

THE GEAR of THETA TAU

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The GEAR of
THETA TAU



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VOLUME XLVII

NUMBER 1

Theta Tau Fraternity

Founded at the University of Minnesota October 15, 1904

FOUNDERS

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WILLIAM M. LEWIS

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THE GEAR OF THETA TAU

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Southwestern—Robert L. Houston, University of Arizona, Tucson, Ariz.
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Chapters

- ALPHA, Founded October 15, 1904 - - - - University of Minnesota
(Chapter house) 324 Walnut St., S.E., Minneapolis 14, Minn.
- BETA, Established March 26, 1906 - Michigan College of Mining and Tech.
(Chapter house) 1405 College Ave., Houghton, Michigan
- GAMMA, Established November 8, 1907 - - - Colorado School of Mines
Theta Tau Fraternity, Colo. School of Mines, Golden, Colo.
- DELTA, Established May 23, 1911 - - - Case Institute of Technology
Theta Tau Box, Case Institute of Technology, Cleveland, Ohio
- EPSILON, Established May 4, 1911 - - - University of California
Theta Tau Box, Hearst Mining Bldg., Univ. of Calif., Berkeley, Calif.
- ZETA, Established April 17, 1912 - - - - University of Kansas
(Chapter house) 1602 Louisiana Street, Lawrence, Kansas
- IOTA, Established February 5, 1916 - - - Missouri School of Mines
c/o Prof. Ralph E. Schowalter, Mechanical Engineering Department,
Missouri School of Mines, Rolla, Mo.
- LAMBDA, Established April 29, 1920 - - - - University of Utah
c/o Preston Linford, College of Engineering, Univ. of Utah, Salt Lake City
- MU, Established January 3, 1922 - - - - University of Alabama
P. O. Box 3156, University, Alabama
- XI, Established January 13, 1923 - - - - University of Wisconsin
c/o Dr. G. A. Rohlich, 9 Hydraulics Lab., Univ. of Wis., Madison 6, Wis.
- OMICRON, Established February 3, 1923 - - - State University of Iowa
Theta Tau Box, Engineering Building, Iowa City, Iowa
- PI., Established May 26, 1923 - - - - University of Virginia
c/o Thornton Hall, University of Virginia, Charlottesville, Va.
- RHO, Established February 16, 1924 - N. C. State College of Ag. and Eng.
P. O. Box 5282, North Carolina State College Station, Raleigh, N. C.

Chapters (Continued)

- SIGMA, Established November 29, 1924 Ohio State University
(Chapter house) 1946 Indianola Avenue, Columbus 1, Ohio
- TAU, Established December 12, 1925 Syracuse University
Box 128, University Station, Syracuse 10, N. Y.
- UPSILON, Established April 7, 1928 University of Arkansas
301 North University, Fayetteville, Arkansas
- PHI, Established April 21, 1928 Purdue University
(Chapter house) 416 North Chauncey, West Lafayette, Indiana
- CHI, Established April 23, 1930 University of Arizona
840 E. Fourth St., Tucson, Arizona
- PSI, Established May 7, 1932 Montana School of Mines
Box 335, Butte, Montana
- OMEGA, Established March 26, 1932 S. Dakota School of Mines
(Chapter house) 107 Kansas City St., Rapid City, S. Dak.
- GAMMA BETA, Established March 16, 1935 George Washington University
Davis-Hodgkins House, George Washington Univ., Washington 6, D. C.
- DELTA BETA, Established May 20, 1939 University of Louisville
(Chapter house) 2022 S. First St., Louisville 8, Ky.
- EPSILON BETA, Established May 19, 1951 Wayne State University
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Arkansas Study Reveals Student Weaknesses

University of Arkansas freshmen are deficient in reading ability; their spelling is not as good as it ought to be; and they are lacking in knowledge of mathematics fundamentals.

Those are the opinions of University professors and instructors who participated in a survey designed to throw some light on the problem of how to make the University teaching program more effective.

The survey, conducted by Dr. R. M. Roelfs of the College of Education, was carried out in connection with a study of problems relative to articulation between high school and college.

Dr. Roelfs said that estimates on students who experienced little or no difficulty in making the transition from high school to college ranged from 10 to 90 percent. Most of the responses fell between 30-60 percent, he said.

Included in a list of deficiencies listed by the freshmen teachers were a lack of knowledge of basic grammar, a lack of good study habits, and a lack of desire to do academic type work on a high level.

To remedy some of the deficiencies,

the faculty suggested that the size of freshman classes be reduced, that guidance service be expanded, that a "general" college (for students who have trouble deciding what they want to study) be established, that progress of freshmen be reported to high school officials, that the present system of dealing with students on scholastic probation be revamped, and that a course on "how to study more effectively" be required for students doing unsatisfactory work.

Professors and instructors suggested that high schools screen carefully students who are recommended for college, engage in a strenuous program of fundamentals, put more emphasis on English composition, urge students to work to their capabilities, improve the quality of science and math courses, and train students to be more self-reliant.

Dr. Roelfs considers self-reliance a major factor. "If all students who entered the University were more self-reliant, developed a greater sense of self discipline, many of the problems would be solved," he said.

Ray Feierabend Advances

Ray H. Feierabend, Theta '43, has been elected an assistant vice-president of Freeport Sulphur Co., the firm announced. He recently transferred to the New Orleans office to become responsible for developmental work relating to Freeport's Grand Isle offshore project. Brother Freierabend is MGG program chairman for the 1958

AIME Annual Meeting and was a member of the general committee for last year's Annual Meeting in New Orleans. A native of Little Rock, Ark., and a graduate, in 1942, of Columbia University, he joined Freeport as a mining engineer at its Hoskins Mound, Texas, mine.

Mining Engineer

Official Communication from Grand Scribe

November 13, 1957

To: All Members of Theta Tau

It is with regret that I must inform you of the following events.

In August of this year, the Executive Council, in accordance with the Theta Tau Bylaws, officially declared the following men to be suspended from membership in Theta Tau for acting in an unfraternal manner in violation of the oath of membership:

Wallace G. Dempsey,
Theta, Roll No. 374

Frank Louis DiMaggio,
Theta, Roll No. 463

Wesley Joseph Hennessey,
Theta Hon., Roll No. 559

Mario G. Salvadori,
Theta Hon., Roll No. 572

Previously, these four had submitted letters expressing their desire to terminate membership in Theta Tau; and the latter three, Columbia University faculty members, had caused their action to receive rather complete coverage in the public press. All four cited the "white clause" as the reason for their action.

The appropriate course of action for the Executive Council seemed clear, and the declaration of suspension was made without dissenting vote.

Also in August, the Executive Council considered a proposal submitted by one of the active Chapters asking that the Theta Chapter charter be suspended for disloyalty and for violation of the Laws and Customs of Theta Tau. The Council did not adopt this proposal. Instead it voted

to reprimand Theta Chapter for its action on which charges had been brought and especially for promoting the articles which had appeared in the *Columbia Daily Spectator* which were derogatory toward Theta Tau because of its selectivity clause. Again, the decision to reprimand Theta Chapter was taken by the Council without dissenting vote.

Because of the opinion that the reprimand should be delivered personally by a Council representative who is not himself a Theta Chapter alumnus, the reprimand had not yet been delivered when the Chapter took further decisive action.

Theta Chapter recently issued a statement which read in part: "On Wednesday, November 6, Theta Chapter . . . severed completely its membership in and affiliation with Theta Tau . . . and began organizing as a local professional fraternity . . . Although under University policy the chapter has until 1964 to effect elimination of the discriminatory clause, the members feel they can no longer exist under a morally intolerable situation." News of this action appeared in *Columbia University* and *New York papers*, and in a *United Press* dispatch dated November 11.

The appropriate course of action for the executive council again seems clear. With all possible diligence, a proposal will be submitted to the Council asking that it declare the suspension individually of the active members who favored this Chapter action, and the suspension of the Theta Chapter charter.

In each case, the period of suspension will continue until December,

1958, when the Convention will consider ratifying the Council's action, and may vote either to reinstate or to expel the suspended members and to reinstate or to revoke the Chapter

charter if it has been suspended by the Council.

In H & T,
Robert E. Pope,
Grand Scribe

The Engineers' Procurement News Tells How to Fail

Recently we received a letter from Mr. Howard G. Kurtz, Jr., Senior Associate of the management consultants firm of Handy Associates, New York. Mr. Kurtz enclosed a reprint from "Purchase Magazine" which carried the results of a survey of 221 corporate directors, presidents and officers which his organization had questioned on the subject: "Why do Younger Men Fail to Become Top Executives?"

He suggested we pass the information on to our readers because, as Mr. Kurtz says, "We find so few engineers who ever have taken the trouble to develop their own careers."

Following is a condensation of the most salient features of the "Purchasing" article.

Each of the executives "was asked to name the 'five faults most commonly causing executive failure.'"

"Despite apparent diversity in selecting the five reasons why careers fall short of the executive level, there is general agreement that the absence of some qualities leads to failure.

"74% of all replies listed unwillingness to assume responsibility as a reason for failure.

"73% of all replies listed inability to lead others as a reason for failure.

"70% of all replies listed too little initiative as a reason for failure.

"Weakness in one of these areas frequently combined with weakness in others. 52% of all decisions checked

both unwillingness to assume responsibility and inability to lead others. 51% check both unwillingness to assume responsibility and too little initiative. 47% checked both inability to lead others and too little initiative."

(Other results were as follows: 57% of the replies listed inadequate imagination; 51% listed faulty analytical ability; 43% listed poor judgment; 41% listed aversion to hard work; 38% listed frictional interpersonal relations; 29% listed weak business sense; 8% listed lack of integrity and 16% wrote in a special reason not listed on the check list.)

"Note that not one said that failure was due to lack of functional skill in his special field. People weak in the area would have been eliminated further down the ladder. They would not even be up for consideration for a top executive position."

"Among the thirty-six special comments written in as reasons for failure, no general pattern prevailed except in two instances:

a) ten special comments covered the broad subject that men not promoted to executive positions were essentially not interested in the hazards, anxieties and awards of top executive responsibilities.

b) seven special comments covered the broad subject that responsibility for failure rested with management, rather than with the individual."

The Engineers Procurement News

Message from the Grand Regent

How Are We Facing the Problems of Today?

Fifty-three years ago Theta Tau was founded as a Professional Engineering Fraternity. As one of the Founders has stated, "—national and world conditions have changed might-

measure itself—what are you doing?

—Educational Meetings? —Counseling High School students about the profession? —Inspection trips to engineering projects? —Cooperation in



Regent Len Kitchen

Dex Hinkley visits Xi Chapter

Pledge Tom Banski

ily since then—" The complications in the world about us suggest that we might well review just how we are doing toward our objectives,—especially in the development of a high standard of professional interest among our members. As stated by P.I.C., we, as a professional fraternity, are supposed, specifically, to promote professional competence and achievement.

Professional interest, competence, and achievement have many aspects. Technical and general education come first, and in these we do well, stressing adequate academic performance. But beyond that,—what do our Chapters do to show that we are a Professional Fraternity? Each Chapter can best

Engineering School projects? — And does any Chapter take the leadership in fostering the honor spirit in their School? All reports from the Chapters show that we are far from successful in carrying out such activities—which are among those recommended by Theta Tau as worthy of our objectives.

One of the most valuable attributes of an Engineer is the ability to get along with others. What do our Chapters do to promote this phase of professional competence? This involves far more than organizing the social life of our members. We speak of producing congenial chapters of men having the same engineering ethics and the same moral and mental

outlook on life. There is nothing special about our ethics, our morals, and our mental outlook. If we are members of the Engineering Profession, these are common to all Engineers. We should take careful note of that Theta Tau Policy which warns us about being clannish and bigoted in our beliefs. And we should individually decide whether or not we "—openly or secretly profess beliefs which are contrary to moral customs, to professional honesty, or to the laws of our country."

As Engineers we are not members

of a trade union, interested in our rights,—inalienable or otherwise. As Engineers we are members of a Profession, and charged with the responsibilities of a Profession. In each Chapter we are far from success. So nationally,—we have a large job before us—to reach the Engineers in over 100 schools where we do not have chapters. We have gone a distance in the first fifty-three years,—there is a long stretch ahead. Let us put forth our best efforts in making Theta Tau truly a *National Engineering Professional Fraternity*.

Word from Past Grand Regent Curtis

Past Grand Regent Donald D. Curtis who has been hospitalized for some time continues at the Sanitorium in State Park, South Carolina. In a Founders' Day Greeting to Founder Erich Schrader he reported an enjoyable two-day visit from his wife and his son's family. Most of the time Don feels fine and can get sufficient exercise to keep in good condition. He feels that while he can not look forward to release in the immediate future that his condition will ultimately be helped by the modern medicines now being used.



Intermountain AA Meets Regularly

The regular monthly luncheon meetings of the Intermountain Alumni Association have been well attended this year. Speakers at the luncheon meetings have included Herbert Meyer, Chief Engineer of Sperry Utah Division of Sperry Rand Corporation, brother Vincent E. Clayton, Chief Engineer of KSL-TV in Salt

Lake City and Brother Verne S. Peck.

The Founders' Day banquet was held October 15, 1957 at Harmon's Restaurant in Salt Lake City and was well attended by both actives and Alumni. Brother Robert I. Merrill, IAA President and Brother Fred S. Thomas were speakers.

General LeMay to Pentagon

Cigar-chomping Gen. Curtis L. LeMay, Sigma '32, BCE '32, became vice chief of staff of the Air Force, beginning July 1.

The man who was responsible for whipping the Strategic Air Command into an ever-ready defense weapon thus moves into one of the top planning posts of the nation's air arm.

Since taking over SAC, he drilled his men and planes constantly. Vital target areas in potential enemy countries were matched by similar areas in this country. SAC planes roared from their bases on a moment's notice, took a circuitous course designed to simulate the long flight into enemy territory, then "bombed" targets by day



"Old Iron Pants" in his favorite seat

The move puts Gen. LeMay in the position where his own views can often be put into effect and where his vibrant personality will do much to influence administration policy on such matters as retaliatory bombing. The LeMay approach has been geared to a constant alert bombing force, one that can strike immediately at any enemy in the enemy's own back yard, "before the bombs start falling in (our) back yard."

and by night while radar plotted the planes' positions at "bombs away." Later, computations checked the accuracy of the bombardiers and LeMay congratulated or chewed according to the results. LeMay-inspired targets were not cities, nor sprawling industrial complexes, nor even buildings. SAC bombardiers were given such targets as the "northeast corner of the four-story building" at such and such

a location. Woe be to the man who missed very far.

Perhaps more security-conscious than any other American commander, LeMay has kept constant check on the many SAC bases, dropping in unannounced to inspect the men and equipment, keeping every man from base commander down to raw recruit on his tiptoes.

He often points out that his capacity for hard, driving work was developed at Ohio State, where he worked 16 hours a day in order to get through school. He financed himself, working nights in a Columbus foundry, attending classes during the day. His engineering training at the University, he says, taught him to go directly to the heart of a matter and to ignore unimportant details.

Much of the SAC operation is secret, but it is known that readiness is the guiding word. SAC planes stand fueled and armed on the flight lines, their pilots only a few fast steps away. Constant alerts check on the speed with which planes and crews become airborne. Constant practice on bombing runs and extended flights in which planes are refueled in mid-air have made SAC the world's finest trained and most expert air arm in the world. It's been LeMay's driving ambition to make SAC just that and to keep it just that. This year's world circling jaunt of heavy SAC bombers showed clearly to the Russians and the rest of the globe that distance is no deterrent and General LeMay's recent jet flight to Buenos Aires revealed the tremendous speed with which retaliating blows can be delivered.

The LeMay obsession for total bombing retaliation may have kept

him from getting the Air Force Chief of Staff post several years ago when Gen. Twining got the nod. At that time, Admiral Arthur Radford was chairman of the Joint Chiefs of Staff and the Radford and LeMay philosophies were poles apart. Admiral Radford felt super aircraft carriers were the best defense weapon. Gen. LeMay contended his bombers could wipe out any carrier task force that might be organized.

Now Gen. Twining has been named to succeed Admiral Radford in the series of moves that will take LeMay from Offutt AFB at Omaha to the cavernous Pentagon. Twining is known to lean toward the LeMay concept of retaliatory bombing.

Thus it is expected that the nation's defense plans will be greatly influenced by the 50-year-old Buckeye who learned to fly military planes four years before his graduation from the University.

He was born in Columbus, Nov. 15, 1906. He graduated from South High School and entered the University, only to leave when he was accepted for cadet training by the Air Corps. He returned to Ohio State in 1931 to complete work for his degree.

He flew fighter planes at Selfridge Field, Mich. before transferring to a bomber squadron in 1937 when the first Flying Fortresses were put into operation. He was co-pilot on a pre-war flight that blazed the trail from South America to Iraq, a route that became a famous supply line during the war.

He worked with B-17's in the European Theater during World War II, developing the famed hedgehog formation that made use of every gun on every plane in flight. German fighter

pilots found it well nigh impenetrable.

Then he led the Superfort attacks on Japan, first from Chinese bases and then from the Mariannas.

Following the war, he operated the Berlin airlift when the Russians closed avenues from West Germany into the isolated German capital.

His numerous decorations include the Distinguished Service Cross, the Silver Star and Air medals, Great Britain's Distinguished Flying Cross and Brazil's Order of the Southern Cross.

He has purposely kept himself aloof from his men. Once, when a group of colonels invited him to dinner, the LeMay answer was:

"A man should have dinner with friends, and the commanding general has no friends."

A bombardier described the "Cigar,"

as his men affectionately call him, as a man who "is rough, is tough—but what the hell. He gets results."

His secret of getting results is revealed in the directive he gave his staff officers when he went to Germany in 1947:

"I want to see all my key staff officers at least once a day. I want to see all other staff officers at least once a week. Don't bother to knock when you want to see me: Just walk in. If I'm busy, I'll tell you to get out. I want men of action in my organization who can make their own decisions. If you make an occasional wrong one, I'll back you up."

This is the man—unsmiling, serious and seldom-speaking—who will be backing up the Air Force—and the nation.

Ohio State University Monthly

Neil Simpson President of P. & L. Company



Executive positions were changed at the directors meeting of the Black

Hills Power & Light Company on April 17. New President of the firm is Neil G. Simpson, Omega '39.

Neil started with the Company while still a student at Mines. He became General Manager in 1950. As Manager, Neil has continued the policy of using students on part-time employment and has now developed a scholarship and well planned on-the-job training program. By next fall the number of students selected by Neil and his committee will have been increased from four to six. This group is employed during the school year on part-time and are on full time with the Company during the summer. Each holds a tuition scholarship which may be renewed for as many as four years.

"The Hardrock"

Fred Nelson Director of World's Largest Sulphur Company

On March 13 the board of directors of the largest sulphur producing company in the world elected Fred M. Nelson, Gamma '25, a Colorado School of Mines graduate, to be their director.

Brother Nelson, who graduated from Mines in 1925 with an engineer of mines degree, will also continue as chief executive officer of Texas Gulf Sulphur Co.

Shortly after leaving Mines with his diploma, Brother Nelson joined Roxana Petroleum Corp. in Houston, Texas, as party chief of a torsion balance crew. The following year he was employed as a geological scout with the Humphrey Corp., and during 1926 and 1927 he held the same position with the Marlin Oil Co.

In 1927, he joined Texas Gulf Sulphur as a geological scout. A few months after becoming associated with Texas Gulf Sulphur, he was transferred to the production department at Newgulf, Texas. In the next few years, he advanced from drill foreman to field manager and in 1945, Brother Nelson was named executive assistant.

Five years later, in 1950, he was appointed executive vice president of Cia. Exploradora del Istmo, S. A., a Mexican subsidiary of Texas Gulf Sulphur. In 1951, Brother Nelson was elected president and chief executive officer of Texas Gulf Sulphur, holding the position as president until his recent election as board chairman.

During his presidency, the company acquired properties in Mexico through its subsidiary and developed them to sulphur production at Spindletop Dome in Texas; began construction of

a new sulphur mine at Fannett Dome in Texas; acquired leases in the Gulf of Mexico from the state of Texas and during late 1956, exploratory drilling began on some of the sulphur leases offshore from Galveston, Texas; conducted exploration and examination of mineral deposits in the United States, Alaska, and in foreign countries including Canada, Sicily, Italy, Egypt, and Ethiopia.

Keenly interested in research, Mr. Nelson initiated numerous research and experimental projects which Texas Gulf Sulphur either conducted or sponsored. He has invented several devices and methods pertaining to sulphur production, including the "sulphur trap," a patented device that has greatly increased the efficiency of mining operations.

During his tenure as president, the company achieved record production, revenues, and net profits.

In 1952, Colorado School of Mines awarded to Brother Nelson the highest honor that the school can bestow on any graduate—a Distinguished Achievement Award.

Mr. Nelson is a registered professional engineer in both Texas and Louisiana; a director of the Houston Lighting and Power Co., the Houston Symphony, and the Texas Research League; and a member of the American Association of Petroleum Geologists, American Association for Advancement of Science, American Institute of Mining and Metallurgical Engineers, American Ordnance Assn., American Petroleum Institute, Geological Association of Canada, Na-

tional Association of Corrosion Engineers, Mexico Geological Society, Texas Academy of Science, Texas

Natural Resources Foundation, and Texas Water Conservation Assn.
The Mines Magazine

Stanley Learned — "Wheel" with Phillips Petroleum



Born in Lawrence and reared in K. U. surroundings, Stanley Learned, Zeta '24, has become a wheel horse in the mammoth Phillips Petroleum Co. He holds the position as chairman of the executive committee and assistant to the president of that billion dollar organization.

Stan has established an enviable record of participation and leadership in organization. At K. U., he was secretary and president of the student council and at the same time accumulated a scholastic record that admitted him to Sigma Xi and Tau Beta Pi, highest honorary scholastic societies. His social fraternity is Phi Delta Theta.

Going immediately to Phillips after

graduation, he moved up the line through the engineering department taking each succeeding responsibility in stride—chief engineer, 1937; assistant manager, gasoline pipeline department, 1941; manager, defense plant division, 1942; chairman, operating committee, 1944; executive vice president, 1951; and chairman, executive committee, 1953.

Stanley is past president of the Oklahoma State Junior Chamber of Commerce; of the Oklahoma Society of Professional Engineers and the Bartlesville Chamber of Commerce. He is an active leader in the American Petroleum Inst. and other similar professional organizations.

His K. U. activities have been many and continue in full force. He has headed the Bartlesville K. U. Club more than once and acts as a sort of continuing alumni membership chairman. In 1949-50, he served as vice president of the general Alumni Association and brought to the Association an unusual number of forceful ideas. In recent years he has been a tremendous force in getting the Greater University Fund going in Bartlesville and throughout Oklahoma.

Two of his brothers, Albert P. Learned, E'10, G'30, and Edmund Learned, '22, G'25, both are famous K. U. alumni. The daughter of Stan and Mrs. Learned, Ann Learned Fri, attended K. U. and was an outstanding campus leader after the fashion of her dad.

Kansas Alumni Magazine

William E. Franklin Appointed Regional Representative

by C. Robert Franklin

A recent Zeta graduate, William E. Franklin, '57, was the first man to be appointed a Regional Representative of Theta Tau by Grand Regent A. Dexter Hinckley. Brother Franklin's appointment was announced at the Founders' Day Dinner by Brother Hinckley at the chapter house on April 14, 1957. His Region, the Southwestern, will include the states of Kansas, Oklahoma, Texas, and New Mexico.

The position of Regional Representative was created at the 21st Biennial Convention last December. Since then, the duties have been further defined by Grand Regent Hinckley, but they will remain rather flexible in practice.

Extension is to be the primary concern of the Regional Representatives. This is being carried forward by Brother Franklin under the direction of Brother Norman B. Ames, Special Representative of the Executive Council. Bill reports that his Region should prove to yield several new chapters, since Zeta is the only one in the four-state area.

The Regional Conferences to be held next spring will also be of concern to the Regional Representatives. Much planning and organization go into these meetings. Brother Richard Lynch, Grand Inner Guard, will guide this activity.

Chapter relations are also on Bill's list of duties. He reports that he will have occasion to make an official visit to Zeta and help with any of the chapter problems and functions.

To help strengthen alumni ties, new



Alumni Associations are to be formed and renewed efforts made to make them a strong component of our Fraternity. Brother Franklin has his eye on the city of Bartlesville, Oklahoma, where he is employed as a Reservoir Engineer for Cities Service Oil Company. There are many Zeta alums in this city.

Bill, while an undergraduate, was quite active in Zeta Chapter affairs and on the K. U. campus. He served as a member of the Advisory Board several times, as Vice Regent, two terms as Regent, and as Interim Chairman for the Pledging Procedures Committee of the 21st Biennial Convention. He also published *Theta Tau on Your Campus*, a booklet designed primarily for extension purposes. Currently, he is editing a Pledge Trainer's Manual for publication later this fall.

His wife, Marge, serves him now as

an irreplaceable secretary and organizer of his outside activities, although she once "bossed" him as editor of the *Kansas Engineer*. (He later became editor himself).

Palmer Terrell, Upsilon '57, another outstanding Theta Tau, has been appointed Regional Representative for

the South Central Region. Many Zeta men are acquainted with him through Theta Tau Conventions and other organizations. Brother Franklin and Terrell are two of eight men who will "represent" the Executive Council of Theta Tau in defined regions of the nation.

Women Engineers' Banquet Held at Zeta

by George Dodd

Zeta Chapter's second annual Women Engineers' Banquet was held March 28 at the chapter house. On that evening we invited all of the women engineers enrolled at K. U. to a five course high society banquet in our dining room. Each of the girls was escorted by one of the boys. He picked her up, escorted her to dinner, and

saw that she was returned home. After introductions were completed and all of the girls had met Mother Walters, we went into the candlelit dining room for a magnificently prepared dinner. After dinner the girls were escorted back to the living room for a group picture. Shortly thereafter evening activities and studies beckoned and an enjoyable time was brought to a close.



Women Engineers attending second annual banquet in their honor

Robert Tabors, Veep and G.M.

Advancement of Robert G. Tabors, Delta '35, to vice-president and general manager of the Baldwin-Lima-Hamilton Corp.'s electronics-instrumentation division, Waltham, Mass., was recently announced. In 1937, after receiving his master's degree from Case Institute, Tabors joined the testing machine and instrumentation department at the Eddystone division. A sales engineer in the Chicago, Illinois office before the war, Tabors returned to B-L-H as sales manager at Eddystone for hydraulic presses and power tools. In 1954 he was made assistant manager at the Hamilton division. He was elected vice-president in 1955.



Case Alumnus

Distinguished Achievement Award to Two Gamma Men

Alden S. Donnelly, Gamma '28, recent recipient of an Alumni Achievement Award, was cited as follows: "His schooling was interrupted for work as surface geologist and instrument man with Honolulu Oil Corporation. Following his graduation he served as both hard rock consultant and petroleum exploration geologist. Early affiliation with the Honolulu Oil Company was resumed in 1928 and he has held various executive positions with that company, becoming vice-president, director and manager of Honolulu's Mid-Continent division. Member of many professional societies, he serves as advisor in a great variety of professional and teaching committees and commissions. He is

the author of a number of articles on oil development."

On the same occasion Alfred R. Flinn, Gamma '13, received this citation: "After graduation he began his career as a surveyor with the Iron Mask Mine in Gilman, Colorado. His engineering abilities carried him to Montana, Nevada and back to Colorado where his work as engineer and mine foreman at Gilman for the Empire Zinc Company was interrupted by World War I. After service he went to New Mexico for the Empire Zinc Company in barite and zinc operations. His present position is eastern manager of mines for the New Jersey Zinc Company. He is a member of many professional societies."

The Mines Magazine

Past Grand Regent Russell Sigma Xi Lecturer



It was announced yesterday by Dr. F. M. Carpenter, director of lectureships of the Society of Sigma Xi, that Dr. Richard J. Russell, Epsilon '19, professor of geography and dean of the Graduate School at Louisiana State University, will begin a two month lecture tour for the Society as national lecturer.

Dean Russell's tour will take him to about 25 college and university chap-

ters of the honorary scientific society in seven states.

Speaking on "The Instability of Sea Level," he will lecture first at the University of Tennessee. He will also speak at the following universities: Ohio State, Notre Dame, Michigan State, Michigan, Wisconsin, Northwestern, Illinois, Purdue, DePauw, Indiana, Kentucky, Vanderbilt, Cincinnati and Louisville.

Dean Russell is president of the Geological Society of America, and was last year's chairman of the Division of Earth Sciences of the National Research Council.

He is a member of the panel on General Sciences, an advisory body to

the assistant secretary of defense for research and development, as well as of the panel on Earth Sciences of the National Science Foundation. In 1953, Dr. Russell was president of the Conference of Deans of Southern Graduate Schools.

R. W. Cocayne Locates in Kansas City

Working for Kansas City Power and Light is an Alumnus of Iowa's College of Engineering, R. W. Cocayne, Omicron '49. Brother Cocayne is married and the father of three children; Kevin, Jeffrey and Dennis, nine, four and three.

Cocayne graduated from Iowa in 1949 as a Mechanical Engineer major. While at Iowa he was affiliated with Theta Tau.

Brother Cocayne has been employed as a design engineer since leaving school. His first job was with United

Light at Davenport, Iowa and at the present time he is with Kansas City Power and Light Company.

As a civic minded citizen he has taken an active part in the Cub Scouts and at the present time is secretary of committee of Pack 120. He is also associated with the A. S. M. E. as a junior member.

For recreation, Brother Cocayne finds golf or bowling constructive diversions.

Iowa Alumni Magazine

H. F. Porter to Manage Atomic Corp. Plant

H. F. Porter, Nu '47, has been promoted to manager of engineering at Goodyear Atomic Corporation's plant in Topeka, Kansas. Brother Porter, formerly superintendent of electrical and instrument maintenance subdivision, was a member of the original team Goodyear assigned to start up the Corporation in 1952. He joined Goodyear Tire and Rubber Company as an electrical engineer in 1948.

Carnegie Alumnus



Omega Honors Three Charter Members



Founders' Day Banquet at South Dakota

Members of the Theta Tau fraternity at South Dakota School of Mines and Technology held their 25th Annual Founders' Day banquet recently, and honored three of their local charter members.

Dr. R. L. Sandvig, Omega '45, associate professor of chemical engineering at the Rapid City college, was guest speaker at the event. Dr. Sandvig said leaders in the world have often failed because they were "a nickel short and five minutes late." He advised the fraternity members to "continue to develop the growth of our scientific nation, but also pursue activities outside the scientific field."

Theta Tau, a national professional engineering fraternity, was first organized at the University of Minnesota in October of 1904. The local Theta Tau charter was granted March 26, 1932.

Charter members attending the banquet last night were Earl D. Dake, Omega '24, vice-president of the Rapid City college and head of the civil engineering department; James

D. Bump, Omega '29, director of the museum of geology at the college; and C. M. Rowe, Omega '22, head of the English and social science department. All three men were part of the group that instigated the founding of the local chapter of Theta Tau, and all have been active members in advisory capacities during the past 25 years.

Approximately 50 members of the fraternity attended the banquet, and in addition to the active members, alumni and special guests were invited. Congratulatory telegrams and letters were read during the banquet.

Special guests for the event included Howard Peterson, a former Theta Tau member, a graduate of the Rapid City college, and newly appointed assistant in Tech's personnel office; and Leon Estes, Omega '53, formerly employed in Venezuela, and now working on his masters degree at Tech.

Officers of the local fraternity include Wayne Burke, president, a senior metallurgical engineering student from Sioux Falls; Ken Sunding,

vice president, a Rapid City senior in mechanical engineering; and Charles

Braun, Rapid City, social chairman, and a junior chemistry student.

Stanley Van Voorhis Joins W. S. E. Group

Dr. Stanley N. Van Voorhis, Delta '30, has accepted a position with the Weapons System Evaluation Group.

Explaining the background of the I.D.A., Van Voorhis said, "It goes back to the Unification Act which set up the Department of Defense after World War II over the individual services, joint chiefs of staff and the research and development board. During World War II, the area which has become known as operations research came to the foreground. Each service developed its own group. In 1949, the Weapons System Evaluation Group was set up to advise the joint chiefs of staff. Contract operations were recommended for the group by one of the Hoover subcommittees and the Rockefeller committee. It was felt that the job was too big for any one institution to handle, so five colleges incorporated the Institute for Defense Analysis."

Van Voorhis took his graduate work at Princeton and received his doctorate in physics in 1935. Later that year he went to the University of California to work with Dr. Ernest O. Lawrence on the development of a cyclotron. For two years, he was a National Research Council fellow and for one year was a research associate.

In 1938, Van Voorhis went to the University of Rochester as a research associate in physics. He was responsible for the operations of the institution's cyclotron and artificial radioisotopes materials in bio-physics. When the microwave laboratory at M. I. T. was organized in 1940, Van Voorhis



joined the staff and spent World War II on that assignment. This group eventually became the M.I.T. Radiation Laboratory. Van Voorhis edited one of the books in the radiation lab series.

The physicist returned to the University of Rochester in 1946 as an associate professor and was later advanced to professor. In 1951, he went back to M.I.T. to work on an assignment which later became the Lincoln Laboratory and he was made a division head. Van Voorhis took a leave of absence last year to accept his present assignment with the Weapons System Evaluation Group. His hobbies are woodworking, photography, hi-fi music and square dancing.

Case Alumnus

Inter-Fraternity Council and Rush Week Proved Great for Zeta Chapter

by C. Robert Franklin

Last February 25, 1957 Zeta Chapter was admitted to the Inter-Fraternity council at the University of Kansas. Since then many rewards have come to Zeta for taking this action. We are now better represented on the "Hill" and we have more say in campus activities and policies. We are able to compare our fraternity more closely with the other 28 I.F.C. member fraternities on the K. U. Campus.

The events that we have and will participate in since our admittance are Rush Week, Greek Week, Clean-up Week and the other I.F.C. sponsored functions. Of these functions, Rush Week has proven to be the most successful for our chapter.

For the first time in Zeta Chapter history there was at least one rush party in every major city in Kansas during the summer. While the results of these efforts were not as rewarding as might be expected, they were well worth the contact time. We are now working with these men that we rushed this summer through the I.F.C. Some of our new pledges did come to see us as a result of our summer efforts, however.

No sooner had the summer begun than it was time to return to another year of hard work. The men of Zeta came back to school September 2 to clean the house and make necessary improvements before rush week. This cleaning up period lasted three days and when it ended the house shined from kitchen to dorm. The entire chapter worked as they have never worked before; they were working for

something they believed in and something they wanted very much — to have an extremely successful venture into rush week.

On Wednesday September 4 a last rush party was given in Lawrence for all of the rushees that had been contacted during the summer. This was the day before rush week began and giving the rushees a last look at the Theta Tau's, seemed both desirable and a reward to the chapter for working so hard the previous days. The Lawrence swimming pool was rented and a patio picnic provided both an enjoyable and informal atmosphere.

The next morning was taken up in last minute preparations for the first rushees that would come to visit us at 11:00 A.M. The men seemed more than anxious to get into the competition that exists between the fraternities for the rushees. It was not known exactly what to expect from rush week nor was it possible to determine the number of rushees that we would have to each date. As it worked out we averaged 12 rushees per date over the three day rush period.

During the rush dates the rushees were treated like welcomed guests and old friends. Many of them enjoyed the "Hi-Fi" sets in the house while two or three of our men chatted with them. When the I.F.C. rules permitted us to officially pledge men we went into action with renewed strength and enthusiasm. After each day the men were discussed and voted on so that when they came back for a later date they could quickly be rushed off and given the minute details of being a pledge at Zeta Chapter and the oppor-

tunity to sign our pledge form. This is the standard procedure for almost every fraternity on the K. U. campus and we feel that we are no exception by asking men to pledge blindly and without the entire consent of the active chapter.

We ended the week with a net gain of 9 new pledges all of whom are happy with their choice. The feeling to cut a man from our files because he did not come up to the expectations of the actives was one of the big determining points in our great success in rush week. It is felt that the weeding of bad pledges was done before they were pledged and consequently we ended the week with a much stronger pledge class than if we had pledged just anyone that happened through.

Fortunately we were able to pledge 5 men before the spring semester ended and with the 9 newer pledges from rush week we ended the rush week period with 14 pledges. These

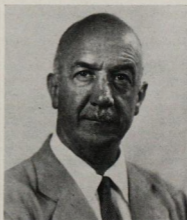
pledges are now on the long road of becoming active members of Theta Tau's Zeta Chapter. If the outstanding character and excellent scholastic records are maintained by these men Zeta Chapter is in for some excellent times ahead.

It is felt that this venture was extremely successful for Zeta Chapter. How else could this be viewed. As it stands now we have gained 9 new pledges and we are able to continue with our regular rushing procedures three weeks after rush week. Few times before has this chapter had 9 pledges during the first 6 weeks of its rushing endeavors. We are continuing now with our normal rushing procedures, which have in the past, yielded the good men that we have now. We have gained the added opportunity of interviewing the men that are interested in being good fraternity members at the University of Kansas.

Charles Dodge Joins Internal Revenue Staff

Charles H. Dodge, Kappa '24, until recently mining health and safety engineer, USBM, Pittsburgh, has been named valuation engineer, Tax Audit Div., Office of Internal Revenue. His assignment is the valuation of mineral properties and plants, with headquarters in Pittsburgh. A past vice-president of the Pittsburgh Coal Mining Institute, he is a member of the National Mine Rescue Assn. and the National Institute of Mine Inspectors. He holds B.S. and M.S. degrees in mining engineering from the University of Illinois, and Carnegie Institute of Technology.

Mining Engineer



Omicron Float Up to the Minute



Omicron entered the Homecoming Float competition with what it thought was the prize winning idea only to have it vetoed. This information reached them on Tuesday and the parade was scheduled for Friday night. However, with true Theta Tau vim and vigor the boys turned to and produced a world around which

cruised a Wisconsin football player, Sputnik, and the shaft, which is annually given to a deserving faculty member. Audible beeps emanated from Sputnik as it cruised around the World. Although hastily constructed, the float drew honorable mention in the humor division.

Brother Robl Receives Trophy from Brother Dealy

The Sigma Tau Trophy for best Engineering Exposition exhibit became the permanent possession of The Petroleum Engineers at K. U. as they won the award for the third straight year.

Frank Robl was chairman of the Petroleum Engineers display, while John Dealy will be remembered as being named outstanding Delegate by the recent Biennial Conclave of Theta Tau.

This is the second consecutive time that the Theta Tau Chapter Delegates have elected a Sigma Tau member and a K. U. Delegate as "Outstanding." This 19-year-old junior in chemical engineering is outstanding also on his campus — as President of Lambda Chapter of Sigma Tau, Treasurer and Pledge Trainer of his Theta Tau Chapter, Business Manager of the *Kansas Engineer*, member of Tau Beta

Pi and Phi Lambda Upsilon, Honor Roll student, and former member of the University Band. Following the Theta Tau Convention, he was appointed as the only undergraduate member of his Fraternity's interim committee studying membership requirements.

The *Kansas Engineer* makes men-

tion of John Dealy as a man of considerable political acumen, but, serving his second term as Business Manager of the *Kansas Engineer* and being a repeat contributor to this publication, along with other major responsibilities, leads us to think he gets things done.

The Pyramid of Sigma Tau

Maurice Bradt After 35-Year Service Yields Post to Brother Thielman

Maurice L. Bradt, Beta '16, has retired after thirty-five years' service with Pickands, Mather & Company. He began his career as a mining engineer in an Arizona asbestos mine, and he went to South America as chief engineer at an iron mine. Following service in the U. S. Navy, he was employed briefly by the Detroit Edison Company in Detroit, then was off again for foreign employment, this time as a mining engineer in the El Salvador silver mines in Central America. Back in the United States in 1920, Brother Bradt became mining engineer at the Penn Iron Mining Company at Norway, Michigan. In 1922 he went to the Mesabi Iron Range as chief mining engineer at the Mahoning Ore & Steel Company (now Pickands, Mather & Company). He was appointed assistant chief engineer in 1925, and in 1928 he became district chief engineer, a position he held until January 1947.

From then until his retirement on last April 1, Brother Bradt held the following positions with P. M. & Company in the Hibbing District: assistant superintendent, assistant to the general superintendent, assistant

general superintendent, and general superintendent.

Succeeding Maurice Bradt, Beta '16, as general superintendent of Hibbing District (Pickands, Mather & Company) is Thomas C. Thielman, Beta '18. He has been general superintendent in the East Mesabi District since 1950.

Brother Thielman's career began on the Menominee Range as a mining engineer for the Loretto Iron Company. Moving on in 1921 to the Vermillion Mining Company, Zenith Mine, at Ely, Minnesota, he was employed as a mining engineer until 1940. That year he went to the Dunwoody Mine at Chisholm as a mine captain and later was promoted to assistant superintendent. Mr. Thielman served as assistant to the general superintendent of the Hibbing District for three years and in 1947 was transferred to the Embarrass Mine at Biwabik as superintendent. He was promoted to general superintendent of the East Mesabi District in 1950, the position he held until his transfer to the Hibbing District on April 1.

Michigan Alumni News

Ralph Kramer Elevated



Ralph E. Kramer, Nu '24, is the new executive Vice President of Hammond Iron Works Company. In his

new post Mr. Kramer will be in charge of general operations and sales for the tank and steel plate construction firm.

Brother Kramer, who is internationally known throughout oil and chemical circles, has been Vice President of Sales at Hammond for the past twelve years. Prior to his association with the company he was engaged in the manufacturing and marketing of industrial supplies for the oil, mining and construction industries in the United States and foreign countries.

Brother Kramer will devote his time between Warren, Pa., and the various plant offices of the company. He and Mrs. Kramer, the former Mildred Lucas, A'24, reside at 15 Orchard Drive, Milbrook, Greenwich, Conn.

Carnegie Alumnus

Zeta's Golden Gate to Success

by Harry Edwards, Jr.

Last spring the theme for the annual Engineering Exposition Archway was a little hazy. It was finally decided to ask Dean T. DeWitt Carr, Dean of the Engineering School, if he would help choose a theme. As usual the "Good Dean" came through in a pinch and gave us an idea. Dean Carr believed that if a person was to succeed in life the three fundamental things needed to start with were: Desire, Determination, and Perserverance. He thought it would be a good idea if we could symbolize these three needs in some way.

After our talk with Dean Carr we came back to Theta Tau, put our heads together and came up with one of the greatest ideas ever. It was de-

cided to build a replica of the Golden Gate suspension bridge and use the base for the suspending towers, piers labeled with the three fundamental needs: Desire, Determination, and Perserverance.

Construction was started and before we knew it we had a mammoth structure 18 feet tall and 72 feet long in our parking lot. Most of the actual construction was done in the lot but there still was a considerable amount of work to be done. The bridge was moved to the front of Marvin Hall, the Engineering Building, and set up. Assembling the bridge turned out to be a big problem but we engineers soon had it solved. After the roadway was suspended, two flashing red lights

were put one atop each tower and the construction was completed.

The impression created by the bridge was terrific. The gigantic structure built on the base of Desire, Determination, and Perservance was

appropriately named the "Golden Gate to Success".

This archway for the Engineering Exposition of 1937 was undoubtedly one of the most successful ever built by Zeta of Theta Tau.



Golden Gate to Success

J. C. Miller Promoted

Appointment of John C. Miller, Delta '26, to the newly-created post of executive vice-president of Skidmore Gear Co., Cleveland, has been announced by President Robert M. Skidmore '35. Miller was also elected to the board of directors of the firm. The new position reflects the continuing growth of the company and better represents Miller's place in the management organization, Skidmore said. Miller has served Skidmore Gear since 1947 in capacities of sales engineer, sales manager and general manager.

Case Alumnus



Palmer Terrell Wins Theta Tau Award



Palmer Terrell, Upsilon '57, Regent 1956-57, was recently named recipient of the Theta Tau Award. This award, which is based on scholarship and leadership on campus, is given annually to the outstanding senior in the college of Engineering. Palmer, an IE from Bauxite, was chosen by a special committee which took recommendations from the different departments in the school; any senior is eligible.

Since entering the University of Arkansas, Palmer has taken part in many activities; he has also done very well scholastically, having a cumulative grade point of 4.43. During his freshman year, he received the Tau

Beta Pi freshman award and became a member of Phi Eta Sigma and Theta Tau.

During his junior year Palmer served as chairman of the Student Union Board. He was also junior engineering senator, assistant editor of the Arkansas Engineer, and a member of Blue Key and Alpha Pi Mu. He was recently selected as the outstanding graduate engineer for 1957.

Palmer has made quite a success of his college career and we wish him continued success in all fields of endeavor.

Upsilon News

Theta Tau Men Receive Commissions

The following members of Theta Tau received their Army Engineer Reserve commission of second Lieutenant, August 2: Louis M. Bonnefond, Gamma '57; Gerald J. Des Jarlais, Omega '57; Bernard C. Leach, Iota '57; Paul Lesser, Gamma '57; Lloyd E. A. Reuss, Iota '58; Timothy

C. Thompson, Gamma '57; and John H. Wilson, Gamma '57.

All of the men were commissioned at Ft. Leonard Wood, Mo. after completion of the summer camp following service in the R.O.T.C. program as undergraduates.



Sinclair Lorain Retires in Alaska

Sinclair Holt Lorain, Beta '17, was guest of honor at a dinner given by the Bureau of Mines' Alaska District staff in June. The occasion was his retirement as the Bureau's assistant regional director for Alaska. Among the guests from the States who went to Juneau for the dinner was Rowland B. King, Beta '16, chief engineer, Exploration Division, Sunshine Mining Company.

Brother Lorain, an outstanding engineer and administrator and long associated with the Bureau of Mines, has been closely identified with mining in the Northwest where he will

engage in prospecting and mining consulting work.

His associates and fellow employees presented him with a depth finder for use on board his new cruiser, and with a set of luggage. To Mrs. Lorain they gave a bracelet-and-earrings set of Alaska ivory, inset with gold nuggets. But perhaps the most cherished gift was a book made up of letters to him from Bureau district officials and others who were unable to attend the dinner, commending him on his achievements during his long career in the mining world.

Michigan Alumni News



Col. Bourret Stationed In London

Lt. Col. A. K. Bourret, Epsilon '41, lives just outside of London in a beautiful hamlet named "Pearley." He is the liaison officer for Marine Corps Aviation on the staff of the Admiral in charge of the Sixth Fleet. During his two years he has made several interesting trips to the Continent and Mediterranean countries. His address is CINCNELM Staff, Fleet Post Office, New York, New York. Brother Bourret is a brother of Weston Bourret, Epsilon '33, who resides at 198 James Avenue, Atherton, California.

New Trade-mark Registration for Theta Tau Badge

Our good brother Raymond N. Matson, Gamma Beta '38, rendered an unusual and significant service to the Fraternity when he processed an application for official Trademark Registration of the Theta Tau Badge recently. Through these efforts we are now in possession of Certificate No. 646,223 testifying to this registration for Theta Tau Fraternity. The document sets forth that this insignia is for "indicating membership in a college engineering fraternity to promote the development and maintenance of a high state of professional interest among its members."

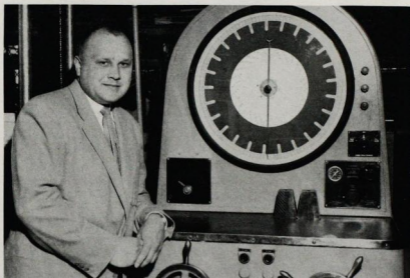
Such registration of insignia is usual among fraternal organizations. It is intended to prevent duplication of our name and insignia on a

local or a national basis by other groups. The present filing, dated May 28, 1957 supersedes a previous registration of November 20, 1928. Under the current law, known as the Trade-mark Act of 1946, our registration will remain in force for twenty years unless cancelled earlier. Cancellation will occur automatically at the end of six years unless the registration is renewed by a filing with the Patent Office one year prior to its expiration of an affidavit showing the mark is still in use, or if not then in use, that its non-use is due to special circumstances and not due to any intention to abandon the mark.

Brother Ray Matson is a Mechanical Engineering graduate of George

Washington University who now conducts a consulting office in Washington, D. C. specializing in patent and trade mark practice.

Harry Nara Heads C.E. at Case



Appointment of Dr. Harry R. Nara, Delta '46, as head of the department of civil engineering at Case Institute of Technology has been announced by Karl B. McEachron Jr., dean of the undergraduate school.

Nara, a native of New York Mills, Minn., has been a member of the faculty since 1946 when he was appointed an instructor.

After completing elementary and high schools in New York Mills, Nara attended the Dunwoodie Industrial Institute, Minneapolis, Minn. He graduated from Case in 1946 and received his Ph.D. in engineering mechanics from Case in 1951. Nara was appointed assistant professor in 1951, associate professor in 1956 and full professor April 1. Since 1955, he

has been chairman of the undergraduate studies committee of the faculty which is in the process of reshaping the school's curricula.

Nara's headquarters are in the Warner Laboratory of Mechanics and Hydraulics, completed in 1928. It houses the offices of the department of civil engineering and engineering mechanics.

During World War II, Nara served in the U. S. Navy in the United States and in the South Pacific. He is a member of Theta Tau, Tau Beta Pi and Sigma Xi fraternities. He is active in the Class of '46 reunion programs. Dr. and Mrs. Nara have three children and live in Novelty.

Case Alumnus

Tom Ralston Becomes Works Project Engineer



Thomas E. Ralston, Nu '40, has been appointed works project engineer for Harbison-Walker Refractories Company, Pittsburgh. In his new position, Brother Ralston will be responsible for the coordination of the Operating Department with the Engineering Department on all engineering problems. Prior to joining Harbison-Walker, Brother Ralston was employed by the Pennsylvania Railroad. He has been with the company since 1946, serving as engineer and project engineer in the company's Engineering Department before his recent appointment.

Carnegie Alumnus

Bent of Tau Beta Pi Awards Lambda Man

It is the happy custom in Tau Beta Pi to award a prize to every thousandth Bent life subscriber. The prize is the winner's choice of Tau Beta Pi jewelry. It is also our pleasure to make a special announcement of each thousandth winner in these pages and to tell our readers about him.

Life Subscriber No. 8,000 is John C. Schreiner, Lambda '58, a mechanical engineering junior at the University of Utah. As soon as he was initiated on March 8, John ordered his life subscription. To his surprise and delight it turned out to be No. 8,000.

John was born in Los Angeles, Calif., in 1933. Always fascinated by the professions of his musician father and his engineer grandfather, he started playing church organs at seven but later found his musical interest competing with a desire to study business and engineering. At the suggestion of former Dean A. L. Taylor,



John is combining the two—studying engineering as a profession and following music as a hobby.

He entered the University of Utah in 1951, adding classes in economics, speech and languages to his mechanical engineering curriculum. The years 1953-56 were spent in Germany as a missionary for the Mormon Church. He supervised the activities of 15 mis-

sionaries and 8 congregations in the Frankfurt district. Music caught up with him there too, in the form of a special invitation from the chief chaplain of the U. S. 12th Air Force asking John and a violinist friend to present piano-violin concerts at 30 American air bases in Germany and France. John also visited several European offices of the Eimco Corporation with whom he had previously been employed.

He stands 6' 7" tall, serves as church choir director, treasurer of his chapter of Theta Tau, and as a writer for the

campus newspaper. He is also a member of Pi Tau Sigma.

Tau Beta Pi thanks and congratulates Brother John C. Schreiner, Bent life subscriber No. 8,000! John says that "it is a pleasure for me to join the ranks of 7,999 other members who not only recognize the great saving which the life subscription offers, but who also hold their membership in special regard and are anxious to always be fully informed of the society's activities through *The Bent*."

The Bent

Zeta Chapter Holds 45th Anniversary Celebration

by Eldon Benso

Zeta Chapter's 45th Anniversary Celebration was observed this year by a dinner at the chapter house on April 14, 1957. The banquet was one of the most successful held in many years. Present at the dinner were Brothers Grand Regent A. Dexter Hinckley, Grand Scribe Robert E. Pope and two Zeta men who are Past Grand Regents, Brothers Jamison Vawter and Ralph Nusser.

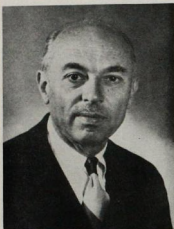
The Banquet and talks after dinner were very enlightening and enjoyable. Much was learned from these men concerning the National Fraternity organization. Also important to Zeta Chapter, Brother William E. Franklin was appointed the first Regional Representative for Theta Tau by Brother Hinckley.

The many returning brothers present gave a true indication of the alumni spirit enjoyed by Zeta Chapter.



Distinguished Theta Taus at Zeta's 45th Anniversary Celebration are: (left to right) William E. Franklin, Regional Representative; Robert E. Pope, Grand Scribe; Jamison Vawter, Past Grand Regent and Delegate at Large; A. Dexter Hinckley, Grand Regent; Ralph W. Nusser, Past Grand Regent and Allen D. Smith, Regent, Zeta Chapter

Felix Wormser Honored Speaker



The Honorable Felix E. Wormser, Theta '16, Assistant Secretary of the Dept. of the Interior, Washington, D. C., was the featured speaker at the

Mining Branch Annual Dinner on Tuesday, February 26, at the Roosevelt Hotel in New Orleans. His topic was *The Government's Role in Mining*.

A 1916 graduate of Columbia University's School of Engineering, Mr. Wormser received the school's highest award for "distinguished engineering achievement," the Egleston Medal, in 1956. He was also awarded the Columbia Alumni Medal in 1953.

Long prominent in mining circles, Brother Wormser was vice president of St. Joseph Lead Co., and has been secretary-treasurer of the Lead Industries Association and the Metal Powder Association. He has served as Assistant Secretary of the Interior since 1953.

Mining Engineer

James E. Walker Graduates from Motor Officers Course

Second Lt. James E. Walker, III, Upsilon '56, recently was graduated from the motor officers course at the Army's European Ordnance School in Fuessen, Germany. After graduation ceremonies, Lieutenant Walker returned to his regular duties as an administrative officer with the 39th Ordnance Company in Verdun, France. The lieutenant arrived over-

seas this May from an assignment at Aberdeen Proving Ground, Maryland. A former employee of the Convair Aircraft Corporation in Fort Worth, he entered the Army last December. Walker is a 1956 graduate of the University of Arkansas and a member of Pi Kappa Alpha, and Tau Beta Pi fraternities.

Alfred O. Paas Graduates from Ranger Course

Army 2nd Lt. Alfred O. Paas, Phi '56, whose wife, Deloris, lives at 4931 W. 15th St., Indianapolis, recently was graduated from the Infantry School's ranger course at Fort Ben-

ning, Georgia. The seven week course included both jungle and mountain combat training. Lieutenant Paas is a graduate of Purdue University.

Advanced by U. S. Steel

Appointment of Charles J. Hunter, Delta '33, as general superintendent of the South Chicago plant has been announced by the U. S. Steel Corp., Chicago, Illinois.

The new executive received his bachelor's and master's degrees from Case Institute in metallurgical engineering. He started with U. S. Steel at the Homestead, Pa., Works as a metallurgical observer in 1935. Hunter was then assigned to the metallurgical department in various supervisory capacities until he was transferred to the Gary, Indiana, Works as a chief metallurgist in 1944. Four years later, he was made division superintendent of the plant's West Mills. In 1952, he was promoted to assistant general superintendent of the Gary Steel Works.

Hunter has been prominent in many civic activities in Gary, among them the advisory board of the Salvation Army, Indiana Society for Crippled Children, board of directors of the Y.M.C.A., vice president of the



Gary Historical Society, Gary Chamber of Commerce, Rotary Club of Gary and the University Club. He is also affiliated with the American Institute of Metallurgical Engineers, American Society for Metals, Association of Iron and Steel Engineers and the Society for the Advancement of Management.

Case Alumnus

Prospect for Prodigies Good at K. U.

The recent wedding of Miss Marjorie Heard and William E. Franklin, Zeta '57, united two members of Sigma Tau, engineering honorary fraternity. Both were January, 1957, graduates of the University of Kansas School of Engineering. The first woman ever to be initiated into Sigma Tau, Mrs. Franklin is a member also of Delta Delta Delta, Sigma Gamma Tau, and Delta Sigma Rho, received the Woman's Badge of Tau Beta Pi, and served as President of the K. U.

Mortar Board Chapter. William Franklin served two terms as President of his Chapter of Theta Tau, as chairman of his fraternity's national pledging code committee, and as President of the K. U. Engineering School Student Council and is a member of Omicron Delta Kappa. Both bride and groom had served as Editor of the *Kansas Engineer*.

To this outstanding couple we extend congratulations and best wishes.

Pyramid of Sigma Tau

Chi Purchases House

by L. D. Clay and Bill Brierly

Chi Chapter of Theta Tau is proud to announce its purchase of a new house. For many years we have not used the money in the Building Fund. Last year the chapter realized that within a short time there would be enough money to make a substantial down-payment on a house. However, the University of Arizona began its expansion program to the north side of the campus. At the time we owned a parking lot in this area; therefore, by the right of domain, the University purchased our lot at the appraised value.

When it became known that the parking lot was to be sold, the chapter was undecided as to what to do with the money. After two meetings we had our choice of two alternatives; one was to buy another lot with the prospects of building a house as soon as finances permitted; the other was to buy a house within the vicinity of the campus. The Building Fund Committee began an investigation of these two possibilities. John Collins, chairman of the committee, was unable to find a suitable lot to meet the first of the two alternatives, but located a house which showed possibilities of the second.

The Faculty Building Committee, composed of E. S. Borgquist, Lambda '11; R. L. Houston, Chi '31; and P. B. Newlin, Chi '46 was consulted as well as the members. After much discussion and thought, a motion was made and passed to give the Building Committees power to start negotiations. Due to much time and effort by the afore-mentioned men, Chi Chapter became the owner of a house.

The house will at present provide comfortable living quarters for at least nine or ten men. The lot is very large, and there is plenty of room for expansion of housing facilities. Instead of the chapter's meetings being held in the Student Union, they are now held at the house which is located at 840 E. 4th Street. The chapter hopes that any alumnus who happens to be in Tucson in the future will stop in and say "hello." This invitation applies to all members of Theta Tau.

A great deal of credit should go to the men who worked so hard to purchase the house: Namely, E. S. Borgquist, R. L. Houston, P. B. Newlin, John Collins, Frank Krenz, and others. The men who prepared the house for living quarters should also be given a pat on the back.

Theta Tau Honored by American Mining Congress

Members of the American Mining Congress elected John D. Bradley, Epsilon '33, of San Francisco, as chairman of the organization's board of governors, Western division.

They also picked San Francisco as

site of the 1958 convention.

Brother Bradley is president of Bunker Hill Co. He succeeds L. F. Pett, Lambda '22, of Salt Lake City, general manager of Utah Copper Division, Kennecott Copper Corp.

Raymond Satterly Becomes General Manager

Raymond D. Satterley, Beta '25, has been named general manager of all Inland Steel iron ore mines, including property under development in Falls Bay, Steep Rock Lake, Ontario. In addition he has been named vice president and general manager of Caland Ore Company, Ltd., Inland's Canadian Mining subsidiary.

Brother Satterly joined the Inland Steel staff following graduation. Starting as an engineer, he became superintendent successively of the Greenwood mines, of the Morris Mines, and of the Menominee Range operations. In 1946 he was named general superintendent of iron mines and in 1953 manager.

He is a member of the American Institute of Mining, Metallurgy, and Petroleum Engineers, president of the F. A. Bell Memorial Hospital, and a



trustee of the Presbyterian Church. For eight years he served as president of the Alumni Association.

The Satterleys make their home in Ishpeming.

Michigan Alumni News

Dean J. D. Forrester Takes Over at Arizona

This past year the University of Arizona has added to its staff another Alumnus of Theta Tau. James Donald Forrester became Dean of the College of Mines there. Dean Forrester was born in Salt Lake City and, in 1928, received a B.S. in Geol. Engr. at Utah. In 1929 he received his M.S. in Geology and in 1935 a Ph.D. in Geology from Cornell University.

While not at Cornell between 1928 and 1939, Dr. Forrester worked for Anaconda in Butte as a Mining Geologist. During the time he was studying at Cornell, he was also on its staff as an instructor and a Professor of Geology.

In 1939 he went to Missouri to head its Department of Mining. Dr. Forrester left Missouri in 1954 to become Dean of Idaho's College of Mines. He remained at Idaho until coming to the University of Arizona in the Fall of 1956.

Dean Forrester is an alumnus of Lambda Chapter of Theta Tau, Sigma Chi and Pi Kappa Alpha. He has also written several books in his field.

Chi Chapter welcomes Dean Forrester to the U. of A. and hopes that he will enjoy his work at the University of Arizona.

E. J. Goodheart Appointed Manager of the Austin Company

Edmund J. Goodheart, Kappa '25, has been appointed manager of nuclear projects by The Austin company, national engineering and construction firm of Cleveland. He also is serving as project manager for the new contract awarded Austin for design and engineering of the Case Industrial Nuclear center, a joint enterprise of Case Institute of Technology and a number of industrial firms.

Brother Goodheart has been with Austin since 1927 and engaged in atomic projects since 1948. At that time he joined the Austin staff at the Argonne National laboratory (AEC) as assistant project manager. Later he was general superintendent and assistant project manager for the AEC's production facility at Rocky Flats, Colorado.

Illinois Alumni News

Howard Pyle to be President of AIME

Howard C. Pyle, Epsilon '26, has been nominated to serve as AIME President-Elect in 1958. Mr. Pyle has been nominated by the Society of Petroleum Engineers of AIME, the Society designated to nominate the 1959 President of AIME. The Society of Mining Engineers will designate the 1960 President and The Metallurgical Society the 1961 President. Born in Williams, Ariz., Brother Pyle graduated from the University of California with a B.S. degree in petroleum engineering and geology in 1926, later obtaining professional and masters degrees in petroleum engineering from the University of Southern California. Chairman of the AIME Petroleum Branch in 1947, Brother Pyle has been serving the Institute as a Director since 1955. President, director, and chairman of the executive committee, Monterey Oil Co., since 1952, he is also director of the American Petroleum Inst. and the Western Oil and Gas Assn. During World War II he served as Captain in the

office of Chief Engineers, and was sent to England on assignment to the General Staff of Supreme Commander Eisenhower. In the early days of the invasion, he was in Normandy to coordinate the initial imports of bulk fuel. Promoted to Lieutenant Colonel in 1944, he returned home after V-E Day. From 1945 to 1947, as vice President, Bank of America, Brother Pyle was in charge of the bank's oil industry loans. He served as president of Continental Consolidated Corp. from 1947 to 1950 before opening his own office as consulting engineer in Los Angeles. From 1951 to 1952 Brother Pyle was president and director of Jergins Oil Co. A member of the Conservation Committee of California Oil Producers Committee, he served this organization as chairman in 1942. Mr. Pyle has had many of his technical papers published by other technical societies as well as AIME.

California Monthly

Elmer Jones Nominated for AIME Directorship

Elmer A. Jones, Alpha '24, first president of the Society of Mining Engineers of AIME, is Manager of Southeast Missouri Div. for St. Joseph Lead Co. He has recently been nominated for a three-year term as Director of the Society.

Born in Minneapolis on August 11, 1902, he attended public schools in his native city and graduated from the University of Minnesota School of Mines in 1924 with a degree in mining engineering. Mr. Jones began his career as an engineer with the Minnesota State Highway in 1924 and in 1925-1926 he worked for what is now part of Tennessee Copper Co. in Ducktown, Tenn.

Brother Jones began his long association with St. Joe in 1926. Before assuming his present position of division manager, he had served the company, successively, as mine surveyor, safety inspector, mine engineer, mine superintendent, and assistant general mine superintendent. During his long career with St. Joe he participated from the very inception of mine mechanization in the district. Two of his AIME technical publications have dealt with this subject and he is considered an authority on trackless mining operations.

Besides his varied career in engineering and his contributions to the professional society, Mr. Jones has been active in civic affairs. His home is in Boone Terre, Mo., where he has



served as a member of his local school board, as well as filling the office of president for seven years. He has been a participant in such diversified groups as the Rotary Club, the Executive Council of Boy Scouts (St. Louis), Rivermines Engineers Club, and the Missouri Athletic Club.

Brother Jones married Celeste Phillips Jones of Rogersville, Tenn., and they have three sons, Stanley Gordon, James Irvin, and John Thomas; a daughter, Celeste Phillips Jr.; and, to date, one daughter-in-law. When not busy with his many professional and civic activities, he enjoys working in his garden—its many tulips and shrubs being his specialty—and occasionally manages to squeeze in a fishing trip.

Mining Engineer

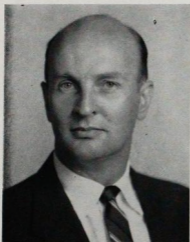
Brother Gora, Epsilon '58, Changes Name

Official notice is hereby given that Brother Mitchell J. Gora, Epsilon Beta

'58, number 98, has legally changed his name to Mitchell J. Hill.

J. O. Maloney New Chapter Adviser for Zeta

by Glenn Kirk



Upon recommendation of Zeta Chapter the Grand Regent has recently appointed Dr. James O. Maloney as Chapter Adviser. He is replacing Professor T. F. McMahon who had previously done such a good job in this capacity. Brother Maloney

is an honorary member of Zeta Chapter and was initiated in 1947.

Dr. Maloney is no newcomer to the K. U. Campus, for he has been here since 1945. He is Chairman of the Chemical Engineering Department, a position he has held since his arrival here. He had previously worked on the "Manhattan Project" where he had been on loan from the Dupont Company.

Dr. Maloney received his degree of Bachelor of Science in Chemical Engineering from the University of Illinois. From Illinois University, he went to Pennsylvania State University from which he received the degree of Master of Science and his Doctorate. He is also a member of Sigma Tau, Tau Beta Pi, Phi Lambda Upsilon, Sigma Xi, and director of the Research Foundation at K. U.

We are confident that under his expert guidance Zeta Chapter will continue to be one of the outstanding Chapters of Theta Tau.

Draft Board Stabs Epsilon Beta

Brother James R. Waldrop, Jr., EE Class of 1958 was duly inducted into the armed services on November 8, 1957. It happens every day of course, but we of Epsilon Beta are especially fond of Jim, our "Most Outstanding Member" for the year 1956-57. Brother Waldrop joined our ranks in the fall of 1954, and he has always put the interests of Theta Tau foremost in his way of life. He was never elected an officer, but he has spent the last three years making his presence felt in every phase of our activities. We would like to take this



opportunity to bid a temporary farewell to a brother who has contributed so much to Theta Tau.

Ken Rogers Theme: "Around the World—"

Kendig Rogers, Omicron '50, majored in Mechanical Engineering and graduated from Iowa in the class of 1950. On August 1, 1952, Rogers left on a three months business trip to Europe and the Far East. He flew via KLM from New York to Amsterdam, Holland, thence via Air France to Paris. From Paris he flew to England and Scotland then by British Overseas Airways he flew to Geneva, Switzerland; Rome, Italy; Beirut, Leb-

anon; Delhi, India; Dhahran, Saudi Arabia and Cairo, Egypt.

Rogers is employed as a field engineer for the Caterpillar Tractor Company of Peoria, Illinois. Brother Rogers is married and has three children. His home is located in Washington, Illinois.

Among his activities at Iowa, Brother Rogers was editor of the *Transit* in 1950.

Iowa Alumni Magazine

William Cravens Completes Combat Training

Private William L. Cravens, Up-silon '56, completed eight weeks of basic combat training June 15 at Fort Knox, Kentucky under the Reserve Forces Act program. Brother Cravens is a 1956 graduate of the University of Arkansas and a member of Sigma

Nu and Alpha Pi Mu fraternities. Before entering the Army he was employed as an industrial engineer by General Electric Co., Schenectady, N. Y. His wife, Mary, lives at 5219 Hawthorne Road, Little Rock, Ark.

WHO'S DUMB?

"Young man in the back of the room," said the prof., "what was the date of the signing of the Declaration of Independence?"

"I dunno."

"Who was Tom Paine?" asked the prof.

"I dunno."

"Well, well," said the prof. "I assigned these questions last Thursday. What were you doing last night?"

"Drinking beer with some of the boys."

"You mean," demanded the teacher, "to stand there and tell me that? How do you expect to pass this term?"

"I dunno, Bud. I just came to fix the steam pipes."

A woman was talking with a friend about the athletic achievements of the latter's son.

"Your boy must be an exceptionally fast runner; I see by this morning's paper that he fairly burned up the track with his record-breaking speed. I suppose you saw him do it?"

"No, I didn't see him do it," replied the boy's mother, "but I saw the track this morning and there was nothing but cinders there."

A truck driver pulled up beside one of those tiny foreign sports cars, stalled on the highway, and poked his head out.

"What's a trouble, pal?" he grinned, "need a new flint?"

Letters To the Editor

2734 Bradley Circle
Falls Church, Virginia

Dear Brother Mercer:

I would appreciate having my name placed on the mailing list for THE GEAR. I had lost contact with Theta Tau completely since finishing N. C. State until I happened to see Brother Thor W. Johnson with a copy of THE GEAR.

I have been in the Navy since completing post graduate work at V.P.I. (M.S. in Ch.E.) in 1940. I'm an "E.D." (engineering duty specialist) and most of my duties have been in the fields of naval architecture and marine engineering though my present assignment in the Bureau of Ships does include chemical engineering. Electronics is a secondary field with me, having been a licensed "ham" for 25 years. My present call is W4DAZ and my wife's call is W4ETR.

I am looking forward to receiving THE GEAR again after all these years.

Yours in H & T,
C. M. Sturkey, Jr.
Rho '39

Happy to restore you to the mailing list,
Brother Sturkey.

135 E. Shaw Hall
E. Lansing, Michigan

Dear Sir:

The following information concerning my career since graduating from the University of Louisville, June 1955, may be publishable.

After receiving the BEE, I joined the Electrical Engineering Department of Michigan State University as a part time instructor. I have been doing graduate work and received the Master of Science in Electrical Engineering this June.

I shall be working for CONVAIR in San Diego, California for the summer, with future plans pending.

Yours in H & T,
Lee Roy Hausman
Delta Beta '55

Yes teaching can still be mentioned as an honorable calling. Brother Hausman! Thanks for the news.

2204 John St.
Pasadena, Texas

Dear Brothers,

I am wondering if I have been put on the lost brother list. I know that the Spring issue of THE GEAR has been published and yet I haven't received one. I

have moved to a new address, but all my mail is being forwarded by the post office. My new address is that shown above.

The reason that I know THE GEAR has been published is that my boss is a brother from Arizona Univ. and he received his almost two weeks ago.

I am with Shell Chemical Corp. in Houston, Texas. My wife (Joan) and I just moved into our new home. I finally received my overdue Master Degree from Ohio State last December.

Here's hoping I'm not on the lost list and will see THE GEAR soon.

Yours in H & T,
Kent R. Shellenne
Sigma '54

Mailing by the P. O. was erratic last year. Brother Shellenne. You are definitely on the list and should receive the magazine as long as we have your correct address.

Dear Sirs:

Surely do want to continue receiving THE GEAR and please accept my apologies for this belated change of address.

At the moment, I am on the payroll of Emerson Radio and Phonograph Corp., assigned as a contractor-technician, working as Chief Chemical Engineer at the U. S. Army Signal Supply Center in Yokohama, Japan.

My address at this time is:
U. S. Army Signal Supply Center,
Far East
APO 503
San Francisco, California

My home address (NOT for mailing purposes) is: 131/1 Takinove, Naka-ku, Yokohama-shi.

Yours very truly,
James J. Dwyer
Mu '43

THE GEAR has had trouble getting through APO stations. Hope this one makes it.

674 Paco Drive
Los Altos, Calif.

Dear Brother Howe:

I received a notice some time ago that my copy of THE GEAR OF THETA TAU had been returned to you, but because I knew a move was imminent, I delayed sending you a mailing address. Now I am settled in the peninsula area south of San Francisco. Will you please send future copies of THE GEAR to me at the above address.

I have just recently been reemployed by

Westinghouse Electric Corporation at their Sunnyvale, California plant. After spending five years with Westinghouse in East Pittsburgh, Pennsylvania and Lima, Ohio, I took a job with an aircraft company in the Los Angeles area for 1 year. I am happy to be back with Westinghouse. I am working as a mechanical engineer on a missile launcher project.

Our third child (and first son) was born about two weeks ago, on September 29, 1957.

Yours in H & T,
George J. Miller
Iota '47

Do you prefer smog to smoke, Brother Miller?

9821 Parkwood Drive
Bethesda 14, Md.

Gentlemen:

Sorry a change of address failed to reach you. I don't want to miss a single issue!

May 1, 1956 I became a Sales Engineer with General Radio Co. in this Washington, D. C. (Silver Spring, Md.) office. My wife and I have a home in Bethesda, Maryland.

Thanks for correcting address.

Yours in H & T,
John C. Held
Gamma Beta '52

Readers like you are our favorite people, Brother Held.

6321 N. Winthrop Ave.
Chicago 40, Illinois

Dear Sir:

This is to notify you that my mailing address has been changed to the above. Please continue to send THE GEAR to me at my new address, beginning at as early a date as possible.

I am now with Armour Research Foundation of Illinois Institute of Technology as an associate engineer in the Propulsion and Fluid Mechanics Department's Gas Dynamics Section. I received an M.S. in applied mechanics from Illinois Tech in 1956. Currently I am project engineer on a one-year contract with the Atomic Energy Commission for the investigation of

the construction and safety of nuclear reactors with respect to the containment of nuclear incident. My business address is Dept. D, Armour Research Foundation, 10 West 35th St., Chicago 16, Illinois.

Yours in H & T,
Thomas A. Zaker
Delta '53

Thanks for the news of your activities, Brother Zaker.

2313 No. Moreland
Indianapolis 22, Indiana

Dear Brothers:

Please note the change of address form enclosed in this letter; I've changed houses but not jobs; I'm still with Allison Division, General Motors Corporation.

I've also been working with a brother from "Beta" chapter who has not received THE GEAR for some time. His address is:

Mr. G. V. Bianchini, Beta '49
5950 Crooked Creek Drive
Indianapolis 8, Indiana

Brother Bianchini has been working on anti-icing investigations with Allison aircraft engines and is quite an authority on the subject.

Yours in H & T,
David L. Webber
Zeta '51

Thanks for your letter. Brother Bianchini should receive THE GEAR in the future.

5453 Grafton Ave., Apt. 1
Cincinnati 37, Ohio

Dear Brothers,

I would like to take this opportunity to forward the change of address notice to you for THE GEAR.

Presently I am employed by the General Electric Co. in the Aircraft Nuclear Propulsion Department at Evendale, Ohio.

I am married now and Karen and I would certainly appreciate having any of my brothers stop by to see us when in this area.

I look forward each time to receiving THE GEAR.

Yours in H & T,
Melvin R. Smith
Omega '57

Cincinnati visitors, please note.

A subway was being dug. A drunk stopped beside the excavation and called down to the man at the bottom of the pit:

"Shay, watcha' doin' down there?"

"Building a subway."

"How long's it gonna take to build it?"

"Three years."

"To heck with it. I'll take a taxi."

In Memoriam

Stanley Lincoln Arnot, Epsilon '13, died January 18, 1957, age 67. He was born in Markleville, California, on December 25, 1889, and entered the University of California where he graduated as a mining engineer and then became supt. of the Plymouth Mine on the Motherlode at Plymouth, Calif. About 1921 he became engineer for the Pacific Lime & Plaster Co., and remained active in the non-metallic field up to the time of his death. For many years he was manager for the U. S. Lime Products Co., at Sloan, California, and finally at Sonora, California. He was highly regarded in that field. Surviving are his wife, Juanita, of Sonora, and a daughter, Mrs. Jean Pursel of Piedmont, California, and two granddaughters.

Lt. (j.g.) Delbert L. Brown, Delta Beta '55, was killed in the crash of a Navy patrol bomber in the Bering Sea off Adak Island in the Aleutians on October 10, 1957. He was 24 years old. Delbert died a hero in the crash, drowning in an effort to save some of his fellow crew members. While in school, he was Regent of Delta Beta Chapter, president of Omicron Delta Kappa, elected to "Who's Who in American Colleges and Universities," and was a member of Sigma Tau and the Eagle & Anchor Society. Upon graduation as an honor Mechanical Engineering student, Del entered the U. S. Navy in which he served until his untimely death. Survivors include a sister and parents, Mr. and Mrs. Maurice J. Brown, 819 Racine Avenue, Louisville, Kentucky.

George Lawrence Browning, Lambda '21, age 58, died of a heart attack November 27, 1956, while on a field trip in northern California. He was born in Salt Lake City on June 25, 1899, but his parents later moved to Ogden and that was his home at the time of his initiation in 1920. He graduated as a Chemical Engineer at the University of Utah in 1921, and he received his M.S. at Mass. Institute of Technology in 1923. After graduation he worked for some years as a Chemical Engineer for Combined Metals Reduction Co., at Stockton, Utah, and then for the Utah State Road Engineer for the U. S. Engineers in Salt Lake City. In 1950 he became laboratory chief for the U. S. Bureau of Reclamation and served in Placerville, Goleta, and finally in Weaverville,

all in California. Surviving are his widow and family now living in Ogden, Utah.

Charles Jesse Davis, Jr., Kappa '21, died January 29, 1957, age 59. He was born in Chicago, Illinois, on December 29, 1898, and graduated from the engineering college of the University of Illinois in 1921. He entered the employ of Armour & Co. in Chicago and at the time of his death was assistant chief engineer. His widow and family survive and the family home was at 10541 South Hayne, Chicago, Ill.

Judson G. Gray, Zeta '23, passed away on October 3 at Chanute, Kansas. Brother Gray graduated in 1923 with a B.S. degree in mining engineering. He was also a member of Beta Theta Pi Fraternity.

Charles Frederic Haglin, Jr., Eta '13, ex Alpha '12, died suddenly in Minneapolis, Minn. on March 4, 1957. He was born in Minneapolis on May 16, 1890, and entered the College of Engineering at the University of Minnesota where he was initiated by Alpha in 1911. In the Fall he changed to the Massachusetts Institute of Technology and was one of the founders, then he transferred to Eta chapter and graduated as a mechanical engineer in 1913. He joined the staff of the Haglin Stahr Co. in 1914 and in 1917 joined the armed forces and was a 2nd Lt. 338th Engineers AEF during World War I. He returned to Minneapolis and organized the engineering and construction firm of C. F. Haglin & Sons Co. with his father. At the time of his death he was chairman of the board of Charles Haglin Sons Co., 123 Bryant Ave., North, Minneapolis, Minn. Surviving are his wife, Isabel, and family. The family home was at Maplewood, Minneapolis, Minn.

Leroy Crain Harman, Pi '23, roll # 1, died December 23, 1956, age 58. He was born in Waynesboro, Va., on October 8, 1898, and graduated as a Civil Engineer from the University of Virginia in 1923. He joined the staff of the C. & O. Ry., and was at Russell, Ky. until 1931 and became District Engineer for Construction at Norfolk, Newport News, and Richmond Terminal, in 1951. Surviving are his wife, Virginia Coleman Harman of Richmond, and his mother Mrs. C. L. Harman of Waynes-

boro, Va., and three daughters, Mrs. Jean Carpenter, Montpelier, Vt., Mrs. Mason Fullerton of Richmond, Va., and Miss Peggy Harman of Richmond, a brother Gordon of Waynesboro, and three grandchildren. The family home is at 3211 Edgewood Ave., Richmond, Va.

Jack Hepinstall, Eta '16, died in Los Angeles on April 27, 1956. He was born in St. Thomas, Ontario, Canada, in 1891. He graduated as a civil engineer at the Mass. Institute of Technology in 1916 and went into building construction in Los Angeles. At the time of his death he was Vice President of the Griffith Company, 1060 South Broadway, Los Angeles. Home was at 902 South Alvarado, Los Angeles, California.

Harold Magnus Holkestad, Gamma '24, died in Denver on April 23, 1957, age 59. He was born in Mandan, North Dakota, July 20, 1897, and attended the Colorado School of Mines where he graduated as a mining engineer in 1924. After graduation he joined the engineering staff of the Ontario Silver Mining Co. in Park City, Utah, and then became one of the mining engineers of Anaconda Copper Mining Co. in Butte, Montana. From 1929 to 1931 he was a service man for the Ingersoll-Rand Co. In 1932 he moved to Grass Valley, California, and worked as a mine superintendent at various properties. In 1937 he joined E. D. Bullard Co. in Salt Lake City, Utah, and was district manager until 1944. At the time of his death he was manager of mining supply sales division for Colorado Fuel and Iron Co., in Denver. In 1926 he was married to Edna Wilson in Park City. Surviving are his widow, two daughters, Mrs. Helen Curro, and Miss Catherine Holkestad, both of Denver, a son, Donald of Akron, Ohio, two brothers, Rolf of Garden Grove, California, and E. T. Holkestad of Helena, Montana, and five grandchildren. He was also a member of Tau Beta Pi.

Burwell Newton Kilbourn, Gamma '13, died July 31, 1957, age 65. He was born in Pueblo, Colorado, on Sept. 29, 1891, and attended the Colorado School of Mines from 1909 to 1913 receiving his E.M. degree in 1913. He worked for the American Smelting and Refining Co. from 1914 to 1929, and then was associated with several investment firms in Omaha. He resigned to become an analyst for the War Production Board, and then joined the Dempster Mill Manufacturing Co. as chief engineer in Beatrice, Nebraska. On June 24, 1914

he was married to Miss Helen Carney of Boulder, Colorado. Surviving are his wife, two daughters, Mrs. Dale Garvey of Arlington, Virginia, and Mrs. Earl Cleveland of Prairie Village, Kansas, a brother, William D. Kilbourn of Pueblo, and five grandchildren.

Zenas Clyde Kline, Delta '10, died March 17, 1957. He was born in Genoa, Kansas, on November 18, 1887, the son of Frank M. and Mrs. Frank Kline. He graduated as a metallurgical engineer from Case Institute of Technology in 1910, and was elected to Tau Beta Pi and Sigma Xi as a student. After graduation he became an engineer for the Fostoria Glass Specialty Co. in Fostoria, Ohio, and in 1914 assistant superintendent of Rhode Island Glass Co., Central Falls, R. I. and lived in Pawtucket, R. I. In 1920 he was promoted to Division Manager of the R. I. Glass Division of the General Electric Co., and then Manager of the Niles Glass Division of the G. E. Co. and lived in Niles, Ohio. At the time that he retired a few years ago he was Manager of the G. E. Co. Electrical Chemical Products Co. in Cleveland, and then he moved to the Center Knoll Farm, R.R. #7, Marion, Ohio. Surviving are his wife, Rhoda, and two children, Hugh in Louisville, Kentucky, and Mrs. Martha Leet of Euclid, Ohio.

Myron Clifford Little, Omicron '26, died August 18, 1955, age 50. He was born in Brooks, Iowa, on May 8th, 1905, and graduated as an electrical engineer from the University of Iowa in 1926. He entered the employ of the Western United Gas & Electric Co. and at the time of his death was District Engineer for the Public Service Co. of Northern Illinois, and made his home in Aurora, Illinois. Surviving are a son and daughter. His wife died several years ago. His parents, Mr. and Mrs. A. W. Little, were from Corning, Iowa.

Vernon Frank Parry, Lambda '22, died December 16, 1956. He was born in Golden, Colorado in 1899 and received his B.S. in Engineering at the University of Utah in 1922 and his M.S. at Carnegie Institute of Technology in 1923. From 1923 to 1930 he was with the Combustion Utilities Corporation, a subsidiary of the Henry L. Doherty Co., and was employed as a research technologist. Then he was professor of gas engineering at the University of West Virginia until 1937. Later he joined the research staff of the U.S. Bureau of Mines and at the time of his

death was supervising engineer and chief fuel technologist for the bureau on the campus of the Colorado School of Mines in Golden. He was the author of over 20 papers on the properties and utilization of coal. Surviving is his wife Buelah R. The family home was at 210 Ash Street, Denver, Colorado.

John Charles Rabbitt, Psi '35, died of a heart attack on June 11, 1957, age 49. He was born in Butte, Montana, November 3, 1907, and was a member of the Alpha Theta local fraternity which became Psi chapter in 1932. He received a B.S. in mining geology in 1935, his M.S. in 1937, both at the Montana School of Mines, and his Ph.D. at Harvard in 1947. After graduation he was for some years assistant geologist of the Montana State Bureau of Mines and then entered Harvard as a graduate student, and was a member of the U. S. Geological Survey. Since 1948 he was with the U. S. Geological Survey in Washington, D. C. At the time of his death he was chief of the trace element section of the United States Geological Survey in Washington. Surviving are his wife, and two brothers James Francis of Houston, Texas and Thomas of Seattle, Washington. The family home was at 1741 Harvard Street, N.W., Washington, D. C.

Fred Vincent Richard, Epsilon '33, died of a heart attack on Sept. 5, 1957, age 45. He was born April 1, 1912 in Kennett, California, the son of Fred W. and Ruth Staley Richard. His secondary education was received in Hurley, New Mexico and Oakland, California. He started to work for the American Smelting and Refining Co. while still a student at the University of California where he graduated as a mining engineer in 1933. After graduation he was named engineer-assayer at the A. S. & R. Co.'s Tombstone, Arizona, mines, and thereafter rose steadily through the ranks. Since 1934 he held the posts of mining engineer, shift boss, mine foreman, and mine superintendent of the Groundhog unit near Vanadium, New Mexico. In 1945 he went to Salt Lake City as safety engineer for this company and traveled for the company in Canada and South America. Then he was transferred to Tucson, Arizona, as manager of the Southwestern Mining Dept. He returned to Salt Lake City in 1953 as manager of the Western operations. On June 8, 1935 he married Margaret Lindus at Berkeley, California. Surviving are his widow, a son, Fred V.

Jr., two daughters, Ann L. and Ruth Richard, all of Salt Lake City, his mother and a brother, J. T. Richard, both of Portland, Ore., and a sister, Mrs. Roberta M. Goodwin of San Francisco, Calif. Funeral services were conducted in Salt Lake City by the Very Reverend Richard Rowland, Dean of St. Marks Episcopal Cathedral. The family home was at 1064 East 4th South, Salt Lake City, Utah.

William Arthur Rigby, Beta '12, died January 19, 1957. He was born in Mason City, Iowa, on June 17, 1885, the son of Joshua Hopkins and Alice Fellows Rigby. He entered Cornell College, Mt. Vernon, Iowa, and received his A.B. in 1905. He then became clerk for the Sawginaw Mining Co. in Norway, Michigan, but in 1909 entered the Michigan College of Mines in Houghton, Michigan, where he received both his B.S. and E.M. in 1912. He worked as a mining engineer for Witherbee-Sherman & Co., Mineville, N. Y., until 1916. From 1919 to 1920 he was with S & B Copper Co., Copper Hills, Arizona, and from 1920 to 1933 was mine manager for Ft. Montgomery Iron Corp., Highland Falls, N. Y. and then Project Engr., National Park Service until 1941, when he became chief Ranger for the U.S.M.A. and retired a few years ago. On December 27, 1919, he married Grace Tunnichiff in Moline, Illinois, and had two daughters, Cornelia and Alice. The family home was on R.D. #1, Highland Falls, New York. He was the senior delegate from Beta Chapter at the first National Convention of Theta Tau in 1911.

Frank Alden Russell, Hon. Zeta, died April 17, 1957, at his home in Lawrence, Kansas, age 77. He was born in Walton, Kansas, on August 10, 1879, the son of James Franklin and Alice Shanks Russell and graduated BSCE from the University of Kansas in 1908. In 1914 he was married in Carthage, Ill. to Minnie Alice Sweeney. From 1904 to 1909 he was with the Santa Fe Ry., from 1909 to 1910 with the Port Arthur Canal and Dock Co., then with the Kansas Southern Ry., from 1911 to 1921 when he joined the faculty at the University of Kansas and was professor of Civil Engineering to 1950 when he retired. In 1948 he received the Fuller Award from the National American Waterworks Ass'n. Surviving are his wife, two sons and two daughters, Robert Alden, Zeta '37, and Laurie Robinson, Mrs. Alice Mullen of Kalamazoo, Mich., and Mrs. Ruth E. Kil-

leen, of Birmingham, Mich., two brothers, Charles O. of Herrington, Kansas, and Clyde E. of Wichita, one sister, Mrs. Louise L. Unruh of Emporia, and ten grand-children. He was also Tau Beta Pi, Sigma Tau, and Sigma Xi, scholastic honor societies. The family home is at 2020 Oxford Road, Lawrence, Kansas.

Charles Mathew Schneider, Gamma '20, died of a heart attack in Guatemala City, on August 2, 1956, age 60. He was born in Colorado Springs, Colo., on October 11, 1895, and graduated at the Colorado School of Mines in 1920, after serving 18 months in the air force of World War I. After 1920 he spent two years in South America in placer mining and examinations. Then he was employed by American Metals Co. in Cuba and the United States Mining Co. in Salt Lake City, and in 1929 went to London for Selection Trust Ltd. where he worked on the mill design of the Roan Antelope, in Africa, and for Trepcu Mines, Ltd. in Jugo-Slavia. He returned to Denver in 1933, and spent the following 12 years mining on his own account in various districts in Colorado. In 1945 he went to Mexico where he designed and built three concentrators. In 1956 he went to Guatemala as General Manager of Cia. Minera de Huehuetnango S.A. and was there only two months before his death. Surviving is a son with Shell Oil Co., in Houston, Texas and his widow living at 2520 Albion St., Denver, Colo.

Wayne Leo Shelley, Lambda '25, died August 30, 1957, age 59. He was born January 25, 1898 in American Fork, Utah, the son of Leo T. and Melissa King Shelley. He served in the armed forces during World War I. For 15 years he lived in Bingham, Utah, and made the original survey for the Elton Tunnel and was the chief engineer for the Anaconda Copper Co.'s Highland Boy Mine. He moved to Salt Lake City in 1942. He graduated as a mechanical engineer at the University of Utah in 1925. For 16 years he was chief of the design section of the Air Force Installation at Hill Air Force Base. On November 21, 1923 he married Mabel Holland. Surviving are his widow, two daughters, Mrs. John Nelson of Concord, California, and Mrs. A. T. Shaw of San Lorenzo, Calif., and one brother James A. Shelley of American Fork, and five grand-children. The family home is at 1895 Park St., Salt Lake City, Utah.

George Llewellyn Shue, Hon. Psi, died March 21, 1957. He was born May 15, 1903, studied chemical engineering and graduated at the Colorado School of Mines in 1926 and received his M.S. there in 1929 and his Ph.D. at the University of Southern California in 1935. He was elected to Phi Beta Kappa and Phi Kappa Phi scholastic honor societies. Almost immediately after graduation in 1929 he joined the faculty at the Montana School of Mines and remained there until the start of World War II. Then he joined the research staff of Cons. Vultee Aircraft Co. in Fort Worth, Texas, and later the Naval Ordnance Laboratory in Silver Springs, Md., and at the time of his death he was with the Convair Division of the General Dynamics Corp., 3165 Pacific Highway, San Diego, California. The family home was at 3552 College Ave., San Diego. The widow and children can be addressed at the College Avenue home.

Martin Francis Tynan, Theta '22, died July 8, 1957. He was born in New York City on October 9, 1898, and graduated as a mining engineer from Columbia University in 1922. For a short time he was in Baltimore and then for many years was in charge of properties for the American Smelting and Refining Co., in San Luis Potosi. About ten years ago he was made district geologist for the company and at the time of his death was with the company in El Paso, Texas. He married Miss Betty Colt of El Paso, who survives with three minor children. The family home is at 4501 Trowbridge St., El Paso, Texas.

Francis Hardy Van Landingham, Rho '52, died November 17, 1956. He was born June 27, 1928, in Wilmington, N. C. the son of Mr. and Mrs. H. C. Van Landingham, living at 1416 West Lake Drive, Greensboro, N. C. He attended North Carolina State College and graduated in 1952. A fine student, he was also a member of Tau Beta Pi, Eta Kappa Nu, and S. & B. He served two years in the Navy and then was employed by the Wright Machine Co., of Durham, N. C. and at the time of his death was research engineer for the Oerlikon Tool and Arms Co., Asheville, N. C. Surviving are his widow, the former Katherine Kelleher, two daughters, Patricia Ann, and Susan Jean, a brother, Hugh Foch, a student at State College and his mother, Mrs. Renee Van Landingham of Greensboro, N. C.

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

OFFICIAL PUBLICATION OF THE FRATERNITY

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EDITOR'S NOTE:

This article by John Dealy, being editorial in nature is printed in lieu of the regular editorial which normally appears here. Brother Dealy brings out the real characteristics of democracy which so many college administrators seem to forget.

On the Selectivity Question

by John M. Dealy, Zeta '58

In recent years we have watched with growing concern the attacks on fraternities. Because of an excellent public relations effort on the part of fraternity leaders, these attacks can no longer be confined to the old charges of foolish and juvenile practices such as pranks in which property is destroyed or "Hell Weeks" in which persons are injured. The latest attacks seem to be the result of a civil rights revolution which has been surreptitiously transformed into a social rights revolution.

"The Supreme Court decision against segregated schools has given impetus to many well meaning people. These confused thinkers cannot distinguish between public matters and private matters."¹

This new attack affects not only

the fraternities, however, but many other groups considered as a traditional part of the American way of life.

"Once the attack upon the college fraternity is successfully terminated it will be followed by similar ones on Freemasonry and other organizations which may in any way be 'selective' in nature, and it is not impossible that they also may be successful."²

The perverted "revolution" is sponsored by several major groups ranging from subversives to misguided dogooders who really don't understand the issue. The reasons for the support donated by the subversives is not hard to understand.

"The traditional American fraternity and sorority system has been a bulwark against communism and other brands of Marxist Socialism in our colleges and universities for more than

¹ From a speech by Eileen Blain Rudolph delivered before the June 1956, Convention of Delta Delta De'ta.

² Mr. Norman S. Meese, "The Trend Toward Tyranny", *The New Age*; (Masonic Magazine).

100 years in the past, and likely will continue to be for another 100 years into the future."³

Those who attack discrimination need to examine their dictionaries, for their usage of certain words indicates intellectual dishonesty.

"They redefine the meaning of words to the extent that terminologies take on a meaning that is offensive. The prime example of course is the corruption of the word discrimination. Webster would never recognize its present usage. From a very inert and admirable original connotation it has taken on a modern one to the point that there are, apparently, only three kinds of "discrimination",—those based on race, color, or creed. Thus a fraternity which considers these items, or any one of them, is wholly bad. By inference, or at least by omission, there is nothing wrong in a social fraternity confining its members to agricultural students, or engineers, or to those brilliant enough to meet a stated grade average."⁴

We need also to be careful of definitions within our own group. Theta Tau is in a unique position among fraternities. Because it is a professional fraternity, some have mistaken this to mean a professional society, whose primary interest is the furthering of the engineering profession. This is completely false. Theta Tau is a fraternity—a fraternity founded to promote professional interest and fraternal fellowship among its members. It was not founded to promote the profession itself. Its primary service is to its members, and the rules and regu-

lations governing its operation were established with the aim of best rendering this service.

Promotion of the profession is left to the professional society which must, itself, be selective. The American Institute of Chemical Engineers limits its membership to persons practicing Chemical Engineering. The nature of the aims of this group demand this. To make this form of selectivity illegal would be ridiculous, but to infringe upon the rights of fraternal groups to set the requirements necessary to their existence seems perfectly logical to many people. These people must be either subversives, trouble makers, or else they must be totally ignorant of the definition and purposes of a true fraternity.

Legally, the anti-discrimination forces have no case. Many references in American case law can be found which show them to be totally without legal grounds. An example is:

"Membership in a voluntary association is a privilege which may be accorded or withheld, not a right which can be gained independently and then enforced. The courts cannot compel the admission of an individual into such an association and if his application is refused, he is entirely without legal remedy, no matter how arbitrary or unjust may be his exclusion."⁵

Legal grounds or no legal grounds, however, college administrators have a great deal of influence over the regulations affecting organizations on their campuses whether these regulations be sound or not. Sensitive to student

³ From an editorial in "The San Fernando Valley Times" by Mr. George Todt, Secretary of the Southern California Interfraternity Association.

⁴ Mr. Roy C. Clark, Exec. Sec. of Acacia, "The Job is Ours", *The Triad*, (Official publication of Acacia Fraternity).

⁵ *American Jurisprudence*, W. A. Estrick, Editor in Chief, page 462, paragraph 11.

opinion, outside news releases and fear of general public reaction, they lend their efforts to bringing about disciplinary action, or the threat of it against those fraternities who persist in asking only that they be allowed to choose their associations as a group just as they do as individuals.

A prime example of administrative anti-fraternity aggression is the situation at Colorado. The Colorado Board of Regents passed a Resolution in March of 1956 which stated in part:

"After September 1, 1962, the University shall place on probation any fraternity, social organization, or other student group that is compelled by its constitution, rituals, or government to deny membership to any person because of his race, color, or religion. During such probation, no rushing, pledging, or initiation of new members shall be permitted."⁶

An excellent, comprehensive history and description of the situation at Colorado has appeared in an editorial in the official magazine of Alpha Sigma Phi, and reprints of this editorial, entitled "Democracy—University of Colorado Style", are available from the Fraternity at 24 West William Street, Delaware, Ohio.

Fortunately, as in the case of Cornell and Michigan there have been brave and honest administrators who have cut through the propaganda of attack and have taken a stand to protect the rights of fraternities. The "clause" furor on the Michigan campus was brought to a sudden close by quick and effective action on the

part of the President of the University, Dr. Alexander G. Ruthven whose official statement contained the following:

"The University, as a Department of State Government, cannot adopt regulations which discriminate against the rights of persons because of race or religion. However, in our zeal to protect the constitutional immunities of certain citizens, we must be careful not to infringe or impair equally sacred rights of others. It is a long established rule of law that no individual has an inherent right to membership in any particular organization."

Fraternity leaders as well as clear thinking, honest college administrators agree that aggressive legislation will not solve the problem. At the last National Convention of the Professional Interfraternity Conference, the report of the President included the following statement:

"I consider that attempts by universities, by student groups and by others to force through legislation and directives for the removal of racial and religious qualifications to membership in fraternal and other voluntary organizations to be ill-advised and to defeat the very purpose that they wish to accomplish. If such institutions are sincere in their desire to see social equality firmly established then the only effective approach is through education and, above all, through patient, sympathetic guidance."⁷

It would seem, therefore, that those

⁶ William H. E. Holmes, Jr., Editor, "Democracy—University of Colorado Style", "Tomahawk" of Alpha Sigma Phi, Spring, 1956.

⁷ Dr. Alexander G. Ruthven, President of the University of Michigan quoted in the IRAC Bulletin of September 10, 1957.

⁸ Report of the President, Walton VanWinkle, Jr., M.D. to the Profession Interfraternity Conference, April, 1956.

who champion our cause, many of great professional standing among them, agree that the type of action taken on the campuses in Colorado and New York recently can do very little good, and have a great propensity for evil. Some of the oldest and most traditional organizations on these campuses will probably be lost while thousands of alumni and hundreds of active members look on in anguish.

Sherwood Blue, former President of Theta Chi has a very philosophical attitude toward this possible loss, however, and has written in a widely published letter:

"We must insist upon our right to choose those with whom we live and associate. If, in the course of this fight, we suffer some casualties, they must be endured in the belief and knowledge that eventually the losses will be resurrected when the principles for which we are fighting have been re-established, reaffirmed and re-consecrated.

We should not be afraid to stand up and face the problem in spite of all of the implications of self-destruction that go with it. I cannot but believe that when the truth is known, when college administrators and deans find there are at least a few among the fraternity system who will not let this insidious thing take away from us a fundamental American right, they too will agree it is unwise to deny fraternities their constitutional rights. If, in the process, we suffer that is to be regretted. But if it becomes necessary to lose a little in order to gain and retain much, then so let it be."⁹

It is hard for us in H & T to share

Mr. Blue's philosophy, however, since each of our chapters represents about 4% of the active membership of the Fraternity. Care must be taken to see that our brothers in distress are aided, and not shunned; but we must not allow ourselves to be bullied by certain "knights in tarnished armor"¹⁰ who have, through their own actions shown a disregard for democratic processes.

In the best interests of the continued harmonious existence and successful expansion of our Fraternity, appropriate action will probably be necessary. It is hard to fight illogical attacks with logical action, however, and the problem seems insurmountable upon examination on a moral, ethical, or legal basis. Let us remember, however, that Theta Tau is part of a great national movement, and that virtually the entire fraternity world stands beside us in our struggle. The power of this great body must not be underestimated.

Sputnik

The outstanding skill and determination of Russian scientists and engineers was convincingly demonstrated to the world this fall when on October 4 that nation successfully launched the first man made earth satellite. The great importance of this enormous step forward toward inter-planetary space travel and toward a possible new type of military control of all the world is widely recognized and has seriously shocked those of us of this nation who have complacently regarded Russia as a basically backward and a largely uneducated country.

⁹ Sherwood Blue, former President of Theta Chi, as quoted by Eileen Blain Rudolph, Delta Delta Delta, in a speech entitled "Attacks on the Fraternity World".

¹⁰ A thought borrowed from the May, 1957, Rho of Theta Tau newsletter.

For several years we have been hearing that the Russians have been picking their brightest students to train in engineering and all scientific pursuits. This story was vaguely disturbing to us at times, but still we could scarcely believe it would produce much in the way of tangible results for years to come. The illusion is gone now and new emphasis on development of our own scientists as students, teachers, and researchers is well under way.

While we gravely deplore this proof of vast military potentialities on the part of our chief world adversary and regret the propaganda effects of the achievement, nevertheless we must respect and applaud the scientists who

have made it possible. Excepting for its war-making aspects, the step is a long one in the direction of finding out more and more about our universe and of the world in which we live. Its success will spur our own and other scientists to new and greater achievements with results which will undoubtedly have tremendous impact on all phases of man's life in years to come. At the same time, we submit there is much truth in President Eisenhower's statement that "What the world needs today even more than a giant leap into outer space is a giant step toward peace." Advances in the fields of humanities and sociology are necessary too.

P.L.M.

Additions to Membership

ALPHA

- 645 Roger Duane Schultz, Buffalo, Minn.
- 646 David William Pearson, Duluth 3, Minn.
- 647 James Bryant Koeneman, Chisholm, Minn.
- 648 Wayne Henry Traffas, Minneapolis, Minn.
- 649 Paul Henry Schluter, St. Paul, Minn.

GAMMA

- 875 Richard Eugene Snyder, Denver, Colo.
- 876 John Andrew Christians, Denver, Colo.
- 877 Richard Whitcomb Volk, Englewood, Colo.
- 878 James Bruce Mollison, Denver, Colo.
- 879 Charles Edward Ramsey, Jr., Oklahoma City, Okla.
- 880 Andrew Carroll Lamberson, Canon City, Colo.
- 881 Ivan D. Allred, Jr., Wichita Falls, Texas
- 882 Paul Jerome Meaden, Slayton, Minn.
- 883 Thomas Matthew Carroll, Jr., Denver, Colo.
- 884 John Turbeville Chandler, Kosciusko, Miss.

- 885 Richard Morrill Swerdfeger, Boulder, Colo.
- 886 John Arthur Beacham, Santa Fe, New Mexico

EPSILON

- 807 John Gustave Anderson, Rapid City, S. D.
- 808 William Laird Baker, Berkeley 4, Calif.
- 809 Thomas Robert Cass, San Francisco, Calif.
- 810 John William Cosgriff, Jr., Denver, Colo.
- 811 Harold Vincent Hoffman, Burlingame, Calif.
- 812 Rex Elmer Olsen, Albany 6, Calif.
- 813 Charles Leon Perdue, Jr., Decatur, Georgia
- 814 Martin Snider Raymond, Kansas City, Mo.
- 815 Thomas Carl Schneider, Sanger, Calif.
- 816 Frank George Sieraski, Albany 6, Calif.
- 817 Frederick Thomas Turcotte, Berkeley 9, Calif.
- 818 James Reid Weddle, Bakersfield, Calif.

LAMBDA

- 718 Frank Jess Lombard, Vernal, Utah
 719 Sherwood Exeter Twitchell, Salt Lake City, Utah
 720 Clifford Boyce, Murray, Utah
 721 Ronald Edward Gorringer, Midvale, Utah
 722 Keith Scott Tattersall, Salt Lake City, Utah
 723 John Gary Peterson, Salt Lake City, Utah
 724 Robert Lyle Gustaveson, Salt Lake City, Utah
 725 James Wade, Jr., Salt Lake City, Utah
 726 John "C" Schreiner, Salt Lake City, Utah
 727 Dean Earl Winkler, Salt Lake City, Utah
 728 Robert Stephen Halander, Salt Lake City, Utah
 729 Bliss LaMar Diamond, Springville, Utah
 730 Ramon Eskel Johnson, Salt Lake City, Utah
 731 Gerald Lee Murdock, Ogden, Utah
 732 Robert Christopher Veschusio, Tooele, Utah

MU

- 679 Waights McCaa Taylor, Jr., Birmingham, Ala.
 680 Frank Haviland Broome, Wellington, Ala.
 681 William Kenneth Fikes, Brent, Ala.
 682 Joseph Lee Massett, Waterport, N.Y.
 683 Arnold Michael Blumenstein, Flushing, N. Y.
 684 Charles Ernest Arrington, Mobile, Ala.
 685 Roger Clyde Comer, Tuscaloosa, Ala.
 686 John Gilbert Perrigin, Route 2, Carrollton, Ala.
 687 John Barnard Karrh, Birmingham, Ala.
 688 Lowell Lamar Walker, Bay Minette, Ala.
 689 James Sweeney, Las Vegas, N. M.
 690 Jerry Ray Thrasher, Birmingham, Ala.
 691 Kenneth Edwin Harwell, Wetumpka, Ala.
 692 Clarence Erskine Herren, Eldridge, Ala.
 693 Anthony Daniel Gregoire, Kenmore, N. Y.
 694 Kelly Vernon Grider, Stevenson, Ala.
 695 James Othel Horsley, Cullmon, Ala.
 696 Charles Dugan Smith, Jr., Scottsboro, Ala.
 697 Bob Owen Wilson, Boaz, Ala.
 698 John Balus Duke III, Gadsden, Ala.
 699 Michael Kay McAbee, Gadsden, Ala.

- 700 Philip Anthony Roth, Birmingham, Ala.
 701 Benjamin Davis Crane, Selma, Ala.

XI

- 193 Richard Don Anderson, Milwaukee 6, Wis.
 194 Robert Conrad Carlson, Verona, Wis.
 195 Allan Henry Clauer, Union Grove, Wis.
 196 Charles William Kuchler, Jr., Milwaukee 18, Wis.
 197 Robert Eugene Allen, Beloit, Wis.
 198 Thomas Joseph Banski, Kenosha, Wis.
 199 Andrew Millunzi, Milwaukee, Wis.
 200 Thomas R. Obenberger, Milwaukee, Wis.

RHO

- 572 Richard Horace Redwine, Rural Hall, N. C.
 573 William Hatcher Kincheloe, Rocky Mount, N. C.
 574 Harold Ray Denton, Rocky Mount, N. C.
 575 James Hoyle Riggers, Jr., Indian Trail, N. C.

TAU

- 610 John Arthur Chapin, Lowville, N. Y.
 611 Elliott Flicker, Newark, N. J.
 612 Ronald George McMillan, Elmira, N. Y.
 613 Robert Lawrence Raichlin, Syracuse 3, N. Y.
 614 David Albert Rosendale, No city listed
 615 Irving Marvin Simon, Babylon, N. Y.
 616 Francisco Emilio Torregrosa, Rio Piedras, Puerto Rico
 617 Arthur Anton Walier, Jr., Solvay, N. Y.

UPSILON

- 486 Lewis Allen Barnard, Little Rock, Ark.
 487 James Charles Carpenter, Springfield, Mo.
 488 Charles Kenneth Dorland, Jr., Boonville, Ark.
 489 James Dean Gattis, Fort Smith, Ark.
 490 Robert Dale Gentry, Little Rock, Ark.
 491 James Morton Hefley, Little Rock, Ark.
 492 Charles William Miller, Little Rock, Ark.
 493 John Hartwell Moore, Paragould, Ark.
 494 Jimmy Lee Price, Mena, Ark.

- 495 Bobby Gene Reynolds, Ray, N. D.
496 Glendon Danna Self, Jacksonville,
Ark.

CHI

- 545 Alberto Condes de la Torre, Nogales, Ariz.
546 John James Eidel, Tucson, Ariz.
547 Bryan Philip Kent, Potsdam, N. Y.
548 Ralph Edwin Sandler, Prescott, Ariz.

PSI

- 390 Donald Robert Schweitzler, Milwaukee, Wis.
391 Hernando Ciro Arauco, Lima, Peru,
South America
392 Glenn Charles Shurtz, Walkerville,
Mont.
393 Temple Brown Page, Port Orchard,
Washington
394 Aurelio Madrazo, Butte, Mont.

GAMMA BETA

- 374 Donald D. Apperson, Aztec, N. M.
375 Edward Charles Dombek, Hartford,
Conn.
376 Philip Leslie Payne, Falls Church,
Va.

- 377 Robert Royce Reining, Jr., Washington, D. C.
378 Vladimir Vratislav Saba, Washington, D. C.

DELTA BETA

- 307 William Everett Allen, Louisville, Ky.
308 John Howard Cosgrove, Louisville, Ky.
309 John Frederick Kastensmidt, Louisville 17, Ky.
310 Vernon Edward Meurer, Louisville, Ky.
311 Richard Lawrence O'Bryan, Louisville 14, Ky.
312 Ronald Eugene Sturgeon, Louisville, Ky.

EPSILON BETA

- 112 Robert John Cafmeyer, St. Clair Shores, Mich.
113 George William Eskola, Jr., Garden City, Mich.
114 William Eugene Johnston, Royal Oak, Mich.
115 William James Monteith, St. Clair Shores, Mich.

"What They Say"

The College Professor:

"Such ignorance in a student—'tis a shame

But lack of preparation is to blame."

The High School Teacher:

"What crudity! The boy's a fool

The fault, of course, is with the elementary school."

The Elementary School Teacher:

"Oh! That from a dunce I might be spared.

They send them up to me so unprepared."

The Kindergarten Teacher:

"Such lack of training, I never did see.

What sort of person can that mother be?"

Mother:

"You stupid child! But you are not to blame.

Your father's family are all the same."

—Anonymous

A young woman tourist was spending the night in a Texas motel. She was asking the clerk for sights to see of unusual interest.

"Well," said the clerk, "we have the only helium plant in the world."

"How wonderful. Is it in bloom now?"

Mother: "Now, before you get serious with him, be sure that he is always kind."

Daughter: "Oh, I'm sure he is; he told me he put his shirt on a horse that was scratched."

A pessimist is a woman driver who is sure she can't park her car in a tight space. An optimist is a man who thinks she won't try it.

She used to be the belle of the ball until someone tolled on her.

Chapter Advisers

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

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

GAMMA—Prof. Samuel Shaw, Colo. School of Mines, Golden, Colo.

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

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

ZETA—Dr. J. O. Malony, 830 Missouri, Lawrence, Kansas

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

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

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

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

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

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

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

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

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

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

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

PHI—Prof. E. C. Thoma, 237 Connelly St., West Lafayette, Ind.

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

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

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

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

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

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

Alumni Notes

ALPHA

- Dorr, William Ripley, '14, has retired from business and is now living at 2706 Cur esta Road, Santa Barbara, California.
- Jones, Elmer, '24, is the first president of the new "Mining" Division of the American Institute of Mining & Metallurgical Engineers. He is Assistant General Manager of St. Joseph Lead Co., Bonne Terre, Mo.
- Lushene, Joseph P., '25, Capt. USA is now stationed at Ft. Sill, Oklahoma.
- Bailey, Stuart L., '27, of Jansky & Bailey, Inc., Washington, D. C. Received the University of Minnesota Outstanding Achievement Award in June 1956.

BETA

- Kirkpatrick, Marsena R., '07, lives in Stoneham, Mass.
- Nilson, Nils E., '24, came to Houghton to see his son John, Beta '57, from Melbourne, Australia, receive three degrees, Bachelor of Mining Engineering, B.S. in Mining Engineering, and B.S. in Engineering Administration.
- Westin, Clinton, '27, is general manager of Superior Steel & Malleable Castings, Benton Harbor, Michigan, and has been with the company since 1943.
- Witcomb, Edward W., '40, is supt. of the Ovide Plant, Chile Exploration Co., Chuquicamata, Chile, S. A.
- Beard, Henry O., '44, is serving his 13th year with Pennsalt Chemicals at Wyandotte, Michigan, and is now materials supervisor.
- Cole, James H., '44, operates under the firm name of Lake Shore Development Co., Holly, Michigan.
- Swenson, George W., '44, is now a professor at the University of Illinois, in Urbana, Ill.
- McKereghan, George F., '47, is superintendent of the Calumet & Hecla uranium operations in New Mexico.
- Lovell, Robert G., '50, is Cast House Metallurgist for the Reynolds Metals Co., in Phoenix, Arizona.
- Jensen, Harold S., '52, is in the class of 1957 of the Harvard Business School in Cambridge, Mass.
- Mathwich, Ronald L., '52, is studying law at the University of Michigan.
- Smith, Harold R., '52, is in the metallurgical laboratory of Dow Chemical Co., Midland, Michigan.
- Dufour, Gerald L., '53, is an estimator and

- engineer for August B. Priegel Co. Inc. in Milwaukee, Wisconsin.
- Ball, Dale W., '55, is a 2nd Lt. USAF as a jet pilot at Laredo Air Force Base, Laredo, Texas.
- Ecklesdafer, John G., '56; Dick, Richard A., '56; Longacre, Thomas L., '56; are in the Army.
- McChesney, Robert D., '56, is with Asarco Explorations of Canada in Toronto, Canada. Mailing address is R. R. #1, Highland Creek, Ontario.
- Tannis, James I., '56, is working on his Masters Degree in Geophysics at M. C. M. & T.
- Balai, John W., '57, is working for Eaton Mfg. Co. at Battle Creek, Michigan.
- Bayko, John, '57, is with Algom Uranium Mines Ltd., Elliot Lake, Ontario.
- Briggs, William E., '57, will have completed a six month hitch in the Navy shortly.
- Carpenter, Chauncy L., '57, is working for Alcoa in Pittsburgh, Pa.
- Doyle, Donald M., '57, is working for GECO in Manitowadge, Ontario.
- Dunwell, Fred M., '57, is working on his Masters Degree in Chemical Engineering at Lawrence College in Appleton, Wisconsin.
- Johnson, Eldon D., '57, is working for Babcock Wilcox Corp.
- Merrifield, Ray, '57, is working for INCO at Copper Cliff, Ontario.
- Mitchell, David K., '57, is working for Inland Steel at Hammond, Indiana. A recent addition to his family is a son, Paul.
- Nilsen, John N., '57, is an underground surveyor for San Manuel Copper.

GAMMA

- Meyers, John F., '13, lives at Apt. 2B, 2 Putnam Hill, Greenwich, Conn.
- Warren, S. Power, '13, is mineral division chief for Ball Associates, C. A. Johnson Bldg., Denver, Colorado.
- Tyler, Fred Lyman, '23, gets mail at Rooseveltstraat 6, Leiden, Netherlands where he is general manager of Reed Roller Bit Co., Nederland, N. V.
- Goddard, James A., Jr., '25, gets mail at 235 Lowell Road, Wellesley 81, Mass.
- Mattson, Vernon L., '26, is conducting uranium research for Kerr-McGee Oil Industries, (Dean McGee, Zeta '15, Pres.) in Denver and gets mail at 4670 Balsam, Wheatridge, Colo.

- Dickey, Kenneth W., '31, now lives at 1440 Taft Ave., Loveland, Colo.
- Tarr, Chas. M., '38, is at 7822 Quail Lane, Wichita, Kansas.
- DeLong, C. W., '39, is at 1764 South Sherman, Denver, Colo.
- Powers, Jack Daniel, '39, can be addressed at Joaquin de Salterain 1264, Montevideo, Uruguay, South America.
- Petty, John M., '42, now is at 441 West Plata, Tucson, Arizona.
- Locke, Robert D., '44, gets mail at Box 455, Vernal, Utah.
- Elser, William A., '48, is with Consolidate Mic Mac Oils Ltd., 11536 Jasper ave., Edmonton, Alberta, Canada.
- Ferris, B. J., '48, is now at 2007 North D Str., Midland, Texas.
- Peter, Philip W., '48, can be addressed P.O. Box 193, Gillette, Wyoming.
- Rader, Miles T., Jr., '48, gets mail c/o Creole Petroleum Corp., Apartado 172, Maricaoibo, Edo. Zulia, Venezuela, Att Lagunillas.
- Robison, Joe T., '49, now gets mail at 32 South Arlanctic St., Dillon, Mont.
- Korn, Norman, '50, gets mail c/o Shaw Production Service Co., Box 1528, Casper, Wyoming.
- Adams, Harry Don, '52, now receives mail at R. R. #4, Knoxville, Iowa.
- Chuber, Stewart, '52, has been studying for a doctor's degree at Leland Stanford University and is now with General Petroleum Corp., P.O. Box 4095, T & C Branch, Sacramento, California.
- McNamara, William F., '53, now lives at 1620 Silver St. SE, Albuquerque, New Mexico.
- Meitz, Kenneth F., '53, gets mail at Box 457, Chehalis, Wash.
- Russell, Mike, '53, is now addressed at 3451 Ann St., Lansing, Ill.
- Siltanen, Clyde W., '53, gets mail at 3577 Norton St., Apt. 2, Lynwood, Calif.
- Denton, Larry A., '56, is now at 806 South Ward, Edna, Texas.
- Hobbs, James W., '56, now gets mail at Navsup, Unit 3, Antarctica, Davisville, Rhode Island.
- Kleinberg, Lester R., '32, is Vice President and General Manager of Health Aire Heating & Ventilation Inc., Culver City, Calif.
- Chapman, Robert G., '35, is chief engineer with International Steel Co., Evansville, Ind.
- Boehm, Robert C., '37, is chief metallurgist at the Wellman Bronze & Aluminum Co., in Cleveland, Ohio.
- Eichler, Jack H., '41, is now with Marquette Metal Products Division, Curtis-Wright Corp., Cleveland, Ohio.
- Nusbaum, David R., '42, has legally changed his name to David N. Reece; he is with the National Research Corp.
- Acheson, Louis K., Jr., '46, is now senior staff engineer for Hughes Aircraft Co., Culver City, Calif.
- Farmer, William B., '47, is in sales engineering for J. C. Krum Co., Kalamazoo, Mich.
- Zusack, Michael J., '48, is now plant engineer, Pontiac Motor Division, General Motors Corp., Pontiac, Mich.
- Tanis, John J., '49, is sales engineer for E. F. Hauserman Co., Cleveland, Ohio.
- Robinson, William D., '50, is district engineer for the Bituminous Coal Institute and lives at Maple Road, Pines Lake, Paterson, N. J.
- Patton, Richard K., '52, Lt. USA, and family are living at Cavite City, Cavite, P. I.
- Zaker, Thomas A., '53, is with the Armour Research Foundation of Illinois Institute of Technology as an associate engineer in the gas dynamics Section. He received his M.S. there in 1956.
- Shroyer, John H., Jr., '55, and Miss Lynnell Britten, were married in February 1957. He is sales engineer for Aluminum Co., of America in Cleveland, Ohio.
- Seekely, Robert E., '56, and Miss Barbara Cunat were married in March 1957. He is engineer for the Lincoln Electric Co. in Cleveland, Ohio.

EPSILON

- Dougherty, E. Y., '15, is mining engineer for the SEC in the western states and has offices at Room 339-821 Market St., San Francisco 3, Calif.
- Probert, Alan, '25, is manager of Cia. Minera de Guatemala, S.A. Apartado Postal #511, Guatemala, Guatemala, C. A.
- DeCarbone, William L., '28, has a new office in St. George, Utah.
- Priest, Donald B., '36, is assistant supt. for General Petroleum Corporation in Ventura, California.

DELTA

- Focke, Theodore B., '26, is president of the National-U.S. Radiator Co., Johnstown, Pa.
- Van Horn, Kent, '26, and Robert S. Shankland, '28, received Meritorious Awards at the June 1957 Commencement at Case Institute of Technology.
- Persons, Wallace, '31, is president of the Emerson Electric Mfg. Co., St. Louis, Mo.

Bryan, Russell R., Jr., '38, can be addressed care of Cia Dominicana de Minerales, Ciudad Trujillo, Dominican Republic.

Wilson, Ivan F., '38, is geologist in charge of exploration at the Naica Unit of the Fresno Co., at Naica, Chihuahua, Mexico.

Blankenship, William, '48, is geologist for Shell Oil Co. in Denver, Colorado.

Day, Paul S., '51, is in the Palo Alto office of the Western Gulf Oil Co.

Hansen, Lawrence, '50, is safety engineer for the A.S. & R. Co., Wallace, Idaho.

Rowland, David A., '52, is now with Stanford University and his address is Division of Mineral Sciences, Stanford University, Stanford, California.

Forrester, Emmett Jr., '53, is a civilian again and now petroleum engineer for General Petroleum and living in Long Beach, Calif.

Peterson, Richard, '53, and family are now in Casper, Wyoming, where he is geophysicist with Stanolind Oil & Gas Co.

Benson, Russell A., ex '57, can be addressed at 1321 Dwight Way, Berkeley 4, Calif.

Mann, Robert '57, can now be addressed at 171 Poli St., Ventura, Calif.

ZETA

Coats, Charles M., '13, is hoping to attend an engineering homecoming as successful as last year's. He can be reached at 307 Schweiter Bldg., Wichita, Kan.

Parker, Ross L., '12, can now be reached at 726 South Elm, Hinsdale, Illinois. He is a retired vice president of General Electric.

Painter, Carl E., '15, has changed his business address to 149 West 2nd South, Salt Lake City, Utah.

Bliss, John Lawrence, '16, was sorry to miss the alumni dinner last spring. He is presently serving as president of Universal Filter Company and is residing at 12 Windsor Lane, Kirkwood 22, Mo.

Vauter, Jamison, '16, Past Grand Regent of Theta Tau is living at 614 W. Washington in Urbana, Illinois, where he is Professor Emeritus of Civil Engineering at the University of Illinois. He is now doing Consulting Engineering work.

Darby, Harry K., '17, may be reached at First and Walker Avenue, Kansas City, Kansas.

Orton, James M., '17, is a Sanitary Engineer for the city of Detroit and is residing at 18920 Sorrento, Detroit 35, Michigan. We were delighted to have him as a guest in the house last spring before commencement.

Wakenhut, C. J., '17, is an Engineer for Wilson & Company Engineers and is living at 201 S. 12th St., Salina, Kansas.

Holt, Hobart C., '18, is now Assistant to Vice President and Comptroller with Frisco Railway Company. He may be reached at 515 North and South Road, University City, Missouri.

Williams, J. O., '20, is residing at 1041 Rosehill Dr., Boulder, Colorado.

Bunn, John W., '21, is Associate Professor of Physical Education at Colorado State College. His mailing address is, Colorado State College, Greeley, Colorado.

Johnson, Martin M., '21, Designer with Wighton-Abbott Corporation can be found at 30 Leslie Street, Newark 8, New Jersey.

Perkins, Lucius J., '21, of 140 No. Canton View Dr., Los Angeles 49, Calif., is Mgr. of Lamp Sales with the General Electric Supply Division of G. E.

Walstedt, John R., '21, is vice president with Waddell & Read, Inc. He may be reached at 8445 Linden Lane, Prairie Village, Kansas. Fortunately for Zeta Chapter, Brother Wahlstedt has found occasion to visit the chapter and contribute to its success.

Edwards, L. E., '22, may be contacted at 9 N. Van Dien Avenue, Ridgewood, New Jersey.

Endacott, Paul, '23, is currently the president of Phillips Petroleum Co. His mailing address is 916 Cherokee Ave., Bartlesville, Okla.

Harris, Clarence A., '23, has retired from service with Kansas Power and Light Company but is still active with travel and special projects. He is residing at 1317 Grand, Emporia, Kansas.

Benz, George R., '25, is manager of the Engineering Department of Phillips Petroleum and may be reached at 1712 Cherokee Place, Bartlesville, Okla.

Cambern, Theodore J., '25, a partner in Howard, Needles, Tammen & Bergendoff, gives his address as 1020 W. 59th Terrace, Kansas City, Missouri.

James, Wallace M., '25, 56 Francisco Avenue, West Caldwell, New Jersey, is a manager for the Radio Corporation of America.

Kennedy, Alex S., '25, is currently the District Manager with the Master Electric Company of Dayton, Ohio. His address is 4905 Glendale road, Kansas City 12, Missouri.

King, Ralph M., '25, gives his address as Box 307, Stuttgart, Arkansas, where he serves as vice president of Layne-Arkansas Company.

- Lawrence, Ray E., '25, is serving the engineering staff well at Black and Veatch currently. His address is 2708 West 66th St., Kansas City 13, Mo.
- Johnson, O. K., '26, is president at O. K. Johnson Power Constructors Inc., and O. K. Johnson Electric, Inc. He has recently acquired a grandson and granddaughter. His mailing address is 307 Woodbury Lane, Topeka, Kansas.
- Boggs, Robert L., '27, 861 Valleyview Road, Pittsburgh 16, Penn., is vice president of Production for the Gulf Oil Corporation.
- Patterson, R. S., '27, resides at 6510 Pennsylvania, Kansas City 13, Missouri, where he is associated with Black & Veatch.
- Patterson, W. L., '27, is a Principal Engineer for Black and Veatch, consulting engineers. His address is 631 W. 66th Terrace, Kansas City, Mo.
- Perkins, C. E. "Gene", '27, is City Manager for the City of Glendale, Calif. Gene's address is 2429 Sylvan Lake, Glendale.
- Cash, George H., '28, can be written at Upton Rise, Mill Lane, Upton by Cheshire, England. Brother Cash serves as Managing Director of Cabot Carbon Limited.
- Feil, Louis G., '28, is very active as Treasurer of the Zeta House Cooperation. He is chief of the engineering division of the Kansas City District of the Corps of Engineers. His home is at 4207 West 69th, Prairie Village 15, Kansas. Brother Feil has visited the chapter many times this fall already and we hope he will continue to come back to visit us.
- Gebo, R. R., '28, may be contacted at 120 Montgomery St., c/o Morrison-Knudsen Co., San Francisco 4, California. He is the Far East Manager-Vice President for Morrison-Knudsen Co.
- Hanson, Loring O., '28, is currently a Professor of Applied Mechanics at the University of Wichita. His address is 1528 Yale Blvd., Wichita, Kansas.
- Hazard, Stuart G., '28, 1308 College Avenue, Topeka, Kansas, is a partner in Servis, VanDoren & Hazard.
- Virr, C. Frank, '28, is Assistant State Highway Engineer for the State Highway Commission of Kansas. He may be reached at 3420 Huntuon St., Topeka, Kansas.
- Baxter, Frank I., '29, is an Industrial Engineer for Panhandle Eastern Pipe Line Company. His current address is 4950 Westwood Terrace, Kansas City 12, Mo.
- Rush, Elmer H., '29, is a Development Engineer with the Products Pipe Line Dept. of Shell Oil Co. His address is 5619 Enright Drive, Indianapolis, Ind.
- Bonjour, D. E., '32, is Branch Chief, with the Construction Division of the U. S. Army Corps of Engineers. Brother Bonjour's home is at 13416 W. 91st Terrace, Lenexa, Kansas. He is also serving on the House Corporation as vice-president, therefore giving him many opportunities to visit the chapter.
- Sharp, L. E., '32, resides at 448 Louisiana Parkway, Corpus Christi, Texas. Brother Sharp is Division Mechanical Engineer for Shell Oil Company and has been recruiting Engineers at Texas schools.
- Clutz, Charles W., '33, resides at 555 Sagamore Drive, Rochester 17, N. Y. He is Superintendent of Parts Manufacture-Hawk Eye Works, Eastman Kodak Co.
- Deming, Stephen A., '33, is with the Missouri State Highway Commission. He is living at 4744 Bellevue, Kansas City, Missouri.
- Manning, C. E., '33, serves as Assistant Chief Engineer for the Packard Electric Division of General Motors. His mailing address is R. D. 4, Cortland, Ohio.
- Shaad, Paul E., '33, is Assistant General Manager and Assistant Chief Engineer for the Sacramento Municipal Utility District. His home is at 1137 43rd Street, Sacramento, California.
- Bruzeliuss, Ed., '34, became a "Grandpa" last summer. His home is on Greenwood Drive, Olympia Fields, Illinois, and he is Head Buyer, Steel Division of Standard Oil Co. (Indiana). He is currently residing at Greenwood Drive, Olympia Fields, Illinois.
- Dwyer, T. Paul, '34, lists his address as 5531 Roe Avenue, Mission, Kansas. Brother Dwyer is a partner in Dwyer, Sanders & Kite. He is a frequent visitor to the chapter house.
- Hands, Glenn E., '34, is a Principal Engineer of Burns & McDonnell. He lives at 5625 Berkeley, Mission, Kansas.
- Stark, Donald A., '34, is vice president and Director of Engineering for Mentor Services and Research Inc., 2470 Mentor Avenue, Mentor, Ohio.
- Miller, Howard E., '35, of 1101 Nithsdale Road, Pasadena, California, continues to be Sales and Application Engineer and Assistant Secretary with Harold R. Swanton, Inc.
- Woodson, Riley D., '35, is an Engineer with Black & Veatch. He may be contacted at 2012 West 50th Terrace, Kansas City 12, Mo.
- Lamm, Max F., '36, 4361 Steins St., St. Louis 16, Missouri, is with the St. Louis

- District of the Corps of Engineers, serving as head of the Structural Section.
- Maloney, J. O., '36, was last year a visiting lecturer at the University of Naples and the holder of a Fulbright Scholarship. He is currently serving as Chairman of the Department of Chemical Engineering and resides at 830 Mississippi, Lawrence, Kansas.
- Barnett, Donald A., '37, is Supervisor in Planning for the Glenn L. Martin Co. His home address is 2304 Albion, Denver 7, Colorado.
- Heter, Edward D., '37, is Manager, General and Special Purpose Gear Engineering for General Electric. Mail reaches Brother Heter at 18 Griffin Road, Peabody, Massachusetts.
- May, A. G., '38, president of the Zeta Chapter House Corporation, is a partner in Lutz & May Co., Consulting Engineers. Brother May's address is 5830 Fontana Drive, Mission, Kansas. Brother May finds it very difficult to miss a K. U. football game.
- Bowditch, Frank W., '39 (also Psi) who served on the teaching staff at KU for several years is continuing his work in France. He writes that on December 25 his address will change to 87bis, rue Georges Durocq, Metz, France.
- Janzen, Herman A., '39, serving as Chief Sanitary Engineer with the government in Saigon, says that life is good there, from a personal viewpoint, but difficult from an engineering angle. Brother Janzen gives his address as USOM-H & S—Box 32—Navy 150, c/o FPO, San Francisco, Calif.
- Paxson, L. L., '39, has changed his address to 3 Woodfern Circle, Greenville, South Carolina.
- May, Vernon A., '40, 2043 Casa Grande Drive, West Covina, California, is an application engineer with the Marley Co.
- Douce, William C., '41, is District Sales Manager, Plastic Sales, Division for Phillips Petroleum Co. His address is 514 Fairmont, Westfield, New Jersey.
- Dean, Gervail D., '43, a Major in the Army has a new address. It is U. S. Army Electronic Proving Grounds, Fort Huachuca, Arizona.
- Sommers, C. L., '44, is Resident Engineer at the Choc Bayou Plant of the Phillips Petroleum Company. Brother Sommers lives at 2504 S. Park, Alvin, Texas.
- Irish, Edelbert E., '45, received his M.S. in Aeronautical Engineering at the University of Minnesota in June. He is with the Bureau of Aeronautics in Washington, D. C. and home is at 1005 Marc Drive, Falls Church, Va.
- Nelson, R. F., '46, is Senior Mech. Engineer with Shell Oil Co. His address is 444 So. 79th E. Avenue, Tulsa, Okla.
- Shrake, Charles D., '46, of 116 West Hines, Peoria Heights, Illinois, is installation engineer in the Engine Division Sales with Caterpillar Tractor Co.
- Smalley, Dean F., '46, of Cities Service Pipeline Company has also changed his mailing address. It is 338 S. E. Wilshire, Bartlesville, Oklahoma.
- Borene, Roy K., '48, is with the U. S. Bureau of Reclamation. His address is P. O. Box 414, Glendo, Wyoming.
- Box, Harry, '48, R. R. No. 4, Box 252, Parkville, Missouri, is Vice President and Treasurer with Box & Son Construction Co.
- Hansen, Edward P., '48, resides at 11402 Calido Lane, Houston 24, Texas. He serves as District Sales Manager for the Marley Company.
- Meredith, Robert A., '48, resides at 11402 Calico Lane, Houston 24, Texas. He serves as District Sales Manager for the Marley Company.
- Pennington, Bruce R., Jr., '49, is a Mechanical Engineer with Lutz & May. Bruce's address is 4815 West 55th, Mission, Kansas.
- Talty, Robert D., '49, of 6749 Magoun Avenue, Hammond, Indiana, is an Engineer with the Standard Oil Company of Indiana.
- Anschutz, Glenn, '50, 730 Wayne, Topeka, Kansas, is employed as a Design Engineer in the Bridge Department of the Kansas Highway Department. Brother Anschutz reports that he is kept busy with the Kansas end of the Interstate Highway System. Glenn's family includes his two sons, Kent and Mark. Glenn finds his way over to the chapter now and then and he is of course always welcome.
- Richards, L. M., '50, is soaking up the sun in the deep, deep south. He is a Geologist with Phillips Petroleum Company and his address is Apartado 1031, Caracas, Venezuela.
- Rumph, Richard G., '50, presently serves as Engineer with the Bendix Aviation Corporation. Richard's present address is 7601 Sni-A-Bar Cutoff, Kansas City 29, Missouri.
- Walker, Charles "Duke", '50, 3532 Revere Drive, Fort Worth, Texas, reports that he has resigned as estimator and engineer for the Glaze Construction Company of St. Joseph, Missouri to accept a position with Convair of Fort Worth.
- Crowl, Duane, '51, has changed his address

- to 11000 Etiwanda Avenue, Northridge, California.
- Harris, Richard H., '51, is working on ballistic analog computers for air borne fire control systems as a Project Engineer in the Air Arm Div. at the Westinghouse Electric Corp. His home is at 706 Glenview Ave., Glen Burnie, Md.
- McNeish, George R., '51, 5521 Barton Lane, Shawnee, Kansas, is employed as a Civil Engineer with Kansas City Structural Steel Company.
- Carroll, Norman L., '52, has returned from duty on the U. S. S. Coral Sea and is now a Manufacturing Engineer in the Atomic Fuel Department of the Westinghouse Electric Corp.
- Rae, Bill, '52 is a Petroleum Engineer with Pan American Petroleum Corp. He picks up his mail at Box 804, Ulysses, Kansas.
- Smith, Keith C., '52, of 61 Lyle Drive, Sharon, Pa., is a Supervisory Buyer with Westinghouse Electric Corp.
- Wahlstedt, Bob, '52, 8445 Linden Lane, Prairie Village 15, Kansas, is employed as an engineer for the Bendix Aviation Corporation.
- Beauchamp, Glen T., '53, has congratulations due. He is the father of a new baby boy. His address is 9401 Sturgis St., Norfolk, Va.
- Holyfield, George W., '54, is currently working for Uncle Sam's Navy. Send mail to: George W. Holyfield, Ensign USN, VW 14, Navy 14, c/o FPO, San Francisco, California. George recently stopped by the chapter to visit on his way to Hawaii with the Navy.
- Lloyd, Donald E., '54, has changed his address to 2715 So. Oak, Wichita 13, Kansas.
- Rogers, Gene L., '54, is in the Navy (Lt. j.g. as a Nuclear Engineer with the U. S. AEC). His address is 2814 Adams Mill Rd N.W., Washington 9, D. C.
- Johnson, Vern, '55, is Sales Engineer with the Blower Division of American Radiator & Standard Sanitary Corp. His home address is 6617 Park Avenue, Kansas City, Missouri.
- Merrigan, Larry, '55, a Nuclear Engineer with the Bureau of Ships, U. S. Navy, can be located at 2114 S. 26th St., Arlington, Va.
- Pankratz, Paul, '55, has recently been released from the army after two years active duty. He is now with Dow Chemical Co. in Midland, Mich.
- Brown, Marshall R., '56, is out of the army now and has returned to Augusta, Kan., where he is working for Socony-Mobile Oil Company. His address is 335 Broadway, Augusta, Kansas. We were very happy to see Marshall around the house earlier this fall.
- Brunker, Lester A., '56, 124 Warwick, S.E., Minneapolis 14, Minnesota, is now a Technical Liaison Engineer with Remington Rand Univac. While on his vacation recently Les stopped by the house to see how things were going.
- Davenport, Karl, '56, now resides at 9909 Campbell, Kansas City 14, Missouri. He recently visited Zeta's Chapter house during his vacation.
- Engle, Joe H., '56, received the Commander's Trophy for being top honors man in his class from Webb AFB, the first man to receive the award. Brother Engle also received the highest physical fitness test average. He is with the F-100 day fighter interceptors at Nellis AFB.
- Frevort, Ron, '56, is working for the Glenn L. Martin Company in Colorado currently. His address is 4535 South Pearl, Englewood, Colorado.
- Mains, William W., '56, has signed up indefinitely with the Air Force and is currently stationed at Ardmore, Oklahoma. Bill has been able to visit the chapter on weekends some.
- Taylor, Lawrence, '56, is now out of service and back at N.A.C.A. His address is 44740 Gadsden Avenue, Lancaster, California.
- Trott, B. Dale, '56, is with General Electric, Chemet Program. He may be reached at 416 W. 4th St., Topeka, Kansas. Right now Dale is spending six months with Uncle Sam at Fort Riley, Kansas, which gives him opportunity to visit the chapter often.
- Anderson, Benny, '57, married in August, is a fast moving sailor. His latest address is 50 Tang St., Vallejo, California.
- Brown, David H., '57, is currently an engineer with Pan American Petroleum Corp. He picks up his mail at Box 341, Brownfield, Texas.
- Culp, Stuart D., '57, was recently married and is now rowing a desk as Ensign in the U. S. N. His duty is Naval Inspector of Ordnance at Long Island. Mail reaches Stu at 84-35 64th Road, Apt. 38-E, Middle Village 79, New York, New York.
- Franklin, W. E., '57, is a Reservoir Engineer for Cities Service Oil Co. His present address is 617½ Keeler, South, Bartlesville, Oklahoma. Brother Franklin is serving as Regional Representative for Theta Tau presently. Bill has visited the chapter many times since his graduation.
- Kendrick, Ron, '57, married this summer, is an Engineer with the Glenn L. Martin Company in Denver, Colorado. 1200

Colorado Blvd., Apt. 304C, Denver, is his address.

Ochs, Jay Dee, '57, is a Mechanical Engineer with Boeing Airplane Co. in Wichita, Kansas. His address is 2420 Greenway Blvd., Wichita, Kansas.

Robl, Frank, '57, is a Petroleum Engineer with Magnolia Petroleum Company in Dallas, Texas.

ETA

Ingle, John B., '16, can now be addressed at Box 145, Carlsbad, California.

Johnston, Norwood P., '21, petroleum engineer and a director of the Cumberland Petroleum Co. of Marietta, Ohio, has a new home. Cotton Cottage, Pinehurst, North Carolina.

Redway, Albert S., '23, is president of Rockbestos Products Corp., New Haven, Conn.

Hereford, Rock, '24, is manager of employee publications for U.S. Steel's Columbia Geneva Division, Terminal Annex 2-A, Los Angeles 54, California.

Taber, Don, '25, is general manager of The American Pad & Paper Co., Holyoke, Mass.

Wallace, Robert, '27, is vice president in charge of engineering for Diamond T Motor Car Co., 4401 West 26th St., Chicago 23, Ill.

THETA

Howry, Hamilton H., '15, can be addressed at 442 East First St., Hinsdale, Illinois.

Dorr, James B., '20, with Shell Oil Co. for many years, has retired, and now lives at 4928 Franklin Ave., New Orleans 22, La.

Kalil, Eugene J., '38, has opened his own office as a consultant at 42 Broadway, New York 4, N. Y.

Hladky, Walter W., '41, is at 2614 Merry Lane NE., Atlanta 6, Ga.

Brown, Gardner L., '42, is head of a new Cleveland office of the Pennsylvania Industrial Chemical Corp., Clairton, Pa.

Helm, John L., '43, lives at 3 Clark St., Niantic, Conn.

Schubert, Robert W., '43, has been appointed director of laboratory operations for IBM.

Brebner, Elliot, '54, reports the birth of a daughter, Elizabeth Ruth, on May 13, 1957. He is with the research department of the St. Joseph Lead Co. in Bonne Terre, Mo., and their home address is 400 Taylor Ave., Flat River, Mo.

Nagel, Harry W., '54, is a research engineer with the Sun Oil Co. and lives at

206 Woodstone Drive, Grand View Acres, West Chester, Pa.

Kramer, Fred W., '55, and Miss Madeline Price of Pittsburgh, Pa. were married on March 10, 1957. He is with the Westinghouse Atomic Power Dept. in Pittsburgh. Home is at 5644 Hempstead Road, Pittsburgh 17, Pa.

Pearlman, Robert L., '55, joined the staff of the Esso Research & Engineering Company's patent division. Mail should be addressed to him at 415 East 95th St., Brooklyn 12, N. Y.

Weber, Robert A., '55, Lt. USAF is now addressed as A03067304 Little Rock Air Force Base, Arkansas.

Lesser, Peter A., '56, has joined the staff of the Esso Research & Engineering Co., construction engineering division.

IOTA

Machin, Edwin G., '22, is project manager and supt. for construction of a dam for Ellingham Water Authority, Effingham, Illinois, and home is in Nashville, Ill.

Hodges, Horace W., '25, is Supt. Combustion Dept., Colorado Fuel & Iron Corp., Pueblo, Colorado, and his home is at 203 Brentwood Drive, Pueblo.

Cutter, Lloyd A., '27, has the Cutter Firebrick Co. at Watertown, Mass., and lives at 146 Concord Road, Wayland, Mass.

Barton, Jason E., '30, can now be addressed at 371-A Nottingham Road, Hagerstown, Maryland.

Keller, William H., '30, is with John-Manville Sales Corp. in Chicago, Illinois, and can be addressed at P.O. Box 523, Libertyville, Illinois.

Richardson, James K., '30, is assistant general manager, Chino Mines Division, Kennecott Copper Co., Hurley, New Mexico.

Cornell, Roy C., '38, management consultant, has his office at 3524 West Cary St., Richmond, Va., and home there is at 1218 Hollins Road, Richmond 26, Va.

Ellis, J. Craig, '38, is with Industrial Gas Burners, 50 Church St., New York City. Home is now at 524 Highland Ave., Westfield, New Jersey.

Post, John R., '39, is president and manager of Out West Uranium & Oil Co. *Perry, Ernest L.*, '40, Lt. Col. USA-EC is now at the U. S. Army Engineers District, 420 Locust St., St. Louis, Mo.

Stevens, Clarence M., '42, is manager, Manufacturing, Industrial Heating Department, General Electric Co., Shelbyville, Indiana.

Frame, Russell E., '46, is assistant division engineer, Southern Pacific Co., Los An-

- geles, California, and lives at 12825 Katy St., Norwalk, California.
- Buel, Robert W., '49, is with Standard Oil Co., in St. Louis, and lives at 419 W. Loren St., Springfield, Mo.
- Reilly, John G., Jr., '49, now has four children with Peter who was born in August 1956. Home is at Balmat, St. Lawrence Co., N. Y.
- Babbitt, Jack R., '50, can be addressed at 1243 East 2nd St., Cushing, Oklahoma.
- Duerr, Sidney E., Jr., '50, petroleum engineer with Pan American Petroleum Corp., lives at 3914 Lamont, Corpus Christi, Texas.
- Johnston, Ralph E., '50, is with the Industrial Engineering Dept., Duiron Co Inc., Dayton 1, Ohio.
- Schmidt, Robert N., '50, is assistant Division Engineer, at the headquarters of the St. Louis-San Francisco Rlwy. Co., Fort Scott, Kansas.
- Stegemeier, Richard, '50, is with Union Oil Co., of California, Research Center Brea, California, and lives at 525 North Yale St., Fullerton, Calif.
- Stephens, John F., '50, is with the Pacific Division, Bendix Aviation Corp., North Hollywood, Calif., and lives at 20356 Acre St., Canoga Park, Calif.
- Fairchild, William W., '51, received his Master's Degree at the University of California in Berkeley, and is now in the exploration department, Standard of Texas, and gets mail at 4012 Law St., Houston 5, Texas.
- Shepard, William M., '51, reports the birth of Jane Elizabeth on July 3, 1956. Home is at 3014 South Forest St., Denver, Colo.
- Slankard, Robert C., '51, is with U.S. Airforce Installations, Criteria and Requisition Branch, Airfield Pavements, Pentagon, Washington, D. C., and lives at Apt. 301, 2008 North Daniel St., Arlington 1, Va.
- Stieglitz, Val H., '51, is a construction engineer and can be addressed at 8125 S.W. 52nd Ave., Miami 43, Florida.
- Matson, Don D., '52, is District Geophysicist, Midwest Oil Corp., and lives at 407 West Parker, Midland, Texas.
- Macke, John G., '52, USAF, Lt., has returned from Japan, and is a pilot of the 3608th NTS, and gets mail at P.O. Box 226, Ellington AFB, Houston, Texas.
- Mulholland, John E., Jr., '52, reports the birth of Gerald Patrick, born December 18, 1956. They also have two daughters. John is construction supervisor with Shell Oil Co., and home is at 4532 Audubon, St. Louis 10, Mo.
- Koederitz, T. K., '53, is with General Electric Gas Turbine Testing Div. and lives at 2524 Ardmore, Cincinnati, Ohio.
- Anderson, Searles T., '54, is a mining engineer with St. Joseph Lead Co., and lives at 207 East School St., Bonne Terre, Mo.
- Reeg, Richard L., '54, is with White-Rogers Co., St. Louis, Mo. and home is at 4216 South 38th St. St. Louis 16, Mo.
- Padan, John W., '55, has been discharged from active duty and can now be addressed at Apt. C, 312 Gregg St., Shreveport, La.

KAPPA

- Dusenberry, Paul B., '22, has retired from the Firestone plantations in Liberia, West Africa, and is living on a walnut ranch at Marysville, California.
- Merz, A. Russell, '25, has been elected president of the Cerro de Pasco Sales Corp., 300 Park Ave., New York City.
- Elder, Clarence H., '25, is outside plant engineer for the Illinois Bell Telephone Co., in Chicago. He has been with the company since 1924. With his wife and two children he lives in Hinsdale, Ill.
- Anderson, Corliss D., '26, is now professor of finance at Northwestern University, Evanston, Ill.
- Hudson, Herbert E., Jr., '31, is now with Hazen & Sawyer, consulting engineers, in New York City at 110 E. 42nd St.
- Nauman, Arthur C., '32, Col. U.S.A. Engineer Corps., is now in the office of the Chief Engineer, in Washington, D. C.

LAMBDA

- Stott, George F., '15, is now with Mines Mochito, San Pedro Sula, Honduras, Central America.
- Sampson, John H., Jr., '24, Col. USA, retired in 1954, and is living in Ogden, Utah, 3618 Mt. Ogden Drive.
- Hogan, Mervin B., '27, is a mechanical reliability specialist in the electronics division, General Electric Co., Room 27-Bldg. #4, Industrial Park, Syracuse, N. Y.
- Carter, Geo. W., '33, is now with the Ramo-Woolridge Corp., 5730 Arbor Vitae St., Los Angeles 45, California.
- Kennard, Max J., '34, is now chief engineer, Engr. & Construction, for Southwestern Engineering Co., 4800 Santa Fe, Los Angeles 58, California.
- Bailey, Gordon W., '48, is with the Sperry Utah Engineering Laboratory in Salt Lake City. He is a senior project engineer.

NU

- Richards, Lewis*, '26, reports that he is partially retired and lives in Dalton, Pa.
- McClintock, Thomas L.*, '40, is now assistant chief metallurgist for Aluminum Co. of America, in Vernon, California.
- McAleer, William K.*, '42, manager of Maynard & Co. South American activities and can be addressed at Labarden 412, Acassuco, F C N G B M, Buenos Aires, Argentina, S. A.
- Brown, William F.*, '46, is a research staff member at John Jay Hopkins of General Atomic, San Diego, Calif. Since graduating at Carnegie Tech he received a Ph.D. at the University of Indiana.
- Schwartz, Benjamin L.*, '46, reports the birth of Justin Koslan on July 19, 1957. He is with the Batelle Memorial Institute in Columbus, Ohio.
- Mellott, Cloyd L.*, '47, lives at 597 Dorseyville Road, Pittsburgh 38, Pa.
- Neubert, Vernon H.*, '48, received his Dr. of Engr. at Yale University in June 1957 and is now an engineer for the Electric Boat Division, General Dynamics Corp., Groton, Conn.
- Vidt, Edward J.*, '48, senior chemical engineer at Blaw Knox, is now in the U. S. Steel Plant, Geneva, Utah.

XI

- Pokorny, George*, '52, Kautz, Adolph, '53, Koester, James, '55, Carlson, Robert, '57 and Kitchen, Leonard, '57, attended the annual Founders' Day Banquet.
- Glavan, Alan*, '56, is with General Tire and Rubber helping to set up their new plant in Odessa, Texas.
- Bowers, Earl*, '57, has gone to work with Hughes in San Diego.
- Kjell, David*, '57, is with Convair, also in San Diego.
- Witzel, Ted*, '57, is the third alumnus of Xi working in San Diego. He is also with Convair. Bowers, Kjell, and Witzel got together for a small Founders' Day Reunion.

OMICRON

- Hess, Alfred L.*, '29, is now assistant supt. of the Stores Division of the Eastman Kodak Park works in Rochester, N. Y.
- Smith, H. Sidwell*, '35, has been named president-elect for the year 1958 of the Iowa Engineering Society.
- Schweizer, William E.*, '43, BSME, has been appointed development engineer at the airborne computer laboratories of IBM.
- Hatcher, Harold R.*, '48, is assistant resi-

dent engineer for the new lock at Keokuk, Iowa.

Hovey, Richard J., '50, of Cedar Rapids, Iowa, and Miss Elna Gilbertson of New London, Minn. were married on July 27, 1957.

Azeltine, Richard R., '52, of Rowan, Iowa, and Jeanne Tracy of Euclid, Ohio, were married recently.

Dickmann, Edward, '52, reports the birth of Deborah Ann on July 11, 1956.

Buresch, Maurice, '53, and Miss Georgianna Edgerton were married in December 1956 in Ottawa, Iowa.

Wallace, Francis L., '54, reports the birth of a son, Rick Collin, on May 4, 1957. Home is at La Crescent, Minnesota.

PI

Tatum, George M., '24, has been promoted to manager of the Planning & Research Division of the Virginia Electric & Power Co., in Richmond, Va.

Cowgill, Harry B., Jr., '38, is with the Bettis Plant, atomic power research Lab. of Westinghouse Electric Corp. in Pittsburgh, Pa.

Sidebottom, John, '41, has been appointed director of sales for Curtis Wright Corp., Wright Aeronautical Division, Wood Ridge, New Jersey.

Beverage, Charles B., '46, is now senior engineer of the Virginia Electric & Power Co., in Richmond, Virginia.

Nickell, Grayson T., '47, is sales manager of the Air Conditioning Corp., 481 English St., Greensboro, North Carolina.

Little, Horace G., '50, is district engineer for Virginia Electric & Power Co., in Williamston, North Carolina.

Thacker, William Curtis, Jr., '55, Lt. USA at Ft. Belvoir, Va. and Miss Jo Ann Wilson of Norfolk were married Feb. 25, 1956.

Black, Frank S., Jr., '56, is a 2nd Lt. U.S. Engineer Corps.

RHO

Babcock, Willard F., Hon. Rho, has been appointed Director of Highways of the State of North Carolina with headquarters in Raleigh. He has been on the Civil Engineering faculty at North Carolina State College.

Anthony, John A., Jr., '27, from Shelby, N. C. is now a mechanical engineer in the production dept. of the Naval Shipyard, Portsmouth, Va., and is living in Norfolk, Va.

Mason, John T., '29, is now assistant district superintendent, Virginia Electric & Power Co., in Norfolk, Virginia.

- Geoghegan, John T., '31, is with DuPont in Atlanta, Ga.
- Bradshaw, Richard A., '34, was elected a director of the Associated General Contractors of America of the Carolinas Branch. Home is in Salisbury, N. C.
- Tulluck, W. E., '34, of Orangeburg, S. C. has been made a director of the General Contractors of America.
- Williams, L. C., Jr., '42, is director of Public Utilities for the city of High Point, N. C.
- Eppes, Robertson, Jr., '43, is Canon Missioner of St. Mary's Cathedral in Memphis, Tenn. He has been at the Cathedral since July 1952.
- Page, Fred L., III, '46, is teaching American History at the University of Vermont, Burlington, Vermont.
- Hasbrouck, Charles Booth, Jr., '54, is with the Tennessee Eastman Corp., in Fordtown, Tenn.
- Jobe, Robert, '57, is with the N. C. State Highway Dept. and he is in Elm City, N. C.
- Lomax, John Y., '57, whose home is in Guilford College, N. C. is now with Hercules Powder Co., in New Jersey.
- Spraitzar, Ivan W., '41, is with Wean Equipment Corp., Chatham, N. J.
- Johnson, William R., '44, reports the birth of a fourth child, Leslie Sydnor, on January 23, 1957. Home is at 1509 Hampton Road, Charleston, West Virginia. He is with Union Carbide Chem. Co.
- Montgomery, George H., '44, is assistant manager of the Central Division, Masonite Corp., Chicago, Ill.
- Spencer, Ernest L., '47, is an engineer with the Production Development Laboratory, North American Aviation Co., Columbus, Ohio.
- Schaaf, Glen D., '49, is a senior technical man of the Welland, Ontario, Geon Plant of the B. F. Goodrich Co., Can.
- Koss, John P., '50, reports the birth of Jeffrey Brian, on July 5, 1956. Home is at 24 Rugby Road, Warwick, Va.
- Grossman, William C., '51, reports the birth of a daughter, Linn Marie, on November 12, 1956. Home is at 365 South 309th St., Willowick, Ohio.
- Strang, David A., '51, who received his Ph.D. at Ohio State in 1956 is with the exploratory development staff of Proctor & Gamble in Cincinnati, Ohio.
- Keppler, Eugene F., '52, is an engineer with the General Electric Co., Syracuse, New York.
- Barta, Irvin M., '53, reports the birth of Beverly Ann, on December 19, 1956. Home is at 207 Bess St., Washington, Illinois.
- Lindner, Erik W., '55, was married to Irene Katter on December 8, 1956. Home is at 174 Travis Drive, Dayton, Ohio.
- Moore, Eugene A., '55, reports the birth of a daughter, Janet Kay, on October 14, 1956. Home is at 24440 North Miles Road, Bedford, Ohio.
- Papaioan, Ionel M., '55, is a development engineer in Akron, Ohio.
- Lenhart, Rolland K., Jr., '56, is a foundry engineer with Ingersoll-Rand Co., Painted Post, N. Y.
- Shellene, Kent R., '56, is a maintenance engineer with Shell Chemical Corp., Houston, Texas.

SIGMA

- Whitman, Merrill B., '25, is a civil engineer in El Cajon, Calif.
- Kauer, Theodor, '28, is chief engineer With Holmes Construction Co., Wooster, Ohio.
- Mock, Alvin M., '28, is principal engineer with Havens & Emerson, in Cleveland, Ohio.
- Falter, Arthur H., '29, is a research engineer with the Carborundum Co., Niagara Falls, N. Y.
- Cunningham, Harlan O., '30, is factory manager, Wadsworth Electric Mfg. Co., Covington, Kentucky.
- Shannon, Jack F., '30, and Martha J. Preston were married Feb. 11, 1956. Home is at 1050 Ivanhoe Road, Cleveland, Ohio.
- McKnight, L. Allen, '31, is president and general manager of Atlas Butler Inc., Columbus, Ohio.
- LeMay, Curtis Emerson, '32, General US AF, Commander in Chief, Strategic Air Command, The Pentagon, Washington, D. C. received the Honorary Degree of Doctor of Engineering in June, from Case Institute of Technology.
- Snow, Richard D., '37, is district sales manager for the Austin Co. in Cleveland, Ohio.
- Sloane, Richard L., '38, is a consulting engineer with R. L. Sloane Associates, in Salt Lake City, Utah.
- Mapes, William H., '36, is supervisor of

UPSILON

- Peter, T. E., '29, lives at 3421 Drummond, Vicksburg, Miss. His son is at U. of Arkansas.
- Richardson, James, '29, Cmdr. U.S.N., is Public Works officer for the U.S. Naval Station in San Diego, California.
- Hunt, R. H., '32, lives at 366 Bryant, Glen Ellyn, Ill. His son Dick is at U. of Arkansas.
- Mapes, William H., '36, is supervisor of

- industrial sales for Oklahoma Gas & Electric Co., in Oklahoma City, Okla.
- Fitton, Davis E.*, '42, who graduated from West Point is now a Major USA and the family home is on Lark Drive, Colorado Springs, Colorado.
- Ford, James L.*, '46, is a chief of design for Skidmore, Owings & Merrill, and his address is Box 1091, Colorado Springs, Colorado.
- McKeehan, Maclyn*, '48, has a son, Grant Robert, born Oct. 1, 1956. Home is at 240 Melwood, Pittsburgh, Pa.
- Grizzell, J. O., Jr.*, '49, reports the birth of a son, Kirk Wheeler, on November 26, 1956. Home is at 644 June Drive, Fairborn, Ohio.
- Smith, Wendel*, '49, is a geologist for Sinclair Oil and home is at 228 West 13th, Casper, Wyoming.
- Sneed, H. G.*, '49, is with Gulf Oil Co., 1508 Thomas, Gretna, La.
- Boone, Robert E.*, '51, is resident engineer for Black & Veatch, and home is at 526 Bertrand, Manhattan, Kansas.
- Callahan, Don*, '51, is a research engineer for Hughes Aircraft Co., and home is at 1733 Avenida del Sol, Tucson, Arizona.
- Robbins, William*, '51, is working for Hughes Aircraft and taking law at USC. Home is at 23001 Collins, Woodland Hills, Calif.
- Harvey, Edward*, '54, is a design engineer for Chance-Vought, 3921 Rawlins, Apt. J, Dallas, Texas.
- Yarbrough, James*, '54, is traffic engineer for the State Highway Dept. and lives at 2100 West 17, Vealss, Route 3, Box 618, Little Rock, Arkansas.
- Baunt, Henry*, '56, has joined Humble Oil's technical service in Baytown, Texas.
- Branigan, Tom*, '56, reports the birth of a son, Alan Elliott, on October 28, 1956. He is in the airforce and mail should be sent to 1139 Cherokee Road, Louisville, Kentucky.
- Alford, James*, '57, BSCE, and Miss Joy Ann Pollard, were married in Oil Trough, Arkansas, on June 16, 1957, and are living in Little Rock where he is with the State Dept. of Health.
- McKinney, James Russell*, '57, BSEE, can be addressed at Broadmore Road, Little Rock, Arkansas.
- at 8240 La Sierra Ave., Whittier, California.
- Babcock, Horace M.*, '39, is district engineer for U.S. Geological Survey in Cheyenne, Wyo., and lives there at 1949 Newton Drive.
- Bejcek, Otto John*, '39, is district manager for Wallace & Tiernan, Inc. in Monrovia, California, and home is at 704 Santa Ynez Lane, San Gabriel, Calif.
- Clark, Frederick B., Jr.*, '39, is manager of industrial relations with Associated Missile Products Corp. and home is at 159 San Miguel Road, Pasadena, California.
- Caldwell, Jerry*, '40, can be addressed at Box 352, Superior, Arizona.
- Curry, Field*, '47, and Miss Patience Ruth Taylor were married in San Francisco. He is with the Union Switch & Signal Co. in Pittsburgh, Pa.
- Coulson, Roy E.*, '48, is with the J. E. Redmond Supply Co., Phoenix, Arizona.
- Masching, Robert*, '48, is attending the University of Maryland for his master's degree in electrical engineering.
- Bell, Lawrence E.*, '49, is manager, Caracas District, General Electric Co. of Venezuela.
- Fleet, Tom Van*, '49, is now assistant supt. for the Union Carbide Nuclear Co. in Rifle, Colorado.
- Ellingboe, Jules K.*, '50, has joined the electronics instrumentation division of the Ramo-Woolridge Corp., in Los Angeles, Calif.
- Wenzel, Robert O.*, '51, is president of the Naturita Supply Co. Inc. in Naturita, Colorado.
- Whitson, Robert W.*, '52, is with Westinghouse Electric Corp., in Lima, Ohio, and lives there at 1981 West Wayne.
- Mattingly, Vincent H.*, '55, is a civil engineer and lives at 10631 Louisa Drive, LaMesa, California.
- Armstrong, James L.*, '56, and Carol Mae McCormick were married in Ajo, Arizona, on April 21, 1956. He is a junior mining engineer with Phelps-Dodge Co., in Morenci, Arizona.
- Land, Cletis C.*, '56, won a Phelps-Dodge graduate scholarship and plans to do his graduate work at the University of California in Berkeley.
- Krentz, Frank Albert*, '58, has left the University of Arizona and is now a student at the Mass. Institute of Technology.

CHI

- Minton, David C.*, '29, associate director and vice president of the Battelle Institute in Columbus, Ohio, has been appointed to the research committee.
- Norton, W. F.*, '32, has been appointed regional manager for the Ceco Steel Products Corp., and his mailing address is

OMEGA

- Kammerman, J. O.*, '07, charter member of Omega, and for many years professor of electrical engineering at the S.D. School of Mines, has retired and can now be addressed at Route 2, Mason City, Iowa.

- Foster, Harold, '37, has moved his offices to 875 Broadway, Chula Vista, Calif.
- Rowland, Marion, '40, is metallurgical research engineer with General Electric and home is at 1509 St. Francis Drive, San Jose, Calif.
- Hannan, William, '43, reports the birth of a daughter, Elizabeth Crandall, on June 3, 1957.
- Winkler, Robert, '43, reports the birth of a second son, Thomas Frederick, on April 10, 1957. He is estimator for Peter Kiewit Sons Co., in Duarte, Calif.
- Sandvig, Robert L., '44, and Neva June Oleson were married in Rapid City on July 29, 1957.
- Quinney, Don, '46, is a structural designer with the bridge division for the S.D. Highway Division in Pierre. He reports the birth of a daughter, Michelle Marie, on July 7, 1957.
- Colgan, Arthur, '47, is with North American Aviation and home is at 11165 Gilbert, Garden Grove, California.
- Griffith, William, '47, is metallurgist for the Rare Metals Corp., Tuba City, Ariz.
- Butler, Robert J., '48, is with Carter Oil Co., Box 801, Tulsa, Okla.
- Elliott, William, '48, plant metallurgist for Deere & Co. in Moline, Ill., has a new home at 4133 27th Ave., Rock Island, Illinois.
- Furstenau, Douglas, '49, reports the birth of a daughter, Linda Margaret, on April 28, 1957. He is in the Electro Met Division of Union Carbide & Carbon Co., Buffalo, New York.
- Helling, Gordon, '49, is with Boeing in Seattle and home is at 2503-153rd SE., Bellevue, Wash.
- Roberts, Harry W., Jr., '49, foundry metallurgist for the Oliver Corp., Charles City, Iowa, and Marjorie Fletcher of Sioux Falls, were married on June 23, 1957.
- Burns, Robert, '50, Lt. (Jg) USN and crew ditched their plane in the Pacific and were picked up by a submarine.
- Flow, Ralph, '50, is mine supt. for the Foote Mineral Co., Kings Mountain, North Carolina.
- Jensen, Hans, '50, is with USGS, Rt. 2, Prairie du Chien Road, Iowa City, Iowa.
- Jurens, Al, '50, reports a new son, Richard Folkert, on January 22, 1957. Al is field representative for General Electric in Seattle, Wash.
- Majerus, Francis, '50, Lt. Comdr. USN, can now be addressed at 46 Pleasant St., Brunswick, Maine.
- Peterson, Howard C., '50, is now on the Personnel Staff at the S.D. School of Mines.
- Schack, Stanley, '50, with the Federated Metals Div. of the A. S. & R. Co. has moved to 2230 Indianapolis Blvd., Whiting, Ind.
- Propp, Donovan, '52, is with the Deere Co. in Moline, Ill.
- Sauer, Ray, '52, who is with Phillips Petroleum reports a new address at 4721 Fannin, Amarillo, Texas.
- Bangs, Robert, '53, is with California Highway Dept. and lives at 1901 Somerset Drive, Modesto, Calif.
- Boschker, Andy, '53, with DuPont has a new address at 542 Chalmers Road, Memphis, Tenn.
- Bierwagen, Elmer, '53, will be going to Niger Colony, French West Africa, as a geologist for Socony Mobile shortly after January 1.
- Estes, Leon, '53, on leave from Socony Mobil in Venezuela, has received his M.S. from South Dakota School of Mines.
- Estes, Leon, '53, is back at S. M. & T. taking graduate work in Geology.
- McPharlin, Clyde, '53, moved to Box 669A, R.F.D. #1, Kent, Washington.
- Nelson, Jack, '53, moved from Gilman, Colorado, to Route 1, Jefferson City, Tennessee. He is still with New Jersey Zinc.
- Sacrison, William R., '53, is now at 754 North 5th, Laramie, Wyoming.
- Sauer, Ray, '53, is with Phillips Petroleum Co. in Amarillo, Texas, where home is at 2713 B Westhaven Circle.
- Brunson, Earl, '54, Lt. Jg, USN, is assistant personnel officer, Saufly Field, Pensacola, Florida.
- Cohan, William, '55, was married October 20, 1957 at San Francisco, California, to Miss Adeline Harkness. He can be reached at Route 1, Box 453A, Grass Valley, California.
- Hart, Thomas, '55, is at Box 92, White Pine, Michigan.
- Furstenau, Maurice, '55, received his M.S. in metallurgy at M.I.T. and is continuing his studies for a Ph.D. in Mineral Engineering.
- Ulteig, John, '55, can be reached at Petty Geo. Eng. Co., Party 2, Apartado Aereo #540, Magangué, Columbia, South America. He has signed a two year contract.
- Allgaier, Don D., '56, wants mail sent to 315 West Center St., Madison, S. D.
- Bush, Bob, '56, can be reached at 766 Canterbury Road, Apt. D, University City 24, Missouri.

Dosch, Mike, '56, is with the Air Force in France. He can be addressed at 17483-639, 50th FTRBW, APO 83, AFE, New York, N. Y. He is working with radar sets of P-100's.

Heirigs, Robert, '56, Lt. jg. USN, is assistant sanitary engineer, public health service, Kansas City, where home is at 3442 Penn St.

Taghamonte, Frank, '56, is on the staff of the Kerr Addison Gold Mine Ltd., Virginiatown, Ontario, Canada.

Carriere, Keith, '57, can be reached at 22 Columbus St., East Hartford, Conn.

Day, Ray, '57, monitors and inspects television stations as an Electronics Engineer for the FCC. He had an article published in the October issue of Electronics magazine.

Hawkins, Daryl, '57, is at 4435 Ensenada Drive, Woodland Hills, California.

Noss, Roger, '57, works for Allis-Chalmers in Milwaukee. He can be reached at 2320 A. N. 61st St., Wauwatosa, Wis.

Smith, Melvin R., '57, is working for General Electric in the Aircraft Nuclear Propulsion Department. He is also working for his Masters Degree in Mathematics from the University of Cincinnati. He can be reached at 5453 Grafton Avenue, Cincinnati 37, Ohio.

Yahne, Bob, '58, is working for Douglas Aircraft in the Missile Engineering Department. He plans to return to S. M. & T. in September, '58, and can be reached at 1250 10th St., Santa Monica, California.

Fry, Llayll A., Lt. USAF, is flight instructor at the Army Aviation School, Ft. Rucker, Alabama.

GAMMA BETA

Jones, Ira K., '40, can be addressed at 3728 West Center St., Cincinnati 27, Ohio.

Juncal, Raymond W., '45, is a Sr. M.E. with the Magnavox Co., and resides at 4818 S Anthony Blvd., Ft. Wayne, Ind.

Flanagan, Thomas G., Jr., '55, now resides at 153 Meadowbrook Drive, Bethel Park, Pa.

Mohl, Casper F., '55, now lives at 1115 Hastings Ranch Dr., Pasadena, Calif.

Brady, M. Michael, '56, is a research assistant Servomechanisms Laboratory, Bldg., 32, M.I.T., Cambridge, Mass.

Cauffman, James A., '56, is now in the Air Force, stationed in Washington, D. C. Jim is working on a Masters Degree at George Washington University also. His address is still 504 Independence Avenue, S. E., Washington, D. C.

Costanzo, Felix, '56, is presently employed by the Johnson Service Co. in Washington, D. C. as an engineer. His address is 2025 Eye St., N. W., Washington, D. C.

Foster, Matthew F., '56, now resides at 174 Kingfisher Road, Levittown, N. Y.

Robey, Paul A., Jr., '56, now works for the U. S. Patent Office in Washington, D. C.

Brooks, Roy D., '57, works as a Design Engineer for Crosley Division of AVCO Manufacturing Corp. His address is Room 350 Harrison Club, 2368 Victory Parkway, Cincinnati 6, Ohio.

Cannon, John W., '57, now gives his address as 625 Mar Vista Drive, Solana Beach, California.

Davis, Howard R., '57, works for the Kroger Company as an Engineer and reports his address as 1543 Southridge Lane, Cincinnati 31, Ohio.

Dobyns, Philip B., Jr., '57, is now an engineer with John I. Thompson and Company of Washington, D. C. Phil was married last August and is now living at 1549 S. 28th St. #3, Arlington, Va.

Donald, Bob, '57, is working for Hughes Aircraft Co. in California. Bob was married this summer and may be reached through the Hughes Co. in Culver City, California.

Dreyfus, Daniel A., '57, was married September 21, 1957. He is now with the Texas Company as a Civil Engineer. His address is 403 E. 6th St., Lockport, Ill.

Fulcher, Robert W., '57, is now stationed at Hamilton Air Force near San Francisco, Calif. Bob worked as an electrical engineer for Vitro Corporation before entering the service.

Greblunas, Joseph, '57, is working as an Installation and Service Engineer for the General Electric Company in Baltimore, Maryland. His address is 5604 Haddon Avenue, Apartment A, Baltimore 7, Md.

Hollander, Ronald B., '57, worked as an Industrial Engineer for Vitro Corp. before entering the Air Force in September. Ronnie is currently stationed at Lowry Air Force Base, Denver, Colo.

Kee, Orron E., '57, is at the Chrysler Institute in Detroit working toward a Masters Degree in Automotive Engineering. His address is 19456 Strathmore, Detroit 35, Michigan.

Koski, Arthur E., '57, still resides at 2303 N. 10th Street, Arlington 1, Virginia. He is Western Area Project Manager for Navy Family Housing, Bureau of Yards and Docks, U. S. Navy.

Lane, Anthony T., '57, works for the U. S. Patent Office in Washington, D. C. and

is attending George Washington University Law School. His address is still 1511 N. 16th Road, Arlington, Va.

Lewis, David A., '57, is an experimental test engineer for Pratt and Whitney Aircraft and is doing work on Vibrations Instrumentation. He was married during the summer and reports his address at RFD #3, Cheney Lane, Coventry, Conn.

Manning, John R., '57, is presently attending the George Washington University Law School, and is still working for the Burroughs Corp. His address is still 2206 Eye Street, N. W., Washington, D. C.

Matthews, N. F., '57, is now working on a Masters Degree at George Washington University while teaching there in the Electrical Engineering Dept. His address is now 6408 Brookside Drive, Alexandria, Virginia.

Mikalauskas, Francis, '57, is a Design Engineer in Electronics for Convair Division of General Dynamics Corp. His address is 4143 58th St., San Diego, Calif.

Moore, Morrow H. Jr., '57, is attending the California Institute of Technology

on a fellowship. His address is Athenaeum, 551 S. Hill Ave., Pasadena, Calif.

Reber, Earl E., '57, now with Motorola Communications and Electronics, Inc., as a radio communications engineer. His address is 2077 Queen Street, Winston-Salem, North Carolina.

Rumke, Richard W., '57, is now working toward a Masters Degree in Engineering Administration at George Washington University while working for the National Academy of Sciences. His address is still 12913 Goodhill Road, Silver Spring, Maryland.

Sullivan, James E., '57, has started the Cutler-Hammer Inc. factory training program and after completion of the course, sometime near the first of the new year, he expects to be assigned as a sales engineer to one of the district sales offices. His address is 9820 W. Howard Avenue, Milwaukee 19, Wisconsin.

Swann, Earl S., '57, is working as an electronics engineer for Convair Division of General Dynamics Corp., and was recently married. Earl now lives at 4793 Mondell Terrace, San Diego 16, Calif.

A practiced blond slid onto the bar stool next to an expensively dressed westerner.

"Are you from Texas, Mister?" she asked.

"Wa-al yes, maam," he replied, "I guess I rightly am."

"You look as tho' maybe you're pretty rich!"

"Wa-al, yes, maam, I guess I rightly am."

"Do you own a lot of cattle?"

"No, maam, I don't own cattle."

"Oil, maybe?"

"No, maam, I never bought any oil wells."

"Do you own a lot of land?"

"No, maam, don't have much over 35 acres, I guess."

"Is it a little ranch?"

"No, maam, it ain't rightly a ranch."

"What do you call it, then?"

"Wa-al, I guess people mostly just call it downtown Dallas!"

An asylum patient who had been pronounced cured was saying farewell to the director of the institution.

And what are you going to do when you go out into the world?" asked the director.

"Well," said the patient. "I have passed my bar examinations, so I may practice law. I have also had quite a bit of experience in college dramatics, so I might try acting."

He paused for a minute, lost in thought. "Then, on the other hand," he continued, "I may be a teakettle."

Professor: "Tell us what you know about nitrates."

Engineer: "I don't know much about them except that they're cheaper than day rates."

Mother is always having trouble with either Father or the furnace. Every time she's watching one, the other goes out.

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