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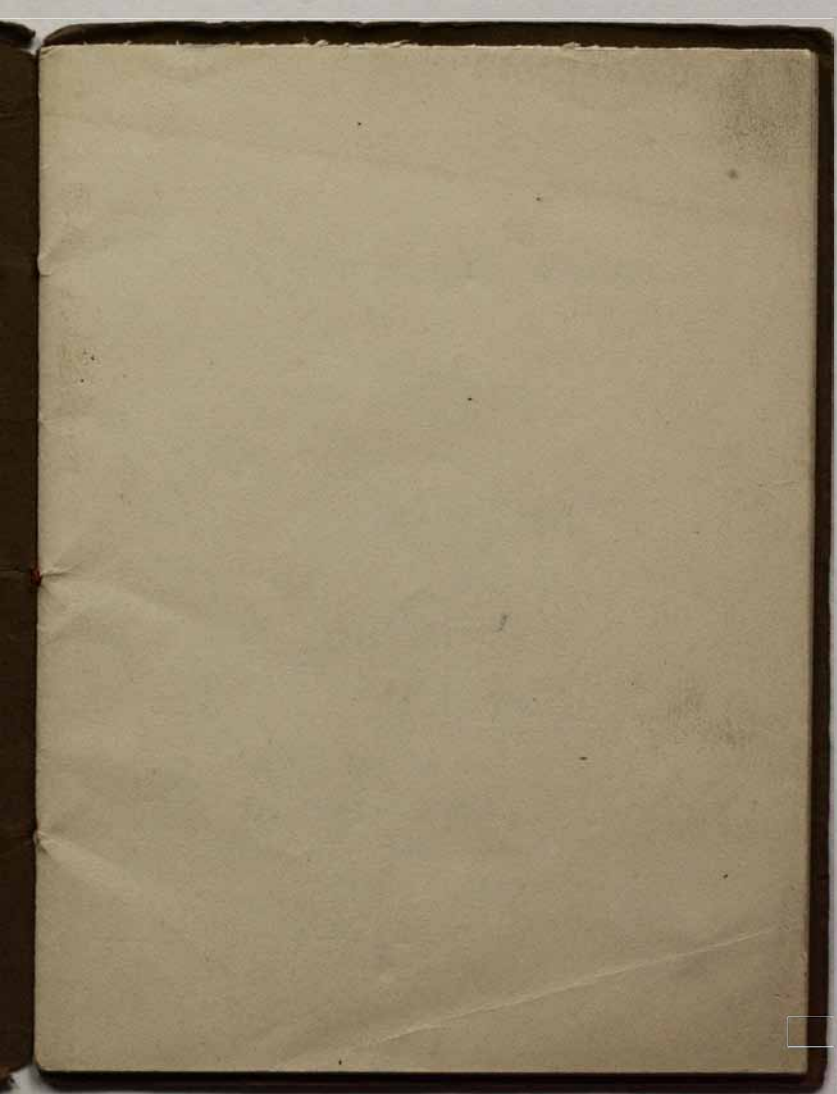
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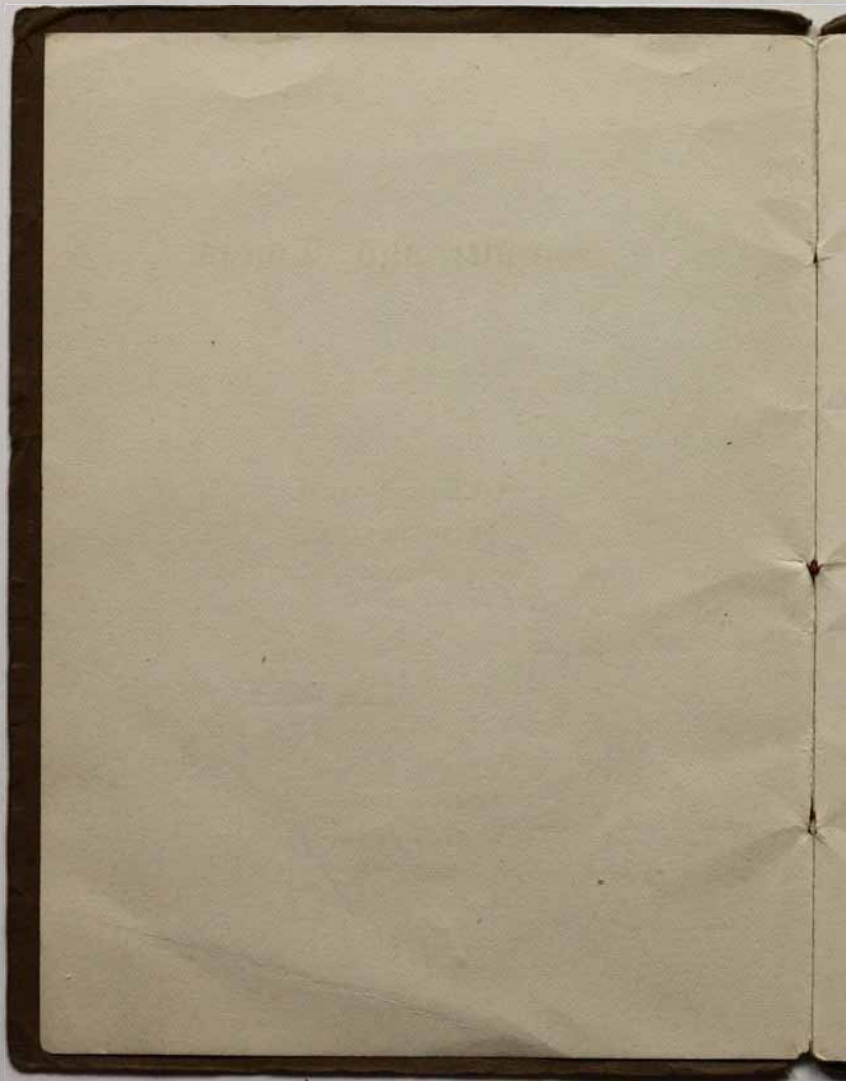
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Hammer  
and  
Tongs

1908

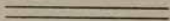




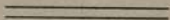


1908

# Hammer and Tongs



A Chronicle of the  
Fraternity in  
General



*Published under the direction of the*

**Beta Chapter**

HOUGHTON MICHIGAN

1908

1875

1876

1877

Founders *of the* Fraternity

*of*

**Hammer and Tongs**

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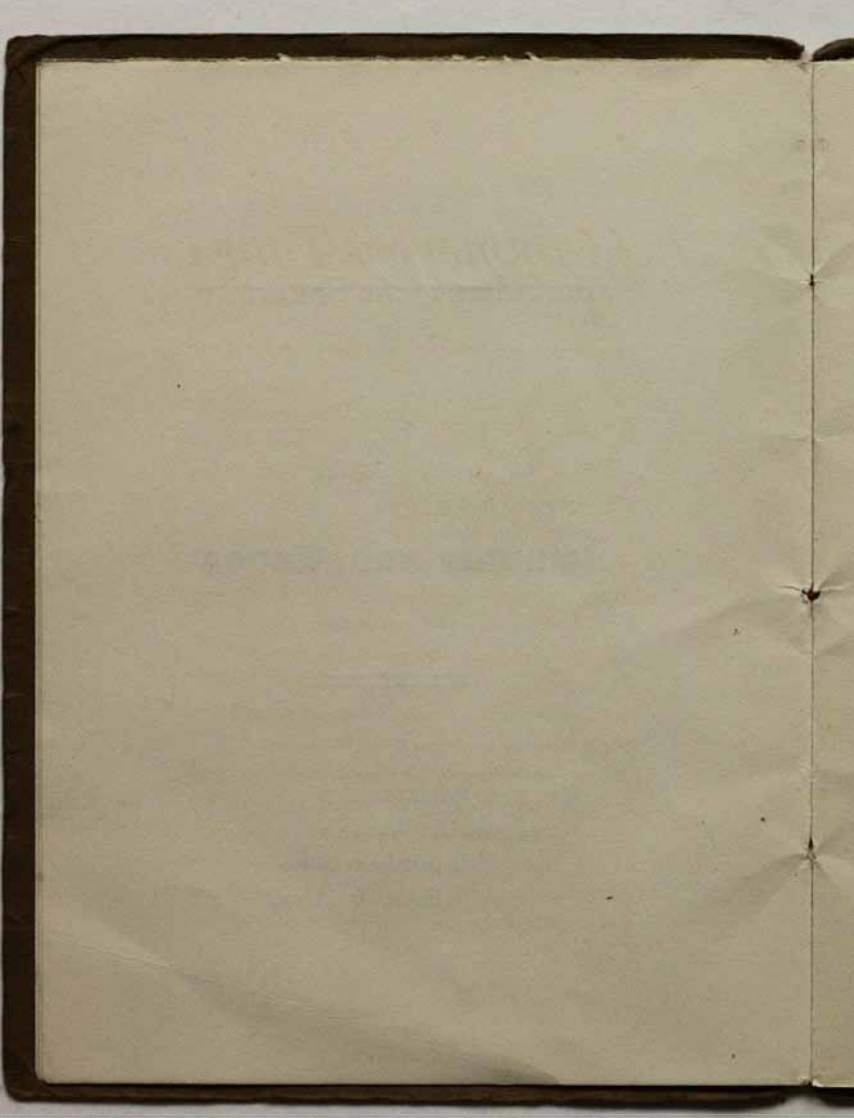
ERICK J. SCHRADER

EDWIN L. VINAL

W. MURRAY LEWIS

ISAAC B. HANKS





# *Hammer and Tongs*

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NUMBER 1

1908

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IN ISSUING this annual, for such we hope to make it, we are accomplishing an object which we long had in view.

Whether or not this effort succeeds in accomplishing its mission we are indebted to the Alpha and Gamma Chapters, and particularly their scribes for the assistance which they have so cheerfully and promptly given.

The conditions which make desirable the publication of such a record is excellent evidence of the healthy growth of our fraternity.

We are including in this issue a directory of the fraternity in general, which we have endeavored to make as complete and up-to-date as possible. At best, however, this directory will soon become inaccurate. We are therefore establishing a card index system at

Houghton, and hope with your assistance to keep it strictly up-to-date. The benefits resulting will, we feel sure, greatly outweigh the slight trouble connected therewith, if each brother (and this means you) will make it his first duty upon change of location or position to notify us of such change. This means so little trouble! Can we not rely upon you to do your share?

\* \* \*

### *THE GAMMA CHAPTER*

**I**N putting this, our first bulletin, in the hands of our brothers, we take this opportunity to include a letter of greeting to our new Gamma Chapter from Alpha and Beta of HAMMER & TONGS.

The advent of a new chapter in our fraternity is an event of importance and it is with great pleasure that we call the attention of our alumni to this recent addition.

To the brothers at Golden, one and all, we wish to extend our hand with the sincerest

good wishes of all. You are in a new field, a locality where the H. & T. badge is unknown.

We wish to assure you of our hearty support in starting this new chapter. We feel that in the acquisition of our new Western representative we are approaching a new era for our fraternity—one which will make HAMMER & TONGS a by-word throughout the engineering profession of the world.

The field of our usefulness is broad. Let us develop that intimacy and co-operation which lead to a frequent interchange of ideas and the building up of strong, earnest workers. Let us feel free to call on our brothers in other chapters for co-operation.

We shall watch your growth with interest, and are confident that we shall see the Gamma Chapter a strong factor in the fraternity of HAMMER & TONGS.

## THE ALPHA CHAPTER

DEAR BROTHERS:—

**I**N this, the first general Fraternity chapter letter, Alpha wishes to congratulate Beta upon the fine spirit which they have displayed in undertaking such a work. We are heartily in favor of the scheme and will certainly be glad to do all in our power to help it along.

Alpha has started the year with fine prospects and things never looked better for a most prosperous season in HAMMER & TONGS. For the benefit of our alumni who are not in as close touch with us as we would like to have them, the following is a list of the members of the active chapter:

BRO. KENNEDY, '08, Mining; BRO. STRONG, '08, Mining; BRO. WOODRICH, '08, C. E.; BRO. KNOWLTON, '08, C. E.; BRO. FURBER, '08, C. E.; BRO. CHANDLER, '09, E. E.; BRO. WARREN, '09, M. E.; BRO. BUCK, '09, M. E.; BRO. JAQUES, '09, C. E.; BRO. SHEPARD, '09, C. E.; BRO. TORRANCE, '09, C. E.; BRO.

PALMER, '10, M. E.; BRO. HAYNES has changed his course from Mining to Academic and the not active—strictly speaking—is still one of us.

A short time before the Thanksgiving holidays we had a rushing party in the form of a dinner at Crombies and succeeded in pledging five fine men. Very soon after this we had another party of similar character at the Beta Theta Pi house where we were entertained most royally. There were a number of fine candidates out and everybody seemed to have a good time. During the evening refreshments were served in the dining room, after which the party broke up. We are very glad to report that we now have eleven good men pledged and expect to hold our initiation on the evening of December 19.

In closing Alpha wishes her sister chapters a most successful and enjoyable year.

FRED W. BUCK,  
Scribe of Alpha.

Minneapolis, Minn.

### *Alumni Notes*

**B**RO. SCHRADER, '06, is in the mining business at Cumpas, Sonora, Mexico.

BRO. BATSON, C. E., '07, is working for the Water Works Dept. in St. Paul.

BRO. SPRING, M. E., '07, is with the Corbin Lock Co. at New Britain, Conn.

BRO. ELLIS, C. E., ex-'08, is in the city with the Milwaukee Railway.

BRO. GRYGLA, M. E., ex-'09, is at Moapa, Nev.

BRO. COWIN is attending the university of California taking a P. G. course.

BRO. HANKS is in the Milling business for himself here in the city.

\* \* \*

### *THE BETA CHAPTER*

DEAR BROTHERS:

**I**F any of our graduated Beta men could pay us a visit, they would note with pleasure the strides in many ways taken by the chapter in the past year.

The Beta Chapter, ever since its birth as the Rhombohedron Club, has insisted on a cozy home and is surely sticking to that policy. As all the brothers know we have a house, and a special feature of it is the Club rooms. This past summer saw active operations on redecorating these rooms, and if they were a "dream" before, they might now be aptly termed a "vision of loveliness." The rooms have been entirely renovated and the wood work stained dark to match the mission furniture. The front room is papered in green with a light landscape frieze. The piano majestically adorns one corner there, and the large lounging chairs, the pictures, rugs and music cabinet lend a strikingly pleasing effect. In the back club room, heavy green corduroy cushions are in place on the window seat, surmounted by an abundance of new pillows. A new Flemish Oak plate rail has been added, which makes, with the steins and mugs a typical college den. The walls below the



plate rail are papered in green burlap and above is a decorated frieze, making a pleasing back ground for the suits, sword and various framed pictures of our fraternity groups. Below the plate rail are the banners, hung with effective arrangement. The mission table is conspicuous, and on it sits a new bronze electrolite—the gift of one of our brothers. The latest copies of the mining and fiction magazines are there, together with the requisite cards and cribbage board. A nucleus for a mineral collection has been promised and we hope such a collection will materialize soon.

In exterior appearance the place has been improved. The fence has been removed and the lawn cleared and raked. Seats at the porch ends give ample room for the fellows on a summer's day or evening.

And the crowd—well the simplest way to tell of the bunch is a chronicle of events. Since the last bulletin, BROTHERS KUMKA, GRABAN, KIRKPATRICK, PICKARD, MARSHALL, TUBERTY, PERKINS, ALBIP and POTTER have

gone out to uphold the banner of HANCOCK & TOWN amongst the mining men of the world. BRO. RANDOLPH left for the summer with his "E. M." carefully tucked away in his jeans; but, to our delight, returned in the fall, so infused, in the verdant "Fresh," a working knowledge of "tetragonal tetartars." "RANDY," with "JIMMY" BARR, who now instructs in Assaying, constitute our representation in the faculty.

The men mentioned as pledges, in the last letter, were taken in, in the fall ('06) and proceeded to lend their aid to the cause. Throughout the winter the bunch worked hard at the M. C. M., and spring found them well up in the ranks.

In March the Second Annual Banquet was held at the Scott Hotel in Hancock, and, to those who were present, this recollection will bring a smile. Toastmaster Meuche was in charge and numerous toasts were responded to by the brethren. After several hours of rollicking fun, they moved to adjourn and all came home together. We are to have another

—the Third Annual—this spring and the chapter would urge all who can possibly attend, to make the effort. This applies, not only to the alumni of this chapter but to the alumni of all chapters. Let this take the form of a reunion! Ten of the alumni were present for the last banquet—let's make place cards for twenty-five alumni this time!

During the spring and summer, BRO. BROWN, TREMBATH, LONGAN (an old "Rhom") and SHEDWICK were initiated. At the M. C. M. graduation in the spring, we were sorry to lose so many of our strongest workers. On the Iron Country trip, eleven H. & T. men reported at the "dry" and helped each other "jiggle in." During this time, BRO. MARSHALL was promoted to be Instructor in Assaying.

At the beginning of the summer term, the bunch settled down to the Shop and Surveying courses, and a full enjoyment of the balmy Portage Lake weather. A goodly delegation of H. & T. men were present at the Annual Prom. at the College, and also attended the

numerous dances during the summer at Calumet, M. C. M. and the Amphidrome—not to mention the picnics and boat-rides.

During September, most of the brothers forsook Houghton for their native towns—those remaining, taking active charge of the renovations mentioned previously. October found them all back, together with a few who had been out temporarily. This lent an even stronger, more concentrated effort, to get HAMMER & TONGS well started on its way for the ensuing year.

Numerous honors have been accorded our brothers. BRO. BROWN was elected manager of the Glee Club and BRO. PEACOCK as Second Vice-President of the Students' Organization. In addition, BROS. WANVIG, EARLING and ALSIP have been honored by membership in the Tau Beta Pi Fraternity.

We have had several very enjoyable smokers in our rooms during the Fall term and Holiday vacation. These smokers are a permanent feature of our social life, and we hope soon to enlarge them to include the discussion

of things of interest to mining men, by men of note.

On November 23, we held our Fall initiation of pledge men, at which BROS. CAMERON, RIGGS and WENK were put through the mystic rites. At the completion of the initiation the assembly adjourned to the Scott Hotel where an initiation banquet was held, presided over by BRO. HOPKINS. Several toasts were responded to, which, with many impromptus, gave every one a bully good time.

At an early (?) hour, we all came home and settled down to the even tenor of our ways.

The HAMMER & TONGS bunch have been active participants in the social doings at the college, in addition to the athletic events. At the M. C. M. smoker on Jan. 25, the H. & T. basket-ball team met and defeated the team from Roberts.

Such is the chronicle of some of the happenings of the past year. Between the lines, our absent brothers can read and picture for themselves, the fun and goodfellowship that runs amuck among a happy, contented and

hard working set of fellows. As to our daily life, one can well imagine that, too. It would be an endless task to attempt a repetition of the merry quibs, jests and sparkling repartee that is tossed about. Inside the iron fence, we endeavor to help each other at our work, and outside, at our play. Dinner and supper reveals a group of merry faces. After supper, we sit around and smoke for a while, listening to an obligato from BRO. STAPLES, a song from the bunch or a selection from our Padewiskis (KOONTZ, WAGNER and WENK). Then away to the desk and eventually the feathered nest till a new day comes. On Sundays we invite a few guests for dinner and spend a sociable afternoon in music and song.

At the meetings, BRO. HOPKINS wields the the gavel and BRO. CARROLL calls the roll for twenty-four men. BRO. PEACOCK superintends the financial affairs and BRO. STAPLES the correspondence. A card index has been prepared and is in the secretary's hands. It contains the names and latest information

concerning every man in the HAMMER & TONGS. The brothers will realize the mutual necessity and convenience of this, and are urged to make use of this whenever it is needed. A letter to the house (181 Ruby Street) will bring all the information desired. To keep this card system accurate and up-to-date, let us strongly urge every man to help us by sending news of himself at frequent intervals. Come on! Let us know how you are getting along, and what you are doing—we are interested in you and your work. Send us your suggestions as to what you would like to see and how to do this or that! Help us to make this the foremost Fraternity in the Engineering World! Your brothers in Beta extend heartiest interest and best wishes for your success.

H. H. HOPKINS, JR.

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### *Beta Alumni*

To our alumni we might call attention to a few changes that have been made in and

around our Alma Mater. Of course it is a development or the changes would never have been made.

The College has acquired possession of the Hubbell property and the house has been removed. A seventy-five thousand building, to be known as the Library, is to be built this summer on the place. This will house the Executive offices, library and mineralogical collection (which is one of the most complete and valuable in the country).

The "Gym." has been furnished completely and makes a fine clubhouse.

A new light, heat and power plant is being built on the stamp sand below the college.

"Faculty Row" as Hubbell Ave. is now known, has been slowly creeping up the hill. East Houghton was connected with the civilized world in the Fall of 1906 by the advent of the street cars and the gray uniform of Uncle Sam's postman. No more the after-supper constitutionals to town for the mail!

The "Amphidrink" draws a throng—in the summer for roller skating and in winter for ice skating and dancing.



The Douglas House Buffet has been entirely renovated and redecored, and has been the scene of many a pleasant escapade.

In regard to the old men themselves we might add a few notes.

BRO. BENSON, '01, was in town last Spring for the M. C. M. banquet. We are looking for more frequent visits, TONY.

BRO. KRATZ is in South Africa working for De Beers. So are we, but it costs us money.

BROS. DOWNING, '06 and BARTLETT have "gone and done it." We got word from BOB but BARTLETT didn't let us know about it. Well, here's congratulations to you both!

BROS. MEUCHE and PHILLIPS are in the Copper Country. "MUSH" is in Houghton and "BOB" at Ojibway.

BRO. POTTER came down from the frozen North to take a half-year's work at M. C. M., and was initiated into the active chapter later. He's gone back. (Couldn't stand the heat).

BRO. ALSIP is with "HAZY" in Canada.

BROS. KUMKE and PICKARD are sizzling in the torrid climate of Arizona. Here's regards to you both!

\* \* \*

### *THE GAMMA CHAPTER*

DEAR BROTHERS:—

**A**S a new chapter it is perhaps fitting that we give a brief outline of our history.

During the school year of 1906, BRO. W. M. LEWIS, formerly of Minnesota Alpha, in cooperation with C. M. HURLBURT, laid plans for the organization of a local society whose purpose should be to petition for a charter from HAMMER & TONGS Fraternity. As a result eleven men assembled and formed the "Square Set Club" of the C. S. M.

Its members and subsequent petitioners were: F. F. FRICK, J. B. LOWELL, W. V. DE CAMP, L. P. CLAPP, L. P. CURTIS, D. A. WHITE and MORRISON HARRIS of 1908; C. M. HURLBURT and PAUL NEER, '09; and A. M. RUPERT, '10.

The petition was submitted at the close of school in May and reported upon favorably early last Fall.

We were unfortunate in losing for the year: WHITE, CURTIS, HURLBURT, RUPERT and HARRIS, but we expect to initiate these men next year.

At present we have our chapter roomed in a house rented by two of the fraternity, and find them very satisfactory for our present needs.

On November 8th, 1907, the Gamma Chapter of HAMMER & TONGS began its active life. The remaining five members of the "Square Set Club" stood up for initiation and with the help of BRO. LEWIS, as installing officer, they were all duly initiated as members of the fraternity.

The initiation was followed by the first regular meeting which was called to order by BRO. LEWIS as Regent pro tem. The election of officers was the first business considered and BRO. FRICK was elected Regent, BRO. LOWELL, Scribe and BRO. CLAPP, Corr. Secretary.

The remainder of the meeting was taken up by discussion of new members and as to the best plans on which to base the formation of a strong and active chapter.

After adjournment a lunch was served, and the remainder of the evening given to social enjoyment, and the Gamma Chapter was well started toward a successful future.

The following men were initiated as charter members:

PAUL NEER, Golden, Colo.

F. F. FRICK, Peru, Ind.

J. B. LOWELL, Worcester, Mass.

W. V. DE CAMP, Denver, Colo.

L. P. CLAPP, Melbourne, Australia

The Gamma Chapter present their respects to those of Minnesota and Michigan, and hope in the near future to have the pleasure of meeting the brothers of those chapters.

J. B. LOWELL,  
Scribe.

\* \* \*

## *THE ALPHA CHAPTER*

UNIVERSITY OF MINNESOTA

JOHN J. KENNEDY, '08, St. Paul, Minn.

MALCOLM D. CHANDLER, '09, Minneapolis.  
JOHN LAWRENCE STRONG, '08, St. Paul.  
FREDERICK W. BUCK, '09, Duluth, Minn.  
HERBERT H. KNOWLTON, '08,  
Minneapolis, Minn.  
PIERCE P. FURBER, '08, Minneapolis, Minn.  
PORTEUS B. PALMER, '10, St. Paul, Minn.  
ROBERT JAQUES, '09, Duluth, Minn.  
ALVAH H. WARREN, JR., '09, St. Paul, Minn.  
GEORGE M. SHEPARD, '09, Kenyon, Minn.  
ELIAKIM TORRANCE, '09, Minneapolis, Minn.  
OSCAR F. WODRICH, '08, Dubuque, Ia.  
HOWARD M. STARRETT, Minneapolis, Minn.  
LYNN ROOD, St. Paul, Minn.  
BENJAMIN B. WALLING, Chicago, Ill.  
GEORGE A. KRUSCHKE, Duluth, Minn.  
MILO P. FOX, Mankato, Minn.  
ROBERT MINER, '10, Minneapolis, Minn.  
ALVAH E. BROCKWAY, '10, Luverne, Minn.  
ROLLO COBBAN, '10, Luverne, Minn.  
CLARENCE W. MOWERY, '09,  
Northfield, Minn.

## *THE BETA CHAPTER*

### MICHIGAN COLLEGE OF MINES

- GEORGE A. ANDERSON, '06, Detroit, Mich.  
ROY B. EARLING, '08, Minneapolis, Minn.  
C. BAYARD STAPLES, '08, Houghton, Mich.  
JAMES E. THOMS, '08, Three Rivers, Mich.  
JOHN D. WANVIG, JR., '08, Milwaukee, Wis.  
CETH D. PEACOCK, '08, Chicago, Ill.  
HERMAN H. HOPKINS, JR., '08, Chicago, Ill.  
BERT R. HICKS, '08, Oshkosh, Wis.  
KINTER K. KOONTZ, '08, Johnstown, Pa.  
HOMER W. WING, '08, Ionia, Mich.  
JOHN E. WAGNER, '08, Belding, Mich.  
WILLIAM F. CARROLL, '08, Chicago, Ill.  
GEORGE HERBERT MORGAN, '08, Detroit.  
ELY C. WOOD, '09, Peoria, Ill.  
JAMES TREMBATH, '08, Butte, Mont.  
PERCY D. BROWN, '09, Philadelphia, Pa.  
JAMES M. CRABB, '09, Detroit, Mich.  
ERNEST EVERHEART, '08, Sherman, Tex.  
WALKER B. LONGAN, '08, Kansas City, Mo.  
WILLIAM J. SHEDWICK, JR., '09,  
Philadelphia, Pa.

C. BURCH CAMERON, '10, Milwaukee, Wis.  
RALPH W. WENK, '10, Marinette, Wis.  
JOHN B. ARMITAGE, Three Rivers, Mich.  
EARL P. LUCE, Houghton.

\* \* \*

## *THE GAMMA CHAPTER*

### COLORADO SCHOOL OF MINES

F. F. FRICK, '08, Peru, Ind.  
J. B. LOWELL, '08, Worcester, Mass.  
PAUL NEER, '09, Golden, Colo.  
W. V. DE CAMP, '08, Denver, Colo.  
L. P. CLAPP, '08, Melbourne, Australia  
WM. MURRAY LEWIS, '09, St. Paul, Minn.  
R. R. BRYAN, '08, Denver, Colo.  
R. B. ELDER, '08, Denver, Colo.  
R. M. WHEELER, '08, Denver, Colo.  
T. BENJOVSKY, '09, Del Norte, Colo.  
D. O. RUSSELL, '09, London, England  
LOUIS SCHAFFER, '09, Lake City, Colo.

## HAMMER AND TONGS

### ALUMNI

- B*  
*Rhomb*  
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*Rhomb*
- ALSIP, ALBERT A., '08           Grassett, Ont.  
Engr. Lake Superior Corporation
- ANDREWS, WORTH B., '06   Goldfield, Nev.  
Care Combination Mining Company
- BARR, JAMES A., '07       Houghton, Mich,  
Instructor in Metallurgy. M. C. M.
- BARTLETT, HIRAM L., '04   McKinley, Minn.  
Supt. Republic Iron and Steel Company
- BATSON, CHARLES D., '07.   St. Paul, Minn.  
St. Paul Waterworks Department
- BENSON, ANTHONY F., '03.   Virginia, Minn  
Chief Engr. Republic Iron & Steel Co.
- BURKE, GILBERT M., '06.     Joplin, Mo.  
Gen. Mgr. Bullfrog Mining Co.
- COWIN, JAMES, '07.         Berkeley, Cal.  
Student. Univ. of California
- CROCKER, BERTRAM E., '09.  Iron River Mich.  
Care Mineral Mining Co.
- DOWNING, ROBERT, L., '06   Hibbing, Minn.  
Care Silliman, Mining Engr.



EDGERTON, RALPH E., S. San Francisco  
Box No. 28

ELLIS, BRUCE B., '08. Minneapolis, Minn.  
Engineer. C. M. & St. P. Ry.

*Rhomb* GRAHAM, ERNEST R., '07. Custer, S. D.  
Care Michigan Gold Mining Co.

GRYGLA, EUGENE E., '08. Moapa, Nev.

*Rhomb* HANKS, ISAAC B., '07. Minneapolis  
Pres. and Gen. Mgr. Lum-Hanks Elev. Co.

HASSELBRING, ALBRECHT, '06,  
Sault St. Marie, Ont.  
Mining Engineer

HAYNES, JACK E. '08. Minneapolis, Minn.  
Instructor. Univ. of Minn.

*B.* HELLBERG, EDWARD A., '08. Norway, Mich.  
Asst. Chem. and Engr. Oliver Iron  
Mining Company

*Rhomb* HERMAN, CHARLES F., '06. Hibbing, Minn.  
Engr. and Chem. Inland Steel Company

*Rhomb* HOUSTON, FRED K., '05.  
Muschaca, Argentina, S. A.  
Foreman Capillitas Copper Co.

*Rhomb* KINGSTON, CARL J., '06.  
Cerro de Pasco, Peru  
Cerro de Pasco Mining Company

- KIRKPATRICK, MARSENA R., '07.  
 Bellingham, Wash.  
 Nooksack Copper and Gold Mining Co.
- KRATZ ARTHUR M., '05. Kimberley, S. A.  
 Care De Beers Mining Company
- KUMKE CHARLES A., '06. Belleview. Ariz.  
 Independent Development Co.
- LARKIN, ARTHUR E., '08. St. Paul, Minn.  
 Care Twin City Rapid Transit Co.
- MACKILLICAN, JAMES A., '06. Wickes, Mont.  
 Mgr. Michigan & Montana Devel. Co.
- MARSHALL, GEO. B., '07 New York  
 Care N. Y. C. & H. R. Ry.
- McRAE, RANDOLPH, '06. Duluth, Minn.
- MEUCHE, ALFRED H., '05. Houghton, Mich.  
 Asst. State Geologist of Mich.
- PERKINS, WILLIAM J., '07. *Lead*  
 Mountain Iron, Minn.  
 Care Oliver Iron Mining Co.
- PHILLIPS, ROBERT B., '06. Ojibway, Mich.  
 Engr. Ojibway Mining Co.
- PICKARD, BYRON O., '07. Me-calf, Ariz.  
 Care Shannon Mining Co.
- POTTER, OCHA, Tonsenina, Alaska

B  
RANDOLPH, GEO. O., '07. Houghton, Mich.  
Instructor Dept. of Mineralogy, M. C. M.  
RIGGS, FRED, '10. Bloomington, Ind.  
Student Univ. of Indiana  
ROSE, WILLIAM A., Mina, Nev.  
SCHRADER, ERICK J., '05 Cumpas,  
Sonora, Mex.  
Asst. Mgr. Minneapolis Copper Co.  
SMITH, ALFRED L., '06. Wakefield, Mich.  
Engr. Brotherton Iron Mining Co.  
SMITH, CLINTON B., Butte, Mont.  
Care Missouri River Power Co.  
SPRING, WILLIS W., '07.  
New Britain, Conn.  
Care Corbin Lock Co.  
R  
STEINBACH, HARRY P., '06. Virginia, Minn.  
Asst. Engr. Republic Iron & Steel Co.  
R  
SWEENEY, WILFRED G., '06.  
Baxter Springs, Kan.  
Supt. Sweeney Mining & Engr. Co.  
B  
TORBERT, JAMES B., '07. Apartado 708  
Lima, Peru.  
Asst. to Frank Klepetko

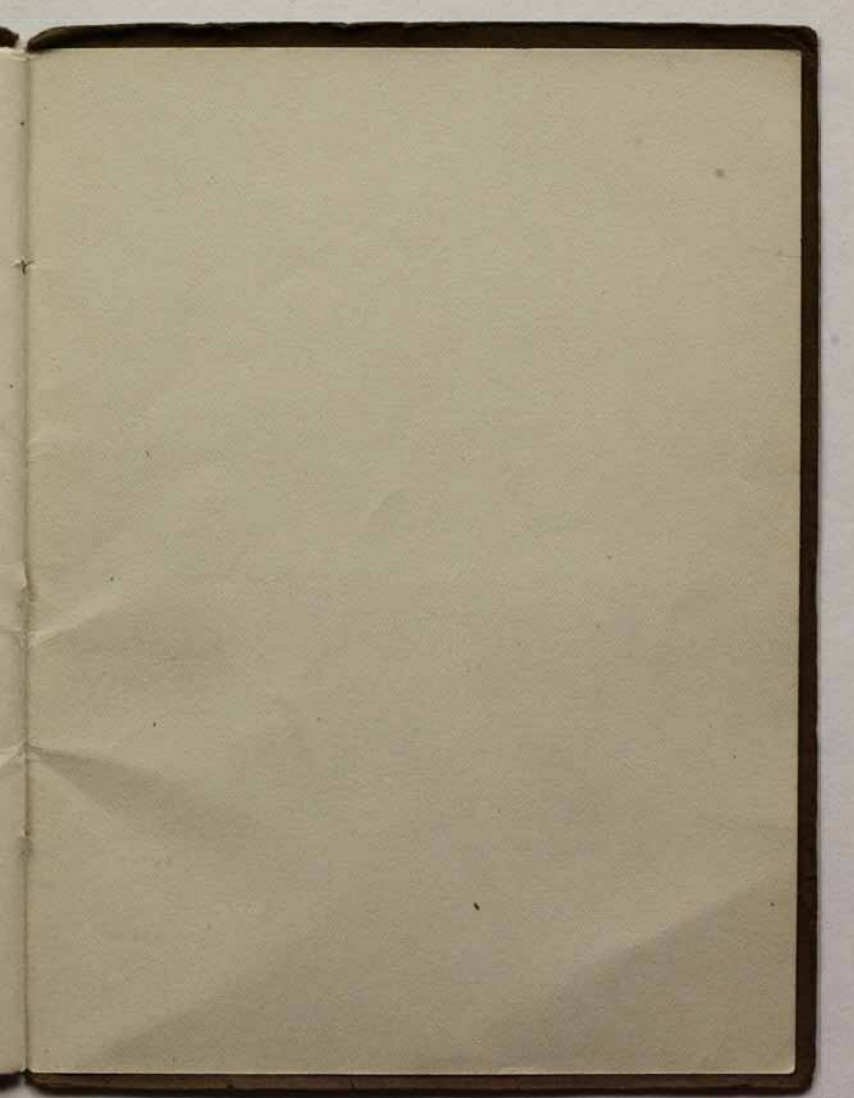
B  
VARNEY, FRED W., '08.      Kimberly, Utah.  
Asst. Supt. Annie Laurie Mine—Gold  
Mountain Cons. Mining Co.

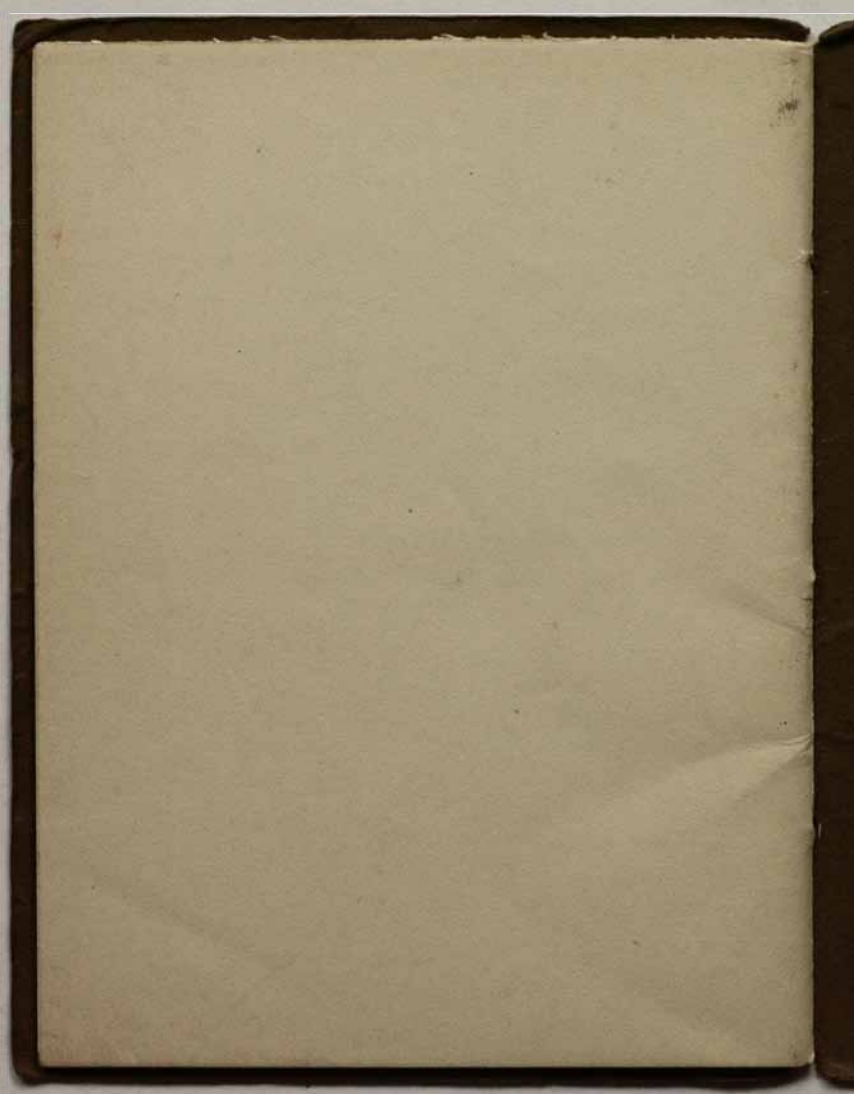
VINAL, EDWIN L., '06.      Golden, Colo.  
Student Colorado School of Mines

WEISEL, GEO. F., '06.      Henderson, Mont.  
Mgr. Mann Lumber Co.

WHEELER, WALTER H., '06.      Denver, Col.  
Care Jones & Wheeler, Engrs. & Contract.

KEWEENAW PRINTING COMPANY  
Calumet, Michigan





W. H. Hopkins



