# The GEAR of THETA TAU

# *The* GEAR *of* THETA TAU


FALL, 1930

VOLUME XX NUMBER 1

# *The* GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

P. L. Mercer, Omicron '21 and J. W. Howe, Omicron '24
*Editors*

101N ENGINEERING HALL . . . . . IOWA CITY, IOWA

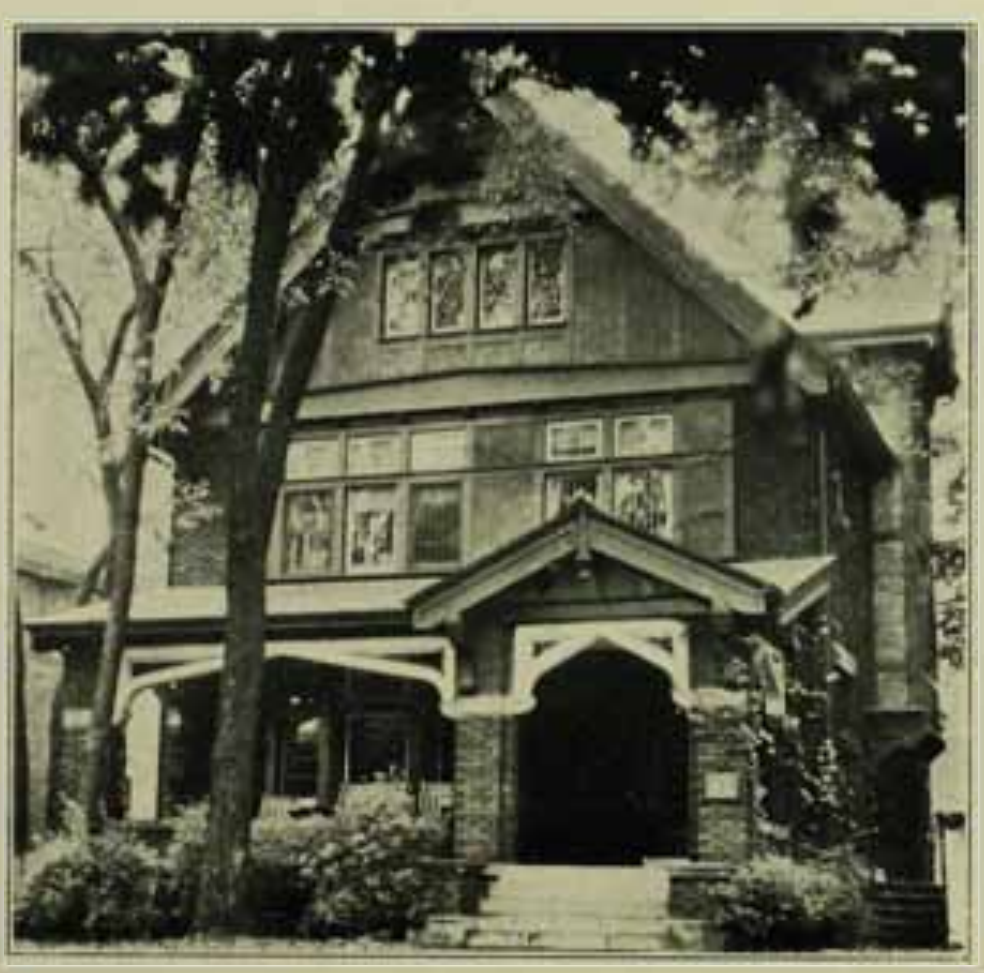
*Subscription $2.00 a Year* *Life Subscription $15.00*

VOLUME XX FALL, 1930 NUMBER 1


CONTENTS



ILLUSTRATIONS



Sigma Chapter House

## CONGRATULATIONS, SIGMA

The GEAR congratulates Sigma Chapter upon the new house which it has moved into this fall. Living conditions will undoubtedly be more pleasant than before and there will be other indirect benefits resulting from the change. We commend the initiative displayed by the brothers at Ohio State.

# *Theta Tau Fraternity*

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

## FOUNDERS

Erich J. Schrader — Isaac B. Hanks
W. Murray Lewis — Elvin L. Vinal

## EXECUTIVE COUNCIL

Prof. Richard J. Russell, Epsilon '19 . . . . . *Grand Regent*
Louisiana State University, Baton Rouge, Louisiana

Fred Coffman, Lambda '15 . . . . . *Grand Vice-Regent*
Box 489, Duke University, Durham, North Carolina

Erich J. Schrader, Alpha '01 . . . . . *Grand Scribe*
Box 244, Reno, Nevada

Prof. Jamison Vawter, Zeta '16 . . . . . *Grand Treasurer*
217 Engineering Hall, University of Illinois, Urbana, Illinois

Prof. Donald D. Curtis, Omicron '19 . . . . . *Grand Marshal*
Clemson College, South Carolina

Ralph W. Van Velkinburg, Omicron '25 . . . . *Grand Inner Guard*
Kalman Steel Company, Wrigley Building, Chicago, Illinois

H. G. Hall, Lambda '18 . . . . . *Grand Outer Guard*
407 Templeton Bldg., Salt Lake City, Utah

## DELEGATE AT LARGE

J. Sidney Marine, Eta '18 . . . . . *Past Grand Regent*
7 East 42nd Street, New York City

## ALUMNI ASSOCIATIONS

*Central Ohio*—Emmett E. Knorr, 1970 N. High Street, Columbus, Ohio.
*Chicago*—T. L. Herrick, 1543 Fargo Avenue, Chicago, Illinois.
*Cleveland*—R. G. Glass, 23401 Charadon Road, Euclid, Ohio.
*Intermountain*—A. E. Christensen, care of Christensen, Jacob & Gardner, Salt Lake City, Utah
*Southwestern*—Charles A. Kumke, P. O. Box N, Ray, Arizona.
*Los Angeles*—Walker B. Logan, 1029 Van Nuys Bldg., Los Angeles, Cal.
*Twin City*—Seth N. Witts, 11 S. 5th Street, Minneapolis, Minn.

## EMPLOYMENT BUREAU

H. G. Hall . . . . . *Director*
407 Templeton Bldg., Salt Lake City, Utah

# CHAPTERS

ALPHA, *Founded October 15, 1904* - - - University of Minnesota
(Chapter house) 629 Washington Ave., S. E., Minneapolis, Minn.

BETA, *Established March 26, 1906* - Michigan College of Mining and Tech.
(Chapter house) Theta Tau Fraternity, Houghton, Mich.

GAMMA, *Established November 8, 1907* - - Colorado School of Mines
P. O. Box 26, Golden, Colorado

DELTA, *Established May 23, 1911* - - Case School of Applied Science
Case School of Applied Science, Cleveland, Ohio

EPSILON, *Established May 4, 1912* - - - - University of California
Box, Hearst Mining Bldg., University of California, Berkeley, Calif.

ZETA, *Established April 17, 1912* - - - - - University of Kansas
(Chapter house) 1409 Tennessee Street, Lawrence, Kansas

THETA, *Established May 26, 1914* - - - - - Columbia University
Care of Prof. T. H. Harrington, Columbia University, New York City

IOTA, *Established February 3, 1916* - - - Missouri School of Mines
P. O. Box 629, Rolla, Missouri

KAPPA, *Established March 25, 1916* - - - - University of Illinois
P. O. Box 516, Station A. Champaign, Illinois

LAMBDA, *Established April 29, 1920* - - - - - University of Utah
Box 101, University of Utah, Salt Lake City, Utah

MU, *Established January 3, 1922* - - - - - - University of Alabama
Care Prof. Fred Maxwell, University, Alabama

NU, *Established January 1, 1922* - - Carnegie Institute of Technology
P. O. Box 114, Carnegie Institute of Technology, Pittsburgh, Pa.

OMICRON, *Established February 3, 1923* - - - University of Iowa
(Chapter house) 923 Iowa Avenue, Iowa City, Iowa

PI, *Established May 26, 1923* - - - - - - University of Virginia
P. O. Box 54, University, Virginia

RHO, *Established February 16, 1924* - N. C. State College of Ag. and Eng.
P. O. Box 5503, State College Station, Raleigh, N. C.

SIGMA, *Established November 29, 1924* - - - Ohio State University
(Chapter House) 1965 Indianola Ave., Columbus, Ohio

TAU, *Established December 12, 1925* - - - - Syracuse University
P. O. Box 11, University Station, Syracuse, New York

UPSILON, *Established April 7, 1928* - - - - University of Arkansas
P. O. Box 96, University Station, Fayetteville, Arkansas

PHI, *Established April 21, 1928* - - - - - - - Purdue University
(Chapter house) 40 N. Salisbury St., West Lafayette, Ind.

CHI, *Established April 23, 1930* - - - - - - University of Arizona
Theta Tau Box, Engineering Bldg., University of Arizona, Tucson, Arizona

# A HISTORY OF THE UNIVERSITY OF ARIZONA AND CHI CHAPTER

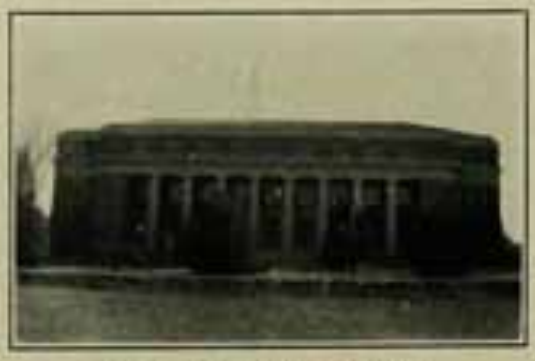
Library Building

The University of Arizona was founded by an act of the legislative assembly in 1885. The College of Agriculture, the College of Mines and Engineering, and The Agricultural Experiment Station, the three departments authorized, were organized and opened to the students in 1891 with a faculty of eight professors and instructors. Of the total of thirty-one students registered that year, twenty-two were preparatory. All the departments, at that time, were housed in the now picturesque Old Main Building. This was the beginning in a pioneer day, a whole university in a queer gabled building set in the middle of a desert in the Territory of Arizona.

For twenty years the advancement was slow; the enrollment in the preparatory department exceeded that of the University proper, and the number of graduates never exceeded ten a year. Then in 1912, Arizona was admitted to the Union; the number of high schools had multiplied and the preparatory department was closed. The attendance at the university increased eightfold in ten years.

In 1916 the University of Arizona was approved by the North Central Association of Secondary Schools, and eight years later Arizona was placed on the list of approved colleges by the Association of American Universities. At present there are over two thousand regularly enrolled students in the seven colleges: Mines and Engineering; Letters, Arts, and Sciences; Law; Agriculture; Music; Education; and Military Science and Tactics. The teaching staff is composed of one hundred and fifty instructors.

The University campus, commanding on every side a view of the close mountain ranges rising abruptly from the desert, comprises seventy-five acres laid out in drives, lawns, and gardens, with a large number of palm trees, pepper trees, and olive trees



Mines and Engineering Building

## EDITOR'S NOTE

On December 30, 1929, J. Sidney Marine, then in the chair at the Ninth Biennial Convention, rose and said, "Gentlemen, the fraternity has given birth to a child." Pi Delta Tau, a local engineering fraternity at the University of Arizona was "the child."

On April 23, 1930, Richard J. Russell, Grand Regent of Theta Tau, conducted the installation of Chi chapter and this Fall sees the beginning of Theta Tau's first year on the University of Arizona campus. The following pages give the historical and descriptive background of Chi chapter, and Brother Russell's interesting account of his visit at Tucson.

Mines and Engineering Building

section, being a division point on the main line of the Southern Pacific Railroad, students in mechanical and civil engineering have a field for observation and vacation employment.

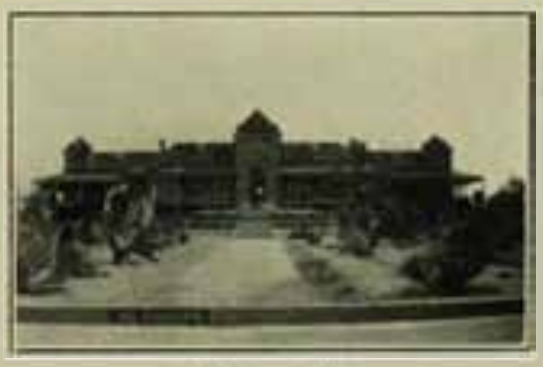
In this university, a local engineering fraternity had its beginning on October 20, 1927, when preliminary plans were made for the organization of Pi Delta Tau. The constitution of the fraternity was drawn up to embody the principles of the constitution of Theta Tau. Membership was limited to engineering students of high personal character and promising engineering ability.

Meetings were held twice each month. One of those meetings being devoted to routine business and discussion of current problems, and the other to a student discussion of vocational experiences in engineering.

During the life of the fraternity as Pi Delta Tau, it accomplished a great deal on the campus scholastically and in general activities.

When the local fraternity sent a petition to Theta Tau in 1929, members held seven offices in engineering organizations; five of the thirteen members belonged to Tau Beta Pi; and three were members of Chain Gang, the honorary tradition enforcement committee of the university. Also the group was well represented in swimming, polo, dramatics, and football, and had a member on the Student Council. Besides being active in the engineering lines, the organization had gone far in promoting and carrying on the other interests of the university.

At last our big day came, the twenty-first of April, when Dr. Richard J. Russell, Grand Regent of Theta Tau, arrived as our installing officer. We gave a banquet for him and were very pleased with the instructions and advice he gave us in his talk. On the night of April 23, 1930, ten charter members and Dean G. M. Butler of the College of Mines and Engineering, as an honorary member, were initiated. The following night the newly established chapter held its first initiation. Theta Taus from all over the State gathered and at the banquet following the initiations the "old timers" automatically took charge of the situation and had a real get together.

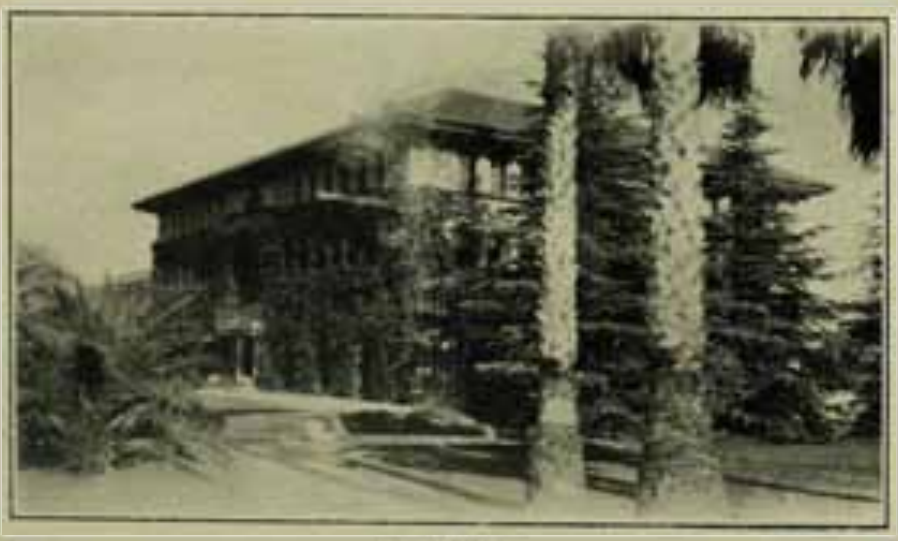


Old Main Building

Science Building

bordering the walks. The University is maintained by funds appropriated by the State of Arizona, supplemented by funds from the United States Government. The federal support comes from the provisions of the Morril Act, the Nelson Fund, and the Hatch Act. The funds from the estate come in the form of a one-mill tax on all taxable property.

Each college in the University has its necessary buildings and equipment. In the College of Mines and Engineering, besides the customary classrooms and lecture rooms are the shops and laboratories where practical instruction is given in civil, mechanical, mining, and electrical engineering. Because of its location in the neighborhood of great mines, the university offers exceptional advantages to the students of mining engineering, affording them opportunity of seeing actual mining operations. As Tucson is a railroad center of this



Law Building

of congratulation were read at the banquet which took place later. Sidney Marine's regret that Tucson lies so far from the center of the United States, 7 East 42nd Street, New York City, reminded me of the time I told him with some pride that I was moving to a city of forty thousand inhabitants to be stopped by "Just what in the Hell would a place that small look like anyway? I can't imagine it." Among alumni present particular mention should be made of the presence of Brother Chas. A. Kumke, '06, a charter member of Beta. It was indeed a pleasure for us all to actually meet in the flesh a man whose name has so long appeared in the GEAR as the Southwestern Alumni Association.

Prior to leaving Tucson, on Saturday the 26th, informal discussions were carried on with several of the Officers of the Chapter so that matters of policy, tradition, laws and regulations were explained at some length. As a substitute for our regulation that a portion of the Constitution be read at each meeting of the Chapter, it was suggested that the Regent appoint members who in rotation will take a chapter or more at a time, study it, and report its contents in their own language. This plan will substitute a perfectly practical and workable means of familiarizing the members with our laws and customs for the present regulation.

There can be no doubt but what we have an excellent chapter in Tucson. It is very probable that Chi will be our first chapter to own its own Tomb, a meeting place and useful rendezvous in which the Chapter Library will be kept. Is Chi the first chapter to initiate the son of a Theta Tau? Brother Gardner seems as proud of the fact that his son is a pledge as of the additional fact that said son stepped out in a hot competition to win a scholarship that pays his expenses through the University. The Fraternity owes a large debt of gratitude to Brother Borgquist, Brother Jimerson, and others who made it possible that the excellent group of men formerly banded together as Pi Delta Tau are now united with us in fraternal brotherhood. Personally I am indebted to the whole group for a very pleasant week in the heart of the Southwest, a region unsurpassed for hospitable, whole-hearted inhabitants. The University is glad to have Theta Tau. It has a conservative policy toward the admission of new organizations. We are on the Arizona campus without competition. With nearly fifty known alumni in Arizona prior to the installation of Chi, it will not be long before the Southwestern Alumni Association will be setting a good pace for our Intermountain, Twin City, Chicago, and other active groups. For many years, thanks to Brothers DeCamp, Kumke, and others, Theta Tau has meant much in Arizona. Now that we have an Active Chapter there we can rest assured that Arizona is going to mean much in Theta Tau.

RICHARD J. RUSSELL, Grand Regent.

---

## FOUNDER'S DAY OBSERVED AT CHI CHAPTER

Chi Chapter held its first annual celebration of Founder's Day on October 15th, 1930, with an informal dinner and program at the Grill Cafe in Tucson. Talks were given by faculty members and various alumni present. Professor H. A. Jimerson, Zeta '26, spoke on "The Founding of Theta Tau". Professor E. S. Borgquist, Lambda '11, chose as his topic, "What Theta Tau Means to the Engineering Student". Regent Jacob Erickson spoke on "Plans for 1930-31". Light entertainment was given by various members of the chapter.

Agriculture Building

Chi Chapter had been installed and had functioned. New friends, support, and guidance had been found. A pledge was taken, and there was developed a sincere enthusiasm that will always last.

---

## THE INSTALLATION OF CHI CHAPTER

The members and pledges of Pi Delta Tau, over thirty in all, held the last banquet of that organization at El Presidio Hotel, in Tucson, Arizona, the night of April 21st. At that time it was my privilege to outline nearly twenty possible activities from which a sufficient selection could be made that the group soon to be installed as Chi Chapter of Theta Tau might have an objective program sufficiently broad, practical, and definite to insure its success as an organization. Among those suggestions is one which I hope may become a Fraternity "tradition," the obligation of every Theta Tau unable to attend his chapter's Founder's Day Banquet to write a letter to his Chapter prior to October 15th each year.

On Wednesday night, April 23rd, the chapter installation and the initiation of Charter Members, a group of eleven, took place in the Engineering Building of the University. Alumni of various chapters were present in sufficient number that a complete Executive Council was represented, consisting of Brothers: Richard J. Russell, Grand Regent; Bruce R. Ellis, Alpha '08, Acting Grand Vice Regent; H. A. Jimerson, Zeta '26, Acting Grand Scribe; Fred A. Enke, Alpha '21, Acting Grand Treasurer; E. S. Borgquist, Lambda '11, Acting Grand Marshal; E. D. Gardner, Lambda '06, Acting Grand Inner Guard; and Thos. J. Long, Zeta '29, Acting Grand Outer Guard. Dean Gordon M. Butler, of the College of Mining and Engineering, was initiated as a Charter Member of the Chapter.

The following night, at the Pioneer Hotel, ten active members were initiated, the officers of the Chapter taking part in the ceremony. Letters and telegrams

"1. SCHOLARSHIP. Education is of course the function of all schools and colleges. The fraternity is an adjunct to such institutions, although it is quite often considered a parasite by some educators. The value of the fraternity to the college is determined by the aid it can and does render the college in assisting in the function of education. We all agree that the primary purpose of attending college is to educate oneself in preparation for a life work. This being the primary purpose of college, it is most reasonable to believe that the attainment of high scholarship should be made one of the chief functions of a fraternity and that the fraternity should render all aid possible to college authorities in improving the scholarship of its individual fraternity members.

"The professional fraternity possesses *greater potential opportunities* for assisting toward high scholarship than any other form of college organization, and if it neglects this object, it will fail to take advantage of what is probably the greatest chance for its permanent establishment as a constructive and justifiable organization in the minds of the public and of the university officials.

"General fraternities are giving the subject of scholarship especial attention at this time, and if the professional fraternity fails to do likewise it will suffer accordingly. It behooves the Professional Interfraternity Conference and its member fraternities to seek to emphasize high scholarship in every possible way and endeavor to have each individual chapter of each member fraternity improve its scholarship standards. If each professional fraternity will emphasize high scholarship through the columns of its official magazine beginning with the first issue this fall, there will take place a corresponding reaction in favor of professional fraternities which will do much to more strongly intrench them. This subject is of such importance that it should by all means receive thorough consideration at the meeting of the Conference this fall.

"2. FORMATION OF LOCAL PROFESSIONAL INTERFRATERNITY COUNCILS. In practically every university the general fraternities have formed local interfraternity councils, composed of all general fraternities in these universities, membership in which is denied the professional fraternities. As a result, the general fraternities, through co-operative action, have obtained many benefits over professional fraternities, thus placing the professional fraternities in a subordinate and defensive position to the general fraternities.

"At its meeting last fall, the Professional Interfraternity Conference approved the establishment of local professional interfraternity councils, but so far no definite action has been taken toward achieving this result. The formation of such local professional interfraternity councils is of course a responsibility of the professional fraternities located in the various universities, and the organization work for the formation of such councils in the various universities must be done by the individual chapters of professional fraternities located in these universities.

"The Secretary of the Professional Interfraternity Conference takes the liberty of suggesting to each member fraternity of the Conference that it write each of its chapters and suggest that each chapter co-operate with the other chapters of the fraternities which are members of the Professional Interfraternity Conference toward the formation of a local professional interfraternity council. As to whether or not the chapters of professional fraternities which are not members of the Conference should be admitted to membership in local professional interfraternity councils, is a subject which may well be dis-

# THE PROFESSIONAL INTERFRATERNITY CONFERENCE

1050 North Delaware Street,
Indianapolis, Indiana, Sept. 2, 1930

*To Member Fraternities of the Professional Interfraternity Conference:*

"The value of the Professional Interfraternity Conference is to a great degree determined by the co-operative action of its member fraternities toward the attainment of constructive objectives. There has been some comment to the effect that membership in the Conference has not proved of particular value to the member fraternities. In this connection, however, it might be pointed out that rarely, if ever, is it possible during the preliminary stages of organization for a body of this kind to determine and achieve those things which will prove of immediate benefit to it and to its members.

"Naturally, the first two years of the existence of the Conference have been devoted more to establishing its organization and administration than attempting to achieve objectives specifically intended to further the interests of the professional fraternity in the various universities of the country.

"The preliminary period of organization of the Professional Interfraternity Conference has now taken place, and while it is quite likely that there is still room for improvement with respect to its administrative functions, such improvements can, and no doubt will, be made as the occasion presents itself and as the work of the Conference progresses.

"Possessing a membership of 29 leading professional fraternities, the Conference is now in position to institute activity tending to improve the situation of professional fraternities in relation to general fraternities and more strongly intrench the professional fraternity as a more valuable adjunct to national and local educational and university life. In order to attain such objectives, however, it is necessary for the conference to have the co-operation of each individual member fraternity. Granted such co-operation, there is little doubt but that the results of such action will prove constructive and far reaching.

## OBJECTIVES

"There are four objectives, the attainment of which should not be delayed, and each member fraternity is asked to extend its aid in attaining them. The first and third have not been officially acted upon by the Conference in session assembled, but their value is so evident that the Secretary of the Conference is taking the liberty of calling the attention of member fraternities to them in order that they may be emphasized beginning with this school year. Needless to say, the greater publicity given the co-operative and constructive work of the Conference, the greater will become the value of it in the minds of the university public. The greatest means for the dissemination of such knowledge is through the official publications of the various member fraternities, and it is hoped that beginning with this fall, each member fraternity will seek to emphasize the attainment of these four objectives both by word of mouth and by printed page. The four objectives in question are:

college annual, the editor of the college paper, and such other individuals as might be in a position to assist in the prevention of erroneous classification.

"It is hoped that each member fraternity will give these subjects attention and seek to carry out their own individual responsibilities with respect to their attainment.

"The Secretary of the Professional Interfraternity Conference would appreciate comments and suggestions respecting them and such other questions as member fraternities feel would be valuable for the Confernce to act upon in order that all possible benefits from membership in the Professional Interfraternity Conference may be realized.

"The Professional Interfraternity Conference has passed through its preliminary stages and is now in a position to plan and carry out constructive work for the benefit of its member fraternities. We believe that there is a new era opening up for the professional fraternity and that a realization of its present opportunities and a sincere desire on its part to prove of service and benefit both to education and to its members will result in its establishment beyond peradventure of a doubt as a most valuable and worthy educational adjunct. This being true, the greater co-operation extended by the member fraternities in assisting the Professional Interfraternity Conference in attaining worthwhile things, the quicker will we all reap the benefits."

THE PROFESSIONAL INTERFRATERNITY CONFERENCE,
J. D. Sparks, *Secretary-Treasurer.*

---

## THE SCHOLASTIC MORTALITY RATE

Christian Gauss, Dean of the college, Princeton University, in a recent article entitled "Why Students Fail", quotes some statistics on engineering education. He states that in an investigation conducted by "The Society for the Promotion of Engineering Education", it was found that out of every one hundred entering students, but sixty-two successfully completed their first year, and went on with their class, and forty-two completed the first two years. The others were dropped from college for various reasons, but the predominant reason was given as scholastic failure. Of every three men who enter college, two never finish. The exact terms show that anly 37½ percent ever leave with a diploma.

These statistics which have been compiled from investigations at the different engineering colleges throughout the country show the average mortality rate among those studying to enter the engineering field.

The conclusion to be drawn by us from a report of this nature are obvious. If we are not to be numbered among the casualties our best efforts must be put forth at all times.—*The Tech Engineering News.*

---

STUDENT CONSTRUCTORS. In granting a charter for a student chapter to the North Carolina State College, the Associated General Contractors have taken a forward step in creating an interest in construction among undergraduates. Actual teaching of construction in technical schools is, for the most part, neither practicable nor desirable. But to give the student an insight into the construction field and its opportunities, to give him a preliminary idea of construction procedure, and to indicate the type of mind and disposition best suited for construction is desirable work that can be carried on by contact between the national association and branch and student chapters.

—*Engineering News Record.*

cussed at the next meeting of the Conference. If each fraternity to whom this letter is addressed will point out to its individual chapters the value of the formation of a local professional interfraternity council, there is little doubt but that many of these councils will be formed and that the position of the professional fraternity in the various universities will be strengthened to a great degree.

"3. USE OF THE TERM "GENERAL FRATERNITY," INSTEAD OF "SOCIAL FRATERNITY". The term "social fraternity" is used almost without exception to designate the general fraternity. This term is not only incorrect, but it is misleading, for it tends to infer the superiority of the social relationship in the general fraternity over the social relationship in the professional fraternity. As a matter of fact, there is and should be just as much of a social relationship in a professional fraternity as there is in a general fraternity. The only difference between the general or so-called "social fraternity" and the professional fraternity is that the general fraternity pledges and initiates men from all the respective colleges of a university whereas the professional fraternity restricts its pledging and initiating to men who are enrolled in a particular professional college.

"It is suggested to all member fraternities that for the purpose of correcting this erroneous interpretation, the name "general fraternity" be used in preference to "social fraternity".

"Institution of this usage on the part of professional fraternities should clarify to a great degree the misunderstanding which now exists in the minds of many individuals respecting the major difference between general and professional fraternities.

"4. PROPER LISTING OF PROFESSIONAL FRATERNITIES. The last meeting of the Conference approved action toward definitely establishing the status of professional fraternities in the minds of college faculties and for the correction of their frequent erroneous listing. It is definitely established that those fraternities which are members of the Professional Interfraternity Conference are professional fraternities, but there is still considerable doubt as to whether certain other fraternities which classify themselves as professional, honorary professional, social professional, and so forth, are professional fraternities.

"The Professional Interfraternity Conference possesses practically all the leading professional fraternities as members; therefore, it is directly concerned with their welfare, and not so much with the welfare of fraternities which are not members. It is therefore in order that we establish the correct classification of our member fraternities in the minds of faculties and students. This can be accomplished more effectively by constant emphasis on the fact that these fraternities are professional fraternities, through the medium of their respective official publications, by word of mouth, and by letters directed to the proper officials in the various universities.

"A letter to the individual chapters of each member fraternity, specifying the names of the member fraternities of the Professional Interfraternity Conference and requiring that this chapter take up with the proper individuals of the university the matter of their proper classification, should obtain results. Among the proper individuals whom the chapter should approach with respect to the subject would be the dean, or assistant dean, of men, the editor of the

exclusive of Life Subscriptions or Life Membership, and that this particular fee alone ranges from $15.00 to $50.00. It can not be said, therefore, that our plan is a burdensome one for any member.

I am pleased to say that since the last issue of the GEAR a new chapter has been installed by the Grand Regent at the University of Arizona, and that the installation was attended by a large number of the alumni of the vicinity.

In H & T,

ERICH J. SCHRADER, *Grand Scribe.*

---

## INTRODUCING HUBERT G. HALL

Hubert G. Hall, Lambda '18, is our newly elected Grand Outer Guard. Chosen for this office by the Ninth Biennial Convention, he also has charge of the Fraternity's Employment Bureau.

Brother Hall was born in Centerville, Utah, on December 28, 1895, but moved with his parents to Mexico City, Mexico, in 1896 where he spent his boyhood days and where he attended German, French and Spanish grammar and commercial schools. In 1912, due to the revolutions that racked Mexico during the regimes of Presidents Diaz and Madero the hotel business in which his father was engaged met with reverses and Brother Hall returned to Utah, this time to Salt Lake City. From 1912 to 1914 he attended L. D. S. High School, Salt Lake City and from 1914 to 1918 he attended the University of Utah where he received the degree of B. S. in Civil Engineering. While at the

# A WORD FROM ERICH SCHRADER

*To all members:*
Fraternal Greeting:

We have now started a new college year and I wish to take this opportunity of sending my best wishes to all of the chapters.

I hope that none of the chapters will hesitate to write to me about any problems that may come up during the year.

In the past year the Fraternity has taken an important forward step in the establishing of a Life Subscription plan for all members. We hope to get a large number of alumni members and to make our magazine second to none among the professional fraternities.

In looking over a booklet of the national policies of the leading professional fraternities, I note that several of our competitors in our own field have initiation fees as high as $50.00 which includes their own life subscription plans. I also note that among the others there are only three who have a lower national initiation fee than we and that most of them range from $10.00 to $25.00,

In Memoriam

University he was a member of U. Techs, an engineering club which petitioned Theta Tau and became Lambda Chapter in 1920.

Following the entrance of the United States into the World War, Hall enlisted in the Engineering Corps on January 14, 1918 and was sent first to the E. O. T. R., Camp Lee, Va., and later to Camp Humphries, Va., where he received his discharge on November 28, 1918.

During 1918-1920 Brother Hall served as engineer on location, design and construction of highways with the Salt Lake County Engineering Department, Utah. In 1921 he went with Caldwell & Richards, Engineers, Salt Lake City, as a drainage engineer engaged in field work. Six months after starting work for Caldwell & Richards he became a member of the firm and has been with them since. In the period from 1921 to 1930 the firm has handled the design, supervision and construction of irrigation and drainage districts to the extent of 150,000 acres in Utah and 75,000 acres in California and has had charge of design, supervision and construction of hydroelectric power plants, municipal waterworks, sewer systems, sidewalks, curb and gutter and paving contracts. They maintain offices in Salt Lake City, Utah, and Los Angeles, California. Albert Z. Richards of the firm is also a Theta Tau from Lambda Chapter, Class of 1905.

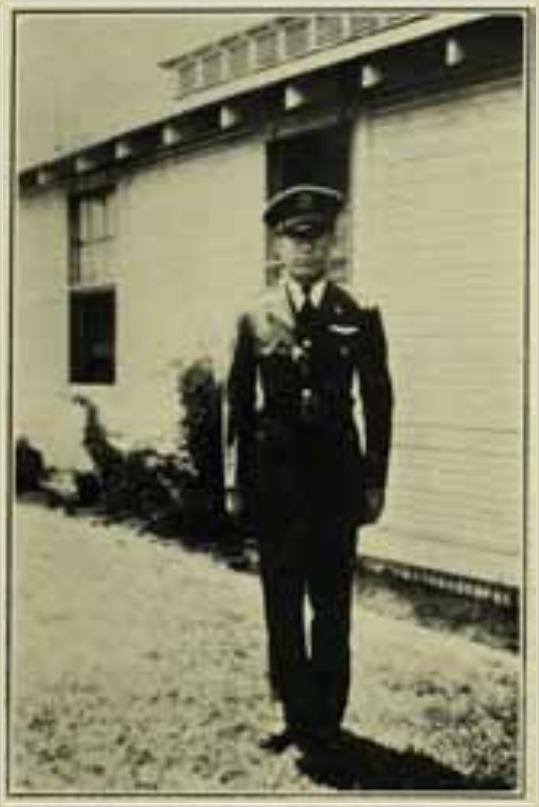
In 1917, Hubert G. Hall and Almeada M. Eardley were united in marriage. They have four children, one girl and three boys of whom one boy is deceased. Brother Hall's hobby is scouting. He has served as Scoutmaster for six years with Troop No. 36, Salt Lake Council, Boy Scouts of America.

Since college days, in addition to all his other activities, Brother Hall has found much time to devote to Theta Tau. He has been a loyal member of the Intermountain Alumni Association since 1921 and has served it as Secretary for four years, President one year and Member of the Executive Committee for two years. His record with the I. A. A. is indicative of his interest in the Fraternity and his success in the Association work is assurance of his success as Grand Outer Guard and as head of Theta Tau's Employment Bureau.

## SOCIAL CONSEQUENCES OF ENGINEERING PROGRESS

One idea that came to the surface at the World Engineering Congress is the social consequences of engineering progress. Human welfare as the true aim of engineering was repeatedly touched upon in the addresses of Prince Chichibu and the officers of the Congress as well as in the speeches at the social functions, and this was the topic of Past-President Smith's speech at the American dinner to the Japanese and other delegations. World peace was also a thought constantly in mind as these engineers from many nations met in international conference. The conviction grew that modern engineering has its greatest triumphs in civil life, even though military engineering was so prominent in the earlier period of development of the art. Engineering that serves industry is the indirect but extremely practical avenue of approach to peace and prosperity.

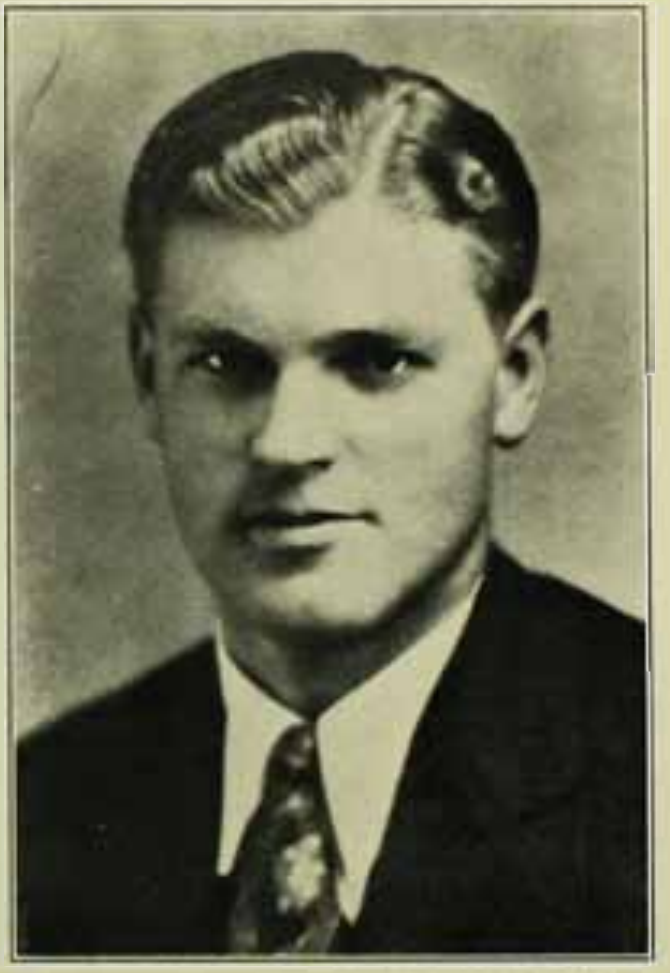
Another gratifying item in the picture of the World Engineering Congress at Tokyo was the prevalence of English as the language of the Congress. At technical sessions and at social functions alike, English was essentially the only foreign language used. Possibly our European friends thus diplomatically glossed over the American inaptitude for language study. At the closing ceremony of the dozen National responses, better than 90 percent indorsement of English as the universal language for engineers.—*Mining and Metallurgy.*



MILLER H. TROUP, ZETA '28

Miller Hannan Troup, son of Mr. and Mrs. C. M. Troup, was born in Abilene, Kansas, on May 22nd, 1901, and was killed in air formation at Kelly Field, Advanced Flying School, June 13th, 1929, at the age of twenty-four years and twenty-two days. His early life was spent in Abilene, Kansas, where he graduated from Abilene High School in 1923. He entered the University of Kansas in the fall of 1924, from which he was graduated in June, 1928. He was a member of the Kansas U. bank and the interfraternity basketball teams. He was a member of Zeta Chapter of Theta Tau and also of Phi Gamma Delta, general fraternity. He received a Second Lieutenant Commission from the R. O. T. C. Among other organizations he was a member of the Presbyterian Church and the DeMolays.

He passed the examination for the army air service at Ft. Riley in April, 1928, and was sent to the primary training school at Riverside, California, from which he was graduated in February, 1929. He played on the army basketball team and had a number of pleasant air trips. Miller entered the Advanced School at Kelly Field, March 1st, 1929, and would have graduated in July, if he had lived. He had been assigned to Rockwell Field, California for a year's active service. He loved aviation and could not be persuaded to leave it. He leaves his parents and one sister, Lorna, to mourn his untimely death. To them Theta Tau extends its whole hearted sympathy.



JAMES IRVIN FARRELL, LAMBDA '27

James Irvin Farrell, an engineer for the General Electric Company at Salt Lake City, Utah, and a graduate of the University of Utah, died April 10th, 1930, at a hospital from complications following an operation for appendicitis.

He was born on January 3, 1904, at Salt Lake, the son of A. J. and Mary Faddis Farrell of Hoytsville. He was the grandson of James Farrell, prominent Park City mining man.

After graduation from the North Summit High School he entered the University of Utah, where he became prominent in student activities. He was president of the University Engineering Society and a member of Beta Theta Pi, national college general fraternity, and Theta Tau, engineering fraternity.

After his graduation in 1927, he went to the laboratories of the General Electric Company at Schenectady, N. Y., where he remained until being transferred to Salt Lake last January.

In addition to his parents, Brother Farrell is survived by his widow, Mrs. Benon Blonquist Farrell, and two sisters, Mrs. Byron Halverson of Los Angeles and Miss Margaret Farrell of Hoytsville. His brothers in Theta Tau extend sincere sympathy to those relatives and friends who will feel his loss most keenly.

## HENRY FREDERICK HECKROTH, NU '31

Henry Frederick Heckroth was born April 24, 1904. He attended Germantown High School for three years, after which he worked for Western Union as multiplex telegraph operator in New York, Philadelphia and in Palm Beach.

He then attended Brown Preparatory School in Philadelphia for one year, and was graduated from that school in 1927. While at Brown he took an active part in activities, especially in the school publications.

The following year he entered the Carnegie Institute of Technology as a freshman of the class of '31. While attending Tech he continued his connection in Pittsburgh with Western Union until last year when he took up the teaching of mathematics in night school.

He was a member of Tau Beta Pi Honorary Fraternity; and held the office of Inner Guard in Theta Tau.

On June 16, 1929, he was united in marriage with Miss Mary Gomory and they made their home in Ben Avon, Pennsylvania.

Following a brief illness, he died on June 18, 1930, at the Presbyterian Hospital in Pittsburgh.

The passing of Brother Heckroth has been a severe loss to his many friends and to his brothers in Theta Tau.

*The* GEAR *of* THETA TAU
OFFICIAL PUBLICATION OF THE FRATERNITY

P. L. Mercer, Omicron '21 and J. W. Howe, Omicron '24
*Editors*
101N ENGINEERING HALL . . . . . IOWA CITY, IOWA

*Subscription* $2.00 *a Year* *Life Subscription* $15.00

VOLUME XX FALL, 1930 NUMBER 1

## LIFE MEMBERSHIP

The ratification by the active chapters of the life membership plan approved by the convention was one of the most constructive steps ever taken by the fraternity. As a means of keeping alumni in touch with fraternity activities, the GEAR is in an ideal position. The problem in the past has been to interest the average alumnus in the magazine. The press of business and the opening of new interests frequently draw the college man completely away from his academic associations. He usually regrets it but never finds time to remedy the situation. If, however, the GEAR continues to arrive through the years without requiring the bother of annual subscription renewals, there can be no doubt that it will be read with interest and will serve to develop a closer bond between all brothers in Theta Tau. The men of the active chapters are to be congratulated upon their foresight and good judgment as indicated by their votes on life membership.

While this action is splendid for all our future graduates, the legislation also offers a comparable opportunity to present alumni. To those of us who are now out of school, the cost or investment, we might better say, for life subscriptions has been set at $15.00. The present yearly subscription rate of $2.00 will, of course, be continued but it is apparent that the life subscription plan offers great savings in a period of just a few years. Many alumni have expressed a desire for the permanent subscriber arrangement. Now let's see how many will "crash through" before the next issue goes to press.

---

## OBJECTIVES

When a pilot takes the helm of a ship it is rather essential to efficient performance that he know his destination and the best way of getting there. It will help, also, if the members of the crew are familiar with the course.

The captain who leads his company against the enemy line must know his objective and be familiar with the nature of the obstacles confronting him. Success is still more certain if his men have an intelligent idea of what is to be done.

In a less dramatic but none the less positive sense the leader of a fraternity will meet with more success if he is cognizant of his objectives and the best way of attaining them. He will be greatly aided if his brother actives also understand why they are organized and what they are trying to do.

On page 12 will be found a letter from the National Professional Interfraternity Conference which gives some of the objects which its member organizations should hold before them. THETA TAU as one of the members of this conference should strive to live up to the code of professional fraternities. It is hoped that the chapter officers and actives will read this communication and be guided by it in directing their chapter activities during the present year.

## THE EMPLOYMENT BUREAU

These are serious days for employment bureaus. The "repression," as Amos and Andy call it, is upon us. There are more men looking for work than businesses looking for workers. The engineering field is not different from others for Brother Hall reports that our Fraternity Employment Bureau has much more correspondence from men seeking employment than from employers seeking men.

But this condition will not always prevail. Soon the tide will turn and qualified engineers will be in demand. Many of our older members who are in responsible positions will be casting about, looking for just the right men to fit in their organizations. When that time comes we are hopeful that these members will remember the Fraternity's Employment Bureau. The service of this bureau offers as much to them as to the younger members who are looking for jobs. Through it the employer is assured of getting a man who has been selected by his fellows as above the average in integrity, manliness, and other characteristics which are as important in business associations as in fraternal associations. Men of varied experience, as well as recent graduates, will be found listed with the bureau and in difficult cases the bureau is well equipped to find the man needed.

It is obvious that if the employment bureau is a success it offers great possibilities for strengthening the bonds of THETA TAU. Through greater use of this agency the Fraternity will approach more closely the ideals of its founders and will make the Fraternity reach closer to us as individuals. Will not you alumni who are employing engineers help make this service a success by listing your vacancies with the bureau? Address H. G. Hall, 407 Templeton Building, Salt Lake City, Utah.

## PROFESSIONAL FRATERNITIES

Fraternities, being college and university organizations, originate among the students on the campus and recruit their membership from the same source. They exist as a result of the same aspect of human nature which brings about the formation of exclusive clubs and societies in the world outside of the college and which causes small boys to form "gangs" and makes organizations for boys and men, from the Boy Scouts to the Masons, so attractive. Nearly all members of the human race delight in becoming associated with others of congenial tastes in groups to which not all obtain admittance. What could be more natural than the desire of those preparing to follow the same profession to join into a band including only the chosen few of the group, those whose academic standing and personal traits show promise of professional success?

But is this formation of exclusive groups, although natural, a desirable thing? Is it best for a student to associate within intimate fraternial bonds with those of his chosen profession? Will this not tend to accentuate his tendency to restrict his interests and efforts to those subjects bearing directly upon his prospective professions? These questions must be considered carefully before we can determine the merits of the professional fraternity man from the standpoint of the student.

First, we must remember that no two people, however closely their interests may coincide, are exactly the same in their tastes, ideas, and points of view. All physicians are physicians and all chemists, chemists, but there the resemblance largely disappears. So, in a professional fraternity a student's vision will be broadened by human contacts and even his understanding of his chosen field will be increased by an interchange of ideas among students seeing their problems each from his own angle. Further, contacts with older students, faculty members, and alumni will serve to oppose too narrow an attitude toward the subjects studied. The older men have gained through experience an appreciation of the supporting courses, an appreciation which they will try to develop in the younger students. Also, the professional fraternity, like the academic social fraternity, provides a common meeting ground in the social life of its members, something extremely important to the student, especially in the larger universities. In this respect the professional fraternities fill an unusually important place. Since the professions attract relatively few sons of wealth, the social activities of the professional fraternities are usually more modest than are those of many other student organizations so that the members are very rarely prevented from taking part for financial reasons.

From the standpoint of the faculty member, the professional fraternity offers an opportunity for contacts with the student in a much more informal way than is possible in the classroom. He can get to know the character of his students and to understand them better, a tremendous help in carrying out his future task of aiding them in becoming properly placed in the profession.

The professional fraternities often serve as nuclei for student group meetings to which outside speakers are invited. They also help greatly in the administration of departmental clubs, working with the faculty in attracting non-fraternity students to club meetings. Many a departmental club is largely maintained by the desire of members of a professional fraternity to bring glory to their fraternity by running a student organization.

In many cases membership in a professional fraternity does not degenerate upon graduation into a mere matter of owning a badge which is so safely stowed away that even the owner cannot find it. Since the members are united not only by the bond of ritual but also by life interests in common, there are professional chapters to be found where the alumni may continue to take an active part in fraternity affairs, and, what is more important, find a social organization of like-minded men available for them. Here they may meet their colleagues in a not too professional atmosphere. These groups are especially valuable for the young man who has just graduated, although their benefits are not lost in later years.

The professional fraternity man is provided with a ready made introduction to many in his profession. If the fraternity succeeds in maintaining high membership standards, its members will come well recommended to those who only know of the organization. Many professional fraternity men find that it helps

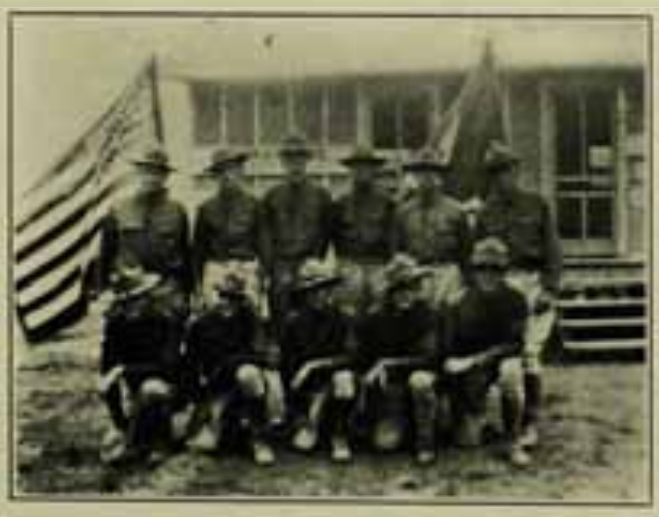
to mention the fraternity in applying for a position whether the application is directed to a member or not.

In the last analysis, the value of a professional fraternity to its members and to the institutions in which chapters are located is entirely dependent upon the individual members. The member who contributes to the welfare of his chapter and the chapter which works for the good of its college or university will find the organization well worthwhile. Both they and the institution will gain. The member will learn much through his fraternity experiences and will earn the friendship of his brothers, the institution will profit by the efforts of a group of loyal supporters. The man who merely accepts membership without any personal contributions of effort will find the fraternity a useless organization. He only wastes his time and money in joining. There can be nothing gained without paying the price, and no fraternity is an exception to the rule.

—*The Hexagon* of Alpha Chi Sigma.

---

## RESERVE OFFICERS TRAINING CAMP



STANDING: Left to right: W. R. Fiedler, Sigma; D. C. French, Sigma; Pledge C. Bryson, Sigma; M. Gay, Zeta; M. R. Chandler, Phi; R. C. Hansen, Zeta.
KNEELING: Left to right: I. T. Fenneman, Sigma; G. A. White, Zeta; H. Holtan, Alpha; K. Dis, Phi; G. R. Gotsnup, Phi.

During the first six weeks of the past summer the above members and pledges of Theta Tau enjoyed each others' companionship at the Reserve Officers Training Camp at Camp Knox, Kentucky. The true Theta Tau spirit was always prevalent in this group of young college men.

The group was well diversified as to representation in the various branches of military service, namely: Coast Artillery, Infantry, and Field Artillery. Each man performed his assigned task as a trained soldier should, and at the end of the training period was highly commended for his respective part in military duties.

# LETTERS FROM THE CHAPTERS

## ALPHA

The beginning of the school year finds Alpha preparing to keep up the high scholastic standards that the chapter enjoyed last year. Theta Tau ranked first among the engineering fraternities on the Minnesota Campus with a 1.452 average for the school year of 1929-30. Many of the brothers that helped in upholding Alpha's high standing have now graduated and have left a very noticeable hole in the active chapter,—a hole which we hope to partly fill with freshman miners.

Many of Alpha's officers that were elected last year have had the unexpected happen to them and have not been able to return to school so their places have been filled with newly elected officers. Irving T. Sommermeyer has been to the Great Lakes training station, and returned just after the vacancy of the office he held had been filled. Stanton T. Smith has a good job with the U. S. Coastal and Geodetic Survey so he will not be back until the following school year. Our present officers are: Regent, Rudolph T. Hanson; Vice Regent, Alfred J. Werner; Treasurer, Roy L. Grover; Steward, Lawrence J. Oberg; Scribe, Francis J. Biltz; Corresponding Secretary, George B. Brimhall; Marshal, Leslie G. Haverland; Inner Guard, Harold H. Christoph; Outer Guard, George W. Mather.

Social activities at Alpha have started. The Founder's Day Banquet is to be given at the Francis Drake Hotel, October 15th and our fall party is to be held at Lowell Inn in Stillwater the night of Minnesota's Homecoming, November 1st. A miners' smoker was held recently at the chapter house and many fine students were entertained and discussed; the discussing was done after the smoker, however, and many were the prospects thereof.

Alpha was represented in Sigma Xi, the highest honorary fraternity on the campus, by Clarence Kutz, a graduate geologist of 1930 class. Brother Kutz received this honor on the merits of his senior thesis, "The Origin of the Gold in the Homestake Gold Mines in the Black Hills". Brothers Clarence Kutz, Rex Anderson, Ray Hertel, Adolph Ringer, Ernest Kron, Donald Kendall, Karl Sommermeyer, all seniors; and one junior, Rudolph Hanson, were elected to Tau Beta Pi. Rudolph Hanson is now president of Tau Beta Pi and also of Eta Kappa Nu. Four of our graduates: Brother Carrol Elliot, Curtiss Crippen, Adolph Ringer and Ransford Fenton were awarded the distinction of being a Plumb Bob member. The Plumb Bob is a local honorary service organization for graduating engineers.

Touch-ball is the predominate sport that the more or less serious minded engineers seem to indulge in at present, although tennis and golf seem to make a diversion from the "old grind" too. Brother Leslie G. Haverland is our touch-ball mentor and although we have had no games, as yet, the outlook seems cheerful. There are several men back from the previous year and with Harold Christoph to pass the oval we are confident that another cup will decorate our piano.

Brother Clifford O. Anderson is back in school after a trip around the world on board a freighter. Brother Anderson had lots of work but not very much shore leave. He says that the trip could have contained a little more spice and

still have been enjoyed. He is resuming his studies of Mechanical Engineering. Irving T. Sommermeyer was taking the flight course at the Great Lakes but due to the fact that the class was too large has returned to school. He is now enrolled in the Aeronautical Engineering school but expects to go back to the Great Lakes next summer and resume his flying.

Alpha was represented in the military department through the appointment of Francis J. Biltz as Cadet Lieutenant Colonel; Martin A. Agather, Cadet Major; and Webster F. Soules as Cadet Captain, all of the signal corps; while in the Coast Artillery we have Robert C. Ramsdell as Cadet Captain. Thus Alpha is trying in many ways to at least keep up to the accomplishments of our predecessors.

GEORGE B. BRIMHALL, '32

Minneapolis, Minn., October 11th, 1930.

---

## BETA

The year 1930-31 has started successfully for Beta with thirty-two active members and two pledges. The men initiated last spring were W. R. Atkins, Duluth, Minnesota; A. L. Johnson, Gwinn, Michigan; K. E. Spencer, Rochester, Michigan; C. L. Webb, and J. C. Walker, both of Battle Creek, Michigan.

Professor Baxter, head of the Civil and Mining Departments, gave an inspiring and effective talk at our professional meeting. Dr. Hotchkiss, President of Michigan Tech., also talked at one of our meetings. He explained in detail the sulphur mines in Texas and Louisiana. As he was on the federal committee to determine royalties on this valuable land he was in a position to give some very important points on this type of mining.

The chapter received second place in the intramural sports which ended last spring term and the brothers are back working harder than before to attain the highest place this year. We were also well represented in football and basketball.

On the Campus Beta has taken a great interest in all activities having a number of brothers in the class offices. On the Lode staff and in the R. O. T. C. some of the higher offices are held by our boys.

The new Engineering Building is rapidly drawing to completion and soon classes will be held there thus relieving more or less crowded conditions heretofore prevailing. The enrollment of the college has greatly increased this year, the total rising to over 530 students. The freshman class is thirty percent larger than it was in 1929-30, giving Theta Tau a much larger group from which to choose its pledgemen.

The following officers were elected at the close of last spring term to direct activities of the chapter for the ensuing year: Regent, B. J. Werkowski; Vice Regent, W. B. Gertz; Scribe, H. J. Schroeder; Treasurer, A. C. Hawn; Steward, G. N. Thresher.

Those who have been lost through graduation last June are brothers R. B. Kropf and T. R. Supple. With the last initiation and with the return of a number of the older members the vacancy made by these two brothers will be partially filled. Brother Bastain is back for a short term's work and among the brothers that have been out a year or more are L. Tonne, H. Zwart, E. Blanchard, H. Crecine, and M. Baker. Sixteen of our active members are

seniors and it will, therefore, be necessary for us to get busy and pledge some more men. At the present time there are twenty-eight staying at the house so we are in a good condition financially.

Our scholastic condition has been kept up to the standard by all the brothers and we now rank second among the fraternities on the campus for honors in academic work. Brother Thresher has been elected to Tau Beta Pi.

We sincerely hope that the outlook of the other chapters is as promising as it is here and we wish all of them a successful and prosperous year.

E. H. SCHROEDER, '32

Houghton, Mich., October 11, 1930.

## GAMMA

Gamma Chapter has started on another year with all hopes and expectations of success. Twenty men have returned and have taken up their respective duties for the coming year. Brother Ted Adams, '29, has returned to work for his Master's degree.

We are, as usual, well represented on the football field with Bonnet, Eads, Burrell, Rice, Woodburn, Pressett, W. Adams, T. Adams, Barker, Robison, McClave, Wilkerson, and Bond all working hard under Brother George H. Allen, our head football coach.

We boast three members of Tau Beta Pi, namely: Bonnet, Burrell and Robison.

We have again been challenged by our competitors, Sigma Gamma Epsilon, to a polo game on burros (rocky Mountain Canaries). This is an annual event which is played off between the halves of our homecoming game. We have never lost the match and are not breaking any traditions now.

We have a new brother on the faculty. He is Brother Jacobson, Alpha, a new Metallurgy Professor.

The officers for the coming year are: Bonnet, Regent; Coolbaugh, Vice-Regent; Dickey, Treasurer; Robison, Scribe; Barker, Corresponding Secretary; Trumbull, Marshal.

JOHN L. ROBISON, '30

Golden, Colo., October 12, 1930.

## DELTA

The year just closed was a very successful one for Delta Chapter. Of the twenty four seniors that were graduated last June, ten were also members of Tau Beta Pi. They were: C. A. Davies, L. W. Fraser, W. R. Johnson, F. K. Koerner, A. I. Schau, H. W. Smith, H. L. Snead, E. W. Vaughn, R. R. Wilson, and S. N. Van Voorhis. Several were elected to Sigma Xi, among them were L. W. Fraser, H. W. Smith, S. N. Van Voorhis, E. W. Vaughn.

Delta Chapter was also well represented in other activities. Twelve of the members made Case Honor Keys which are given as a recognition of commendable participation in student activities. Those who were awarded keys are: C. A. Davies, H. W. Smith, C. B. Spangenberg, R. C. Taft, E. W. Vaughn, E. B. Volmar, W. W. Dill, J. T. Leach, F. P. McLain, W. R. Persons, T. D. West, W. R. Johnson and M. M. McGrew.

Varsity letters were awarded to fourteen. They were: T. H. Anspacher,

W. W. Dill, F. Hersegh, J. S. Hudson, W. R. Persons, H. L. Snead, C. R. Spangenberg, A. J. Tyler, E. B. Volmar, M. A. Weppner, R. R. Wilson, C. E. Windecker, R. G. Wintrich.

Delta begins the fall term of the year 1930 with ten actives, all of whom are seniors and twenty five pledges. The officers for the new year are: M. McGrew, Regent; F. S. Ebinger, Vice-Regent; F. P. McLain, Scribe; J. T. Leach, Treasurer; W. O. Binder, Corresponding Secretary.

The present actives are very well represented upon the campus. M. McGrew is editor of the *Case Tech* and F. P. McLain the business manager. M. A. Weppner is captain of the football team and W. O. Binder is senior manager. W. R. Persons and W. W. Dill are letter men in basketball.

We plan to hold regular luncheon meetings every two weeks at which special speakers will give talks of professional interest. The speakers will include prominent members of the Case faculty and men successful in the industrial and business world.

At the present time there are nine members on the faculty at Case who are members of Theta Tau. They are all from Delta Chapter. A. A. Bates, former instructor in Metallurgy at Case and an alumnus of Delta Chapter is now studying in France for his Doctor's Degree.

The chapter appreciates the interest which Dr. F. R. VanHorn, Professor of Geology and Mineralogy, has taken. A great deal of the success of Theta Tau at Case is due to his leadership and guidance.

WILLIAM BINDER, '31

Cleveland, Ohio, October 16, 1930.

---

## EPSILON

Epsilon Chapter has started off the year with many things planned. To make up for the loss of several men with graduation in May, we have initiated six new men. They are: Ed Hassen, John Reynolds, John Bradley, Eric Bradshaw, Thomas Fitzgerald, and Juan Victoria. An open house to get acquainted with the fellows was held on September 12th. Dr. Chaney, well known as a Paleo-Botanist, told us many humorous incidents of his travels in Mongolia. Initiation of the new men took place on September 25th, with the Initiation Banquet in San Francisco in the evening.

Our chapter officers for this semester are: Regent, Brother Chamberlain; Vice-Regent, Brother Hazzard; Scribe, Brother Dawson; and Corresponding Secretary, Brother Goldsmith.

Dr. Williams, one of the youngest and foremost geologists in Europe, is with us now, and spoke at one of our meetings on the Evolution of Geologic Surveying, a subject on which he has spent a great deal of time, as he was the co-author of a book on the subject.

Members of Epsilon are planning a weekend for the chapter to be held in the Sierras. Everyone is planning on going as a good time is always had by all.

We, of Epsilon, extend Fraternal good wishes to all members of Theta Tau.

LOUIS R. GOLDSMITH, '32

Berkeley, Calif., October 14, 1930.

## ZETA

Zeta Chapter started the new school year with the return of twenty-two actives. Almost all of our pledges have returned with the exception of several who will be back the second semester and three who have dropped out of school or have transferred to another school.

The fall Probation Week will be held the weekend of October 18th, with the following men eligible: Irving Coffman, C. '32; Eugene Manning, M. '33; Floyd Gidinsky, C. '32; Harold Hoover, Chem. '33; Maurice Kite, C. '32; Henry Magruder, Arch. '32; Dennis Pearce, Ind. Eng. '32; Leroy Sharp, E. '32; Walter Williams, E. '31; Clifton Nelson, E. '33; Paul Shaad, E. '33.

The chapter officers for the start of this school year are: Ashford Galbreath, Regent; Henry Hood, Vice-Regent; Russell Hanson, Treasurer; and Lloyd Hopkins, Scribe.

Since the start of the school year we have pledged the following men: Karl Feldman, Arthur Rendleman, Ralph Wilson, and before the next week or two gets by us we hope to pledge several men who looked good to us when they were here at the Freshman Smoker, October 7th.

The chapter is planning to have a Homecoming Party the night before the homecoming game with Nebraska here. The party will be the night of November 7th.

L. C. Hopkins, Jr.

Lawrence, Kansas.

---

## THETA

Theta has started the year with the return to school of Brothers Stephen R. Bradley (Regent), John French (Vice-Regent), W. M. Brown (Scribe), Charles Rous (Treasurer), George Wilkins, Herbert Knapp, Gordon Dunlop, and Mellville Heath. Also Brothers Theodore Baummeister, Alfred Hinckley, and Professor T. H. Harrington are with us and who, as members of the faculty of the Engineering School, have always been keenly interested in the chapter, not only in a personal way, but at the same time in an advisory capacity. At the end of the Spring term James Kirkland was pledged.

A better rushing system has been put into effect this year which under the leadership of Brother Wilkins, as Chairman of the Rushing Committee, has already begun to prove itself as being more systematic than any previous one. The men will not be pledged for another month and will be initiated at the beginning of the Spring semester. We, as a chapter, have always preferred to restrict our membership, and, therefore, perhaps have been able to foster the ideals of Theta Tau more effectively.

We are well represented this year in the activities of the Engineering School. Brother Bradley is President of the Student Council and Brothers Wilkins, Heath and Brown are also on the Council. Brother Heath is also President of his class and we are proud to say his scholastic record was the highest in his class.

W. M. Brown

New York City, N. Y., October 22, 1930.

## IOTA

Iota Chapter started this year with thirty-five members, and has been very successful thus far. We, of Iota, deem it a pleasure, and are extremely proud to announce that Theta Tau has established herself in such a way, so far this year, as to demand the respect of the entire student body here at Rolla.

In regard to scholastics, we were placed among the "upper three" of this institution. Three of our men, Brothers V. F. Ancell, B. S. Followill, and E. W. Heilig, were among those elected to Tau Beta Pi, and we feel that we owe part of our success to the abilities of these men.

The banner of Theta Tau is forever carried on the field of athletics as a goodly number of our boys have promising football abilities, and we are more than sure that "Limelight" Ware will show us all the rudiments of basketball.

A tentative schedule has been arranged to take care of a group of open meetings at which prominent engineers will give interesting talks on their past experiences in engineering fields.

Our chapter has obtained a firm foothold on the initial rungs of the ladder of successful achievement and we feel certain that under the guidance of Brothers Scally, Throgmartin, Williams, and Richardson, Regent, Vice-Regent, Scribe and Treasurer, respectively, things will be accomplished of which we will all be proud.

R. Z. Williams, '31

Rolla, Mo., October 24, 1930.

---

## LAMBDA

School has been going here at the University of Utah nearly three weeks. The chapter meetings have just begun and things look mighty good this year. There are twenty actives back and four pledges. The brothers are keeping their eyes open for new Theta Tau material so it won't be long until we will have several new pledges. We expect to hold an initiation banquet in the near future.

Toward the last part of the spring quarter of last year, Lambda Chapter held one of the largest initiation ceremonies that has been held for some time. On April 29, 1930, (our birthday) the following men were initiated: Reed Ferguson, Leland K. Irvine, James M. Orr, Jr., William C. Hague, Ellis Christensen, Milton Rideout, Lowell E. Painter, Arnold M. Marston, and Kenneth Cropper. All these men are back in the chapter this year and each is anxious to do his part for the advancement of the fraternity. The initiation was followed by the Tenth Annual Installation and Birthday Banquet. The program included short interesting talks by Brothers Dorsey A. Lyon, Wallace Smith, and Edgar Barker.

The following men were installed as officers of the Chapter for the year 1930-31: Edgar Barker, Regent; Harold Bradford, Vice-Regent; Harper B. Cowles, Scribe; Donald R. Burnett, Treasurer; Hackett Olsen, Marshal; Blair Scott, Inner-Guard; Courtney Campbell, Outer-Guard. The present officers are very much interested in the work of Theta Tau and point to this year as one of the banner years of Lambda Chapter.

Lambda Chapter is taking quite a part in the activities of the Engineering Society here at the University of Utah. As usual, all the officers of the so-

ciety for this year are Theta Tau men. Brother "Ed" Barker takes the helm as President. He is supported by Brother "Jim" Orr as Vice-President, Brother Don Burnett as Treasurer and Brother Harold Bradford as athletic director.

Last year also the officers of the society were Theta Tau men. Brother Elton Pace, as president, had his duties further intensified by being the President of the Associated Students of the University of Utah. Regardless of how busy he was, he came out with flying colors and was elected to Phi Kappa Phi in the Spring. He, with Brother Franklin Shafer, were the only men to be given that honor during last year. We are very proud here to have a man like "Elt" as a member of Lambda Chapter.

The Alumni Association is continuing things here in fine shape. On October 25th the Fall Alumni Banquet will be held. We have been asked to join with them and from all indications it appears that we will be there nearly 100 percent strong.

Lambda Chapter sends greetings and best wishes to all other chapters.

HARPER B. COWLES, '31

Salt Lake City, Utah, October 16, 1930.

---

## MU

Now that the general routine of school work is thoroughly fixed in our minds, the members of Theta Tau are preparing and looking forward to a very successful year. Our chapter at the start of this year was very small due to the large number who were taken by graduation. Those who returned to school were: Cecil A. Hurt, Regent; W. E. Hood, Vice-Regent; J. Alden Simpson, Scribe; B. L. Harris, Treasurer; J. W. Lapsely, Marshal; A. L. Terry, Guthrie Mabrey and J. B. Estabrook.

The first initiation of the year was held on October 29th, 1930 in the Engineering Building. The following men who were pledged the latter part of last Spring were initiated: Ed Bacon, Douglas Brewer, Neil Bullock, William Claus, Robert Fleming, Frank B. Garrett, C. H. Hamilton, John A. Reed, C. Rhodes, and C. P. Handy.

Mu Chapter is planning a smoker for the near future. The purpose of the affair is to look over new prospects for pledging. A member of the faculty will speak on some recent engineering development.

Brother Mabrey was recently elected to membership in Tau Beta Pi.

J. ALDEN SIMPSON

University, Alabama

---

## NU

Early in April, 1930, the chapter held a formal dinner dance at the Aleoma Country Club. Under Brother Auld's guidance, as chairman of the committee, the dinner dance was a great success, which brought Nu Chapter much favorable publicity on the Carnegie Tech campus. Every brother agreed that it was one of the best affairs that he had ever attended.

A smoker for eligible Juniors will be held on October 28th. The date has not yet been set for interviews.

The chapter officers until the early part of March are: James H. Dodge, Regent; Lawrence A. Baugh, Vice-Regent; William J. McGregor, Scribe; Charles K. Carter, Corresponding Scribe; Merle W. Smedberg, Treasurer; Wesley S. Hodge, Marshal; and John T. Sabol, Outer Guard. The vacancy of the office of Inner Guard, due to the death of Brother Heckroth, has not yet been filled but will be in the near future.

The following ten men were initiated late last spring: R. O. Holmes, H. D. Kolb, J. E. Morris, T. W. Hunter, H. N. Fawcett, M. A. Kinley, W. J. Hagenlocher, W. W. Jones, E. L. Jarrett and S. J. Myers. As well as having a good scholastic standing, these men are all active on the campus.

Brothers Finch, Thomson, and Haughey, all alumni of Alpha Chapter and now employed at the Westinghouse Electric, attended the chapter meeting on October 7th. They told us of the activities of Alpha Chapter and of their celebration of Founders Day.

Several of our men have received honors,—among them are: M. W. Smedberg, who was elected as chairman of the student branch of the A. I. E. E.; and J. H. Dodge, who holds the position as chairman of the local student branch of the S. N. M. E. Brother C. K. Carter was elected to Tau Beta Pi, and along with Smedberg to Eta Kappa Nu. We are duly proud of our record.

C. K. Carter, '31

Pittsburgh, Pa., October 14, 1930.

---

## OMICRON

With twenty-one actives and fifteen pledges, Omicron starts another year with the determination of making it bigger and better than those gone by. Perhaps it will be well to start right off with the news of the marriage of our past Regent Frank Ashton which took place in Clinton, October 18th. And today's mail brings us the news that Hap Howe also withdrew his name from the list of confirmed bachelors, his little performance taking place at Springfield, Ohio.

Within two weeks, November 2nd being the exact date, we hope to raise our active chapter to a total of thirty-three brothers, by the initiation of the following men: Cerny, Clearman, Blaser, Metz, Kringle, Rhowedder, Haug, Tanner, Ott, Wickham, Claassen and Long. We have seven new pledges this year.

After a slight drop in the grade average of Omicron last year, we are back on our feet and as the grades for the past year come out we find ourselves back in the lead of Engineering fraternities and also ranking seventh of all fraternal groups on the Iowa Campus. And speaking of grades, we not only have the three men who made Tau Beta Pi last year as Juniors but we have two men in Aschenbrenner and Peterson who were both taken in as high men at the end of two years.

Now that we have spoken of the honors that Omicron has won last spring and this fall, we might say that Rantzow is Business Manager of the *Transit* and is supported by a staff on which we have ten brothers and pledges. A. S. of E. elected Rantzow, Rausch, Kehe, and Claassen as its officers for the coming year. The Junior class elected four brothers for officers and the Sophomore class has three of our new initiates for officers. Omicron has two officers

in A. S. of C. E. and is represented by an office in A. S. of M. E. Classen is Vice-President of Tau Beta Pi. Our athletic manager has been elected president of the Intramural Athletic Council and we are represented on the Iowa Union Board. Brothers Rantzow, Classen and Stanley have also been elected to membership in R. E. I.

Homecoming is not far away and already there is much talk and planning for the Penn State conflict which occurs November 15th. We will not only be engaged in putting the marks of the Engineering College on the Campus but will see that Omicron's home as well as the Red Ball Inn, where our annual Homecoming party is to be held, are decked out in a welcoming fashion.

The boys are all putting forth effort to fill the fire-place mantle with a few trophies. Our baseball team annexed a sectional trophy last spring and we have high hopes for the coming seasons.

Omicron is well represented in Iowa athletics this year with numeral men in swimming, basketball, football, gym, track, and baseball. Brother Stanley and pledge Handorf were awarded a Major "I" in track last spring.

A new system of keeping Omicron's alumni and Chapter in touch with each other is being started this year. The Alumni Association of Omicron has put itself behind our news letter, The Pyramid, and with the support of the Chapter are doing a great job of getting out the interesting items to our Brothers and Alumni.

Yes, it looks like a good year for Omicron.

ART STANLEY, '31

Iowa City, Iowa, October 22nd, 1930.

---

## PI

Since the last letter was sent to the GEAR, Pi Chapter has accomplished a great deal. The scope of our activities has been wide, and we hope our efforts have benefited the Engineering School of the University of Virginia, as well as the national fraternity of THETA TAU.

Last Spring, just prior to the closing of school, our members visited the outstanding preparatory and high schools of the State. The purpose was to tell them of our University and explain the merits of its engineering department. We have done this each spring for a number of years and find that it arouses an otherwise latent interest in engineering.

The Engineering elections last spring were very favorable to Pi Chapter in that our men won the three highest offices. Here at the University of Virginia, we have no class system, consequently the only student representatives are the officers of the different schools. The present officers are: Brother R. E. Lee Gildea, President; Brother William David Thornhill, Vice-President; Brother Richard W. Talley, Secretary.

When school opened this fall Pi Chapter again stepped forward by pledging eight new men. This brings our enrollment to fifteen active members and eight pledges. Prior to "bid day" an informal smoker was held in order that we might meet the prospective fellows, and that they might meet us as a chapter. Speeches, humor and food were the order of the evening and everyone had a good time, which subsequent results proved to us.

The professional societies claim most of our number, among whom are:

Brother Gildea, chairman A. S. C. E.; Brother Hawkins, secretary A. S. C. E.; Brother Quarles, chairman A. I. E. E.; Brother Parker, secretary A. S. M. E.

Our membership in Tau Beta Pi, of which Brother Blann is vice-president and Brother Quarles is secretary, was increased by the election of Brother George Belote, a few days ago.

October fifteenth was duly celebrated as Founders Day by a meeting of the chapter. Appropriate speeches by Regent Thornhill and ex-regent Gildea solemnized the occasion.

The present officers of Pi Chapter are: Wm. D. Thornhill, Regent; Richard W. Talley, Vice-Regent; John E. Blann, Scribe.

The chapter is sponsoring a series of addresses to the whole Engineering School, to be made by prominent engineers. The first one scheduled is to be given by Lee H. Williamson, vice-president of the Allan Saville Construction Company of Richmond, Virginia on November sixth. Several other noted engineers have signified their willingness to appear before the engineering body and we expect a very interesting program for the year.

Pi Chapter is more than glad to receive brothers from other chapters, and especially anxious to establish contact with all alumni. Any information as to their whereabouts will be appreciated.

RICHARD W. TALLEY

---

RHO CHAPTER

Left to right: Ricks, H. A.; Edwards, F. M.; Gibson, J. M.; Johnson, J. M.; Geoghegan, J. T.; Turner, C. B. Jr.; Caldwell, R. H.; Gorham, F. W.

## RHO

Rho Chapter has opened the school year with a very optimistic outlook. Although our membership is rather small, it is nevertheless possessed of an abundance of power-plus. However, we have our eyes on a number of promising prospects whom we hope to bring into the fold at our first election.

At our first meeting of the year, it was decided that Theta Tau should sponsor some important movement on the campus, and looking into the situation, we found that since the college spirit was at such a low ebb, that that was the golden opportunity to sow our seeds. I might state that the results of this

movement were very, very gratifying to the chapter and all that was needed was a little dynamic power which was supplied by Theta Tau.

Brother C. B. Turner, Jr. is the present Regent of Rho, who is ably assisted by J. M. Johnson. J. M. Gibson will attend to the financial affairs while J. Harry Lee does the writing.

Practically every member of Rho Chapter is a leader of some outstanding organization on the campus. Our regent has attained the height of Cadet Colonel of the R. O. T. C. Regiment as well as being Treasurer of Tau Beta Pi, a member of Scabbard and Blade, Golden Chain, which is the Senior Honor Society, and also a member of the Monogram Club.

Out of our membership of eleven, the following organizations are represented: Golden Chain, Military, Tau Beta Pi, Varsity Football, Baseball and Track, Blue Key, Manager of Varsity and Freshman Football, Varsity Rifle Team, President and Secretary-Treasurer of Senior Class, House of Student Government, Engineers Council, and others.

Rho Chapter has been working on a Chapter News Letter to appear in mimeograph form, telling all of the details of the chapter and each member. We hope to get this out to the various chapters in a very short time. This News Letter is being edited by Brother H. A. Ricks, assisted by all of the membership. We hope to have reports on this News Letter from each Chapter.

Rho extends its most sincere good wishes to all chapters of Theta Tau and congratulates them on their success thus far.

Raleigh, N. C. J. Harry Lee, '31

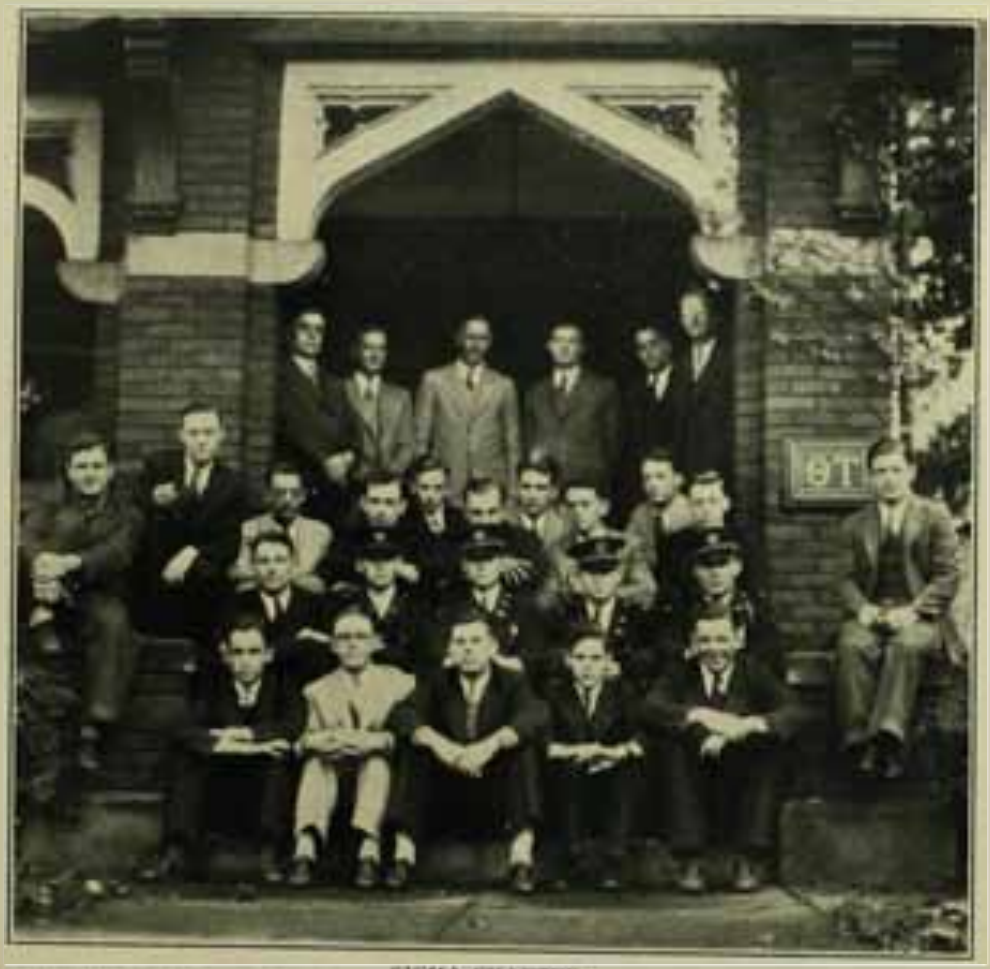
---

## SIGMA

Amidst the rumble of scores of moving vans and with the assistance of scores of strong arms, Sigma of Theta Tau moved into its new chapter house—and into, what we hope will be a most successful year.

The new house, located at 1965 Indianola Avenue, is of brick and paneled construction. The trees and shrubbery surrounding it lend an air of distinctive beauty. The external appearance is still further enhanced by the leaded glass windows, each of which is ornamented by an emblem of colored glass. On the north side of the house a drive leads to a two car garage. Now let's step inside and look around. The living room extends the full length of the dwelling, except for a small reception hall on the north side. A large bay window affords an excellent view of the street. The walnut paneled walls are in keeping with the paneled ceiling. A fireplace at one end of the room extends to the ceiling. To climax things, the living room has been attractively refurnished. The dining room, done in cream and ivory and offset by a beautiful mirror, will provide ample space for our dinner meetings. An open stairway takes us to the second floor where there are five study rooms. The third floor is subdivided into a study room and dormitory. We extend an invitation to all brothers to visit our new abode. All of the credit for our new house goes to the concerted efforts of our house committee under the guidance of Brothers Cook and Wall.

On May 18, the roll of Sigma was increased by seven. The following men were initiated at that time: Charles Cancik, John W. Cole, Albert C. Hansen, Richard M. Hindman, George F. Leydorf, Lancelot A. McKnight and Robert E. Wagenhals. On June 7 we took great pleasure in initiating Professor Erwin E. Dreese, new head of the Electrical Engineering Department at the Ohio




SIGMA CHAPTER

TOP ROW: Professors Nold, Dreese and Wall—Brothers Speer, Weaver, Stoneroad.
THIRD ROW: Spangler, Local, McKnight, Hindman, Simon, Hohenshil, Mauer, Cole, Wagenhals
SECOND ROW: Caserik, Fiedler, Pledge Buck, Fenneman, Burlingame, Pledge Barber, Hansen.
FIRST ROW: Pledges Earhart, Kilgore, Hageman, Dumbauld, Barnes.

State University, as an honorary member of Sigma. Both occasions were complete with good food, cigars and helpful advice.

Last season's events were climaxed for the seniors at the Graduation Banquet, given in honor of twelve seniors. The following men have now left the ranks of Theta Tau to go forth into the engineering world and make their mark: Howard Allison, Richard M. Beer, John D. Cole, Harlan O. Cunningham, Charles A. Cook, William Davis, Fred W. Gilchrist, John W. Jordan, Walter A. Lower, Robert C. Mouer, Jack F. Shannon and Elwood M. Stanbery. We are sorry to lose Brother Robinson, who has completed his work for the degree of Master of Science.

The temporary withdrawal of Brother Osborn necessitated the election of a new Regent. The following brothers are now entrusted with the responsibility of conducting the affairs of the chapter: Regent, W. R. Fiedler; Vice-Regent, A. C. Hansen; Scribe, C. L. Local; Marshal, L. A. McKnight; Inner Guard, R. M. Hindman; Outer Guard, R. E. Wagenhals; Corresponding Secretary, R.

C. Moser; Steward, Charles Cancik. We sincerely hope that Sigma will flourish in its new house under this new regime.

At present the task of keeping things tidy around the house is carried out by the following pledges: F. O. Barber, R. W. Lynn, C. K. Dumbauld, S. H. Barnes, M. F. Hageman, R. G. Kilgore, and E. W. Earhart. Within the next week we expect a number of additions to our pledge organization.

Since the last letter, our new scholastic achievements are: Sigma Xi—Brothers Gilchrist, Cook, Fiedler and Moser; Texnikoi (Senior honorary)—Brother Cook, Davis, Gilchrist, Fenneman and Steenrod. The Industrial Engineering award of 1929-30 was awarded to Brother Fiedler, as "the most outstanding man of the senior class." One of the highly prized Lamme Scholarships was secured by Brother Leydorf, in the Department of Electrical Engineering. The R. O. T. C. Honor Graduates were Brothers Osborn and Moser. The new Brigade Colonel for the coming year is again a Theta Tau man. He is Brother Fenneman the successor to Brother Osborn, last year's Brigade Colonel.

Turning to campus elections we find that Brothers Fenneman and Moser are the Corresponding Secretary and Treasurer of Tau Beta Pi. In Eta Kappa Nu, Brothers Moser and Cancik are the President and Treasurer. Brother Fenneman is also the President of Texnikoi and the Treasurer of Scabbard and Blade. Brother Lucal is the President of the Ohio State Engineer Advisory Board and Brothers Lucal, Cole and Speer are representatives on the Engineer's Council. All in all, Sigma is faring very well.

The most gala event of the past year was the formal dinner dance given at the Columbus Country Club on April 26th. It may be justly said that it was the most successful affair of this nature that has been sponsored by Sigma. We were very glad to have a number of our alumni join us in this most eventful function. Among those alumni who attended were: Brothers Eagle, Trout, Bozman, Mock, Groeniger, Knorr and Meiter. With our new chapter house we can predict a more liberal extensive social policy for the coming year.

ROBERT C. MOSER

Columbus, Ohio, October 14, 1930.

---

## TAU

Twenty active members are present this fall including Brother Bibbens who was not with us last year. Owing to the upset condition of the early portion of the college year, we have not, as yet, had our formal pledging. However, we have had two business meetings and two smokers so far this year. We plan to pledge at least enough men to fill the vacancies in the ranks caused by graduation last June.

Tau's plans for the year are not formulated until a later date but we do have three important functions to look forward to in addition to our regular business meetings. About mid-year we will sponsor the all-engineers' banquet and between the present time and then we will have an informal banquet and a joint meeting with Theta Pi, our friendly competitors.

This year brings with it a more promising outlook for Tau Chapter than any year in the writer's experience. The chapter is officered for 1930-31 by John Henderson, Regent; Erwin Hannum, Vice-Regent; V. Ralph Sobieralski,

Scribe; Donald Weeks, Treasurer; Arnold Pfafflhausen, Marshal; Max Collins, Inner Guard; Charles Bird, Outer Guard.

Members of Tau Chapter have won their share of the scholastic honors of the college. In addition, some of the extra-curricular activities are as follows: Newbert, varsity football squad; Sobieralski, Staff Captain, R. O. T. C.; Collins, color-guard, R. O. T. C.; and Hannum, drum-major of the university band.

To the writer's knowledge, only one former active member of Tau has succumbed to Dan Cupid this summer although several others were and are still expected to fall. Brother Carey, '29, was married this summer.

The chapter wishes to hear from all former Tau actives and welcomes news from all other chapters. When in Syracuse, call upon us at the university.

Good-luck, collectively and individually for the coming year.

D. M. MacAlpiine

Syracuse, N. Y., October 16, 1930.

## UPSILON

Upsilon Chapter extends hearty greetings to all Brothers. The chapter returned nine men, who are organizing and preparing for a busy and profitable year. The old men in school are Brothers Haskell Wilson, Kermit Potts, Wayne Moody, Francis Barnett, Alex Diffey, Newland Oldham, Warren Furry, Robert Hunt, and J. Lloyd Hyde.

Election of members was held at the last meeting and it is with pleasure that we introduce the following pledges: Madison Gordon (Tau Beta Pi), William Treadway, Warren Van Meter, T. E. Presley, Ernest Eckler, Nate Penix, Jack Stewart, Karl Reid, Robert Atkins, Harold Albrecht, Hugh Nelson, Joe Fry, and William Stewart.

We feel that we have a lively bunch of engineers who will be real boosters for Theta Tau.

J. Lloyd Hyde

Fayetteville, Arkansas, October 27, 1930.

## PHI

Again Phi Chapter takes its place among the outstanding fraternities on the Purdue Campus, scholastically. It seems like old times to be rated among the highest quarter. Last semester we climbed from nineteenth place to seventh place in competition with thirty-six fraternities. Brother W. J. Neuhauser made the distinguished list last semester.

Brothers L. E. Fawcett and D. R. Ward were both members of the varsity wrestling team last year each receiving a major "P". Brother Fawcett was elected captain of the team for this year. Brother C. S. Mitchell was elected captain of the fencing team for this year. Brothers Neuhauser and J. P. DeShinsky are out for varsity baseball this year and we expect them to bring home two more gold "P's" at the end of the year. Brother D. B. Winslow is a member of the varsity football team this year and Brother W. S. Heath is going out for wrestling.

Phi Chapter held two dances last year, one on March 22, a formal dance which drew a large attendance, and a farewell dance for the Seniors on May

24th. As usual we will hold our annual homecoming dance on the night of the homecoming game with Wisconsin, October 25th.

Phi Chapter has four members playing in the Purdue Band: Brothers R. M. Adkins, H. V. Patterson, J. R. Lowry, and G. M. James.

Last April the following newly elected men took over the job of running the house for this year: Brother H. W. Arduser, Regent; Brother C. S. Mitchell, Vice-Regent; Brother G. M. Wilson, Treasurer; Brother R. E. Stradling, Scribe; and Brother C. F. Terrell, House Manager. Each of these men are Seniors this year.

Since the last issue of the GEAR, Phi Chapter has initiated the following men in four initiations: D. R. Ward, H. E. Antle, C. S. Mitchell, M. R. Chandler, D. B. Winslow, J. P. DeShinsky, L. J. Maginske, L. H. Frew, W. J. Neuhauser, W. C. Osha, K. W. Dix, W. J. Robinson, K. W. Swaim, G. M. James, Richard Lowry, A. F. Henricks, and H. V. Patterson. The initiation of the last seven men on October 3rd leaves the house with only five pledges, but a membership of thirty-two men of whom fifteen are Seniors.

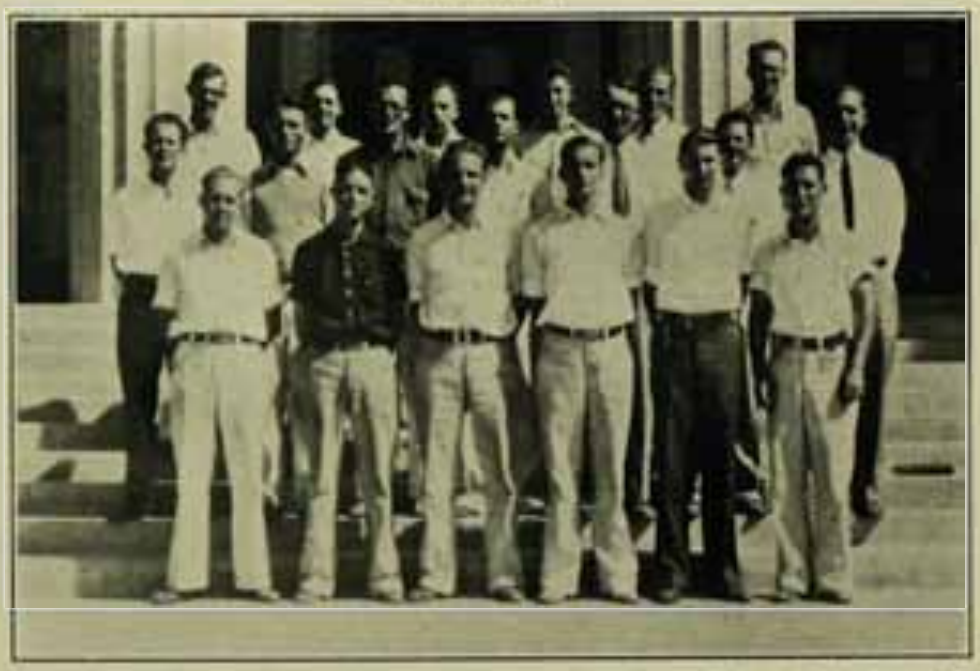
Several improvements were made on the house during the summer, chief of which was the refinishing of the dining room and kitchen.

R. E. STRADLING, '31

West Lafayette, Ind., October 1, 1930.

---

CHI CHAPTER



BACK ROW: Left to right: Elton Lail, Barney Shehane, George Gardner, Carl Bruce, Alvin Wodin, Otto Mangum.

MIDDLE ROW: Carson Minton, Earl Bennett, Peter Kiernen, Weldon Brinton, Prof. Borgquist, R. E. B. Heineman, Prof. H. R. Jimerson.

FRONT ROW: Leo Laine, George Peters, Herschel McMullen, Jacob Erickson, Frank Lowe, Ben McBride.

## CHI

By the time we were finished with our installation and initiations last school term, there was only enough time left in which to hold one meeting to elect our officers and to give a banquet for the graduating Seniors.

Of the thirty-three members we had, seventeen have returned to school this year. Meetings have been started on the regular basis of two per month, and attendance and interest have been perfect.

The school is just getting organized for this year, with the result that many things are still unsettled. All the organizations are gradually electing their officers, football is under way, the polo men are working hard, and everyone is getting in line for another shot of college.

So far we are well represented. We have a star in polo and two men in football. George Peters was elected president of the student organization of the American Association of Engineers; Frank Bacon is president of the Mining Engineers; and Leo Laine is president of the student organization of the American Association of Civil Engineers. Also, Chi Chapter is sponsoring the installation of the honor system in the Junior and Senior classes of the College of Mines and Engineering.

Professor E. S. Borgquist, our untiring and enthusiastic "consulting engineer" to whom we owe so much for our organization, is still working with us. We have made a good start for the school year and have no reason for not continuing the progress.

Rex McBride, '32

Tucson, Arizona, October 12, 1930.

---

# RECENT INITIATES

### IOTA—April 12, 1930

244 Crawford, E. O., Rolla, Mo.
245 Offuh, James, Rolla, Mo.
246 Thoroughman, F. M., Rolla, Mo.
247 Malik, F. V., Rolla, Mo.
248 Hale, E. D., Rolla, Mo.
249 LaFollette, T. G., Rolla, Mo.
250 Haffner, R. V., Rolla, Mo.
251 Macklin, F. S., Rolla, Mo.
252 Bruegging, H. V., Rolla, Mo.
253 Campbell, F., Rolla, Mo.
254 Macke, A. S., Rolla, Mo.
255 Lemler, G. L., Rolla, Mo.
256 Schmitt, F. V., Rolla, Mo.
257 McBrian, M., Rolla, Mo.
258 Larkin, R. L., Rolla, Mo.

### KAPPA—June 5, 1930

352 Low, Harold A., Lake Forest, Ill.
353 Marshall, Fred, Urbana, Ill.

354 Johnson, G. L., Schenectady, N. Y.
355 King, J. Sheldon, Apple River, Ill.
356 Needham, Paul E., St. Louis, Mo.
357 Seborg, Earnest Y., Kankakee, Ill.
358 Engesser, Wm. F., Chicago, Ill.
359 Ketchum, M. S., Jr., Urbana, Ill.
360 Cisler, John P., Hot Springs, Ark.
361 Wittbold, Richard H., Chicago, Ill.
362 Dabl, James E., Chicago, Ill.
363 Logan, Arthur L., Middleboro, Mass.
364 Brown, F. Stewart, Glen Ellyn, Ill.
365 Chandler, James F., Golconda, Ill.
366 Unfried, W. J. Jr., Oak Park, Ill.

OMICRON—November 2, 1930

152 Blaser, Wilfred, Davenport, Iowa.
153 Cerny, Edward A., Cedar Rapids, Iowa.
154 Kringle, Edward, Atlantic, Iowa.
155 Claassen, Ralph L., Pomeroy, Iowa.
156 Metz, Clifford, Tama, Iowa.
157 Wickham, Harold E., Iowa City, Iowa.
158 Rohweder, John, Wyoming, Iowa.
159 Tanner, Maurice A., Iowa City, Iowa.
160 Ott, Roy E., Oskaloosa, Iowa.
161 Clearman, Eugene R., Iowa City, Iowa.
162 Long, Lewis, Des Moines, Iowa.
163 Haug, Clarence, Spillville, Iowa.

SIGMA—October 10, 1930

125 Dreese, Edwin E., Worthington, Ohio. (Hon.)
126 Rudin, S. R., Elyria, Ohio.
127 Bryson, C. A., Columbus, Ohio.
128 Baxa, James F., Cleveland, Ohio.
129 Buck, Mortimer P., Charleston, W. Va.

PHI—October 14, 1930

80 Dix, Kenneth W., Sullivan, Ind.
81 Robinson, Wilfred J., Michigan City, Ind.
82 Swaim, Kenneth W., Montpelier, Ind.
83 James, Glen M., Kokomo, Ind.
84 Lowry, Richard, Kokomo, Ind.
85 Hendricks, Alvin F., Logansport, Ind.
86 Patterson, Harold V., Kokomo, Ind.
87 Stephenson, P. S., Monongahela, Pa.

# ALUMNI NOTES

## ALPHA

R. W. Prouty, '12, left for Russia on May 16th to work for the Soviet Government.

Russell L. Sorenson, '27, was married on April 23rd to Miss Esther Winifred Halvorsen of Duluth, Minnesota. They are now at home in Albert Lea, Minnesota.

S. R. Hamilton, '28, was married on September 27th to Hazel Ruth Seward of St. Paul. They now live at 325 No. Austin Blvd., Chicago, Illinois. He now holds the position of associate editor of *Railway Signaling*, with headquarters in Room 2000, 105 W. Adams Street.

John McCrea, '28, is in the Chicago Sales office of the Westinghouse Electric and Manufacturing Company. John is developing a "patented approach" that will serve him well in sales work!

---

## BETA

James A. Barr, '07, chief engineer of the International Agricultural Corporation returned to Tennessee in June after a trip abroad.

Curtis F. Burt, Beta '13, formerly Supt. of the Dolores unit of the A. S. & R. Co. at Matehuala, S. L. P., Mexico, is now Mine Supt. for the New York & Honduras Rosario, San Juancito, Honduras, C. A.

Ochla Potter, '06, who is Superintendent of the Ahmeek division of Calumet & Hecla, sailed on May 31st for South Africa to be with his son who was injured in a mine accident at Roan Antelope Copper Company in Northern Rhodesia.

Charles G. Thielicke, '12, who has been Assistant Superintendent of the La Noria unit of the Cia. de Inversiones del Oro in Mexico, is now at Finniston, Western Australia.

---

## GAMMA

Theodore Adams, '29, has a fellowship in the geology department at Mines this year. He has been in Los Angeles.

B. F. Amsden, '25, can now be addressed at Box 585, Singapore, Straits Settlements, Asia. He has been in the orient for the Ingersoll-Rand Company for some years.

Leroy T. Brown, '26, is now in Cuba where he is with the Mines de Matahambre, Province de Pinar del Rio.

Arnold S. Bunte, '26, is geologist for the Shell Petroleum Corp., Box No. 168, El Reno, Oklahoma.

T. W. Callaham, '14, has changed his address to 5311 Broadway, San Antonio, Texas. He is still geologist for the Mexican Seaboard Oil Company.

C. H. Cronin, '26, is with the U. S. G. S. at Tulsa, Oklahoma.

C. A. Farlow, '22, is now located in the District of Ural, Kalata, Kalatinsky, Kombinat, U. S. S. R. He left Miami for Russia in June.

DONALD I. GALLAGHAN, '27, and WAYNE H. DEMING, '26, are both with the Midwest Refining Company. The former is doing geological work in the New Hobbs Field and the latter is working out of Tucumcari, New Mexico.

E. F. GALLAGHER, '21, is in Idaho Springs, Colorado.

THOMAS H. GARNETT, '11, formerly General Superintendent of the Mineral Point Zinc Company at Galena, Illinois, is now with the Empire Zinc Company at Gilman, Colorado.

D. C. HARROUN, '22, was married to Miss Eleanor Flowers at Carlsbad, New Mexico, on June 2nd. Harround is manager of a large ranch near Carlsbad at Malaga, New Mexico.

WAYNE A. HARROD, '16, now in Los Angeles has moved to 544 South Alexandria Avenue.

ROBERT HIGGINS, '17, is now residing at 1918 Clermont Street, Denver, Colorado.

JAMES HOOK, '29, is with the Gulf Research Company in Houston, Texas.

VAN DYNE HOWBERT, '16, who is engineer for the American Metal Co., made a trip this summer to Mexico and the Southwest.

OTIS KEOUGH, '21, sailed in April for Jugo-Slavia where he is to be Mill Superintendent for the Trepca Mines Ltd.

CLAYTON KERR, '30, was married shortly after his graduation to Miss Mary E. Markey, of Golden, Colorado, and they are now in Texas where he is with the Texas Exploration Company. He will be remembered as the delegate from Gamma at the last Convention.

R. N. KILBOURN, '15, is associated with Burns Potter & Company, Investment Bankers, Omaha, Nebraska.

O. C. KINNEY, '30, and Miss Margaret Clark of Denver were married on June 17th. They will make their home in Detroit.

R. I. KIRCHMAN, '08, is now Superintendent for the Peru Mining Company at Hannover, New Mexico.

GEORGE LEMAIRE, '25, and TOM PULVER, '30, are with the Humble Oil and Refining Company at Baytown, Texas.

EDGER LOCKE, '28, was married in Los Angeles on July 2nd to Miss Josephine Spindler and they are making their home in that California city.

RUSSELL P. LUKE, '14, who has been with the A. S. & R. Company in Mexico for many years, has gone to South America where he becomes Assistant General Superintendent of the South American Development Company at Guayaquil (Apartado 655), Ecuador, S. A.

M. L. MCCORMACK, '26, is in Lima, Peru, S. A. with Ingersoll Rand Company.

ROBERT L. MCLAREN, JR., '26, has moved to Lordsburg, New Mexico, where his address is Box No. 256.

VERNON L. MATTSON, '26, is now living at 2 Washington Street, South Charleston, West Virginia. He is mining engineer with Norrie & Tower.

D. MORENO, '22, is engineer for the Chili Exploration Company and makes his headquarters at Chuquicamata, via Antofagasta, Chili, S. A.

MARION MERCER, '30, is now Assistant Curator of Mining at the Museum of Science and Industry, Jackson Park, Chicago.

G. E. MILLER, '19, is geologist for the Shell Oil Company, 203 Professional Building, Long Beach, California. His most permanent address is 732 Hazel Avenue, Canon City, Colorado.

MILWARD MILLER, '26, is with the Humble Oil Company and at present stationed at Roswell, New Mexico.

FRED M. NELSON, '23, was married on May 17th to Miss Mamie Strop at St. Joseph, Mo. Brother Nelson is Assistant Superintendent of Production for the Texas Gulf Sulphur Company at Newgulf, Texas.

JAMES W. PEARCE, '14, is engineer for the A. C. Nielson Company and lives at 1317 East 47th Place, Hyde Park Station, Chicago, Illinois.

GEORGE PLAYTER, '30, and Miss Louise Baker were married in Denver on May 21st and have gone to California where he is with the A. S. & R. Company at Selby, California.

JOHN A. POULIN, '21, is geologist for the Apure Venezuela Petroleum Corporation and his address is Conde a Carmalitas No. 11, Caracas, Venezuela, S. A.

LIEUTENANT L. W. PRENTISS, '21, is with the U. S. Corps of Engineers stationed at Fort Humphrey, Va.

BAILEY PRICE, '23, is now Master Mechanic for the Bethlehem Steel Corporation at Johnstown, Pa.

DON RAY, '25, and G. C. WEAVER, '26, are both with Cerronde Pasco in Peru, S. A.

THOMAS B. ROMINE, '19, is Assistant Chief Geologist for the Texas Pacific Coal & Oil Company with his office at 1710 Fort Worth National Bank Bldg., Fort Worth, Texas.

DOUGLAS M. SHAW, '28, is Foreman with the Moctezuma Copper Co., Pilares de Nacozari, Sonora, Mexico.

LATHAM C. SQUIRE, '22, is Vice President, Technical Advisory Corp., Consulting Engineers, 11 Park Row, New York City.

CHARLES H. STEWART, '25, is now associated with C. Armstrong Price, Consulting Geologist at Houston, Texas.

H. M. STROCK, '22, is with the Leonard Mine of the A. C. M. Co., at Butte, Montana.

EARLE A. STRONG, '14, is with the Rhodesian Selection Trust Ltd., with office in the Selection Trust Bldg., Masons Avenue and Coleman Street, London, E. C. 2, England.

G. D. THOMAS, '21, is geologist with the Shell Oil Company at Dallas, Texas.

FREDERICK L. TYLER, '23, is manager of the Chicago Pneumatic Tool Company, 327 Philcade Bldg., Tulsa, Oklahoma.

CHARLES R. VORCK, '16, ex Alpha, can be reached through the Internal Revenue Office at Los Angeles, California.

S. POWER WARREN, Hon. Gamma, is now enrolled at Queens University, Kingston, Ontario, for work towards the degree of M.Sc.

R. V. WHETZEL, '16, for many years at Tampico, Mexico, has been made European Manager of the Cities Service Company with headquarters at 21 Rue La Boetie, Paris, France.

THOMAS L. WELLS, '29, has recently been made Superintendent of the Guijas Tungsten Mine at Arivaca, Arizona. At present he is living in the Roskruge Hotel in Tucson.

R. W. WELLS, '29, is now at 11 West 75th Street, New York City.

BEN ZWICK, '29, is with the Tropical Oil Company at Barranca-Bermeja, Colombia, South America.

## DELTA

Dr. Robert J. Anderson, '14, Past Grand Inner Guard, has changed his address from Fairmont, West Virginia to 2195 Lincoln Avenue, Lakewood, Cleveland, Ohio.

Dr. Zay Jeffries, Hon. Delta, consulting metallurgist in Cleveland, Ohio, delivered the address at the 43rd annual commencement of the South Dakota State School of Mines. It was the 20th anniversary of Dr. Jeffries' graduation from the institution and in recognition of his achievements in metallurgy and metallography, the School of Mines bestowed upon him the degree of doctor of engineering.

## EPSILON

J. L. Bennett, '20, has left Canada and is now at Caliente, California.

V. A. Brussolo, '20, who is Assistant Superintendent of the Moctezuma Copper Company at Pilares de Nacozari, Sonora, reports the birth of a son, John Allan, born in April, 1930.

Neil M. Erskine, '24, is with a mining company at Morenci, Arizona.

Carlton D. Hulin, '13, associate professor of geology at the University of California, completed a month's field work in the Mohave Desert where he was making a study of the geology of the Searles Lake Quadrangle for the California State Division of Mines. He then went to do some consulting work at the Sunnyside Mine of the United States Smelting, Refining & Mining Company in Southwestern Colorado. Allan Probert, '24, is Mill Superintendent at the Sunnyside.

Dr. Phil L. Shenon, '22, has resigned as Associate Professor of Geology of the Montana State School of Mines to become head of a party of the U. S. G. S. that is working near Grants Pass, Oregon.

## ZETA

D. M. Black, '28, is with the Bell Laboratories but at present is living at 87 Spalding Road, Toronto, Ont., Canada.

Virgil Carrier, '29, is working for the government.

Marvin Hensley, '30, and Harry Snell, '30, are with the Southwestern Bell Telephone Company, Kansas City, Missouri.

Howard Hines, '28, is now with the Empire Gas and Fuel Company, Bartlesville, Oklahoma.

George Hughes, '30, is working for an architectural engineering firm in Kansas City, Missouri.

Kenneth McMurray, '30, was married in July and is working for Cities Service at Denver, Colorado.

Wayne Powell, '30, is with the General Electric at Schenectady, N. Y.

Lewis Tucker, '29, is with the Empire Oil Company in Texas.

Logan Wooley, '29, is with the Sam Cohen Construction Company in Arkansas.

## IOTA

C. A. Pierce, '16, is now Superintendent of the United States Potash Company at Carlsbad, New Mexico.

## LAMBDA

JOHN F. BYRNE, '21, who at one time held a Fellowship at the Carnegie Institute of Technology and is now experimental engineer for the Kollers Company of Pittsburgh, Pa., recently visited the Intermountain station of the Bureau of Mines.

E. D. GARDNER, '01, supervising engineer of the southwest station of the U. S. Bureau of Mines at Tucson, has been making trips through Montana, Utah, Colorado, and New Mexico, in connection with the information circulars the bureau issues on the costs of mining and milling.

---

## MU

D. C. STANFORD, '29, is now in Sao Paulo, Brazil, S. A. He is with the Empresas Electricas Brazileiras.

---

## OMICRON

JOHN S. HOLBROOK, '24, was married on May 3rd to Marie Puchner and they are now residing at 707 Derby Street, Green Bay, Wisconsin.

"HAP" HOWE, '26, was married on October 19th, 1930 to Miss Margaret Parker of Corning, Iowa. They are living at 1111 Tibbetts Avenue, Springfield, Ohio, where Hap has a position with the Dayton Morgan Engineering Company.

F. W. ASHTON, '30, was married on October 18, 1930.

---

## PI

WILLIAM G. BROWN, '29, is with the Atlas Powder Company in Wilmington, Delaware.

CHARLES HARMON, '29, is with the Standard Oil Company. His address is 147 Stiles Street, Elizabeth, N. J.

RALPH HAWKINS, '26, is at Gauley Bridge, West Virginia with the Rhinehart and Dennis Company.

HARRY HOLT, '29, was married October 29th, 1930.

EDWARD JOACHIM, '28, is Plant Engineer for the Ideal Laundry Company of Charlottesville, Virginia.

TYLER B. KEINER, '21, is to be married to Miss Sally Dewy of Bluefield, West Virginia.

PAUL R. KREBS, '29, is with the Tennessee State Highway Commission in Ducktown, Tennessee.

BERNARD J. KYLE, '30, has a baby daughter. He is to be found in Brooklyn, N. Y., with the Bartlet-Haywood Company.

JAKE PARKER, '26, is with the Fuller-McClintock Company in New York City.

PAUL S. PEACH, '29, is with the Westinghouse Company in Wilkesburg, Pennsylvania.

LAWRENCE QUARLES, '29, and Mrs. Quarles are living in Wilkesburg, Pennsylvania. Brother Quarles is employed in the Research Department of the Westinghouse Company.

CLAUDE WILKERSON, ex '29, is located in Fredricksburg, Virginia.

## CHI

Fred Denny, '30, is with the General Electric Company at Schenectady, N. Y.

Lois Fiscel, '29, has been making a good reputation in the capacity of assistant engineer for Pinal County Road Department.

Jack Gilbert, '29, is employed by the Arizona State Highway Department and works out of Phoenix.

Roy Gore, '30, is with the General Electric Company at Erie, Pa.

Jack Hopper, '30, is with the General Electric at Schenectady, N. Y.

Charles McCash, '30, found employment in Tucson, Arizona in a combination job with the Pima County Road Department, the Arizona Highway Department, and the Bureau of Public Roads. He is designing storm sewers.

David Minton, '30, is still with us gathering more education.

---

# PROFESSIONAL FRATERNITIES REPRESENTED IN PROFESSIONAL INTERFRATERNITY CONFERENCE

### ARCHITECTURE

Alpha Rho Chi
Scarab

### CHEMISTRY

Alpha Chi Sigma

### COMMERCE

Alpha Kappa Psi
Delta Sigma Pi

### DENTISTRY

Alpha Omega
Delta Sigma Delta
Psi Omega
Xi Psi Phi

### EDUCATION

Kappa Phi Kappa
Phi Delta Kappa
Sigma Tau Gamma

### ENGINEERING

Sigma Gamma Epsilon
Theta Tau

### LEGAL

Delta Theta Phi
Gamma Eta Gamma
Phi Alpha Delta
Phi Delta Phi
Sigma Delta Kappa
Sigma Nu Phi

### MEDICAL

Alpha Kappa Kappa
Alpha Mu Pi Omega
Nu Sigma Nu
Omega Upsilon Phi
Phi Beta Pi
Phi Chi
Phi Delta Epsilon
Phi Rho Sigma
Theta Kappa Psi

### PHARMACY

Kappa Psi
Phi Delta Chi

# HONORS

## TAU BETA PI

Alpha—Rex S. Anderson, Rudolph M. Hanson, Donald B. Kendall, Ernest C. Kron, Clarence A. Kutz, Adolph G. Ringer, Karl H. Sommermeyer, Ray E. Hertel.

Beta—G. N. Thresher.

Gamma—L. C. Conger, Chas. Bonner, E. Wheeler, I. G. Burrell, M. Mercer, J. L. Robison.

Delta—H. L. Smead, W. O. Binder, M. A. Weppner.

Zeta—Garold A. Kane.

Theta—S. R. Bradley, Jr., T. E. Jones, Geo. A. Wilkins, C. G. Grover.

Iota—V. F. Ancell, B. S. Followill, E. W. Heilig.

Mu—Guthrie Mabrey.

Nu—Henry I. Bunker, Chas. F. Suesserott, Robert R. Galbreath, Robert H. Johnson, Arne O. B. Olsen, Richard D. Maine, Charles K. Carter.

Omicron—Leo Aschenbrenner, Harold A. Peterson.

Pi—Chas. D. Harmon, Edward F. Joach'm, Gilford G. Quarles, George Belote.

Sigma—E. R. Robinson, E. M. Stanbery, C. A. Cook, I. T. Fenneman, G. F. Leydorf, R. C. Moser, H. E. Ashmead, H. J. Channon, N. J. Hoenie.

Tau—Francis Vania, Earl Auyer, Tilro Hedden.

Upsilon—Madison Gordon.

Chi—G. M. Butler, Robert E. S. Heineman, Roy M. Goar, Fred F. Denny, Otto K. Mangum, Wm. E. Tremaine, Weldon Brinton, Leo L. Laine, Jacob Erickson, Jr., Elton Dail, Carson Minton, Jack E. Hopper.

## SIGMA XI

Alpha—Clarence Kutz.

Delta—L. W. Fraver, H. W. Smith, S. N. VanVoorhis, E. W. Vaughn.

Epsilon—Francis A. Johnson, Christian Jensen, Roger F. Rhoades.

Omicron—Wendell P. Munro, Duane C. McCann.

Sigma—C. A. Cook, F. W. Gilchrist, E. R. Robinson, R. C. Moser, R. W. Fiedler.

Tau—Harvey O. Banks.

## PHI BETA KAPPA

Pi—Chas. D. Harmon.

## PHI KAPPA PHI

Tau—Harvey O. Banks.

# NEW PUBLICATIONS

JAKOSKY, J. J., Zeta '20,
The Application of Geophysics to Mining,
*The Arizona Mining Journal*, April 15, 1930.

GARDINER, E. D., Lambda '03,
Drilling and Blasting in Metal-Mine Drifts and Crosscuts,
*Bulletin No.* 311, U. S. Bureau of Mines, Washington, D. C.

GANDRUD, B. W., Alpha '21
DEVANEY, FRED D., Mu '23, ex Alpha,
Bauxite: Float-and-Sink Fractionations and Flotation Experiments.

HOWBERT, VAN DYNE, Gamma '16, and MR. RICHARD BOSUYTON,
Mining Methods and Costs at the Presidio Mine of the American Metals Company in Texas.
*Technical Publication No.* 334, A.I.M.E.

JEFFRIES, ZAY, Hon. Delta,
Future of the American Iron and Steel Industry,
*Technical Publication No.* 331, A.I.M.E.

TEMPLIN, R. L., Zeta '15,
PAUL, D. A.
Modulus of Elasticity of Aluminum Alloys,
A.I.M.E. *Technical Publication No.* 366, Class E.

VAN HORN, KENT R., Delta '26 and MR. W. L. FINK,
Constituents of Aluminum-Iron-Silicon Alloys,
A.I.M.E. *Technical Publication* No. 351, Class E.

SHARPSTONE, D. C., Epsilon '24,
An Outline of the Geology and Development of the Roan Antelope Mine, Northern Rhodesia, Africa,
*Proc. Empire Mining and Metallurgical Congress*, 1930.

HULIN, CARLTON D., Epsilon '20,
A Mother Lode Gold Ore,
*Economic Geology*, Vol. XXV, No. 4.

JEFFERS, C. W., Nu '23,
Some hazards of Conveyor loading in Coal Mines,
*Information Circular* No. 6300, U. S. Bureau of Mines.

VANDERBURG, W. O., Beta '23,
Mining methods and costs at the Argonaut Mine, Amador County, California,
*Information Circular* No. 6311, U. S. Bureau of Mines.

DECAMP, W. V., Gamma '08,
The Responsibility of Management in Safety, (Address delivered before the Annual Safety Congress at Pittsburgh, Pa.)
Vol. XIV, No. 10, 1930.

JEFFERS, C. W., Nu '23,
Safety at the Mines of the Ford Collieries Company, Curtisville, Pa.,
*Information Cir.* No. 6339, U. S. Bureau of Mines.

KUZELL, C. R., Delta '10, BARKER, L. M.,
Milling methods and costs at the concentrator of the United Verde Copper Company, Clarkdale, Arizona.
*Information Circular* No. 6343, U. S. Bureau of Mines.

HOSG, C., Beta '13 and MATSON, J. T.
Mining practice of the Pecos mine of the American Metal Company of New Mexico.
*Circular* No. 6368, U. S. Bureau of Mines.

---

# INTERMOUNTAIN ALUMNI ASSOCIATION

A. E. CHRISTENSEN

Brother A. E. Christensen is president of the Inter-Mountain Alumni Association and carries his activities as an engineer into many fields.

His education at college, like most of us, extended over quite a few years, practical experience being sandwiched in between the acquisitions of theory. In 1907 his college work began at the University of Utah, but was interrupted in 1910, when he went east to Wisconsin. The year 1912-13 was spent at the University of Wisconsin. The urge of practical work kept him away from college until 1918. It was not until 1922 that he received his degree of B.S.C.E. from the University of Utah. His persistence finally gained him the coveted degree and now he could return again to his practice of engineering.

In 1912 he worked with the War Department at Green Bay, Wisconsin. Since then he has spent four years with the Utah State Highway Commission and two years with the Building Department of the O. S. L. R. R. Company. In 1919 he organized the contracting firm of Christensen-Jacob & Gardner, which firm has since successfully engineered to completion many large contracts including the U. of U. Stadium, irrigation projects, and particularly paving contracts in Salt Lake City, Price, Ogden and Provo, Utah.

His affiliation with the Associated General Contractors of America, Rotary Club, Salt Lake Chamber of Commerce and other memberships in the various engineering societies located at Salt Lake City, make it possible for him to render real service to Theta Tau through his experience and associations. His contribution to Theta Tau is exemplary of the ideal of each member of Lambda and of the I. A. A.

There were forty-six members of Theta Tau present at one of the most interesting and dignified affairs ever held at Salt Lake by the I. A. A.

Dr. H. T. (Hammer & Tongs) Plumb, Honorary of Lambda, executed his office as toastmaster most splendidly. Everyone felt right at home and the entire evening seemed more like a big family affair than anything else. The actives of Lambda Chapter were well represented and Edward Barker, the regent, gave an enthusiastic and colorful report of their doings at the "U on the

Hill". A. E. Christensen, I. A. A. President; Dr. H. T. Plumb, Honorary; Dr. Richard R. Lyman, Honorary; Dr. D. A. Lyon, Honorary of Nu; Dean R. B. Ketchum; Theodore Welcker, Beta; A. Z. Richards and R. A. Hart, prominent civil engineers all contributed very fine things to the entertainment of everyone and gave some really noble things for an engineer to think about. Such men are an inspiration in our great fraternity and lead us to the realization of the ideals given us by the Founders of Theta Tau.

ROY E. LUNDQUIST, *Secretary and Treasurer.*

---

## SOUTHWESTERN ALUMNI ASSOCIATION

The Southwestern Alumni Association has received considerable stimulus with the installation of Chi Chapter at Tucson, Arizona. Late in the Spring of 1930, several of our alumni went to Tucson to help install the chapter and from all reports this new chapter is getting along very well.

With the chapter in Tucson, it will probably be to the advantage of the Southwestern Alumni Association to establish their headquarters there and, if possible, have most of our gatherings there in order to keep in touch with the active members of the Chi Chapter.

CHARLES A. KUMKE, *President,*
Southwestern Alumni Association.

---

Richard C. Oeler, Kappa '30, captain of the Illinois varsity gym team, was the winner last year of the Big Ten Conference honor medal awarded by the athletic council. An honor medal of gold goes annually to the one athlete most outstanding from the standpoint of scholarship as well as proficiency in athletics in each of the conference universities. There can be no question of his eligibility for this election. As an athlete he stood far above the rank and file of the leading gymnasts of the Big Ten. His three seasons of competition on the varsity turning team had resulted in his winning three letters and a Western Conference championship in the sidehorse event in his junior year. As captain he led the team to second place among the Big Ten squads.

While winning his way to the first flight among the conference turners, Oeler also maintained a 4.62 scholastic average. This resulted in his election to Tau Beta Pi, whose Illinois chapter he served as president during the year 1929-30. He is a member of the Tribe of Illini, Theta Tau, Phi Eta Sigma, Pi Tau Sigma, and Lambda Chi.

—*Purple Green and Gold.*

# LOST THETA TAU ALUMNI

NOTE: Mail has been returned from the best addresses available for the following:

*Alpha Chapter*

Cleary, Harold F., '22

*Beta Chapter*

Alsop, Albert A., '08
Barton, Gerald M., ex '26
Case, Raymond A., '12
David, Joseph, '13
Evans, Carl W., 11
Fay, Wm. W., ex '22
Fredericks, W. Carleton, '23
Hugge, Edw. J., Jr., '23
Kendall, Arthur B., '17
Kirkpatrick, Marcus R., '07
Krumm, Geo. A., '24
McLachlan, Benj. H., '11
Moore, Chas. E., '27
Nicole, Ira P., '23
Riker, Eugene A., '10
Wilkinson, Paul H., '01

*Gamma Chapter*

Anderson, Robt. A., '27
Auman, Egbert E., '24
Berney, Arthur Y., ex '28
Bauerman, Elliott V., '23
Clapp, Leroy P., '08
Clothier, Conrad F., '24
Davis, Thomas, '23
Delahunty, Frank E., '23
Fiske, Harry M., '21
Gahagan, Donald L., '27
Gibson, Robt. W., '18
Graham, David J., '21
Hoosille, J. Kell, '22
Hyland, Norbert W., '22
Jones, David L., '22
Mahoney, John J., '19
McClaren, Robt. L., '23
Reicken, Hugo, '27
Sloan, F. P., ex '26
Stewart, Charles H., '26
Stewart, Clifford H., '23
Stanford, Joel G., '23
Walker, Stanley M., '11
Young, Guy K., '15

*Delta Chapter*

Arms, Chas. S., '12
Dauber, Clarence A., '26
Hampton, Donald V., '23
Jenks, Karl E., '19
Moseley, Edgar T., '24
Sessoin, Carl, '10
Spinwl, Norman E., '17
Wherry, Harry B., '23

*Epsilon Chapter*

Davis, Sherwin B., '12
Duncan, Dan M., '18
Foulke, Ronald E., '18
Frazer, Sidney E., '18
McDonald, Orlando G., '24
Miller, Wm., B., '16
Salisbury, Ralph T., '21
Schroeder, Walter H., '11
Simpson, Edw. C., '21
Vail, Randolph R., '11
Wilson, Frank L., '12

*Zeta Chapter*

Bartell, Albert B., '17
Bear, Dannie M., '23
Bell, Arnold A., '18
Bown, Wm. F. '21
Brehm, Wm. W., '23
Brown, Nathan W., '11
Davis, Clifford G., '26
Deaver, Ray E., '17
Herndon, Harold D., '23
Holt, Hubert C., '18
Hunt, James L., '16
Kennedy, Alex S., '21
Kennedy, Mason H., '26
La Mer, Jos. S., '19
Madden, J. Edgar, '18
McCune, Malcom L., '11
Nutting, Floyd L., '11
Painter, Chas. J., '11
Patterson, Robt. S., '27
Rose, G. Edmund, '23
Rutledge, Robt. M., '22
Ward, Richard B., '13

*Eta Chapter*

Ackerman, Gilbert J., '28
Benton, Herbert G., '13
Brotherton, Wm. G., '13
Dickson, Benj. A., 22
Earthing, Wm. J., '16
Hereford, Rockwell, '24
O'Donnell, Ottomar, '13
Polley, Ernest E., ex '13
Rogers, Robt. W., '26
Stuart, Lyall L., '21
Swain, Winthrop C., '16
Wood, Thomas S., '24

*Theta Chapter*

Crawford, John, '22
Hadsell, Irving W., '14
Olstad, Martin H., '27
Porske, Norman J., '26
Somerville, Wm. B., Jr., '17

*Iota Chapter*

Burg, Robert, S., '16
Ehlers, Louis W., '16
Fleming, John W., '23
Gordon, John P., Jr., '23
Machin, Edwin G., '22

Machin, Wm. B., '26
Mann, Walter J., '19
McBride, Hollis E., '21
Nolte, Wm. J., '19
Robertson, Edw. E., '24
Scott, Guy R., '24
Stearn, Samuel H., '23
Valerius, Claude N., '23
Watkins, Marion W., '23
Wright, Kenneth M., '20

*Kappa Chapter*

Arming, Henry U., '24
Bartlett, Charles H., '21
Bates, Gardner O., '24
Blair, James A., '21
Bergeson, Carl A., '21
Bowersock, Wm., '19
Broderick, James R., '26
Foulke, Ronald E., '18
Hiske, Harry G., '20
Happeney, John C., '24
Jackel, Herbert A., '23
Johnson, Ralph B., '20
McClelland, Ralph L., '22
McEvers, Ernest M., '20
Peterson, Donald E., '23
Reichelderfer, Harry, '18
Robinson, Geo. W., '24
Tucker, Morrell L., '26
Welsh, J. R., '24
Wharton, Russell F., '22

*Lambda Chapter*

Adams, Thos. C., '22
Browning, Thos. C., ex '23
Caulfield, Jos. P., '22
Christensen, L. A., ex '11
Farnsworth, Wayne H., '24
Fredericksen, Louis J., '27
Funk, Alfred M., '27
Greene, Kenneth S., '27
Grey, John S., '23
Hardy, Edw. V., '21
Hartman, Clarence W., '27
Haylor, Herbert C., '24
Hayward, John E., '20
Jacobsen, Wm. B., '28
Jennings, Brenton W., '24
Jones, Geo. M., '27
Kelsey, Wm. H., '11
Maughn, Wm. B., '14
Mitchell, Thos. F., '24
Rumph, Lee M., '21
Shelley, Wayne L., '23
Smith, Wm. A., '22
Stephens, Lorne R., ex '21
Wadsworth, Darrell B., '26
West, Harold R., '21
Whitney, Hardin A., ex '23

*Mu Chapter*

Cole, Guy M., '24
Hamilton, Wm. E., '23
Mallette, Rene F., '22
Nason, Geo. H., '23
Pearson, John W., '26
Shannon, John J. Jr., '23
Shotts, Claude C., '22

*Nu Chapter*

Baugh, Elbert A., '23
Jeffers, Chas. W. Jr., '23
Johnson, Edwin H., '22
Loughry, Thos. F., '24
Masetti, Albert C., '24
Mitchelbree, Walter F., '22
O'Connor, John M., '26
Porterfield, David C., '23
Schweizer, Leslie C., '23

*Omicron Chapter*

Bowman, P. F., '22
Eaton, Malcolm, '24
Fisher, Darrell, '23
Flanagan, E. J., '29
Gunderson, Wendal, '26
Rich, Edmund, '22
Smith, F. B., '26
Spear, R. B., '11
Thiessen, A. B., '11
Vogt, Leo L., '23

*Xi Chapter*

Highleyman, Chas. D., '27
Miller, Noel H., '26
Peterson, Wilbur J., '23
Rye, Frederick S., '26
Thayer, F. W., '26
Walker, Wesley S., '26

*Pi Chapter*

Mayers, Loyd C., ex '27
Painter, Newton J., '23
Vaughn, Harry K., ex '24
West, Paul L., '23
Wise, Samuel G., '22

*Rho Chapter*

Bilbenstein, Richard V., '2
Jenkins, Donald B., '22
Smith, Perry M., '28
Studdert, Wm. W., '27
Sutton, Edw. A., '26

*Phi Chapter*

Mills, Edward E., '26

---

We would greatly appreciate receiving news items that you feel would prove of interest to the readers of THE GEAR. New items about brothers, including business promotions, marriages, births, etc., or special articles or papers by members, are of particular interest.

P. L. MARCER *and* J. W. HOWE,
GEAR *Editors.*