Shell Oil Co., 2150 Obispo Ave., Long Beach, California, lives at 4070 Grenora Way, Long Beach.
- REYNOLDS, SARGENT MERRILL, '37, is a geologist with the firm of Woodward & Reynolds, Hipp Bldg., Taft, California, and lives at 903 D St., Taft.
- HARDING, J. W., '38, gets his mail at 556 Park St., Santa Paula, Calif.
- LARSON, CHARLES EDWARD, '39, is with International Sales Co., 2045 Evans Ave., San Francisco, Calif., but lives at 2 Wistaria Way, Atherton, Calif.
- MARTNER, SAMUEL T., '40, has moved from Texas to New Mexico. His address is P.O. Box 297, Portales, N. Mex.
- DETTMER, PHIL, '42, is now working for his masters at Berkeley. He spent two years in Japan as a metallurgical engineer and then took his family to Peru. They have returned to Long Beach to live, and a son, Randolph Craig, was born there on July 5, 1949.
- BOISSEREE, VICTOR R., '47, is a student at the University of California Pharmacy School in San Francisco.
- LANDRETH, THOMAS CHART, JR., '47, and Miss Sylvia Marlene Tufts were married in Guico, Venezuela, S.A. on November 19, 1949. He is with Socony-Vacuum in Venezuela as a petroleum engineer.
- ELIZONDO, JOSEPH, '48, is with the Cerro de Pasco Copper Corp., Cerro de Pasco, Peru, S.A.
- TRUCHOT, JOHN FORBES, '48, is geologist in the exploration department of the Stanolind Oil & Gas Co., P.O. Box 40, Casper, Wyoming, and lives at 353 South Beech St., Casper.

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- HOFFMAN, RALPH N., '13, is now with Phelps-Dodge Co., in Morenci, Ariz.
- WARD, RICHARD B., '13, engineer in charge of construction for the U.S. Bureau of Reclamation, is now at the Falcon Dam construction on the Rio Grande, with headquarters in Laredo, Tex.
- DINGMAN, O. A., '14, is Professor of Mining Engineering, Montana School of Mines and his home address is 1736 Lowell Ave., Butte, Montana.
- BROWN, WILLIAM EUGENE, '15, general contractor in Kansas City, gets his mail at 209 West 67th Terrace, Kansas City, Mo.

- PAINTER, C. E., '15, will have been with the Water Works Equipment Co. thirty years on February 1st.
- ALT, G. L., '16, is Associate Professor of Civil Engineering at the university of Michigan and lives at 918 Sybil St., Ann Arbor, Michigan.
- FLETCHER, C. C., '16, reports his address as 6923 Thorndike Ave., Mariemont, Cincinnati, Ohio.
- JAMES, D. S., '16, is President of the Ben Tom Supply Co. and lives at 297 South High St., Columbus, Ohio.
- TEMLIN, ARTHUR WELLINGTON, '16, is chief draftsman for the Builders Steel Co. and lives at 3445 Coleman Ave., Kansas City, Mo.
- WASHBURN, E. G., '16, has been Chief Engineer for the Brown and Strauss Corporation for 14 years.
- HOLT, H. C., '18, is with the Frisco Railroad as Assistant to Comptroller, 1101 Frisco Bldg., St. Louis, Mo.
- WAGNER, P. P., '18, is now Asst. Chief Engineer-Construction, Missouri Pacific Railroad. His present address is 413 Atlanta, Webster Groves, Mo.
- GEDNEY, KENNETH H., '19, lives at 565 Eleventh St., Richmond, Calif.
- SHEIDLEY, HUBERT O., '20, lives at 106 West 65th St. Terrace, Kansas City, Mo. Reported to be in real-estate business.
- GRAY, C. A., '22, is Valuation Engineer for the Kansas State Commission of Revenue and Taxation on the fifth floor of the state house in Topeka, and would enjoy a call from any of his old friends whenever they are in Topeka. His home address is 902 Frazier.
- WILLIS, C. C., '22, is Superintendent of Generation for the Oklahoma Gas and Electric Co., Oklahoma City, Oklahoma. He was recently initiated as an honorary member in Oklahoma Sigma of Pi Tau Sigma.
- BARRON, J. L., '23, is Sanitary Engineer and Manager of the Sanitation Department of the National Biscuit Co. and lives at 449 West 14 St., New York 14, N.Y.
- CORNELIUS, PAUL D., '23, now is at 6070 Harding Ave., Hollydale, Calif.
- SHARPE, ROBERT Q., '24, lives at 152 Waiku Road, Ridgewood, N.J.
- JOHNSON, O. K., '26, is President of Johnson-Canfield Construction Co.
- HILKEY, H. R., '27, is with General Electric in the City Sales Section, Industrial Division, Apparatus Dept. and is living at 316 Washington Blvd., Oak Park, Illinois.
- PERKINS, C. E., '27, is City Manager of Winston-Salem, North Carolina. His address has been changed to 785 Roslyn Road.
- FEIL, L. G., '28, is with the Kansas City District of the Corps of Engineers and lives at 4207 West 69th, Mission, Kans.
- MAY, JAMES PERRY, '28, has been appointed assistant manager of distribution transformer sales to General Electric Co., Pittsfield, Mass.
- SMELTZER, V. O., '28, has a new address, 1260, College Ave., Topeka, Kansas, and is still with the Santa Fe.
- JOHNSON, J. L., '29, at present is on power plant construction as Resident Engineer for Black and Veatch, K.C., Mo. His address is 128 West 5th St., Hutchinson, Kansas.
- TUCKER, LEWIS ROBERT, '29, is geophysicist with the Socony-Vacuum Oil Co. and can be addressed at 62 Sharia Ibrahim Pasha, Cairo, Egypt.
- HUGHES, H. G., '30, reports his address as 2103 Burnett Road, Topeka, Kansas.
- BONJOUR, D. E., '31, for the past six years has been Chief of the Branch Corps Engineers, Kansas City District and is now living at Lenexa, Texas.
- FAUST, LEWIS WILLIAM, '31, is with S. W. Bell Tel. Co. in Kansas City and lives at 824 West 71 St. Terrace, Kansas City, Mo.
- MOSKE, CHARLES AUGUST, '31, is with S.W. Bell Telephone Co., and lives at 4626 Penn Ave., Kansas City, Mo.
- WOOD, CLAIR LAWRENCE, '32, Col. USAF is stationed at Air Force Headquarters in the Pentagon, Wash., D.C., and lives at 5210 N. 26th St., Arlington, Va.
- JOHNSON, D. MARCUS, '33, is supervising engineer for Employers Mutuals of Wansan, Southwest District, in Dallas, Texas. He writes that he has a prospective Theta Tau, Paul Frederick age 3½, and a co-ed Karen Lynn, age 15 months. His address is Room 400, 209 Browder St., Dallas, Texas.
- MANNING, C. E., '33, is with the Packard Electric Division, General Motors Corporation as Asst. Chief Engineer. His address is R.D. No. 3, Warren, Ohio.
- STARK, D.A., '34, has been Sec'y Treas. and executive manager of Fluid Control Inc. for the past three years. His address is care of Fluid Controls Inc., Box 186, Willoughby, Ohio.
- LAMM, MAX F., '36, is head of the structural design section for the U.S. Engineers in St. Louis, Mo., 12th & Market St.
- THUDUM, F. A., '38, is now Asst. Highway Engineer with the California State Highway Dept. and has changed his address to 2260 Ebers St., San Diego 7, California.
- ANDERSON, AXEL WILLIAM, JR., '39, lives on 1082 Lola Drive, Pasadena, Texas.
- PAXSON, L. L., '39, has a boy 5 and a girl 8 months. Although he is with the same company his address has changed to 90 Rice St., Greenville, S.C.
- RETHMAN, VINCENT C., '40, Major, U.S.A., is stationed on Guam. His wife has been in

- San Francisco waiting for passage so she can join him.
- THUDUM, F. N., '40, is now working as design engineer for Ball Jack Scientific Instrument Co. at Solana Beach, California, and is still located at 3054 Union St., San Diego 1, Calif.
- BARKMANN, HERMAN G., '41, and Miss Frances Sharp were married in Santa Fe, New Mexico, on September 10, 1949. Mail is received at P.O. Box 657, Los Alamos, New Mexico, where he is an engineer with Black & Veatch.
- HAMMOND, C. T., '41, is with a plumbing firm and is living at 38 North 30th St., Battle Creek, Michigan.
- LARGE, R. D., '41, wishes to announce the birth of a third son, Bill, in April 1949. At present he's doing engineering drafting at the Shell Refinery outside Houston.
- PAULETTE, R. G., '41, is now located at 454 Marlin Drive, Mt. Lebanon, Pittsburgh 28, Penn., and is employed by Inflico Inc. as Field Engineer for water and waste treating equipment. He reports one offspring, male, age 2½.
- DOMINGO, FRANCIS J., '42, lives at 912 West 7th St., Topeka, Kans.
- ROBBINS, J. C., '42, is with Black and Veatch, K.C., Mo.
- HARNED, M. S., '43, received his M.S. from Cal. Tech. in '48 and is now Project Engineer for North American Aviation working on rockets and jet propulsion. His address is 8955 Santa Fe, Los Angeles, Calif.
- MOSER, THEODORE H., '43, gets his mail at Box 52, Indianapolis, Nebr.
- BENTLEY, R. L., '44, graduated from West Point in June of '47. Locker married in May of '48 and has a son, Ronald, born in March '49. He is now a 1st Lt. in the Air Corps and is stationed at McChord Air Force Base, Tacoma, Wash. His mail should be sent to Osceola, Kansas.
- FOSTER, C. V., '44, is in the Chem. Eng. Graduate School of the University of Delaware working on a Ph.D. and expects to be finished by Christmas '50. His address is 372 South College Ave., Newark, Delaware.
- MAY, R. W., '44, is still with the National Advisory Committee for Aeronautics but has changed his address to 229 Regent St., Hampton, Va.
- MURPHY, K. D., '44, is now going to Oklahoma A & M and is in his senior year there. His address is P.O. Box 842, Stillwater, Oklahoma.
- OSTER, J. O., '44, has been with the Pacific Telephone and Telegraph Co. as Outside Plant Engineer for the past five years and has changed his address to 5042 Voltaire, San Diego 7, California.
- PAULETTE, C. H., '44, is now Design Engineer for water and sewage with Boyd E. Phelps, Consulting Engineer. His home address is 523 Cole Court, Michigan City, Indiana.
- FARBER, J. D., '45, is working for Burns & McDonnell Engineering Co. in Kansas City, Mo. His home address there is 2226 East 69th St.
- LICHTY, FRANKLIN, '46, and Marjorie Jean Free were married on October 15, 1949, in Wichita, Kansas. They can be addressed at Rt. Box 286, Springfield, Mo.
- NELSON, R. F., '46, is working for the Shell Oil Co. as a mechanical engineer, and is living at 310 South Elm, Centralia, Illinois.
- SHRAKE, C. D., '46, is still with the Caterpillar Tractor Co. and his new address is 127 Edgebrook Drive, Peoria, Ill.
- NELSON, LEE, '47, is sales engineer with Dennis Driscoll Assoc. in Long Beach, Calif., and the family is at 1968 Lime Ave.
- BORENE, MORRIS EUGENE, '48, is engineer for Lutz & May Consulting Engineers, Finance Bldg., Kansas City, Mo., and lives there at 3755 Paseo.
- GUY, L. D., '48, is with the NACA at Langley Field Va. as an Aero. Research Scientist and is living at 107A Barksdale Road, Hampton, Va.
- SOMMERS, C. L., '48, reports that he and Dorothy had a nine pound boy born January 7th.
- BEERY, G. W., '49, is working for Black, Sivalls & Boysan Tank Co. and lives at 1110 East 2nd St., Odessa, Texas.
- BERGMAN, W. E., '49, is working for the Fulton Engineering Co.—Contractors and is temporarily located in Amarillo, Texas. His address there is 1023 West 6th St.
- DUNCAN, W. B., '49, is working as an architect-engineer for the Jayhawk Construction Co. in Topeka, Kansas.
- LADD J. BERTRAM, '49, is with the Texas Company, Cut Bank, Mont.
- PENNINGTON, BRUCE R., JR., '49, and Patricia Ann Smith were married on August 7, 1949, in Great Bend, Kansas. Bruce is with Lutz & May, Consulting Engineers, Finance Bldg., Kansas City, Mo.
- ROHLER, CHARLES W., '49, who received his degree as a petroleum engineer at the Colo. School of Mines, is junior engineer with the Cities Service Oil Co., (Del.) lives at apartment 23, 468 Tyler St., Gary, Indiana.

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- SWAIN, WINTHROP, '17, has recovered his health and has set up as an engineering and economic consultant. His offices are at 68 Devonshire St., Boston, Mass. Home is at 4 Levitt, Hingham, Mass.
- FOSTER, WILLIAM C., '18, formerly Assistant

- Secretary of Commerce, has gone to Paris to be deputy at large to W. Averell Harriman. He has the rank of Minister, and is deputy administrator of the E.C.A. Mail will reach him if sent care of the American Embassy in Paris, France.
- BARNEY, FREDERICK W., '19, is now living at 2719 Northeast 20th Court, Ft. Lauderdale, Fla.
- FISKE, DAVID LEWIS, '20, has offices as a consulting engineer at 111 Broadway, New York City, and lives at 25 Woodlawn Ave., New Rochelle, New York.
- JAKOBSON, IRVING, '21, is president of Jakobson Shipyard, Inc. of Oyster Bay, New York.
- BLACKALL, FRED, '22, is very active in the New England Council and at present is chairman of the iron and steel supply committee which is studying the possibility of a steel industry in New England. Home is at Orchard House Farm, Cumberland Hill, Rhode Island.
- CARPENTER, DONALD F., '22, has retired as Chairman of the Military Liaison Committee to the Atomic Energy Commission and has returned to the DuPont Co. in Delaware after having been on leave of absence from the Remington Arms Co. Inc., of which he was Vice President and assistant general manager. His mailing address is 3414 Nemours Bldg., Wilmington 98, Del.
- ROBERSON, WILLIAM CARTER, JR., '22, is associated with the banking firm of Merrill, Lynch, Pierce, Fenner & Beane, 70 Pine St., New York City, and lives at 151 East 83rd St., New York City.
- FLETCHER, BOYNTON J., '24, is now assistant chief hydraulic engineer for the Aluminum Co. of America, New Kensington, Pa.
- BUTLER, THEO. H., '25, is now manager of the Northampton Gas & Electric Companies in Northampton, Mass.
- SHEPARD, DAVE, '26, has left London and is now assistant to the president of the Standard Oil Co. of New Jersey with offices in Rockefeller Center, New York City. The family home is in Bronxville, New York.
- KURT, FRANKLIN T., '27, asks that his mail be sent to the following address: Southdown Road, Huntington, N. Y.
- GRAY, ELISHA, '28, has been elected president of the Nineteen Hundred Corporation of St. Joseph, Mich. He joined the firm in 1938. It employs 2,000 men and in 1948 did a gross business of forty-two million. His home address is RFD 1, Nickerson Ave., Benton Harbor, Mich.
- PATRICK, GERALD, '28, is now eastern sales manager of Industrial Products for the Pesco Products Division of Borg-Warner Corp., 11608 Euclid Ave., Cleveland 6, Ohio. Home is at Hackney & Osgate Rd., Chagrin Falls, Ohio.

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- BARRETT, THEODORE HARVEY, '14, is assistant professor of CE at Michigan Tech in Houghton, Michigan, and lives at 1206 College Ave., Houghton.
- EILERS, KARL F., '24, is living at 2457-Walker Lane, Salt Lake City 7, Utah.
- HOWELL, HENRY W., '26, has moved to 151 East 83rd St., New York 28, N.Y.
- NOEL, DONALD O., '29, has a new home at 43 Roosevelt Ave., Glen Head, New York.
- STRINGER, GEORGE S., '35, lives on Fresh Pond Road, Northport, N.Y.
- DAVIS, DROUGHT D., '36, lives at 30 Beacon Hill Drive, Dobbs Ferry, N.Y.
- GOULD, IRVINE P., '36, lives at 11 Clayton Ave., East Atlantic Beach, Long Beach Postoffice, Long Beach, New York.
- SMITH, ALBERT J., '36, gives his address as care of General Electric Co. S.A., Apartado 403, Mexico, D.F.
- DONELLIAN, K. O., '37, lives at 22-34-80th St., Jackson Heights, N.Y.
- MCCHOSKEY, JOHN R., '38, lives at 708 Donnelly, Columbia, Mo.
- SHEEHAN, WILLIAM M., '38, is at 1660 Stewart Ave., New Hyde Park, L.I., New York.
- EUVRARD, LEROY E., '39, has a new address at 31 Kipp Ave., Hasbrouck Heights, New Jersey.
- FELDMANN, GEORGE W., '41, can be addressed at RFD No. 1, Boothwyn, Pa.
- CHECKOVICH, JOHN, '42, is a mechanical engineer with the U.S. Naval Laboratory in Washington, D.C., and lives at 2905 South Colombs, Fairlington, Va.
- ESILLIONIS, FELIX M., '42, resides at 458 Lowell St., Manchester, N.H.
- FLEIERABEND, RAYMOND H., '42, is now superintendent of production for Freeport Sulphur Co. at its Grande Ecailli, La., operation.
- KIACHIEF, MENUTCHER E., '42, can be addressed care of Alexander, Stein Highway, Seaford, Del.
- BERNETT, CLIFFORD, '43, is in the construction department of Foster Wheeler Corp., 165 Broadway, New York City. Home is at 1944 Unionport Rd., New York 60, N.Y.
- LAXAR, FRANK H., '43, is now an instructor in metallurgy at Lehigh University in Bethlehem, Pa., and is also taking graduate work there.
- LOPEZ, KENNETH M., '43, and Gwendolyn McCormick, were married on July 9, 1949.

- They can be addressed at Lenadro N. Alem 1350, 5 B, Buenos Aires, Argentina.
- MAHER, THOMAS F., '43, has his home at 10 Edward St., Roslyn Heights, New York.
- MCCAFFERY, FRANCIS X., '43, is at 63 Norton Rd., Quincy, Mass.
- MICHALEC, GEORGE W., '43, and Norma Travis of White Plains, N.Y., were married on September 18, 1949. He is with the General Precision Laboratories in Pleasantville, N.Y.
- O'NEILL, LAWRENCE H., '43, lives at 21 Claremont Ave., New York 27, N.Y.
- SCHUBERT, ROBERT W., '43, announces the birth of a daughter, Nancy Louise, on October 4, 1949, the first child. He is in charge of mechanical engineering at the Nevis Cyclotron Laboratories. Home is 545 W. 236th St., Riverdale 63, N.Y.
- SHARKE, ALBERT A., '43, is addressed at 52 Beckman Ave., North Tarrytown, New York.
- SMITH, ROBERT LELAND, '43, gives his home address as 11 Norman Road, RD No. 3, Binghamton, New York.
- STEINKE, JOHN J., '43, lives at 184 Kinderkamack Road, Oradell, N.J.
- STEINSCHNEIDER, RICHARD, '43, is now living at 201 Paper Mill Road, Oreland, Pa.
- BURNS, JAMES F., JR., '44, gets his mail at 229 Deerfield, Houston 9, Texas.
- KISCADDON, CHARLES G., JR., '46, lives at 35 Stirrup Lane, Levittown, New York.
- BUYS, DOUGLAS CHARLES, '47, is assistant plant engineer for The Texas Co. in Beacon, N.Y., and home is at 2 Fox Terrace, Poughkeepsie, New York.
- PROCHAZKA, ROBERT A., '48, lives at 28 East 304th St., Shanks Village, Orangeburg, New York.
- WEBB, WILLIAM M., '48, can be addressed at RD No. 3, Ballston Spa, N.Y.
- CUMMINS, JOSEPH P., '49, is a rubber technician with the General Cable Corp., Newark, N.J., and lives at 57 Elliott St., Newark 4, N.J.
- SCIORRA, ALBERT F., '49, is an electronic designer in special projects department of the M. W. Kellogg Inc. Jersey City, N.J.
- SHERIDAN, PETER B., '49, is with Anicent Chemicals & Film in Newton, N.J., and lives at 657 Scotland St., Orange, N.J.
- VIVES, DONALD, '49, is a chemical engineer with Burns & Roe, Inc., New York City, and lives at 430 West 116th St., New York 27, N.Y.

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- JOHNSON, GUNNARD EDMUND, '16, retired general manager of The Eagle Picher Co. in East Chicago, Ind., gives his permanent address as Hemlock Hollow, Route 2, Worcester, New York, but his winter address will be 1020 Palmetto St., Davenport, Florida.
- BARTON, JOSEPH C., '17, representative of National Lead Co. can be addressed at Cia Minera de Oaxaca, S.A. Apartado 2776, Mexico, D.F. and lives at Monte Libano 323, Lomas de Chapultepec, Mexico, D.F.
- HORNER, HOWARD A., '17, engineer with the Frick Co., Inc., lives at 422 West Main St., Waynesboro, Pa.
- GILL, JAMES P., '18, gives his home address as 815 Weldon St., Latrobe, Pa.
- GOLICK, A. FRANK, '18, who is with the La-Salle Steel Co., P.O. Box 6800-A, Chicago 80, Ill., lives at 4810 Dorchester Ave., Chicago 15.
- BRAZILL, MATTHEW P., JR., '20, is with W. M. Taggart & Co., 1602 Locust St., St. Louis, Mo.
- HOPPOCK, HARLAND H., '20, is Vice Pres. The W. T. Raleigh Co., and his home address is 1528 W. Harrison St., Freeport, Ill.
- NOLTE, WILLIAM J., '20, is division manager of the exploration department of the Stanolind Oil & Gas Co., P.O. Box 1410, Ft. Worth, Tex. Home is on Rt. 5, Box 319, Ft. Worth.
- SCHUMAN, EDWIN K., '20, lives at 1106 Pine St., Rolla, Mo.
- STONER, OSCAR E., '20, lives at 1228 S. Columbia Place, Tulsa, Okla.
- TERRY, MARK L., '20, is with The Texas Co., P.O. Box 2420, Tulsa, Okla., and lives at the Ambassador Hotel, Tulsa.
- UTHOFF, FRED W., '20, is general superintendent of the Northern Illinois Coal Co., Washington, Ill., and lives at 1115 Loral Ave., Joliet, Ill.
- WILSON, JOSEPH M., '21, with Shell Oil Co., lives at 5811 Gaston Ave., Dallas, Texas.
- BARNWELL, GEORGE F., '22, has been on an extended trip to the near east and Indonesia. His home is at 875 Park Ave., New York 21, N.Y.
- METZGER, WILLIAM H., '22, lives at 121 Basky Dells, Collinsville, Ill.
- SHORE, HAROLD F., '22, has his offices at 901 Esperson Bldg., Houston, Texas.
- TURNBULL, LOUIS A., '22, now lives at 208 Nantucket Drive, Pittsburgh 27, Pa.
- GORDON, JOHN P., '23, wants mail sent to 113 West High St., Jefferson City, Mo.
- LEONARD, HOMER, '23, is at 3222 Gilbert, Austin, Texas.
- PENCE, HARRY S., '23, with the consulting

- firm of Sverdrup & Parcel, Syndicate Trust Bldg., St. Louis, Mo., lives at 17 Cambridge Court, Glendale, Mo.
- SCHIERMEYER, HARRY J., '23, is with the Illinois Highway Dept. and lives at 219 McKinley Ave., Edwardsville, Ill.
- STUART, SAMUEL H., '23, is with the U.S. Geological Survey, in Rolla, Mo.
- WENDELL, EVERETT J., '23, lives at 13 Oak Park Drive, Peoria, Ill.
- ZOLLER, HENRY E., '23, has a new address at 6150 E. Harry, Wichita 15, Kan.
- WALLS, CECIL ALBERT, '24, is field engineer for the Portland Cement Association, 33 West Grand Ave., Chicago and lives at 921½ Lake St., Oak Park, Illinois.
- BAKER, DONALD R., '25, lives in Blue Springs Mo. He is with the Marley Co., Inc., Fairfax Road, Kansas City, Kan.
- ELLISON, KENNETH A., '25, lives at 736 NE 18th, Oklahoma City, Okla.
- FOSTER, JAMES N., '25, gives his mailing address as 102 Robert Ave., Ferguson 21, Mo.
- HAUCK, WILLIAM F., '25, is with the Peoria Tractor & Equipment Co., 400 Franklin St., Peoria 2, Ill.
- REID, JOSEPH H., '25, is now manager of the Titanium Division of National Lead Co. with headquarters at 111 Broadway, New York.
- VALERIUS, CLAUDE N., '25, says home is at 443 Gladstone Blvd., Shreveport, La.
- KENNEDY, DANIEL, '26, with the U.S. Geological Survey in Rolla, Mo., lives there at 1810 Vichy Road.
- SCHOOLER, DURWARD RICE, '26, Assoc. Prof. of Mining at M.S.M. lives at 605 West 14th St., Rolla, Mo.
- KRAFT, NED O., '27, is with Aluminum Co. of America, 1200 Ring Bldg., Washington 6, D.C.
- GERBER, THEODORE C., '28, has a new home address at 2300 Connecticut Ave., N.W., Washington, D.C.
- TEMPLES, WILLIAM S., '28, is at 1901 Bridge Road, NW, Grand Rapids, Mich.
- BOLON, HARRY C., '29, is with the Water Resources Division of the U.S.G.S. in Rolla, Mo., and lives there at 1020 Morrell Ave.
- CLARK, MARTIN L., '29, lives in Fredericktown, Mo.
- GODAT, EDWARD A., '29, can now be reached at Apartado 251, Monterey, N.L. Mexico.
- KELLER, WILLIAM N., '29, is at 1446 Ronald Drive, Webster Groves 19, Mo.
- MORRIS, ORVILLE W., '29, is with Armco Steel Corp., and lives at 911 Edgewood Ave., Ashland, Kentucky.
- HAFFNER, RAY J., '31, has a new address at 935 Park Ave., New York 28, N.Y.
- SCALLEY, JOSEPH E., '31, has his home now at 2110 S. Jamestown, Tulsa 5, Okla.
- WAKE, WALTER J., '31, is with the U.S. Corps of Engineers in Kansas City, Mo., and lives at 8540 Overland Park, Kansas.
- BERTRAM, RICHARD A., '32, can be addressed at 3734 Settle Road, Mariemont, Ohio.
- MONROE, REX, '32, now lives at 2020 Orange Drive, Whittier, Cal.
- RANKIN, ROBERT C., '32, announces the birth of a daughter, Jimmie Ann, on October 1, 1949. Bob is a civil engineer located in Tyler, Texas.
- STURM, JOHN T., '32, is with the W. H. Powell Lumber Co., and lives at 646 N. Forest Ave., Webster Grove 19, Mo.
- HESSE, ALFRED H., '33, is now at 604 South 10th Ave., La Grange, Ill.
- HUNT, THEODORE W., '33, wants mail sent to 2122 North Calvert St., Baltimore 18, Md.
- CAMPBELL, FULTON H., '34, is at 900 Harding St., San Fernando, Calif.
- MURRY, MILLARD H., '34, has a new address at 10 Samoset Ave., North Haven, Conn.
- MURPHY, JAMES J., '35, is with the John C. Murphy Co., 436 Olive St., St. Louis, Mo., and lives there at 610 Pershing Ave.
- NATIONS, G. O., '36, is with the National Tube Co., Box 266, Pittsburgh 30, Pa., and lives at 771 Bevanon Ave., Pittsburgh 28, Pa.
- SCHWALBERT, WILLIAM H., '36, is now system planning engineer for the Edison Co. and lives at 3824 Maxwell Road, Toledo, Ohio.
- BARCLAY, ARTHUR HUGH, JR., '37, is living in Monterey Park, Calif., 224 East Markand Drive.
- LOGAN, EDWIN W., '37, lives at 7 Granvue Drive, Belleville, Ill.
- TAYLOR, MARSHALL W., '37, lives at 204 Transit Tower, San Antonio, Texas.
- CLAYTON, CHARLES LEE, '38, has left the metallurgical profession to join a family enterprise, George D. Clayton & Sons, Hannibal, Mo.
- LEGRAND, JESSE, '38, lives at 348 Innes Road, Wood-Ridge, New Jersey.
- MUELLER, FRED MARION, '38, is electrical engineer for the Ebasco Services Co., P.O. Box 4919, Sta. F., Kansas City, Mo., and lives at 314 N. Jackson, Kansas City.
- RUEMMLER, WALDEMAR P., '38, is manager of the Eagle Picher Co., P.O. Box 540, East Chicago, Indiana.
- STURGESS, HERBERT D., '40, gives his mailing address as 38 South Broadway, Fairlawn, New Jersey.
- TUCKER, ARMIN J., '40, is with American Overseas Airline, Laguardia Field, New York, and his home is at 29 Moore Ave., Mt. Kisco, N.Y.
- CORNEAU, CLIFFORD A., '41, is with U.S. Gypsum at Sigur, Utah, but mail should be sent to Box 197, Elsinore, Utah.
- FICK, ARMIN F., '41, has a new address at

- 1540 W. Grant St., Downers Grove, Ill.
- FIELDS, ROBERT E., '41, is engineer for the Atlantic Refining Co. and gets his mail at 5505 La Foy Blvd., Dallas 9, Texas.
- HARDINE, KENNETH, '41, is with the H. H. Gunther Construction Co., 600 East Main St., Galesburg, Ill.
- JAFFE, NATHAN D., '41, is with the A. C. Horn Co., Inc., 1318 S. Main St., Los Angeles, Calif.
- KYLE, FRANK KENNETH, '41, is at the Law School of the University of Kansas City, and living at 210 East 66th St., Kansas City, Mo.
- STEVENS, HARVEY E., '41, says his address is care of Shell Pipe Line Corp., Box 2648, Houston, Texas.
- BUSCH, '42, was transferred to Youngstown, Ohio, last fall. Brother Busch joined Allis Chalmers after graduation in '42, and he can be addressed in care of the company, 25 E. Boardman St., Youngstown 3, Ohio.
- STEVENS, CLARENCE M., '42, with General Electric Co. in Schenectady, has a new address at 905 Lakewood Ave., Schenectady, N.Y.
- COMANN, R. KENT, '43, with the U.S. Gypsum Co., 300 West Adams, Chicago, Ill., lives at 9015 Windemere Ave., Brookfield, Ill.
- FRIS, EDWARD, '43, gives his address as Box 186, Orient, Ill.
- NENSTAEDTER, JAMES A., '43, has returned from Paramaribo, Surinam, is with Alcoa Mining Co., and can be addressed at 42 East Webster Ave., Roselle Park, New Jersey.
- STUDEBAKER, DONALD J., '43, advises us that he can be reached care of Ivan Dodell, Humansville, Mo.
- DOWD, JAMES D., '44, now lives at 823 North St., New Kensington, Pa.
- JETT, GLENDON D., '44, is at 414 Cedar St., Washington, Mo.
- ORLOFSKY, SEYMOUR, '44, is engineer for the Panhandle Eastern Pipe Line Co., 1221 Baltimore, Kansas City, Mo., and lives at 2600 West 79th Terrace, Kansas City 5, Mo.
- PASMUSSEN, RENE K., '44, is with the Miss. Glass Co., Box 609, Fullerton, California, and lives there at 401 N. Truman Ave.
- BOYD, ROY H., '45, is a hydraulic engineer with the U.S. Bureau of Reclamation, Indianola, Nebraska, P.O. Box 183.
- MCCLENTON, JOSE G., '45, lives at 1008 Vermont, Castle Shannon, Pittsburgh, Pa.
- SPARLIN, BERNARD J., '45, has a new home at 144 Orchard Drive, Pittsburgh 21, Pa.
- BENNETT, PAUL M., '47, with Atlantic Refining Co. gives his home address as 1410 S. Carson, Tulsa, Okla.
- BUTZER, HAROLD G., '47, may be addressed at 722 rear Mulberry St., Jefferson City, Mo.
- GOODWIN, REO E., '47, can be addressed at 1803 West Kentucky, Midland, Texas.
- KALLMEYER, MELVIN FREDERICK, '47, and Miss Natalie Janice Baker of Rolla, were married on October 29, 1949. He is employed by the Western Electric Co. in Chicago, Ill., as a mechanical engineer and they will live at 501 N. Central Ave., Chicago.
- KENDALL, ROBERT H., '47, is with the State Highway Dept., and lives at 309 W. McCarty St., Jefferson City, Mo.
- PAULTLER, ROBERT E., '47, is at 403 South Oak, Union, Mo.
- RANES, JAMES W., '47, is with General Electric Co., and lives at 2104 Van Vranken Ave., Schenectady, N.Y.
- BROWNING, CHARLES M., '48, is a geophysicist with Stanolind Oil & Gas Co., and mail can be sent to him at P.O. Box 104, Carlsbad, New Mexico.
- CHANNEY, JAMES B., '48, is employed by the Baroid Sales Division, National Lead Co., P.O. Box 218, Potosi, Mo.
- CROSBY, R. ALLEN, '48, has a new address at 7119 South Euclid Ave., Chicago 49, Ill.
- DELANY, MICHAEL J., '48, is employed by the Ingersoll-Rand Co., 400 West Madison St., Chicago 6, Ill.
- HOFFMAN, ALBERT, JR., '48, who is a research metallurgist with Union Carbide & Carbon Labs at Niagara Falls, lives at 4120 Washington St., Niagara Falls, N.Y.
- PICKETT, ROY E., '48, is living at 1650 S. Volusia, Wichita, Kansas.
- ROBBINS, IRVIN D., '48, is with Morrison-Knudsen Co., Inc., P.O. Box 406, Riverton, Wyoming.
- ROCK, ROBERT M., '48, is with the construction service in the Air Force Technical School at Cheyenne, Wyoming, and lives at 1512 East 19th St., Cheyenne.
- ROTHER, WM. J., '48, who is with the Standard Photo Co. in St. Louis, Mo., lives there at 4517a Flad St.
- SCHMIDT, DONALD G., '48, says his home address is 330 N. Grant St., Hinsdale, Ill.
- WALKER, RICHARD ALLEN, '48, is employed in the Beardsley and Piper Division of Pettibone-Mulliken Corp., Chicago, Ill., and lives at 328 South Lombard Ave., Oak Park, Ill.
- BENNETT, CHARLES W., '49, is employed by International Business Machines Co., 1013 Walnut St., Des Moines, Iowa, and lives at 3926-10th St., Des Moines.
- POUNDS, IVER, JR., '49, and Miss Ellen Riley of St. Louis, Mo., daughter of Mr. and Mrs. Joseph Riley, were married in Helena, Mont., on November 15, 1949. Iver is employed as a metallurgist at the A.S.&R. Co.,

smelter is East Helena, where they will make their home.

REILLY, JOHN G., JR., '49, is on his way to Argentine, South America, where he will be assistant mill superintendent for Cia Minera Aguilar, S.A., Tres Cruces, Prov. of Jujuy. C. W. Hawn of Beta chapter is Mine Supt. there.

SHORT, KEITH E., '49, is engineer for the

Division of Waterways at Springfield, Ill., and lives there at Apt. 3, 211 N. Glenwood Ave.

HOFFMAN, GEORGE C., '50, and Miss Jean Crain of Rolla, Mo., were married on January 27, 1950. George is with the U.S. Geological Survey in Rolla as a civil engineer.

KAPPA

BUSH, KENNETH B., '16, Brig. General, USA is Adjutant General at General MacArthur's Headquarters in Japan.

DARBY, HARRY, '17, is the newly appointed U.S. Senator for Kansas. He is president of The Darby Corp., Kansas City 15, Kan., and lives at 1220 Hoel Parkway, Kansas City 2, Kan.

REICHELDERFER, HARRY, '18, Brig. Gen., USA now has command of the Signal Corps Engineering laboratories at Ft. Monmouth, N.J.

MCCORMACK, THOMAS H., '20, is director of sales of the Grasselli Chemicals department of the E. I. duPont Co., in Wilmington, Del.

MEZEK, FRANK W., '21, is head of Frank W. Mezek Co., Inc., a general contracting firm in Chicago, Ill., and lives in Englewood.

FLECKINGER, MILO P., '23, is Executive Secretary for the State of Illinois of the Associated General Contractors.

STRIKE, CLIFFORD S., '24, President of F. H. McGraw & Co., New York engineers and contractors has been slowly recovering from severe burns incurred in the crash of a

McGraw plane at East Hartford, Conn., last fall in which Mrs. Strike was killed.

BORGESON, CARL A., '25, was recently made supervisor of telegraph operations in the long lines department of the American Telephone & Telegraph Co. in New York. His home is in Red Bank, New Jersey.

MILLARD, LAWRENCE A., '25, is now assistant general sales manager of the Link-Belt Company, Chicago, Ill.

RICH, FRANCIS M., '25, Vice Pres. in charge of Kaiser Steel Corp. now makes his headquarters at Fontana, California.

BRODERICK, JAMES R., '26, is manager for the Central Illinois Public Service Co., and lives in Marion, Illinois.

GERDES, JAMES F., JR., '26, is with the Gardner-Denver Co. in Quincy, Illinois.

PONZER, ERNEST, '28, lives in Elmwood Park, Ill.

CISLER, JOHN PARKER, '31, is with United Air Lines at Stapleton Airfield, Denver, Colorado, but mail should be sent to 751 Kramaria St., Denver, Colo.

JOHNSTONE, DON, '31, is assistant director of W. C. Kruger & Assocs., Inc., engineers in Los Alamos, New Mexico.

LAMBDA

BILLINGS, THOMAS PARRY, '06, has retired as consulting engineer for the U.S. Smelting, Refining & Mining Co. in Salt Lake City, Utah, and lives at 588-5th Ave., Salt Lake City.

GARDNER, E. D., '06, has now taken up permanent duties as chief mining engineer for the U.S. Bureau of Mines in Washington, D.C. He is an authority on the extraction of oil from shale and had his headquarters in Denver.

SHIPP, CARL B., '15, assistant engineer Gen. Electric Co. lives at 878 Amanda Ave., Salt Lake City, Utah.

PERRY, R. A., '19, manager of the Murray, Utah, plant of the A.S.&R. Co. which was closed recently, has been appointed inventory auditor of the company's western department, in Salt Lake City.

WALKER, WILLIAM JAMES, '21, mine operator

and consulting engineer in Ely, Nevada, lives at 1115 Mill St., Ely, Nevada.

BRADFORD, ROBERT D., '24, is general manager of the Western Division of the American Smelting & Refining Co., and lives at 1136 South 15th East, Salt Lake City.

MITCHELL, THEO. FRANCIS, '24, is chemical engineer with the U.S. Bureau of Mines and lives at 1811 Ramona, Salt Lake City, Utah.

KASTLER, JOHN L., '34, is engineer for the U.S. Bureau of Mines in Salt Lake City, and lives at 4942 Cottonwood Lane, Holladay, Salt Lake City, Utah.

MCCNEILLY, WAYNE E., '38, left Boulder City and is now with the Bureau of Reclamation, Anderson Ranch Dam, Anderson Dam, Idaho.

SUMISON, H. T., '38, is now senior research engineer of the Carborundum Co., Niagara Falls, N.Y.

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BATON, T. HON., is now associate professor of Mining Engineering at the Colorado School of Mines in Golden, Colo.

BOOTH, CHARLES F., '21, gives his address as Elmore, Ala.

COULBURN, EDWARD ROCHE, '23, is chief electrical engineer for the Alabama Power Co., 600 N 18th St., Birmingham, Ala., and lives at 2427 Fairway Drive, Birmingham.

GASTON, ERNEST C., '25, is engineer for the Commonwealth & Southern Corp., and lives at 91 Lucerne Blvd., Birmingham, Ala.

TERRY, ALLEN L., '32, Major USA is now at R.O.T.C. headquarters at the University of Alabama. He can be reached through Box C, R.O.T.C. Headquarters, University of Alabama.

ALLINGTON, THOMAS T., '33, can be addressed at Box 1246, Memphis, Tenn. At the present time he is resident engineer on the Bellevue Baptist Church which is under construction.

KAST, RICHARD PAUL, '35, lives at 1212 Lind, Middletown, Ohio.

RHODES, W. CORTLYN, JR., '33, President of Airborne Accessories Corp., Hillside, New Jersey, lives at 33 Edgewood Road, Chatham, N.J. He wants all mail sent to his home address.

HANSON, HORACE B., JR., '38, is in business for himself and the owner of the Hanson Engineering Co. in Birmingham, and lives at 700-8th Terrace W., Birmingham 4, Ala.

MORGAN, PATRICK N., '39, is now at 605 Belvoir Ave., Chattanooga, Tenn.

LIVINGSTON, HERSCHEL N., '40, is application engineer for Minneapolis-Honeywell Regulator Co., Brown Instrument Division, Wayne & Roberts Ave., Philadelphia, Pa. All mail should be sent care of the company.

MAUER, EARL D., '40, is construction superintendent for the John W. Cowper Co., Inc., of Buffalo, N.Y. His home is at 353 Cayuga Road, Williamsville 21, New York.

HEATON, ROY GORDON, '42, is employed as electronic engineer at the laboratory of Electronics, Inc., Boston, Mass., and lives at 14 Barnesdale Road, Natick, Mass.

DWYER, JAMES J., '43, currently employed as technical staff, Supply & Procurement Division, Office of the Chief, Chemical Corps, in Washington, D.C., can be addressed at 1601 Belvedere Blvd., Silver Spring, Md.

McINNIS, ALBERT K., JR., '43, 1st Lt. USAF, asks that mail be sent to Box 3217-USAFIT, Wright-Patterson AFB, Dayton, Ohio.

WEEMS, FRANK TAYLOR, '44, and Miss Kirsten

Lee Borgen were married in Larchmont, N.Y., on September 10, 1949.

STRATTON, CHARLES H., '45, is now with the N.Y. State Commission on N.W.N.Y. Water Supply, and can be addressed at 250 Genesee St., Lockport, N.Y.

CROCKETT, DAVID W., '46, is Flight Test Engineer for Chance-Vought Aircraft Co., in Dallas, and the family address is 218 "D" St. SW, Ardmore, Oklahoma.

SAWYER, WM. H., '46, is mechanical engineer for the Eastern Airlines and may be reached at Apple Orchard Farms, Newton, New Jersey.

SIFE, CHARLES A., JR., '47, asks that all mail for him be sent care of Alabama Power Co., 600 N. 18th St., Birmingham 2, Ala. He is assistant engineer for the company and his home is at 240 N. 78th St., Apt. 3, Birmingham.

BRAY, JOHN, '48, is with General Shoe Co., Nashville, Tenn.

DEMILLER, WALTER E., '48, is a control chemist for Hollingsworth & Whitney Co. in Mobile, Ala., and lives at 26 Macy Place, Mobile 19.

HOVATER, LOUIS R., '48, is engineer for the California State Division of Highways and lives at 2743 26th Ave., Oakland, Calif.

JORDAN, GLEN S., '48, is with U. S. Engineers in Vicksburg, Miss.

WALLACE, MARVIN, '48, civil engineer with Phillips Petroleum Co., Bartlesville, Okla., gets mail at 303½ S. Delaware, Bartlesville.

WAY, WILLIAM J., '48, is employed by the California State Division of Highways and may be addressed at 2562 Montana, Oakland, Calif.

WHEELER, ROBERT HENRY, '48, Min. Engr. is with Alabama By-Products Co., Praco, Ala.

ACKER, RICHARD N., '49, is industrial engineer for the Packard Electric Division of General Motors at Warren, Ohio. Mail should be sent to 1019 North Park Ave., Warren.

MOXLEY, STEPHEN D., '49, Arthur W. Blackman Jr., '49, and Allen L. Cudworth '49, are all graduate students at M.I.T.

SHOFNER, RALPH B., '49, civil engineer is employed by the W.F. Jackson Co., 535 American Life Bldg., Birmingham, Ala.

WALLACE, WINSTON L., '49, is with Lockheed Aircraft Co. and lives at 423-South 6th, Burbank, California. On May 1, 1949, he was married to Miss Gladys Pauline Hubbard in Walnut Ridge, Ark.

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PLANTE, THOMAS W., '23, is in Chile, S.A., to help complete and then operate a new steel

mill at Huicipato being installed by Cia de Acero del Pacifico. He is superintendent of

- blast furnaces and raw materials. Mail should be sent in care of the company, Casilla 1-C, Talcahuana, Chile, S.A.
- CLEMENT, RUSSELL C., '24, has been 25 years with the Wallace & Tiernan Co., in Belleville, N.J., being Eastern Div. Mgr. Home is at 75 Overlook Terrace, Bloomfield, N.J. Last fall he was honored by a dinner given by his associates in the company.
- GRIGGS, THOMAS N., '24, has been elected to the board of directors of G. C. Murphy Co., in Pittsburgh, Pa. Home is on Coraopolis Rd., Pittsburgh, Pa.
- LOUGHERY, THEODORE F., '24, is with the Surface Combustion Co. in Toledo, Ohio, 2375 Dorr St.
- FENCIL, WILLIAM M., '25, and wife have just spent 3 months by airplane visiting various South American countries. In 1948 he sold the manufacturing company he had founded and is retired for the present at his home in Crystal Lake, Illinois.
- CARTER, CHARLES K., '31, is sales engineer for the Acme Industries Inc. and lives at 1001 Thompson, Jackson, Mich.
- DODGE, JAMES H., '31, has his home at 1108 Auduban Rd., Grosse Pointe Park 30, Mich.
- EVANS, HENRY P. JR., '32, gets his mail at 1821 N. Harding, Altadena, Calif.
- CLINGERMAN, JOHN W., '33, staff assistant in the Sales Department of Carnegie Illinois Steel Co., in Pittsburgh, lives at 150 Inglewood Drive, Pittsburgh 16.
- OWENS, W. A., '34, lives at 3849 West Pine, St. Louis, Mo. He is with Sverdrup & Parcel, Inc., Consulting Engineers and serves as a Senior Mechanical Engineer.
- KURA, JOHN G., '38, is a research engineer for the Battelle Memorial Institute, King St., Columbus.
- SHAFFER, WILLIAM K., '38, Major USA is stationed in Wiesbaden, Germany, but hopes to be back in the States in 1950.
- MARGERUM, GEORGE M., '42, is a construction engineer with Johnston-Winston Co., Pickstown, S.D.
- NEAS, ROBERT E., '44, is living at 9136 Shelley, Overland 14, Mo.
- SCHACHER, DANIEL L., '45, has moved to 166 B Donor Ave., East Paterson, N. J.
- NICHOL, DAVID L., '47, is studying for his Masters in Chemical Engineering at the University of Michigan and lives at 523 Mack Road, Ann Arbor.
- MORRISON, HOWARD, '48, reports the birth of Wendy Williams, on May 12, 1949, in Kensington, Md.

XI

- NOTE, FREDERICK WILLIAM, '23, is assistant district engineer for Wisconsin Public Service Co., Bellin Bldg., Green Bay, Wis., and lives at 805 South Clay St., Green Bay.
- RASMUSSEN, CLARENCE FISHER, '23, is engineer of warehouses and distribution, Pabst Sales Co., 221 N. LaSalle St., Chicago, Ill., and lives at 1937 Chestnut St., Wilmette, Ill.
- STROTHMAN, EDMUND PENNEL, '23, is consulting industrial engineer for the A. O. Smith Co., Room 814, 310 South Michigan Ave., Chicago 4, Ill., and lives at RR2, Old Dundee Road, Barrington, Ill.
- BAUER, CHARLES AUGUST, '24, is Vice President in charge of development Hoosier Cardinal Corp., Eichel Ave., Evansville 7, Ind., and lives in Newburgh, Indiana.
- BREED, BOWMAN KNIGHT, '24, is engineer for the Preferred Utilities Mfg. Corp., 1860 Broadway, New York City, and lives at 110 6th St., Garden City, N.Y.
- MOGG, JEREMIAH OWEN, '24, is treasurer of the Metropolitan Coal & Oil Co., 1007 Mass. St., Indianapolis, Ind., and lives there at 6345 Washington Blvd.
- RITCHIE, WILLIAM EDWARD, '24, is special agent for the Mass. Mutual Life Ins. Co., Tenney Bldg., Madison, Wis., and lives there at 840 Farwell Drive.
- BREITENBACH, GEORGE CHARLES, '26, is district manager for the Trane Co., 1617 Penn Blvd., Philadelphia, Pa., and lives at 519 Cynwyd Circle, Bala-Cynwyd, Pa.
- CHAPMAN, THERON T., '26, is president of the Riverdale Products Co., 73 E. Wacker Drive, Chicago, Ill., and lives at 515 Essex Road, Kenilworth, Ill.
- MARTIN, WESLEY G., '26, is manager of the Glass Coating Division, A. O. Smith Corp., Milwaukee, Wisconsin, and lives there at 6054 N. Kent St.
- MURPHY, WILLIAM BEVERLY, '28, is executive assistant to the president of the Campbell Soup Co. in Camden, N.J., and lives in Gladwynne, Pa.
- NEITZ, RICHARD KARL, '28, is assistant to the executive vice president of the Kimberly-Clark Corp., Neenah, Wisconsin, and lives there at 665 Congress St.
- STOWERS, JAMES CALER, '28, is the owner of the Southern Motor Service, 111 South Broadway, Natchez Miss., and lives there at 11 Roselawn Drive.
- PETERSON, WILBUR J., '29, is assistant city engineer for the City of Madison, City Hall, Madison, Wisconsin, and lives at 815 Hiawatha Drive, Madison.
- PIPER, GEORGE W., '48, lives at 548 N. Dearborn, Indianapolis 1, Ind.

OMICRON

METZLER, DONALD EUGENE, Hon., is assistant professor of Hydraulics at the University of Iowa, and lives at 222 Melrose Ave., Iowa City, Iowa. He is a graduate of Kansas.

ASHTON, GEO. C., '23, formerly of Villa Park, Ill., is now superintendent of Bridges and Buildings for the city of Milwaukee, Wisconsin.

NIELSEN, EDWIN GEORGE, '26, is regional planning engineer for the U.S. Bureau of Reclamation in Boulder City, Nevada, and lives there at 521 Ave. K.

VAN VORP, DICK, '26, who is with the Department of Subways and Superhighways, 20 N. Wacker Dr., Chicago 6, Ill., is engaged to speak at the Iowa City Engineers Club on the night of May 8.

CARLSON, AL, '27, is president of the Chamber of Commerce at Oskaloosa, Iowa.

ARVIDSON, PAUL G., '30, is chief engineer of Station WOC and Technical Director of WOC-TV in Davenport, Iowa.

KRAATZ, LOWELL D., '48, reports the birth of Karen Sue on March 9, 1950. Mail reaches them at Box 213, Evergreen, Colo.

HUDACHEK, RAY, '49, has just finished an 8-month Technical graduate Training Course and has gone to Lima, Ohio, where he is employed in the Engineering Inspection Division of the Lima Refinery. His address is 130 N. Pierce St., Apt. 12, Lima.

O'DAY, CECIL M., '49, announces the birth of a son, Peter Rollin, born March 11, 1950. Since graduation Brother O'Day has been employed by the Water Co. in Iowa City. Home is at 438 W. Benton, Iowa City.

LAZENBY, CHARLES, '50, has gone to Peoria Illinois, with the Caterpillar Tractor Co. His address is Metemora, Ill.

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WEIR, PAUL LATIMER, '23, is equipment engineer in the EE Dept. of the Potomac Electric Power Co., 10th and E St., Washington, D.C., and lives there at Woburn Apts., 1910 Kalorama Road, N.W.

LINVILLE, THOMAS MERRIAM, '26, is now staff assistant to the manager of the Large Apparatus Div. of the General Electric Co. in Schenectady, New York, and lives at 1147 Wendell Ave., Schenectady.

VIA, WARREN W., '29, has left All-American Airways in Washington, D.C., and is living in Rock Hill, S.C., where he is connected with Thomas Tours.

FLIPPIN, OLIVER G., '30, is personnel manager of the Esso Standard Oil Co. at Broad & Market St., Richmond, Va.

BOWLES, JOHN W., '33, gets mail in care of the Chesapeake and Potomac Tel. Co. of Va., Traffic Dept., 703 E. Grace St., Richmond 19, Va.

ARUNDALE, ALFRED G., '39, was the official delegate of the University of Virginia at the inauguration of Harry F. Corbin as president of the University of Wichita in Wichita, Kansas. Al is an engineer at the Boeing Aircraft Corp. in Wichita. Home is at 3401 Elmwood Drive, Wichita.

PETERS, CARL W., '41, and Miss Margaret Friederich of Hammond, Indiana, were married on September 8, 1949. His permanent address is Lynchburg, Va.

BROWN, CHAS. L., JR., '43, has moved to 188 Lakewood Ave., Hohokus, New Jersey.

SCOTT, PETER M., JR., '48, reports the birth of a son, Peter III, born in November, 1949.

DETAMORE, ROBERT M., '49, announces the birth of twin sons on October 30, 1949.

MASSEY, EVAN MORGAN, '49, and Miss Elizabeth Anne Herscher were married on July 11, 1949, in the chapel of the University of Virginia.

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COX, GEORGE C., '17, Lt. Col. USA gets mail at 3711 Washington Ave. SE, Charleston 4, West Virginia.

BONITZ, JOHN H., '20, owner of Bonitz Insulating Co. wants his mail sent to P.O. Box 1289, Greensboro, N.C.

BARBER, B. P., '24, lives at 4210 Trenholm Road, Columbia 39, S.C.

WRAY, GEORGE, '25, is now in Atlanta, Ga., with the South Bell Telephone & Telegraph Co. in the Hurt Bldg.

GRIFFITH, J. E., '26, gets mail at 2535 1/2 Magnolia Ave., Knoxville, Tenn.

LUTHER, R. W., '26, gets mail at Box 56, Elizabeth City, N.C.

STEED, BOYD C., '26, can be addressed at 5525 Long Island Drive, Atlanta, Ga.

SUTTON, E. A., '26, gets mail through Box J, LaGrange, N.C.

STUART, PAUL L., '27, is addressed at Box 806, Badin, N.C.

BARNHARDT, M. L., '29, lives at 912 Main St., Phoenixville, Pa.

ELLIS, H. M., '29, lives at 2706 Hazelwood Drive, Raleigh, N.C.

KOONTZ, KARL K., '29, 44 Main St., Hilton Village, Va.

PARRISH, WILLIAM C., '29, Lt. Col. USAF has been moved from Barksdale Air Force Base in Louisiana, to Belleville, Ill.

- CHERRY, JOHN T., '30, resides at 207 East James St., Tarboro, N.C.
- TIGHE, W. T., '30, lives in Stony Run Lane, Baltimore 10, Md.
- GEOGHEGAN, JOHN T., '31, lives at 1900 Bayard Park Drive, Evansville, Ind.
- GURLEY, J. B., '31, lives at 814 Henry St., Roanoke Rapids, N.C.
- HARTMAN, HORACE H., '31, lives at 1205 Cowper Drive, Raleigh, N.C.
- HODGES, T. L., '32, gets mail at P.O. Box 1108, Baton Rouge, La.
- MANN, CARROLL JR., '32, is an Architectural Engineer in Greensboro, N.C.
- HOUSE, DANIEL M., '33, has offices at 506 Washington Bldg., Louisville, Ky.
- COFFEY, JACK W., '34, gets his mail at Box 1089, Lumberton, N.C.
- ASBURY, LOUIS H., JR., '39, lives at 822 Sedgfield Road, Charlotte 3, N.C.
- BLOUNT, THOMAS H., '40, has moved to 707 Cambridge Ave., Morgantown, W. Va.
- ANDREWS, J. W., '41, lives at 2320 Brandon Road, Wilmington, N.C.
- CLINE, WILLIAM E., '41, gets mail at 921 Woodward Drive, Charleston 2, West Va.
- FOX, HARRISON W., '41, wants mail sent to 2620-8th Ave. North, St. Petersburg, Fla.
- HALSTEAD, BRUCE, '41, is living at 1146 E. 152nd St., Cleveland, Ohio.
- HATHAWAY, JAMES B., '41, now lives in Metuchen, New Jersey.
- GRAY, THOMAS L., '42, lives at 4044 Avalon Ave., Charlotte, N.C.
- LUKE, EDWARD B., '42, gives his home address as 1018 Paul Ave., Schenectady, New York.
- STURKEY, JAMES MILTON, '42, is sales engineer for the N.W. Filter Co., 122 Elliott Ave. W., Seattle, Wash., and lives at 16513 25th Ave., NE, Seattle.
- AUSMAN, ROBERT PAUL, '43, is at 17 Church St., Phoenix, N.Y.
- EPPEL, ROBERTSON, JR., '43, has resigned his position as a chemical engineer in Kingsport, Tenn., and has entered Virginia Theological Seminary in Alexandria, Va., to study for the ministry.
- HETHERINGTON, IRVING JOHNSON, '43, is addressed at 8 Fleetwing Drive, Bristol, Pa.
- KELLY, JAMES FREDERICK, '43, and Miss Helen Frances Golsen were married on November 6, 1949, in Gayettesville, N.C. Home is at 16 N. Boylan Ave., Raleigh, N.C.
- WILLIAMS, LONNIE C., '43, gets mail at Box 6, Salsbury, N.C.
- HEFFERNAN, JAMES A., '44, now wants his mail sent to P.O. Box 1560, care of Sanderson & Porter, Louisville, Ky.
- LAMBETH, JAMES B., '44, is Public Works Director in Raleigh, N.C.
- MENTUS, E. FLYNN, '44, is now assistant district manager of the Carolina Power & Light Co., Sumter, South Carolina.
- WOOTEN, ROBERT E., '46, and Miss Elizabeth Hood Brown of Burlington, N.C., were married on October 15, 1949. He is consulting engineer for Louis E. Wooten & Co., Inc., of Raleigh, N.C.
- BIVENS, ROBERT WILSON, '47, and Miss June Lariene Powers, were married on December 27, 1949. He is with T.V.A. as assistant area operating superintendent with headquarters in Johnson City, Tenn.
- CARR, WM. A., '47, is with E. I. duPont de Nemours in Wilmington, Del.
- HELMS, IRA L., JR., '47, is a mechanical engineer with the NEPA, (Nuclear Energy Propulsion of Aircraft) Division of Fairchild Engine and Aircraft Corp., Oak Ridge, Tenn. He gets mail P.O. Box 197.
- RICH, MARSHALL M., '47, and Miss Mary Willard Dowell were married on November 26, 1949. He is with the State Highway Department in Raleigh, N.C.
- MEARES, MERLIN A., '48, is at 2109 Clark Ave., Raleigh, N.C.
- TEISER, STANLEY A., '48, gets mail at Box 163, Penns Grove, N.J.
- WHITFIELD, GEORGE B., '48, is with Buckeye Cotton Oil Co., Louisville, Ky., 2441 South Floyd St.
- FLANNAGAN, STEPHEN G., '49, is associated with Eric Flannagan in Henderson, N.C.
- HUNT, E. C., JR., '49, is with the Stratton Supply Co., Rocky Mount, N.C.
- LLOYD, ROBERT T., '49, having completed the classroom phase of York Corporation's College Graduate Training Course, will spend a year on the job training as a sales engineer under the supervision of Brother Fred B. Kinley, Gamma '27. The mailing address of Brother Lloyd is 569 W. King St., York, Penn.
- LINN, DUARD C., JR., '50, gives his address as Box 100, Landis, N.C.
- OSBORNE, THOMAS ZACK, '50, and Miss Alice Ann Bannerman, were married on September 10, 1949.

SIGMA

- AMSTUTZ, GORDON M., '27, is now general works manager for the Oil Well Supply Co. (U. S. Steel) in Dallas, Texas. He has been chief industrial engineer at the company's works in Oil City, Pa.
- CAMERON, WILLIAM H., '43, announces the birth of a son, James Stewart, on July 5, 1949, in Doylestown, Ohio.
- SHIMROCK, THOMAS, '47, reported the birth of a son, Thomas C., July 28, 1949, in Cleveland, Ohio.
- BUDDMEYER, HOMER J., '48, and Miss Dor-

othy Jane Burns were married in Columbus on September 3, 1949. Home is in Dayton, Ohio.

SCHIOFOTA, EUGENE, '48, is employed by the Columbus Coated Fabrics Co., Columbus, Ohio.

CZARNECKI, KAMIL BOGUMIL, '49, having received his MSC. at Ohio State, is now tech-

nical advisor to Lemvigh-Muller & Munck (World) Ltd., in London, England.

SCHNEIDER, WILLIAM H., '50, was awarded a Lamme Scholarship of \$40.00 for the current academic year which is given annually to the most outstanding student starting his final year.

TAU

CONTA, BARTHOLOMEW JOSEPH, Hon., is professor of mechanical engineering at Syracuse University and lives at 700 Tulip St., Liverpool, New York. He is chapter advisor at Tau.

CHAMBERLAIN, W. E., '36, has moved to 313 Simmons Ave., Webster Groves, St. Louis 19, Mo.

OERTEL, ROBERT W., '37, can be reached at 209 Chaffee Ave., Syracuse 7, N.Y.

BARNES, DANA H., Jr., '38, lives at 5 Wesley, Newton 58, Mass.

CLAYTON, MANFRED DOUGLAS, Jr., '40, is instructor in EE, University of Connecticut, Box U-37, Storrs Conn., and lives on North Eagleville Road, Storrs.

BROWN, KENNETH R., '41, gives his address as 200 Hickok Ave., Syracuse 6, N.Y.

FOSTER, ROBERT H., '43, is working for the Research Laboratory of the Linde Air Products Co., Tonawanda, N.Y. The Fosters' have two children, the second, Carolyn Sue, was born July 14, 1949. Mail will reach

them at 133 Coventry Road, Kenmore 17, N.Y.

TENEYCK, EDWARD H., Jr., '43, is now with E. I. DuPont de Nemours & Co., in Charleston, West Va. He obtained his Ph.D. in Chemical Engineering at Brooklyn Polytech in 1949.

BLOWERS, JAMES E., '48, sent in a new address. It is 1515 Grant Blvd., Syracuse 8, N.Y.

GNESIN, ALBERT J., '49, is the proud father of a daughter born December 22, 1949. He is with Eastman Kodak Processing Labs at 1712 Prairie Ave., Chicago 16, Ill.

MURPHY, ROBERT, '49, is with the Delco Appliance Co. of General Motors as an engineer-inspection supervisor, but unfortunately no address is available.

NAUBAUER, WALTER, '49, is field engineer with Frederick Socare Co. and lives in Arnold, Mo.

NYE, RODMAN F., '49, is a test engineer with General Electric Co. in Lynn, Mass.

UPSILON

BURTON, EDWARD THOMAS, '29, is salesman for wholesale grocer company and can be addressed at Box 13, Patterson, Ark.

HUCKABY, THOMAS L., '30, is chief of the construction branch Ohio River Division, U.S. Engineers, and lives at 23 Tower Hill Road, Fort Thomas, Ky.

MAY, GEORGE GROVER, '32, is a building contractor and lives at 5241 Edgewood Road, Little Rock, Ark.

CARNAHAN, JOHN H., '33, is consulting engineer in the firm of Carnahan & Johnson, Oklahoma City, Okla.

CLEMMONS, CHARLES B., '33, has moved to 610 West 20th Ave., Pine Bluff, Ark.

WALLACE, V. A., '33, has offices at 1308 First National Building, Oklahoma City, Oklahoma.

DYER, CLAUDE H., '36, is now chief engineer for the Tulsa Rig, Reel & Mfg. Co., Tulsa, Oklahoma.

BAUER, GEORGE, '41, is a civil engineer and lives in Gillette, Ark.

SHACKLEFORD, LLOYD C., '41, is now with General Electric Co., 710 Second Ave., Seattle, Wash.

ADCOCK, WILBUR WALTER, JR., '42, is a chemical engineer and lives at 1442 Annapolis Drive, Corpus Christi, Texas.

BOND, C. H., '42, is resident engineer for Arkansas State Highway Department. Send mail to Marion, Arkansas.

HENDRICKSON, CARLOS C., '42, is switchman for the Pacific Tel. & Tel. Co. He resides at 263 Freemont Ave., Monterey, California.

GARNER, EARL, R., '42, is staff engineer for the Bell Telephone Co. of Pennsylvania. His home is at 429 Robinson St., Braddock, Pa.

ADAMS, JOHN LESLIE, '44, is now at 5810 Hemlock N., Spokane, Wash.

LETH, WALLACE E., '44, is a construction engineer, Dallas, and lives at 1120 Chamberlain Road, Irving, Texas.

BROWNE, HUGH W., '45, is customer engineer for International Business Machines, Dallas, Texas. Send mail in care of company.

FORD, JAMES L., '46, lives at 500 Hazel St., Newport, Arkansas.

SEASLEY, EDWARD R., '46, is design engineer for General Electric, Industrial Heating

Division. Send mail to 17 Front St., Schenectady, New York.

WHELCHER, DON, JR., '46, is in the process engineering department of the Cities Service Refining Corp. and lives at 34 Hibiscus, Maplewood, La.

RAGSDALE, JOHN G., '47, is district engineer for Lion Oil Co. He resides at 337 N. Ninnescah St., Pratt, Kansas.

JOHNSON, G. STANLEY, '47, gets his mail at Box 1401, Little Rock, Ark.

HEDGECOCK, RAYMOND H., '48, can be addressed at 412½ Glenmar, Monroe, La.

LYLE, THOMAS H., '48, is with Stanolind Oil Co. He resides at 1107 N. 12th St., Albuquerque, New Mexico.

POE, HOWELL, L., '48, is air conditioning engineer at El Paso, Texas. His address is 1509 N. Mesa St., El Paso, Texas.

REYNOLDS, JOSEPH E., '48, is chemical engineer for the Thurston Chemical Co. and lives at 203 Moffet, Joplin, Mo.

McFARLAND, DILL, '49, lives at 212 Lincoln St., Falfurrias, Texas.

SNEED, H. G., '49, and Mrs. Irene Gleaves Woodell were married on January 14, 1950, in Lafayette, La.

PHI

DIX, KENNETH W., '31, has moved from S. Court St., to 513 W. Washington St., Sullivan, Ind.

CLAUER, CALVIN K., '49, an electronics sci-

tist at the Naval Research Laboratory, has moved to Apt. 3B, 133 Ivanhoe St. S.W., Washington 20, D.C.

CHI

THORNBURG, PAUL MARCELLUS, HON., Prof. of Mech. Engr. at the University of Arizona, can be addressed at 856 East Luna, Tucson, Ariz.

ANGENYM, FERDINAND GRANVILLE, '34, is recuperating at his home in Mesa, Arizona, from a head injury received in an automobile accident recently.

CLOUD, WILLIAM KENDRICK, '34, is engineer for the U.S. Coast & Geodetic Survey, Seismological Division Field Service, Old Mint Bldg., San Francisco, Calif., and lives at 2542-45th Ave., San Francisco 16.

HOUSTON, GEORGE B., JR., '34, who is fire prevention engineer for the 4th army at Ft. Sam Houston, Texas, lives at 304 Larchmont, San Antonio, Texas.

PONSFORD, GEORGE A., '34, is a member of the general contracting company, Ponsford Brothers, El Paso, Texas.

POWELL, COLLINS MARTIN, '35 is a civil engineer at Sells, Ariz.

CROZIER, WILLIAM M., '36, can be found at 2614 Ensenada Way, San Mateo, Calif.

MICHAELSON, JAMES P., '36, gives his address as Route No. 1, Box 571 A, Annandale, Va.

BABCOCK, HORACE M., '39, is now with the U.S. Geological Survey in Cheyenne, Wyoming.

VANLOO, HERMAN W., '39, is field engineer for the U.S. Bureau of Reclamation and can be addressed at P.O. Box 128, Conchella, Calif.

LOWE, LEWIS WILLIAM, '40, reports the birth of a daughter, Nancy Jane, on July 30, 1949. Lewis is employed with the U.S. Bureau of Reclamation on design work. The family home is at 1020 East Sheridan, Phoenix, Ariz.

McPHERSON, JOHN BARKLEY, '40, Col. USA, says that a daughter, Shirley Jane, was born on August 31, 1949. He is stationed at Carswell, A.F.B., Ft. Worth, Texas.

JOHNSON, JOHN M., '41, in the contracting business in Tucson, reports the birth of a daughter, Lynn Elizabeth, on January 19, 1949.

DIEHL, ALFRED R., '42, of Fort Wayne, Ind., represented the University of Arizona at the inauguration of Pres. McIntosh of Ohio Northern University.

EPLEY, R. H., '42, Lt. Comdr. USN, is in Norfolk, Va.

LYONS, JACK O., '42, reports the birth of a son, Seth, on June 8, 1949, in Oak Ridge, Tenn., where Jack is with the Maxon Construction Co.

PRATT, MORTON E., JR., '42, is now metallurgist for the Round Mt. Gold Dredging Co. at Round Mountain, Nevada.

MYERS, EDWARD J., '43, is working in the sales department of the Ladish Co., Cudahy, Wis., and home there is at 3871 Hammond Ave.

OLBERT, RICHARD P., '43, was married last May to Joyce Leard of Hollywood, Calif., and they have settled down in the "Valley of the Sun." He is employed by the Bureau of Reclamation at present. Mail should be sent to 557 Robin Lane, Mesa, Ariz.

KIERNAN, PETER RICHARD, '46, is an operations engineer with the U.S. Bureau of Reclamation in Yuma, Ariz.

NEWLIN, PHILIP B., '46, is an instructor in CE at the University of Arizona and lives at A-727-N-2nd Ave., Tucson, Ariz.

BRITTAIN, RICHARD LEMUEL, '47, and Miss Lurline Gary were married in October 1949.

VAIL, HERBERT P., '47, field engineer for

- General Electric Co., San Francisco, Calif., lives at 209 Mosswood Way, South, San Francisco, Calif.
- CLELLAND, ROBERT B., '49, can be reached at 23504 S. Anchor, Wilmington, Calif.
- GERRY, CLARK H., '49, is a hydraulic engineer in Tucson, Ariz.
- HALES, JOSEPH A., '49, is in Richmond, Calif., and can be addressed at 401 Tunnel Ave.
- HALL, ROBERT CHAMPMAN, '49, is a civil engineer in Vallejo, Calif., and the family home there is at 1815 Illinois St.
- INGRAM, GERALD E., '49, is assistant county engineer for Pinal County in Florence, Ariz.
- JOHNSON, WILLIAM ALLEN, '49, is a civil engineer with the U.S. Bureau of Reclamation in Lindsay, California.
- KING, EDWIN BROWN, '49, is taking graduate work at Arizona.
- MUSE, JOHN FRANCIS, '49, is a petroleum engineer with the Texas Co., Cut Bank, Montana.
- NORTON, ROBERT LEE, '49, is engineer for the King-Hoover Construction Co. in Phoenix, Arizona.
- OLIVER, WILLIAM HENRY, '49, is a highway engineer with the U.S. Bureau of Public Roads in Redlands, Calif.
- PIETTER, JOHN F., JR., '49, is an electrical engineer with R.C.A. Victor Corp. in Camden, N.J.
- PIERCE, VINTON D., '49, is employed in the production department of Stanolind Oil & Gas Co., Alvin, Texas.
- WILLIAMS, ROBERT ISAAC, '49, is employed as an engineer in Ray, Arizona.
- UPCHURCH, JAMES EDDIE, '49, is a student engineer with Westinghouse, Pittsburgh, Pa.
- VAN FLEET, THOMAS R., '49, is working for the U.S. Vanadium Corp. in Uravan, Colo., as a mining engineer.

PSI

- HANSON, ALVIN MADDISON, HON., is associate professor of geology at the Montana School of Mines and lives in Apt. A, Residence Hall, Montana School of Mines, Butte, Montana.
- MUNZENRIDER, JOHN M., '32, can be located at 219 Blake St., Helena, Montana.
- WOODY, ROBERT J., '33, may be contacted at M.I.T. Mineral Engineering Lab., Bldg. 421, Watertown Arsenal, Watertown, Mass.
- BONNER, EDWARD OWEN, '34, is an Assistant Foreman for the Anaconda Mining Co., and lives at 1215 West Copper St., Butte, Montana.
- GIVEN, WILLIAM P., '34, has been with The Texas Company as their Process Engineer in Wyoming. He is now residing at 1961 S. Cedar, Casper, Wyoming.
- MATTHEW, RICHARD R., '34, is self-employed at Virginia City, Montana, as consulting engineer, civil engineer, U.S. deputy mineral surveyor, and land surveyor.
- MCCRACKEN, GEORGE, '35, is now with the E. J. Keeley Company of Butte. This is a brokerage concern for scrap metals, and George will occasionally be on the road throughout Montana. His headquarters are in Butte.
- WENDEL, CLARENCE ADAMI, '35, is a Foreign Affairs Specialist in the Office of the Undersecretary of the U.S. State Department, Washington, D.C. His home address is 8405 Piney Branch Road, Silver Springs, Maryland.
- JOHNSON, CLARENCE G., '36, is a Mine Foreman for the Andes Copper Company, Potrerillos, Chile, South America.
- WELLS, ROLLIEN RAYMOND, '36, is now Assistant Metallurgist, U.S. Bureau of Mines, Albany, Oregon. He is residing at 1429 Broadway in that city.
- DAVISON, GEORGE A., '37, is general superintendent of the South American Development Co., Casilla 615, Guayaquil, Ecuador, South America. Frank Trask Jr., '36, is with the same company.
- PARKIN, WALTER H., '37, is in South America and his address is Tueman 117 (R34), Buenos Aires, Argentina.
- RAMBOSEK, ALBERT J., '37, is with A.C.M. Co., and lives at 1926 Utah Ave., Butte, Montana.
- SMITH, ROY O., '37, is associate mechanical engineer for U.S. Engineers, Hq. Alaska Dept., Anchorage, Alaska.
- YOUNGBERG, ELTON A., '37, is resident geologist for Howe Sound Mining Co., P.O. Box 7, Holden, Wash.
- BECKSTRON, CHARLES LEE, '38, Lt. Com. USNR, is an officer in charge of U.S. Naval and Marine Corps, Reserve Training Center, Fifth and Ocean Blvd., Santa Monica, Calif.
- CHAMBERLAIN, VIRGIL R., '38, is taking advanced graduate work in geology at Leland Stanford University, Palo Alto, Calif.
- DUYKERS, WOLTER, '38, is now Sales Engineer for Ingersoll Rand in Santiago, Chile. His street address is Casilla 126D, Santiago.
- MITCHELL, WILL JR., '38, can be found at 7260 W. Center, Milwaukee, Wis.
- BOWDISH, FRANK, '39, is now teaching at The University of Kansas, Lawrence, Kansas. He is the Asst. Prof. of Mineral Dressing and can be reached at that address.
- MCREADY, ROY A., '39, was in the Research & Engineering Dept. of A.C.M. Co. but is now with the Independent Tool Co. in

- Butte where he lives at 315 N. Alabama St.
- TOENING, CLARENCE HERMAN, '39, is a research chemist and head of physical chemistry section of the Research Laboratory, Carnegie Illinois Steel Company. His home address is 3425 North Meadowcroft Ave., Pittsburg 16, Pa.
- BARNES, EDGAR DE MARS, '40, Lt. Comdr. USNR, is stationed at VR-6, Westover Air Force Base, Mass.
- COLE, DONALD QUINCY, '40, is with the Fidelity Trading Co., 212 California St., and lives at 1845 Franklin St., San Francisco, Calif.
- CORBETT, ROBERT P., '40, is employed as chief engineer, Leonard Mine, Anaconda Copper Mining Co., and lives at 2032 California Ave., Butte, Montana.
- ECK, LAWRENCE, '40, has moved to 323 Clifton St., Westfield, N.J.
- HUCKABA, JAMES STANLEY, '40, is with Western Machinery Co. in Spokane, Wash., and lives at 1216 West 4th St., Spokane.
- LANG, SHERMAN P., '40, is mining engineer with Foley Brothers Inc., Coalstrip, Montana.
- HUXLEY, JOHN H., '41, research engineer for Universal Zonolite Co., Libby, Montana, has been troubleshooting new plants for the above company in the central states area. John renewed acquaintances in Butte during a two weeks visit in December.
- JOHNSON, THOR W., '41, informed us that his address is LCDR T. W. Johnson, USN, USS Kermit Roosevelt ARG-16, care of Fleet Post Office, San Francisco, Calif.
- ROSTAD, ORA HERBERT, '41, is on a special job as Assistant Geologist for the New York and Honduras Rosario Mining Company at their Rosario Mine in San Juanati, Honduras, Central America. Contact Ora at this address.
- THURLOW, ERNEST E., '41, geologist for the Atomic Energy Commission is now at the Spokane Washington headquarters, S 157 Howard St.
- WILLSON, ROBERT R., '41, resides at 1317 South 15th Ave., Yakima, Wash.
- SLOSSON, WILLIAM LAURIE, '42, is a metallurgical engineer for the Boeing Aircraft Co. 7755 E. Marginal Way, in Seattle, Wash., and lives there at 107-1st Ave. N., Apt. 208, Seattle 9, Wash.
- WINANS, GEORGE D., '42, lives at 409 2nd St., Mullan, Idaho.
- LYDEN, CHARLES J., '46, has transferred to California where he is employed as a geologist by the Idaho-Maryland Mining Company, at Grass Valley. He was formerly employed by the Sampling Dept., Anaconda Copper Mining Company in Butte.
- RAMBOSEK, AUGUST, '46, became the father of a baby boy born January 4th. The Ramboseks are living in Tyrone, New Mexico, where Gus is employed as a mining engineer.
- CALKINS, JOHN B., '47, is pilot mill foreman for Allis-Chalmers Co., Milwaukee, Wis.
- CLOW, BYRON B., '47, is salesman for the Permanente Metals Corp. in Southern California. Home is at 521A West Pomona Blvd., Monterey Park.
- COMBO, XAVIER JOHN, '47, is geologist in the fuels department of the United States Geological Survey in Washington, D.C., and lives at 753-5th St. SE, Apt. 1, Washington 19, D.C.
- DAVISON, GEORGE ALLEN, '47, is with the South American Development Co. as their General Superintendent in Guayaquil, Ecuador. His street address there is Casilla 655.
- KIRKLAND, TERENCE G., '47, is working in the research department of Allis Chalmers Co., Milwaukee, Wis.
- LINDSTROM, CHARLES J., '47, is doing graduate work at Penn State College and lives at 229 South Garner St., State College, Pa.
- MCDONALD, BERNARD T., '47, is an assistant research engineer at the ACM Co. smelter in Anaconda, Montana, and lives there at 620 Chestnut St.
- MILLER, CLINTON LESLIE, JR., '47, would like to see a few Taus out his way. He's a mine foreman for the Hecla Mining Company, Wallace, Idaho, and his home address is 177 King Street in that city.
- NELSON, HARRY, '47, is now geologist for the Aspen Mining Co. in Aspen, Colorado.
- NEWMAN, ALFRED B., '47, is structural designer with the Ideal Cement Co., Trident, Montana.
- NORDSTROM, CLARENCE L., '47, is junior petroleum engineer for the Union Pacific Ry. Co., and lives at 4554 Banner Drive, Apt. 2, Long Beach, California.
- REYNER, MILLARD L., '47, is working for the Montana State Bureau of Mines and lives at 721-A Colorado St., Butte.
- RIPLEY, PAUL M., '47, is an assistant engineer for ACM Co. in Butte and lives at 1944 Grand Ave., Butte, Montana.
- ROLETT, HENRY J., '47, is with ACM Co. in Butte, Montana, and lives at 617 West Quartz St., Butte.
- SMITH, FRANCIS M., '47, has left Metaline Falls, Wash., and is now with the Pacific Coast Borax Co., Boron, California.
- SULLIVAN, ROBERT E., '47, is in the metallurgical research department of the Permanente Metals Corp., Trentwood Plant, Spokane, Wash.
- BLAIR, ARDEN F., '48, is one of the Union Pacific Railroad's Geologists and can be reached at 1525 Main St., Evanston, Wyoming.
- HAND, WILLIAM MURRY, '48, is the mine

- operator at the Maudlen Mine, Dillon, Mont. Bill's address is 8 S. Atlantic St., Dillon.
- WELLS, CLARENCE JR., '48, is now reported to be in the Army Air Corps, rank and address unknown.
- EK, ALVIN E., '49, is a Montana Power surveyor in Butte, Montana.
- EMERSON, BRUCE W., '49, is the Sales Engineer for the Baroid Sales Division of the Nat. Lead Company, Lewistown, Montana. He can be reached at that address.
- FORKAN, RUDOLPH R., '49, is with the Bureau of Reclamation in Hungry Horse, Mont. Rudolph can be reached at that address.
- HITCHCOCK, FRANK J., '49, is a Junior Mining Engineer for Oliver Mining Company, Duluth, Minn. Contact him at this address.
- HOWARD, CARL W., '49, has been one of Permanent Metal Company's Metallurgists and lives in Spokane, Wash.
- IRVING, GORDON E., '49, is associated with Allis Chalmers Manufacturing in Milwaukee. His address is 7610 W. Clarke St., Milwaukee, Wis.
- JOYCE, JOSEPH WILLIAM, '49, started working last summer as a metallurgist for the Vermont Copper Company, South Stratford, Vermont.
- KEENE, HERBERT J., '49, is now Shift Bossing on the hill for Anaconda Copper Mining Company. Herb lives at 627 South Clark St., Butte, Mont.
- WHITMAN, JUDSON HAROLD, '49, is an engineer with the Pend Oreille Mines and Metals Company in Metaline Falls, Wash. He can be reached at that address.

OMEGA

- HERNON, ROBERT M., '30, is now in charge of the U.S. Geological Survey's work in the Silver City, New Mexico, region and mail should be sent to P.O. Box 773, Silver City.
- GAGSTETTER, NOEL, '34, is District Plant Chief for N.W. Bell Tel. Co. in Minneapolis, Minn., and lives at 4200 Branson St., Minneapolis 16.
- BURLESON, WILL, '37, is a district manager for Minneapolis Moline Co., with headquarters in Sidney, Nebraska. His older son was born in Honduras in 1942, and the younger one in Rio de Janeiro in 1945.
- FOSTER, HAROLD, '37, has opened an office as engineer in the Southern Title Bldg., 948 3rd Ave., San Diego, Calif.
- BUUS, HAL, '38, with Stearns Magnetic Mfg. Co. in Milwaukee as Research Supervisor has a new home at 10840 West Godsell Ave., Hales Corners, Wis.
- TRANTINA, JOHN, '38, chief of engineering division, Ft. Randall Area, U.S. Engs., and Miss Sally VanDyke of Omaha were married October 1, 1949.
- FLAIG, NORMAN, '39, is with the Bureau of Reclamation in Oklahoma City and has a new home at 304 West Bradford, Britton, Okla.
- STANLEY, IRA, '39, is also in Minot with the Bureau of Reclamation.
- DAVIS, ROBERT J., '40, has a second son, Roger William, born July 15, 1949. Bob is with Boeing and the family home is at 1051 E. 95th St., Seattle 5, Wash.
- HARDING, CLINTON, '40, is Turn Foreman for the Geneva Steel Co. in Utah. Home is at 725 N. 3rd West, Provo, Utah.
- DONOVAN, DAN, '41, Hydraulic Engineer with the U.S. Bureau of Reclamation received his M.S. at Minnesota in 1949, and is now in Washington, D.C., and living at 3539 Williamsburg Lane, N.W.
- GAMBERG, EDWARD, '42, reports the birth of a son, Eric, on November 1, 1949. Home is at 427 West Pittsburgh St., Greensburg, Pa.
- HILL, ROBERT, '42, remains with S. F. Braun Co. in Alhambra, Calif., and home is at 960 Hurst View, Duarte, Calif.
- HUBBARD, ERLE J., '42, lives at 3224 A. Disston St., Philadelphia 24, Pa.
- BRADY, FRED, '43, is now with Scott Engineering Co. in Watertown, S.D.
- BREVIK, ELMER L., '43, is at the University of Minnesota and can be addressed at the Alpha chapter house.
- REDMON, DONALD, '43, is with the Traux-Traer Coal Co., Minot, N.D.
- SIMPSON, RAY, '43, is metallurgist for Douglas Aircraft and lives at 3369 Hollydale Drive, Los Angeles 39, Calif.
- WINKLER, ROBERT, '43, is Act. Supt. for J. A. Terteling & Sons at Superior, Nebraska.
- BENN, WILLIAM R., '44, gives his new address as Box 522, Genoa, Ohio.
- INGWERTSON, GORDON, '44, is with Aluminum Co. of America but is now located at their new die casting plant in Hillside, Illinois. He is general foreman in charge of all finishing operations. The family home is at 4226 Harvey Ave., Western Springs, Ill.
- ROBERTSON, DAVID G., '46, has moved from Oaklyn, N.J., to 101 E. High St., Haddon Heights, N.J.
- BISCHEL, KENNETH, '47, received his M.S. at Rice Institute and is now teaching at Kansas State College in the Chemical Eng. Dept., Manhattan, Kansas.
- GRIFFITH, WILLIAM A., '47, who obtained his Master's degree at M.I.T. is now an engineer in the research division, New Jersey Zinc Co., Palmerton, Pa. Home is at Apt. 36, 248 Delaware St., Palmerton.
- GRIFFITH, WILLIAM A., '47, lives at 248 Delaware Ave., Apt. 3C, Palmerton, Pa.

- REINECKE, DURWOOD, '47, is with Hassenstein Steel Co. in Sioux Falls, S.D.
- TROMPETER, RICHARD, '47, Ens. CEC, USN, Const. Batt. No. 1309 Kewajalein, gets mail care of Fleet P.O., San Francisco, Calif.
- ELLIOTT, WILLIAM, '48, is relief foreman on blast furnaces in Gary, Ind., and has a new home at 8023 Henderlong Drive, RR6, Crown Point, Ind.
- HIGGINS, MICHAEL, '48, is sales engineer for The Trane Co. in Cleveland and lives at 3865 Riveredge Road, Cleveland, Ohio.
- JONES, ROBERT, '48, announces the birth of a son, Robert Ernest, on January 16, 1950, in Corpus Christi, Texas, where Robert Sr. is with the A.S.&R. Co.
- STRANDILL, BYRON, '48, reports the birth of a son, John David, on September 23, 1949. Byron is with Scott Engineering Co. in Watertown, S.D.
- BOYLE, R. E., '49, is with the G.&W. Elec-

- tric Specialty Co. and lives at 8351 South Maryland Ave., Chicago 19, Ill.
- CHAUNCEY, NEIL C., '49, wants his mail sent to Rosebud, S. Dak.
- DRAGSETH, JOHN, '49, reports the birth of a son, James Anders, born January 8, 1950, in Stuart, Florida, where he is with Whitticar's Boat Basin.
- HUGHES, WILLIAM L., '49, is half-time teacher and taking graduate work at Iowa State College, Ames, Iowa.
- PHIPPS, ROBERT, '49, geologist with Gulf Oil is doing core testing at Ft. Stockton, Texas, but his mailing address is P.O. Box 1150, Midland, Texas.
- PLUMER, WAYNE, '49, reports the birth of a son on August 7, 1949.
- SCHOESSLER, DONALD, '49, is with Eastman Kodak Co. and lives at 144 Devon Road, Rochester 19, N.Y.
- TAYLOR, HARVEY, '49, is with the State Board of Health in Helena, Mont.

GAMMA BETA

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- ANDREWS, WILLIAM T., '44, gives his address as 5402 Connecticut Ave., N.W., Washington, D.C. He writes that he graduated cum laude from law school last June and that he became member of the New York Bar and the District of Columbia Bar. In Febru-

ary of last year he was married.

- JETTON, GIRARD R., '45, is in his third year in the Law School at Harvard University. He married Miss Merna M. Riddell of Washington, D.C., and the family home is 105 Fresh Pond Parkway, Cambridge 38, Mass.
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CARTER, REYNOLDS J., '48, research engineer for Shell Oil Co., can be reached at 6750 Peewess, Houston 4, Texas.

A party of tourists in Arizona came upon an Indian brave riding a pony while his heavily-burdened squaw walked.

"Why doesn't she ride?" asked one of the tourists.

"Because," replied the brave, "she has no pony."

—Mueller Record

* * *

"Girls," said one of the P.T.A. members, "you may think your husbands are helpless, but you should see mine. Why he is so helpless that when he sews a button on his coat or darns his socks, I have to thread the needle for him."

—Industrial News Review

* * *

She made a right-hand turn from a left-hand lane and promptly hit another auto.

The driver got out and accosted her:

"Lady, why didn't you signal?"

"Because I always turn here."

—Sundial

* * *

The old alumnus was disparaging the skill of modern football players.

"When I was in college," he boasted,

"I helped California beat Stanford for three years straight."

"Is that so?" queried the quarterback.

"And which team did you play on?"

—California Pelican

* * *

Diplomacy is the ability to take something and act as if you were giving it away.

—Banking

In reply to a question by an attorney, the witness testified:

"He said that you are a sculptor, but that you should bathe more often."

The attorney scowled and demanded:

"Give me his exact words."

And the witness hesitatingly answered:

"Well, he said that you are a dirty chiseler."

—Two Bells

* * *

Patient (coming out from under the ether): "Doctor! Why are the blinds drawn?"

Doctor: "There is a big fire next door, and I didn't want you to come to and think that the operation wasn't successful!"

* * *

Mr. Dubb — "This party is terribly dull. I think I'll go home."

Miss Sweet — "I'm sure that would remove some of the dullness."

—Snap Shots

* * *

Captain — "Why do you have all the big men in the front rank and the small men in the rear?"

Lieutenant — "It's the sergeant's idea. He used to work in a fruit store."

—Lone Star Scanner

* * *

"I always eat in this restaurant. In many places the waiters grab your plates before you finish eating."

"And they don't do it here?"

"Yes, they do. But the cooking is so bad you don't mind it."

—The Pointer

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