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The GEAR *of*
THETA TAU

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November, 1923

VOLUME XIV

NUMBER 1

The GEAR *of* THETA TAU

OFFICIAL PUBLICATION OF THE FRATERNITY

ALBERT W. MORSE, '25 ALPHA, EDITOR
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Theta Tau Fraternity

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

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-



DR. GEORGE D. LOUDERBACK
Grand Regent

THE GEAR OF THETA TAU is a quarterly magazine!

This is a statement of fact, with regard to a condition which actually exists. In other words, THE GEAR OF THETA TAU is not an annual, nor is it a semi-annual. It is published four times each year.

Placing the magazine upon a quarterly basis is a step of vital importance to the fraternity. It means that active members and alumni must discharge their obligations with more dispatch and efficiency. And it also means that they in return will become more closely affiliated with the national organization.

A worthy magazine for a great and virile fraternity!

FIELD WORK IN THE TROPICS

A Chance To Rub Elbows With Nature

By LYNDON L. FOLEY, '18, Alpha.*

THE geologist or engineer who performs field work in a tropical country encounters many strange conditions and has many experiences which are very interesting, even though not always agreeable. The surroundings and customs of the natives are so different from those in a northern country that it is usually a liberal education for him to live among them for a while.



Ready for the first day.

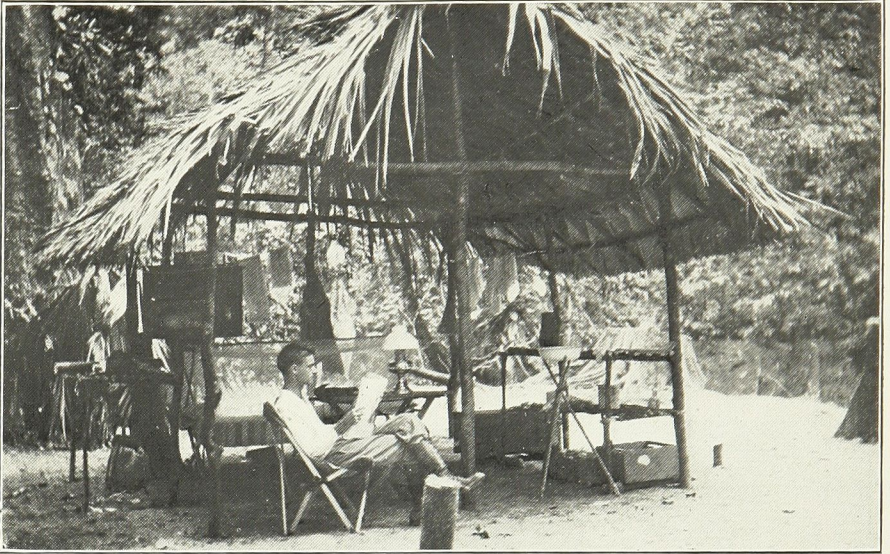
As a rule, the work of a man prospecting or mining for metals is done in mountainous regions, and probably at a considerable altitude. Here the climate is most delightful. It is never very hot, and the temperature is low only in the extremely high regions, making conditions quite health-

ful. The oil man, however, usually operates in lower districts, along the coast, where the climate is entirely different. It is hotter, there is more rain, insect life is more abundant, and malaria and hook-worm are common.

During the dry season, jungle work is not at all unpleasant. It is cooler under the trees than out in the open, and the mosquitoes are not as plentiful. This season lasts only about three months, though, and the rest of the year it rains nearly every day. The whole jungle becomes soggy and dripping, the rays of the sun are unable to penetrate the dense foliage to dry the ground, and the humidity is about ninety-five per cent. It is very difficult to dry clothes, and life in general becomes thoroughly miserable, only the insects appearing to thrive on the damp heat.

Life in the jungle has one great advantage over that in

* Brother Foley was in Trinidad from January, 1919, to December, 1921.



All the comforts of home—and the Saturday Evening Post

the settlements: the general filth which is characteristic of most tropical countries is confined to the populated areas. There is very little danger in the forests of contracting hookworm or typhoid fever, although one may get malaria in the rainy season. Insects found in the jungle bite, sting and are generally annoying, but they are clean and self-respecting in comparison with the cockroaches which swarm in the villages. So the jungle is more healthful than the towns.

Many people inquire about snakes, and seem to think there is constant danger of sudden and painful death from their bites. As a matter of fact, there is little cause for apprehension if moderate care and watchfulness are exercised. Even the natives, who go about bare-footed, are seldom bitten by snakes. The danger from mosquito bites is far greater, and a large percentage of the population suffer from malaria and other diseases transmitted by insects.

A man in good physical condition can stand a year or two of tropical work without serious injury to his health if he is reasonably careful. But it would be unwise for him to continue for a longer period: he would be liable to get malaria, a stubborn disease which makes a person miserable while it lasts. Nothing can compensate a man for the loss of his health, and one who stays in a temperate climate is much better off in the long run.

THE NEW FORT SNELLING BRIDGE

Theta Tau Skill Directs a \$2,000,000 Project

BY ALBERT W. MORSE, '25 Alpha

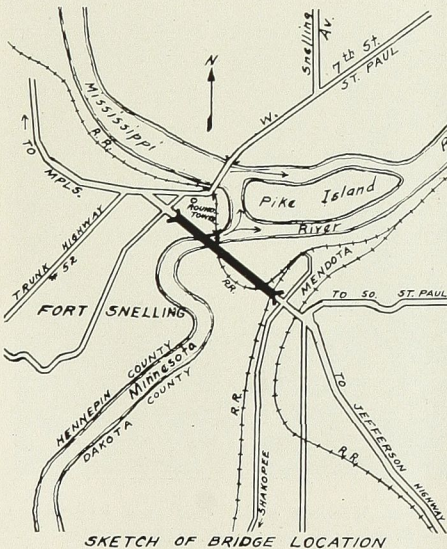
PLANS for the Fort Snelling-Mendota bridge, soon to be built across the Minnesota river, are in the hands of Walter H. Wheeler, '06 Alpha, and will be ready for submission to the contractors sometime in January. This bridge will eliminate the present lack of a satisfactory outlet to South St. Paul and the southern part of Minnesota. It will be a boon to both the Twin Cities, and a fitting monument to the skill of Brother Wheeler.

The construction was authorized less than a year ago by Congress, when an act was passed allowing Hennepin county to place a bridge across the Minnesota river from the Fort Snelling reservation to Mendota. And shortly afterwards the state legislature empowered the county to issue \$2,000,000 in bonds, \$1,800,000 of which is for the actual construction of the bridge.

At first it seemed advisable to place two of the piers on the sandbar south of Pike island. This land being within the jurisdiction of St. Paul, negotiations were begun with that city. St. Paul, however, refused to grant Hennepin county this privilege unless a spur of the new structure would be built over to the present Snelling bridge. Refusal of the

Government to permit construction of the spur and the additional year of work which would be necessitated, prevented the consummation of the plan, and it was decided to build the bridge several hundred feet to the west of the original location at an added cost of \$50,000.

Four types of construction were considered, consisting of steel, concrete, arch, truss span, and a combination of steel and concrete, designs. Of these, but two now remain for consid-



eration, a concrete arch and a combination of steel and concrete. The former would cost \$1,570,000 and require two-and-a-half years for construction, whereas the latter can be built for \$1,400,000 and could be completed in one-and-a-half years.

The bridge will be 4,055 feet in length, nearly four-fifths of a mile, 500 feet being over the river itself, and the remainder over the lowlands below the bluffs. The floor is to be 115 feet above the average water level, with a width of 45 feet for roadway and an allowance for 6-foot sidewalks on each side.

Word has been received by the Hennepin County board that the chief of engineers in Washington has given his approval for the right-of-way. This means that there will be no delay on account of red tape regarding the Fort Snelling end of the structure. Approval has been received for both the steel and concrete designs, permitting Brother Wheeler to use either type of construction.

A contract was let the first of December for clearing the right-of-way, and a strip one hundred feet wide has been



The 4,000-foot stretch between Fort Snelling and Mendota which will soon be spanned by a two-million-dollar bridge—Mendota is on the far side

prepared. This eliminates such obstacles as stumps and debris, leaving the contractors a clear field.

According to law, there must be a certain period between the time bids are at first received and the time they are closed. This brings the closing to the first of February. Then the work will be put into full swing.

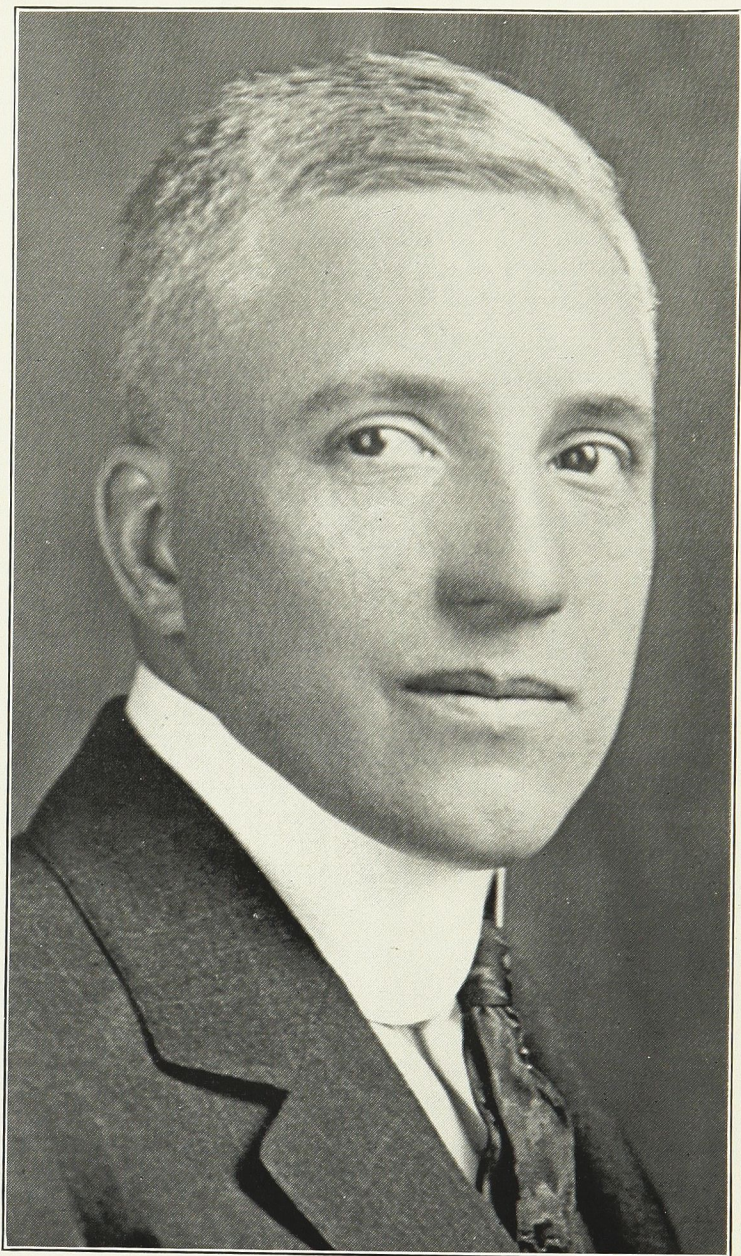
Opening of the bridge will make Minneapolis more accessible to the people of southeastern Minnesota. In the past, they have had to go through St. Paul, necessitating an extra trip of at least five miles. And business in the south part of Minneapolis should improve when the travel through this district is increased.

The bridge will open a direct arterial highway from Minneapolis, south to Lakeville, and then east to Farmington, over the Jefferson highway. It should also be of benefit to those who wish to go to St. Paul; they will no longer have to go through the western part, or any part, of Minneapolis, but can pass over the new bridge directly into St. Paul.

The tourist camp, located in the vicinity of Fort Snelling, will be much more accessible to travelers coming from the south. And to those coming up on the Jefferson highway, the new bridge will mean a saving in mileage of about twelve miles, eliminating the present route through St. Paul.

In this age of radio, when the "pickle tube" and allied contrivances are so well known to the layman, the Fort Snelling-Mendota project will be of great value to the southern Minnesota farmer. He will be able to "listen in" on his wireless set, get the highest quotation on farm products from WLAG, and go directly to the market where he can get most for his goods.

As an aid to the Twin Cities themselves, as an aid to their neighbors immediately to the south, and as a part of the comprehensive, state, good roads system, the new Fort Snelling-Mendota bridge will bring returns in the future which will be many times greater than the actual cost of construction.



ARTHUR EATON

ΘHETA TAU lost one of its outstanding members in the death of Arthur Eaton, '13 Epsilon, on May 5, 1923. He died in Merritt Hospital, Oakland, California, following a major operation.

Brother Eaton was born in Wayne, Michigan, October 28, 1886, and was the son of Mr. and Mrs. James L. Eaton. After spending his early boyhood in Wayne, Detroit and Ann Arbor, he went to California at the age of seventeen. He was employed by the Los Angeles chamber of commerce for several years, assisting in preparation of mining displays for the Atlantic City chamber of commerce and expositions at Portland and Seattle.

In 1909 he entered the University of California, and graduated with honors in 1913 from the College of Mining. He was prominent in the activities of Epsilon chapter of Theta Tau, holding the office of regent in 1912, and attending the national convention that year in Houghton, Michigan, as the representative of Epsilon. He also was a member of Sigma Xi, Tau Beta Pi and Phi Kappa Sigma.

Upon graduation, he went directly to the Ely, Nevada, copper district. And in 1914 he began two years of work on the Louderback geological party, sent by the Standard Oil company of New York to investigate large areas in China and the Philippine islands.

He returned to the United States in 1916. After several months of work in California oil fields, he moved to Denver. Here he became chief consulting geologist for the Midwest Refining company, later entering the firm of Harrison and Eaton, which did consulting work in oil geology.

In 1921 he became associated with James Darnell in New York City, specializing in oil and mining taxation problems. He was a delegate from the American Association of Petroleum Geologists to the International Geological Congress in Brussels, in August, 1922. Planning to make his permanent home in California, he opened an office in San Francisco in February of the following year.

Brother Eaton was a member of the American Institute of Mining and Metallurgical Engineers and the American Association of Petroleum Geologists. He was married June 12, 1916, to Emily Churchill of Berkeley, and is survived by his wife, a son, Arthur Eaton Jr., and a daughter, Martha Eaton.

Recent Publications by Theta Taus

CORROSION IN MINE WATERS

By ROBERT J. ANDERSON, '14 Delta

TESTING FOR METALLURGICAL PROCESSES

By JAMES A. BARR, '07 Beta

Chief engineer for the International Agricultural
Corporation, Mt. Pleasant, Tenn.

TIMBERING OF METAL MINES

By E. A. HOLBROOK, Hon. Kappa

Dean of the College of Mining, Penn State College

Alpha Chapter

Founded at Minnesota - October 15, 1904

Total number of initiates - - - - - 244

Active members - - - - - 22

WE of Alpha have experienced the desolation of the homeless. Upon our return to the University this fall, we found the chapter house in the midst of a comprehensive process of re-decoration. The members could not study in comfort, we were in no condition to conduct a rushing campaign, and the landlord notified us that he would pay for the improvements by raising the rent, so we endeavored to find new quarters. After a fruitless search, we threatened to move, the landlord relented, and we are at our former address for another year. Which is a strong argument for a house of our own!

The event which is freshest in our minds and the most worth-while occasion of the quarter was without question the Founders' Day banquet. On the 15th of October the actives and alumni living in the Twin Cities gathered at the Minneapolis Athletic club, where a program of speeches, singing and orchestra music was presented by Alpha chapter. Our beloved Grand Scribe, Erich J. Schrader, '05 Alpha, who alone is in great measure responsible for the wonderful success of the fraternity, was unable to be with us; but even in his absence he inspired us to forget our personal fortunes and make a more unified effort to be true to the principles of Theta Tau.

Two informal lectures have been given by members before the chapter this fall. Clarence J. Knutson, senior miner, explained geological conditions in the Lake Superior region, covering ore deposition and formation in copper and iron ore mines. And Professor Walter H. Parker, '07 Hon. Alpha, described the different methods of mining, illustrating his lecture by several views of typical workings.

Alpha wishes Theta Tau a happy new year, and confidently hopes that the record of each chapter during the next twelve months will be a credit to the national organization.

ALBERT W. MORSE.

*Minneapolis, Minn.,
December 27, 1923.*

Beta Chapter

Established - - - March 26, 1906

Total number of initiates - - 255

Actives (1922--1923) - - - 24

BETA began this fall with the smallest active chapter in years, only twenty-four brothers returning at the beginning of the term. Fifteen were lost through graduation. The smallness of the active chapter called for a careful rushing campaign, which has since been carried out by the entire active chapter. This resulted in our obtaining eleven pledges, nine freshmen and two upper-classmen. The two upper-classmen are Nels Nelson from Pequaming, Mich., and Walter Krueger from Manistee, Mich. Freshmen pledged are as follows: Charles Fyvie, McMillan, Mich.; "Bob" McEwen, Tarrytown, N. Y.; Dick Sutton, Bayside, L. I.; William Penhallegon, Birmingham, Ala.; Leo Jolly, Iron River, Mich.; Earl McCarthy, Cheboygan, Mich.; John Bardill, Brooklyn, N. Y.; "Jerry" Barton, Detroit Mich.; and Loyd Daume, Calumet, Mich.

The chapter is represented in every activity on the campus. The most important office, that of president of the Student Organization, is held by Brother Guerin, who succeeded Brother Jud Huyge. Ex officio, Brother Guerin is chairman of the Student Council, of which Brother Warner is also a member.

Quite a sensation was created among the townspeople early this fall by giving a big smoker. Nothing but praise was given to Brother Knaebel as chairman of the Committee in charge. The college paper, The M. C. M. Lode, is being edited by Brother Haga. The staff includes Brothers Warner, Neil, and Weed, and pledges McEwen and Fyvie. The paper has changed from one that a few years ago was almost a farce, to something that is really of interest.

Indications seem to assure the college having an annual publication this year, due to the efforts of Brother Guerin. The last edition was published many years ago, but we know that Brother Guerin will put things on such a basis that it will become a permanent part of the college life at Houghton.

In former years, football at M. C. M. was considered a minor sport. The team was never organized, and didn't

even have a coach. This fall the Student Organization voted football a major sport, and Beta came through with the strongest support, six brothers receiving letters as regulars, and Brother "Matt" Johnston receiving a letter as manager. The team went through the season without defeat, and without being scored upon.

The chapter will hold its regular fall initiation on December 8, when ten of the pledges will be taken in. This initiation will mark the beginning of the work of the brothers who will comprise the active chapter in the next two years, and it is with great expectations that the chapter looks forward to the future activities of the men being taken in.

Beta extends a most cordial invitation to all visiting brothers, and only regrets that its location makes these visits very rare events.

G. A. KRUMM.

*Houghton, Mich.,
Nov. 28, 1923.*



Beta Alumni

CARL W. ABRAHAMSON, '21, is engineer for the Brule Mining Co. at Stambough, Mich.

WORTH B. ANDREWS, '06, operates independently in the oil business at Fort Worth, Texas.

JAMES A. BARR, '07, author of "Testing for Metallurgical Processes," is interested in the production of rock fertilizers. He has been appointed chief engineer for the International Agricultural Corporation with headquarters in Mt. Pleasant, Tenn., and will divide his time between Florida and Tennessee mines and the various plants.

ARTHUR E. CARLSON, '15, lives in Marble, Minn., Box 102.

WILLIAM F. CARROLL, '09, may be addressed at 635 Isabel St., Glendale, Calif.

CHARLES E. CHAFFIN, '13, is the eastern representative of the General Engineering Co. of Salt Lake City. His headquarters are in New York City.

ARTHUR L. ENDRESS, '21, has a job with the Spar Mountain Mining Co., Cave In Rock, Ill.

WERNER FERNAN, '19, is engineer for the state highway department, La Grange, Texas.

FRED S. GIBBS, '14, resides in Humboldt, Ariz.

ERNEST R. GRAHAM, '06, who is with the Pennsylvania Sugar Co., lives in Miami, Florida.

DURAND A. HALL, ex '14, consulting geologist, is at 98 El Camino Real, Berkeley, Calif.

Gamma Chapter

Established - - November 8, 1907

Total number of initiates - - 224

Actives (1922—1923) - - - 35

GO go back to what seems the Archaic, Gamma chapter started the 1922—1923 school year with twenty-one members, ready to assume the place on the campus which Theta Tau deserves at the Colorado School of Mines. All these men were members of the class of 1922, the largest and acknowledged the most unique class in the history of the oldest mining school in the United States. This was an abnormal class because most of its members were returned service men.

Regent Ryan, because he expected to graduate early, resigned at the opening of school, and his place was filled by Allan Hambly.

A pledging agreement with Sigma Gamma Epsilon was decided upon, and bids were sent out before the Thanksgiving recess. This method of pledging is unique, insofar as Gamma can determine. Each fraternity selects its men. These lists are seen by a committee of faculty members of the fraternities, and letters are sent to each of those elected. Without knowing which organization has chosen them, they fill out a statement with their preference. Should they prefer the one to which they have been elected, all is well. Should they prefer the rival organization, they may be admitted. In this manner, no one can openly boast that he has turned down one for the other. This system works well at Gamma.

The following were pledged under this system: William S. McWhorter, Carleton Richardson, Thomas Slaughter, Keith Taylor, Arthur Swift, Adolph Beck, William Gebo, Eugene Binyon, Paul Grant, John Evans, all of the class of 1923, and Cedric McWhorter, Firman Brown, Ray Chatfield, John Gardere, Phillips Mahood, Howard Keller, Edgar Auman, George Gallagher, Henry Skinner, Conrad Clothier, Harold Holkestad, Rolland Woods and Montgomery Budd of the class of 1924. Theta Tau did not lose a man bid. They were all initiated on the 11th of January, 1923.

Dr. George Louderback visited the chapter on his return from the installation of Xi chapter, at Madison, Wisconsin,

in January. The Grand Regent's visit was very beneficial and was opportune. He outlined a general policy for the chapter, suggesting that some of the alumni be asked to deliver engineering talks to the men. Acting upon this suggestion, a number of informal discussions were held, the most successful of which was the talk on South America delivered by Dean Grant. Gamma favors these informal discussions when practicable. The annual dance was held in the spring.

Gamma lost heavily at graduation. Sheepskins were awarded to the following: Adams, Benjamin, G. W. Crawford, R. F. Crawford, Fidel, Hambly, Herron, Jordan, Knill, Martin, McGlone, Mitchell, Parkinson, Peck, Price, Robineau, Ryan, Sheriger, Taylor, W. S. McWhorter. Richardson, Slaughter, Taylor, Swift, Beck, Gebo, Binyon, Grant, and Evans.

Auman, Gallagher and Clothier failed to return to school in the fall of 1923, leaving 10 men in the active chapter. More will be pledged in a few days.

To review the achievements of the Gamma men for the past year, would border a review of the entire school. Benjamin was a skilled athlete, but injured his leg before he won a letter. He coached the frosh basketball team. G. W. Crawford was a letter man in wrestling, and took a fling at the fistic game when the Mines entry was suddenly taken ill. Ron Crawford captained the wrestling team two years, was coach of wrestling his last year, made all-conference tackle despite his 155 pounds, was a member of the Athletic Council, and ranked as one of the best students in school. Hambly was a member of Tau Beta Pi, as was Jordan, Herron, Knill, Martin, Parkinson, Price, Ryan, and Evans.

Jordan was one of the greatest athletes in school. He played quarterback on the varsity, made all-conference forward in basketball, and was captain of the baseball team. In addition, he was a member of the Athletic Council, vice-president of the student council, and president of the senior class. Knill was a track man.

Armor Martin was president of the Student Council, editor of the Oredigger (the school weekly), editor of the Prospector (the annual), member of the wrestling team, and president of the non-fraternity men.

McGlone won all-conference berths in football, baseball and basketball, leading in all fields. He played fullback on the grid team, center in basketball and first base in baseball. He captained the football and baseball teams in his junior year, and was given a handsome watch at graduation for his accomplishments as the greatest Mines athlete.

Mitchell played halfback on the football team, and was injured to such an extent that he couldn't go out for track. Parkinson was a guard on the football team, a member of Tau Beta Pi, and an all around activity leader. Peck was captain of the track team. Price captained the golf team and was center on the football eleven. Robineau played second base on the baseball team and was once tennis champion of the school.

Max Sherriger won a place in the weight events in track. McWhorter won a letter in football, in spite of the fact he was the lightest man in the conference, weighing only 110 pounds. Slaughter won a letter in baseball. Taylor won the heavyweight wrestling championship of the Rocky Mountain conference, and was guard on the football team.

Swift was athletic editor on the Oredigger. Gebo was captain of basketball, and Evans placed on the football eleven as a tackle. Cedric McWhorter was junior class president, member of Athletic Council, and has just completed his duties as football captain in 1923. Ray Chatfield is 1923 football manager. Gardere was catcher on the Oredigger ball team last spring. Mahood is captain-elect of basketball, president of the Student Council, captain of tennis and member of Tau Beta Pi. Keller is a two-year, football guard. Holkestad was business manager of the Prospector, is a member of Tau Beta Pi and was on the Oredigger staff. Rolland Woods is manager of boxing and wrestling, is circulation manager of the Oredigger and is class treasurer. Montgomery Budd is editor and manager of the Oredigger, is assistant editor and manager of the Alumni magazine, vice president of senior class and was associate editor of the Prospector.

The fact that Firman Brown is our representative at the convention should aid us in making more close the bonds which tie us to the brother chapters. We extend our best wishes to all Theta Taus.

MONTGOMERY R. BUDD.

*Golden, Col.,
Nov. 28, 1923.*

Delta Chapter

Established - - - May 23, 1911

Men initiated this fall - - - 4

Active members - - - - - 14

FOR a number of years Delta functioned as a social fraternity, but in the spring of 1923 it was decided to return the chapter to its true, professional basis. Accordingly, it was reorganized, and all but five of the old members honorably suspended. A new chapter was immediately built up, numbering sixteen actives and one honorary member, Dr. F. R. Van Horn, Professor of Geology and Mineralogy at Case, and at the end of the year ten members of the Junior class were initiated. Fifteen men were lost by graduation at the close of the school year, leaving eleven actives to carry on the work of the chapter.

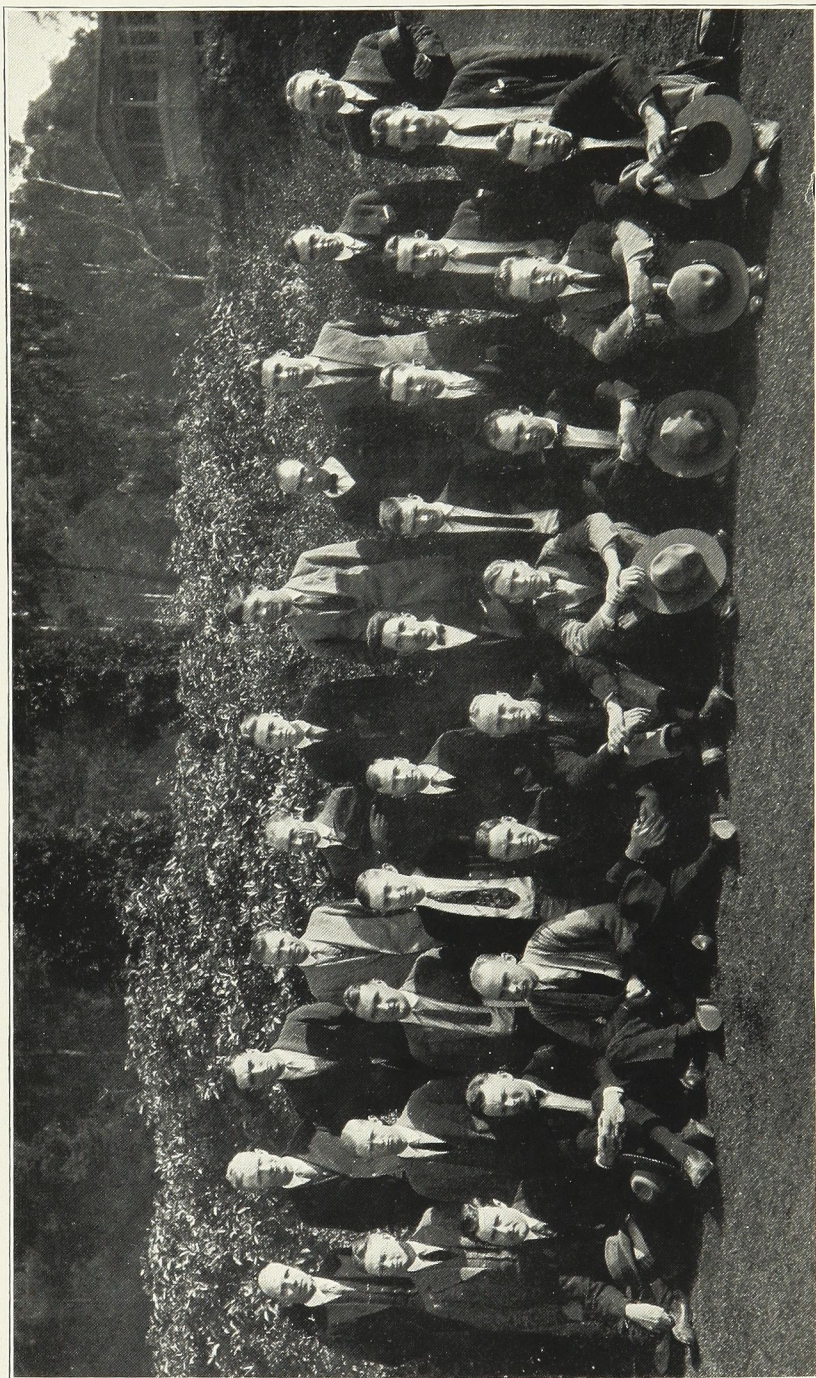
Early this fall, Prof. C. L. Eddy was made an honorary member of Theta Tau, and at the same time three Juniors, R. T. Unkefer, E. L. Bowersox, and C. J. Hammond were initiated.

Delta chapter is well represented in campus activities this year. Campbell played halfback on the football team, and will be captain of the varsity basketball squad this winter. Hale expects to lead the track team through a successful season, and is assisted by Ingram. Kaufmann, our Regent, is president of the Cosmopolitan Club. The chapter came through in fine shape at class elections. Bowersox was elected president of the Junior class, while Campbell, Goll and Hammond carried off other class offices. Delta has four men on the Case Club Board of Managers: Campbell (president), Hale, Kaufmann, and Unkefer. In the Boost Case Association we have Ingram, Cover, and Hale. Plummer (manager) and Parmelee are in the Glee Club, Hill is the head of the Case News Service, and Cover presides over the Student Senate, an organization to which Hale and Hammond belong.

Despite the handicap of recent reorganization, Delta is rapidly assuming a position of leadership on the campus of Case School.

C. J. HAMMOND.

*Cleveland, Ohio,
Dec. 3, 1923.*



MEMBERS OF EPSILON

Top row: Dr. R. R. Morse, J. P. Fox, W. G. Donaldson, Dr. M. G. Edwards, Prof. W. F. Morley, E. N. Pennebaker, P. W. Koch, S. B. Henry, R. V. Harris, Dean F. H. Probert, Prof. E. A. Hersam.

Middle row: W. M. Nicholls, J. P. Bailey, P. M. Gardiner, H. O. Elfpman, R. P. Miller, Geo. Vorbe, E. H. Chisholm, J. F. Mahoney, N. Hardy, Alfred Livingston.

Bottom row: O. G. McDonald, J. R. Sweet, H. B. Loyd, Prof. L. C. Uren, J. B. Chamberlain, R. E. Byler, D. T. Hoenshell, R. W. Walling, D. C. Sharpsteen.

Epsilon Chapter

Established	- - - -	May 4, 1911
Total number of initiates	- -	215
Active members	- - - - -	27

THE fall semester of 1923 has probably become one of the most eventful in the history of Epsilon chapter, and it has promise of being the most successful.

Several weeks after the University opened, Berkeley became engulfed by the greatest fire of recent years. It was a devouring cloud of flames that in a few hours made ashes of sixty blocks of beautiful residences and left hundreds homeless. Members of Theta Tau lost heavily; among them were Edwards, Pennebaker, Donaldson, Fox, Nicholls and Chamberlain. We were pleased to see the helpful spirit shown by all of our members during the crisis and the admirable way in which the above mentioned ones cheerfully accepted their losses.

Following the fire, Epsilon turned its attention to the consideration of new members. The matter of sifting out men of Theta Tau calibre in a large institution is by no means easy, and as an aid to solving the problem an "open house" was inaugurated to be held at the first of each semester. It is to be conducted in a manner that does not suggest a rushing party. All upper classmen of mining and geology are to be invited and a lecture on some interesting subject, followed by refreshments and an opportunity to enjoy personal conversation, will furnish the entertainment. It is hoped in this way to eliminate some of the danger of overlooking good material, and to help form more perfect impressions of the men we have in mind. The first of these meetings was quite successful. Dr. Kofoid, introduced by Dr. Louderback, gave an interesting talk on health conditions confronting engineers.

We are especially concerned at the present time with the idea of fostering a spirit of writing and thinking, among lower classmen, on some of the important professional problems of the day. We also hope to emphasize how imperative it is for the engineer or geologist to have a good command of English, and to always be able to express himself clearly and concisely. The plans for accomplishing this

are not complete, but the probabilities are the chapter will offer, each year, an attractive prize of some kind for the best essay on a chosen subject.

One of the most important movements on foot is that of acquiring a permanent home for the chapter. The growing need for a house is causing the members to put forth every effort in that direction. Although the matter has been complicated by the Berkeley fire, we trust that before the academic year ends satisfactory progress will have been made in that direction.

The importance of keeping in close touch with our alumni, by having them attend our meetings, is not being overlooked by Epsilon. In order to shorten the long uninteresting business discussion as much as possible and allow more time for speeches, an executive committee has been appointed. This committee meets separately and transacts the general run of business, reporting at each regular meeting to the chapter. Two very interesting talks have been given by alumni members this fall. Professor Hersam, who returned this year from conducting important research for the Bureau of Mines, told of some of the experiences and impressions he received while in the east. Professor Uren, who has recently published a new book on oil, give an instructive talk on the evaluation of oil lands.

Campus activities always hold a special attraction to members of Epsilon. Livingston is editor this year of the California Engineer. He has done much to make it one of the foremost publications on the campus. Byler, Sweet, Pennebaker and Livingston are on the Engineering Council and give us promise of a glorious Engineers' Day. Loyd is secretary of the Mining Association and Koch is a member of their executive committee. Donaldson, our husky crew man, is holding up the chapter's reputation in athletics. Krebs, manager of last year's track team, was nominated this fall for the Rhodes Scholarship.

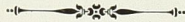
The chapter lost many of its members by graduation last spring, most of whom now occupy good positions in mining and geology. Fortunately, there was a wealth of fine material this fall from which to choose our candidates, and J. P. Bailey, J. B. Chamberlain, C. H. Chisholm, H. O. Elftman, J. P. Fox, T. M. Gardiner, D. T. Hoenshell, J. F. Mahoney, W. M. Nicholls, D. C. Sharpstein and R. W.

Walling were initiated. These men possess the qualities demanded by Theta Tau. They are already working to further the ideals of the organization. A most successful banquet was held following the initiation, at which all of the new members admirably responded to toasts. We were especially pleased to have with us at this time our Grand Regent, Dr. Louderback, whose presence is always an inspiration to the chapter.

Epsilon issues a warm welcome to any brother who may come this way, and extends hearty greetings and best wishes to all members of Theta Tau.

O. G. McDONALD.

*Berkeley, Calif.,
Dec. 1, 1923.*



Epsilon Alumni

JOHN P. BUWALDA, '12, Associate Professor of Geology and Dean of the Summer School at the University of California, was taken ill with typhoid fever while doing research work for Carnegie Institute in the John Day country. He is now improving.

WM. F. FOSHAG, '19, who is mineralogist for the United States National Museum, has recently married.

JOHN A. HENDRICKS, '14, is doing geological work in Tampico Oil Fields.

FRANK S. HUDSON, '12, who was one of the founders of Epsilon chapter, is general manager of the Ventura Oil Co., of California.

ERNEST HERSAM (Hon.), Prof. of Metallurgy, has returned to his duties at the University after spending a year conducting important research for the U. S. Bureau of Mines in Boston.

WILLIAM KEW, '13, is busily engaged with the U. S. Geological Survey in Southern California.

JESSE B. LEISNER, '21, and GEO. O. SCARFE, '23, are in British Columbia doing mine evaluation work together. They have been there several months.

PARKER D. TRASK, '17, who took his Ph.D. here last spring, has a traveling scholarship in Europe. He has met many of the foremost European geologists and is studying at the University of Paris. He expects to spend Christmas in Berlin.

HUBERT R. THORNBURGH, '22, left California with a Master's Degree last spring, and is doing geological work for the Southern Pacific. He covers a vast amount of territory, but maintains he is not a Pullman Car geologist.

LESTER C. UREN, '11, Associate Professor of Petroleum Engineering at the University of California, has recently sent to press a new oil book.

Zeta Chapter

Established	- - -	April 17, 1912
Total number of initiates	- -	176
Active members	- - - - -	15

ZETA chapter started the year with only thirteen active members and ten pledges, since we lost fourteen men by graduation last spring. Then we held an initiation for two men on the night of October 23, so that our total number of active members is now fifteen. On November 6, we chose the following men for pledging: Ray Lawrence, H. A. Stonebraker, "Ted" Cambern, and "Tus" Ackerman.

Zeta chapter is well represented in the activities on the Hill this year, considering the small size of the present chapter. We have the captain of the cross-country team, Wallace James, who also was one of five men chosen by the University to compete for the Rhodes scholarship. We also have Ackerman, the star center on the ever-victorious basket ball team last year, who is a strong candidate for All-Valley center this winter.

The president, vice-president, and two representatives on the Men's Student Council, and president of the Engineering School are Theta Taus. In the departments, we have the president of the Associated Engineering Societies, president of the electricals, president of the industrials, and minor offices in both the electrical and mechanical societies.

On the staff of the Kansas Engineer, the publication of the Engineering School, we have seven out of nine officers.

Zeta chapter achieved one thing this fall of which we are all very proud. This was the granting of a charter by the state, to the Zeta Theta Tau House Corporation. It was accomplished after numerous unsuccessful attempts, and marks the beginning of a real campaign towards a house of our own. Along with the work, we strive to have our fun, and a house party was held early in October.

Zeta is located at 1345 Vermont Street, and extends a hearty welcome to any and all brothers in our part of the country.

ROBERT Q. SHARPE.

*Lawrence, Kan.,
Nov. 24, 1923.*

Eta Chapter

Established	- - -	March 23, 1912
Total number of initiates	- -	185
Active members	- - - - -	15

AT this time, Eta chapter is principally interested in the approaching initiation and in the arrangement of an unusually good program for the year. Initiation is to be held early in January (as soon as the brothers have recovered from the effects of Christmas vacation).

Our former policy of initiating four sophomores with the regular junior delegation has been abandoned in favor of a plan for initiating earlier in the year than heretofore, so that by the time the seniors graduate there will be a large number of juniors competent to carry on the work. Names of prospective members have been submitted by the brothers, and on December sixth there is to be a rushing meeting for the prospects, at which time the final selection will be made. Our honorary members are to be present, and it is hoped that President Stratton will give us a short talk at this time.

Under the direction of Brother Cowan, the year's program is being rapidly rounded out. To date we have had several meetings at which addresses were given by members of the faculty or by prominent engineers. Among the most interesting were those by Mr. W. D. Baker and Prof. W. F. Jones. Mr. Baker, a graduate of the Colorado School of Mines, spoke of the unique problems encountered in his field of work, while Prof. Jones told of the relation of Geology to engineering in general, illustrating his point by several well-chosen examples.

In connection with these talks, it has been found most advantageous to suggest a definite subject when the invitation is sent to the speaker, and especially to select men who can present the topic in a general rather than a highly technical manner. After the first meeting of the year, the chapter adjourned to a business management session at which methods of standardization were presented by three authorities.

The plan of having one of the meetings each month in the form of a dinner, followed by informal talks, has met with general approval. During the winter, a formal dinner

is to be held for the alumni of Boston. There will be a good speaker on hand, and an especial effort will be made to get the active men in touch with the alumni.

Each senior member of the chapter is to present a paper this year. These will, for the most part, be based on thesis work, and should be of service in showing each member what students in other lines of engineering are doing. The method seems particularly well adapted to Eta chapter, where nearly all of the members are from different courses.

The prospects, as a whole, are exceptionally bright, and, with the stimulus of new ideas gained at the convention, we feel assured of a most prosperous year.

B. J. FLETCHER.

*Boston, Mass.,
Nov. 23, 1923.*



Eta Alumni

ALFRED E. BANNISTER, '15, lives at 3300 London Road, Duluth, Minn.

LELAND K. COWIE, '22, is a research fellow at the Northwest Experiment station, Bureau of Mines, University of Washington.

WILLIAM J. FARTHING, '16, works with The Texas Co., Key West, Florida.

ROBERT R. HARPER, '15, is at 1204 21st street, Des Moines, Iowa.

CHARLES R. HILL, '12, ex Gamma, mining engineer, is with J. B. Shearer, 25 Broadway, New York City.

FREDERICK HURLBUTT, '15, lives at 548 Potomac Ave., Brooklyn, N. Y.

JOHN B. INGLE, '16, has a position with the Orient Co., Ltd., Singapore, Straits Settlements, Asia.

FRANK S. KRUG, JR., '17, is now in Cincinnati, Ohio, living at 3208 Observatory Rd.

WALTER P. MUTHER, '13, has moved to 48 Glenville Ave., Allston, Mass.

OTTO E. NIELSON, '17, may be addressed at Svensk Hus, Helsingor, Denmark.

OTTOMAR O'DONNELL, '15, is at 77 State street, Boston.

ROBERT D. PATTERSON, '20, can be found at 68 State st., Albany, N. Y.

PERCY G. WHITMAN, '14, is employed by the U. S. Steel Products Co., Union Oil Bldg., Los Angeles, Calif.

Theta Chapter

Established - - - May 7, 1914

Number of pledges - - - - - 8

Active members - - - - - 12

WITH the coming of fall and the opening of school, Theta chapter looks forward to an unusually successful year. A very strong nucleus of last year's men is present, and already indications of a good rushing season are seen. In as much as Theta chapter is the only engineering fraternity on the campus, we are given great opportunities to choose only those men whom we want and who will help to maintain the high position now held by Theta Tau at Columbia.

As is usual, the fall found several of the old familiar faces missing. Alan Morris is now with the Bridgeport Brass Co., acting as an assistant metallurgist. Pope spent his summer underground and is now affiliated with a firm of consulting engineers in San Francisco. Joyce has not found any mining work as yet, and is spending his time at present selling spices in Philadelphia. Freas is now the treasurer and general manager of the Thermoelectric Instrument Co. in Newark, and is also spending his spare time with short business trips.

Although there is no chapter house here, a very satisfactory arrangement has been made whereby weekly luncheons are held at the Livingston Collegiate club, which is only a step from the University. It is here that the more trivial discussions of the chapter are held.

Since the last Gear, Theta has admitted to honorary membership Professor Ralph C. Mayer. Professor Mayer is secretary of the Engineering school, and we are glad to include him in our list of honorary members.

We have also initiated five new Brothers into Theta Tau. Moriera is in the third year of electrical engineering, and is prominent in activities. Harnett is a second year electrical, and has worn the Phi Beta Kappa key for some two years or more. Severinghaus is a nephew of Professor Severinghaus, and is in the second year of the mining geology course. His home is in Phoenix, Arizona, and the nearness of mining operations has served to whet his desire to get into the game. Merritt hails from Newburgh, and is entirely wrapped up in

the intricacies of mining. The past summer at Camp Columbia he was known to "swing a mean transit," in fact he went down to Pennsylvania after camp closed to do some more surveying work. Guinness of Yonkers is in second year mechanical work. We are fortunate in having "Bill" in our midst, and looking forward to the day when he will own the Hudson River day line. He has been purser upon the line for the past few summers and it is only a matter of time, we feel, before the system will be his.

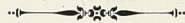
In the latter part of the spring, Theta was pleased to be visited by Brother Vice Regent Sidney J. Marine. Marine spent much of his time with the chapter, and his suggestions have been very gladly received. Also he showed us several things about the city, of which no one in the chapter was aware. No one can forget the farewell dinner last year at which he so graciously presided.

Theta Tau is well represented in the Engineering school this year. Steffens is chairman of the Engineering society and is also president of the Senior Engineering school. He is assisted by Pyle, who holds the office of secretary of the Engineering society, and by Moriera, who is secretary and treasurer of the Third year class. Brinckerhoff is the president of the Second year organization, while other members are included in the Honor committee, which decides upon infractions of the Honor System. Steffens heads this list, which also contains the names of Severinghaus and Devlin.

This year we are also very pleased to find brothers from out of town taking work at Columbia. Dunyon from Utah is in the Mining school, Peterson of Michigan is taking further work in Industrial Engineering because his E. M. does not satisfy him, and he feels that he would like to add to his string of degrees.

—DEVLIN.

*New York City,
December 10, 1923*



Theta Alumni

SYLVAIN S. ABOUCHAR, '17, is in Egypt. He should be addressed care of S. H. Sekaly, 13 Rue El Nimr, Cairo, Egypt.

TORREY H. WEBB, '17, may be reached by writing him care of Louis Webb, Montague, Siskiyou County, California.

FELIX E. WORMSER, '16, is Assistant Editor of the Engineering & Mining Journal, New York City.

Iota Chapter

Established	- -	February 5, 1916
Total number of initiates	- -	129
Active members	- - - -	24

WHEN school opened this fall, Iota counted fourteen men who had returned to take up the work of the chapter. Brothers Moodie, Campbell, and Atkinson took up the work of guiding the chapter's destinies as Regent, Vice-Regent, and Scribe, respectively, and shortly afterward ten men were pledged.

We take pleasure in introducing to the fraternity the following newly initiated brothers: D. R. Baker, T. H. Beck, P. L. Blake, W. F. Hauch, J. O. Hunt, Professor E. J. McKee, J. F. Pasley, G. R. Scott, C. A. Walls, and Joseph Worley. We are fortunate in having Prof. McKee with us, as he is one of the best-known men in the oil industry in this section of the country. Joe Worley also has taken up the task of trying to impart knowledge to some of the budding electrical engineers at this institution.

The subject of a permanent headquarters for the chapter has been considered, and we are pleased to state that Iota will soon have a chapter room which we may, at least in part, call our own. The new Bureau of Mines building on the campus, in which there is a fellowship room, has recently been opened. We hope to share this with the Tau Beta Pi's, Phi Kappa Phi's, and Sigma Gamma Epsilon's.

Sigma Gamma Epsilon is our "Only Rival", but as the number of men from which they pick is rather limited, we have had little difficulty in obtaining the men we want. Then too, our relations with them in a general way have been most pleasant. Recently they gave a smoker in honor of Theta Tau, and we will reciprocate early in 1924.

Iota is well represented in athletics and in all campus activities, and we think we have a group of men which any of the brothers will be glad to meet. All of you who chance to be in this part of the country will find a hearty welcome awaiting you when you stop in Rolla.

D. L. MOODIE.

*Rolla, Mo.,
Dec. 21, 1923.*



MEMBERS OF KAPPA

Top row (left to right) : J. R. WELFH, C. B. McCOWEN, W. W. SLEVAIN, G. B. TUTHILL, K. L. DYNES, K. P. BROWN, C. H. DODGE, S. R. ALBERT.

Middle row (left to right) : M. M. McCLELLAN, R. A. SEEPE, J. E. BERNAN, G. B. SHUTTS, G. W. SHERMAN, C. D. WHEELER, E. C. JOHNSON.

Bottom row (left to right) : C. O. BATES, H. E. HERTING, R. N. WOODS, E. E. KING, J. VAWTER, E. J. GOODHEART, R. B. SARGENT.

Kappa Chapter

Established - - - March 25, 1916

Total number of initiates - - 184

Active members - - - - - 25

KAPPA chapter started this fall with 24 active members, and on Thursday, October 18, held a smoker in order to meet prospects for pledges. There were about sixty present and we pledged eighteen.

On November 15, Kappa expects to hold an initiation at the Inman Hotel, to be followed by a dance. We had our pledging early this year because there are only fifteen hundred students to select from, and several professional fraternities are represented on the campus. We have considerable competition with Sigma Tau and Triangle, but our relations have been friendly.

Theta Tau is well represented at Illinois in campus activities. Two of our members are on the football team, which has been undefeated this year, and indications are that they will not be beaten in the two remaining games. Seven belong to Tau Beta Pi, and Dynes is student colonel of the R. O. T. C. brigade of 3500 students.

The chapter is profiting from talks given members of Theta Tau on their experiences. So far these talks have been voluntary.

The following men have been pledged: E. C. Hartmann, '24, TBP; C. S. Strike, '24; H. U. Arning, '24, TBP; J. Winkler, '24; G. W. Robinson, '24, TBP; O. J. Towell, '25; C. E. Oliver, '25; M. N. Iuade, '25; C. A. Borgenson, '25; W. K. Pierce, '25; A. C. Rehm, '25; H. E. Butters, '25; R. C. Ballard, '25; R. E. Peterson, '25, TBP; R. J. Stockham, '25; J. M. Tissol, '25; H. E. Holmes, '25; O. F. Burnett, '25.

In closing, Kappa chapter sends her heartiest greetings to all Theta Taus, and welcome any who may be passing through Champaign.

S. R. ALBERT.

*Champaign, Ill.,
Nov. 12, 1923.*



MEMBERS OF LAMB DA

W. J. COPE

K. G. LEE
S. L. KERR
W. SHELLEY
V. BELL

H. J. KJAER
N. SMITH
M. R. WEILER
B. JENNINGS

W. FARNSWORTH
H. GARRITY
E. BARKER
J. GTEY

J. LITTLEFIELD
I. ANDERSON
G. B. MCLEESE
M. B. MCCULLOUGH

Lambda Chapter

Established	- - - -	May 1, 1920
Total number of initiates	- -	139
Active members	- - - -	28

DURING the past year, Lambda has experienced perhaps the best period in its history. Handicapped as it was without a house or chapter room, it pushed ahead and accomplished the things that made it unquestionably the most active and powerful professional fraternity at the University.

At the University of Utah, Theta Tau has no trouble in getting the best men in the Engineering school. During the past year, the members were unusually active in all school activities, boasting representatives in most activities from a Phi Kappa Phi to a five-letter athlete. Some of the honors held by the active members last year were: one Phi Kappa Phi; president, vice-president and secretary-treasurer of the Utah engineers (society of all students in the School of Mines and Engineering); one man on Bee Hive Club (seven graduating seniors most active in all lines during their four years); president of junior class; president of sophomore class; president, university chapter A. A. E.; president university chapter A. S. M. E.; dean of vocational board; major R. O. T. C. unit; editor-in-chief of school annual; editor of the school weekly (resigned at mid-year on account of studies); chairman and 4 men on St. Patrick's day general committee; chairman and 1 man on "U" day committee; editor-in-chief of school humor magazine (quarterly); chairman of Junior Prom committee; captain and 1 letter man in football; 2 letter men in track; 1 letter man in basketball; 1 letter man in tennis; (no baseball last year) captain of next year's baseball team; 7 members in Presidents' club; 3 members of Owl and Key (senior honorary) 2 members of Skull and Bones (junior honorary); 1 member Arrow club (sophomore honorary); vice-president of Men's league; 3 members on School Vigilance committee; 1 member Students court; and other honors in various organizations.

Not only have we just finished a successful year, but the prospects for the coming year look bright and encouraging. There is a great number of men who will make good men

for Theta Tau, so rushing prospects are bright, affording another year wherein to show the ability of the various members as leaders in school activities. One of our members, Ellis Barker, has been elected to the high office of Student Body president. We should have four letter men in football, two in basketball, four in track, two in tennis, three in baseball, presidents and other officers of organizations and leaders in all school activities.

We are making arrangements for a chapter room for this fall, and when the first roll is called we will be in our new "home". The new chapter room should be the mecca of a great many interesting and educational gatherings, as we have already arranged to have one night a month with the alumni. Also, we are planning to systemetize the duties of each officer with the constitution and by-laws as our guide.

During the summer, a successful campaign was carried on to get alumni members interested again in the activities of the active chapter. Letters were sent to each one containing a card for them to fill out and return with their address and information regarding their work, their social and political activities etc. Very few failed to send in the card, so we are now the proud possessors of a complete index of members. Many of the alumni sent letters along with the card telling how pleased they were with the possibility of getting in closer touch with the actives.

Lambda chapter is sponsoring a movement to get an employment bureau for engineers established at the university. There is a great need for this, as the young engineer is obliged to take anything he can get rather than something in the particular line he has studied for. We are going to work hard this year to get this bureau started.

Also, through the efforts of members of the chapter, there has been a new and splendid course added to the curriculum of the university. It is a course in "preparing to face the world after graduation", and it will be given weekly. One hour has been set aside for a lecture by some prominent engineer (preferably a Theta Tau), and it is the plan to have every engineering student registered for the hour. The various engineering organizations are to take turns in arranging the program for each week.

We now have two friendly rivals on the Campus. Sigma

Gamma Epsilon is perhaps our real rival at the present time, but we are pleased to state that nothing but the most friendly feeling exists between us. Alpha Sigma, a local chemistry fraternity, was organized at the university last year and already has shown itself to be a keen competitor.

The officers for this year are working zealously for the good of the fraternity and have already won the confidence of the members by their efforts to further the interests of Theta Tau.

Lambda extends a hearty good wish for success to every chapter and to each member.

M. B. McCULLOUGH.

*Salt Lake City, U.,
Oct. 16, 1923.*



Lambda Alumni

JOHN S. ADAMS, '22, lives at Eureka, Utah. He is a Phi Delta Theta.

HOWARD L. BALDWIN, Hon., a Beta Theta Pi, is Associate Professor of Civil Engineering at the University of Utah, Salt Lake City.

CHARLES D. BARNES, '20, has the position of Assistant Chemist of the Utah Oil Refining Co., Salt Lake City. He is a Pi Kappa Alpha.

HIRAM W. CLARK, '17, is chief smoke inspector of Salt Lake City, Utah, and lives at 445 11th East St.

REES W. DAVIS, '19, is Assistant Superintendent of the Utah Power & Light Co., and resides at Grace, Idaho.

SHIRLEY L. GOLDSBROUGH, '21, may be reached at 1114 Center street, Wilkensburg, Pa. His home is 154 D St., Salt Lake City.

RALPH GRAY, '21, has located in the British Isles, and lives at 13 Carberry Route, Cardegon Road, Leeds, England.

MILES HALES, '20, works in the Testing Dept. of the General Electric Co., at Schenectady, New York.

RICHARD R. LYMAN, Hon., Prof. of Civil Engineering at the University of Utah, gave the principal address before the International Farm Congress held at Kansas City, Mo., in October. His subject was "Irrigation of Arid Lands in the West," on the engineering phases of which Lyman is an authority.

WILLIAM T. MAYER, '22, is shift boss with the Catlin Shale Products Co., Elko, Nevada.

THOMAS J. PARMLEY, '21, is at the University of Utah, in the School of Mines & Engineering. His home is 836 Harrison Ave., Salt Lake City.

Nu Chapter

Established - - - January 1, 1922

Total number of initiates - - 70

Active members - - - - - 20

NU chapter started the year with its ranks depleted by the graduation of 21 men, and plans are now being made for holding a smoker to which possible candidates are to be invited. The chapter expects to initiate about 10 men sometime during December.

The beginning of the year again saw members of the chapter taking a vital interest in both the chapter and campus activities. The evening of October 27, the active members held a buffet lunch for the alumni at the Hotel Schenley to arouse an interest in the formation of a Pittsburgh alumni chapter, and to elect delegate to the convention. Anderson, who is with the United States Bureau of Mines, was elected as alumni representative.

The chapter is well represented in campus activities, there being four members of Nu chapter on the student council, two on the Science senate, one being president of the senior class, and others in various activities, including football and basketball. Members who left us at the close of last year are active in various branches of engineering.

A partial list of alumni and the work in which they are engaged is given below:

Cooley, G. R.—U. S. Bureau of Mines.

Daschbaugh, J. M.—Analytical Chemist, British Guiana, S. A.

Duncan, S. J.—Concrete Construction, Bates, Rogers Co., Chicago, Ill.

Griffin, H. L.—Safety First Work, Buckeye Coal Co., Nemacolin, Pa.

Regent T. N. Griggs was elected at the last meeting as the chapter's delegate to the convention in Iowa City.

Nu wishes all Theta Taus success in their endeavors, and extends a cordial welcome to any brothers who may at any time be in the Pittsburgh district.

KARL T. DAVIS.

*Pittsburgh, Pa.,
Nov. 6, 1923.*

Xi Chapter

Established	- -	January 13, 1923
Total number of initiates	- -	20
Active members	- - - - -	12

XI chapter at present is well along in its work for the current school year. Because of our very recent advent on the campus at Wisconsin, we are confronted with the problem of gaining recognition. But with a well-planned program for the year we hope to soon gain this end.

Besides taking care of the usual rush work, all of our actives are engaged in outside activities. We are represented in the various professional societies, on the staff of the Wisconsin Engineer, in track and tennis, on the gym team, in basketball, swimming, and football. Bentson took "Erv" Gerber's place at right tackle on the varsity, after the latter had been declared ineligible, and he has just received a "W".

Among our pledges, we have three men on the varsity track team, one on the varsity gym team, and one on the varsity tank squad. Two of the pledges are sophomores class officers. Because of the variety of activities in which our actives and pledges are engaged, we feel the Theta Tau will become well-known about the school. When we are once established firmly, the fact that Theta Tau represents something distinctive in engineering and geology will be recognized.

A feature which will be something new in chapter meetings here has just been planned. In order to stimulate greater interest in our meetings, and to develop personal confidence, every member will be required to give a short talk at least once each year. This may be on some experience of an engineering or general nature, which he has had during a summer vacation or on absence from school. As a result of this plan, we hope to make the professional character of our chapter a little more pronounced.

We extend to all of the chapters our best wishes for a successfull year.

C. G. KOSKINAN.

*Madison, Wis.,
Dec. 8, 1923.*

Omicron Chapter

Established	- -	February 3, 1923
Total number of initiates	- -	49
Active members	- - - -	26

SINCE the last publication of the Gear, Omicron has initiated seven men who were pledged the latter part of last year, and four old members of Theta Sigma Delta, the former local fraternity, who are returning to school this year. We have only three pledges now, but have several good men in view.

Prompted by the rather keen competition the four other engineering fraternities give us, we have appointed a rushing committee which goes over all the men enrolled in the college and selects such men for the chapter's consideration as seem to come up to Theta Tau standards. At every meeting the committee makes a report on several men. It seems to be a good way to get in touch with men of the right sort with whom members are not acquainted.

To promote sociability among the members, we give an occasional party, and require that all members dine at the chapter house on meeting nights. They are glad to have a "confab" once a week before and after meetings.

The chapter has been prominent in athletics and in other forms of college activities this fall. Fisher has made us proud of him by his good work on the football team. Ashton and Nielsen represent us on the swimming team, Ashton holding the university record for the back stroke. Phelps is about the best two-miler and cross-country runner in the University.

We were well pleased with elections in the class and in other organizations associated with the college. All junior officers are Theta Taus, as is the president of the senior class. Weir and Fisher are the controlling officers of the Associated Students of Applied Science. Transit, the monthly publication of the college, has on its staff Weir, editor-in-chief, and Holbrook, Wolters, Crawford and De Klotz as business executives and contributing editors. We are also well represented in the committees directing Mecca week, an annual, traditional celebration of the college which takes place in the spring.

In addition to the above activities, Holbrook and Weir have attained what is generally considered the highest honor possible to a student by being elected to A. F. I., honorary senior men's organization, to which twelve of the most prominent men on the campus are elected at the end of their junior year. Holbrook is a past active member, while Weir is active at the present time. Weir is also a member of Sigma Delta Chi, professional journalistic fraternity and was recently appointed as one of the five members of the Daily Iowan board of trustees.

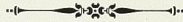
This year a fraternity council for engineering fraternities has been organized, promoted by Omicron chapter. The council makes possible mutual agreements in regard to pledging men, engineering fraternity tournaments of various kinds, and other things of like nature.

We are just in receipt of the news that it has been definitely decided to hold the national convention at Iowa City during the holidays. The honor is very much appreciated, and its value to us cannot be overestimated.

Omicron extends best wishes to the other chapters, welcoming any of the brothers who might happen to stray to the neighborhood "where the tall corn grows".

LOUIS M. WOLTERS.

*Iowa City, Ia.,
Nov. 22, 1923.*



Omicron Alumni

LOUIS E. BAGGS, '22, lives at 1652 West 16th St., Des Moines, Iowa. A civil, he is employed by the United Light and Railways Co. Brother Baggs is a Tau Beta Pi and a Sigma Xi.

RAYMOND B. KITTREDGE, '06 Hon., a member of Phi Kappa Phi and Sigma Kappa Epsilon, may be addressed at 630 So. Governor St., Iowa City. He is Associate Professor of Railway Engineering at the University of Iowa.

EDMUND G. RICH, '22, is a structural engineer, and resides at 1720 McCadden Place, Los Angeles, California. He is a Tau Beta Pi and a Delta Chi.

Pi Chapter

Established - - - May 26, 1923

Total number of initiates - - 29

Active members - - - - 19

WE, who are sending you a few words of greeting on behalf of Pi chapter, have never yet seen a GEAR, so without the means of following a customary form, we are afraid our letter will be hopelessly original. But perhaps this is in keeping with our youthful rank among the chapters of Theta Tau.

Pi was installed late last May. The choice of this time was most unfortunate for us, since we were right on the verge of our final examinations. However, with the advent of Brothers Anderson, Gieb, and Coe into town, our apprehensions were quickly obliterated, for on the following afternoon the Epsilon Society, of which we were so proud, was speedily and expertly converted into Pi chapter of Theta Tau. The initiation rites were succeeded by a formal banquet on the same evening, with the entire engineering faculty present as our guests.

With these formalities completed, all of us breathed fervently and thankfully, "At last!" The installation ceremony inspired us with awe and reverence. Surely, we of Pi say, could no man be guided by these wonderful ideals and fail to become the finest of his race? With such bonds about her, Pi is proud and happy to stand among her sister chapters of Theta Tau.

Upon returning to school this fall, we ran headlong into a raft of difficulties. Of our twenty original, charter members, but twelve returned to the University, and among the missing was one of our new officers for the coming year.

In spite of these obstacles, Pi chapter has successfully come through on several important, local issues. The first was our annual entertainment to the entire engineering department. We served refreshments, and acted as chair to the speakers from all of the engineering societies who appeal to the new students for support. This form of get-together for the engineering department here at the University is made possible solely by the initiative of Pi chapter. It is one way in which we can actually aid our department and

give the freshmen an insight of their future relations as engineers in the school. The attendance this year at our party was nearly one hundred percent. Another important event for us this fall, was the pledging and initiation of six new members.

In closing our first letter to THE GEAR, Pi has been initiated into a new and pleasant duty. We hope that we may always be in a position to write proudly of our achievements. As soon as the newness has worn off and we become old timers in the completion of our national obligations, we will try to make our sister chapters sit up and take notice. Pi chapter hopes that the winter vacation will be a merry one for all of you, and that the convention will be the most successful one to date. With these words, we say goodby for a short time.

T. B. KIENER, R. G. PITZ.

*University, Va.,
December 24, 1923.*



Theta Tau at Virginia

THE UPSILON SOCIETY at the University was recently granted a chapter by the Theta Tau national engineering fraternity. Installation of the Pi chapter took place on Saturday, May 26th. The ceremonies were conducted by R. J. Anderson of the United States Bureau of Mines, together with G. A. Geib, W. M. Lewis, H. E. Coe and D. M. Giltinan, who are Theta Tau alumni from Washington and vicinity. The installation was followed by a banquet at the Dolly Madison Inn, at which the engineering faculty were guests. This is the second chapter of this fraternity to be established south of the Mason and Dixon line, a chapter having been granted to the University of Alabama last year.

Theta Tau was founded at the University of Minnesota in 1904, and has chapters in practically all of the larger universities of the East and West. The granting of a charter to the Epsilon Society is a signal honor, and a recognition not only of the standard and character of the society, but also a tribute to the high quality of the work done by the Engineering department and the University at large.—*University of Virginia Journal of Engineering, June, 1923.*

JAMES A. BARR

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