



01 Oct 1915

## The Missouri Miner, October 01, 1915

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# THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Mo.

Vol. 2, No. 4.

Friday, October 1, 1915.

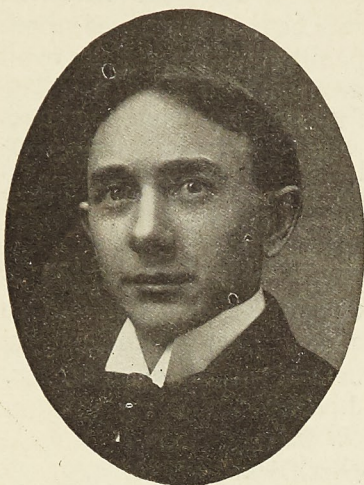
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## COLLEGE SPIRIT.

More than once in the pages of the Miner has appeared the lament that we lack college spirit. For that matter, if you will scan the columns of almost any college paper, you will see the same sort of assertion. Says one: "This college lacks college spirit". Another: "College life is a vain and empty thing without college spirit". Still another: "Go to, now, we must and will have college spirit".

What is College Spirit? An old German professor more than three centuries ago defined it as "Gemeingeist unter freien Geistern", Comradeship among free spirits". When these words were spoken it doubtless took a spirit to utter them; thought, speech and spirit among college students were not free in those days. They may have had the comradeship, but they were not always free spirits. Free spirits connote free minds, free souls; and where these and comradeship obtain there should be unity of purpose and harmony of action.

One of the obvious requirements for a college to be successful and for college life to be what it should be, is in college spirit. And how is this much desired object to be brought about? I have only space enough to mention one or two points. One thing is certain: it cannot be had so long as there is a lack of cohesion among the students; so long as they divide themselves into bands and cliques for the avowed object of getting the upper hand of their fellows who are also perhaps in bands and cliques. When students cannot agree on questions that have an influence for good or bad either upon themselves or upon their college, there



Prof. J. W. Barley.

### Read his article on "College Spirit."

can never be college spirit. So long as they hold their individual interest or the interest of their organization paramount to the interest of the general good, they cannot hope to breed college spirit. "Not my club or my fraternity first, right or wrong", but "my college first" is the spirit to generate college spirit. College politics perhaps more frequently than any other one thing kills college spirit. College spirit palls before the motive that leads this man and that to vote in a college election with his organization and with the motive of win-at-any-cost regardless of the fitness or ability of the candidate. The man with true college spirit votes for the best man, the man who will best represent the college.

To have college spirit there must be the get-together spirit. Frequent gatherings of the whole student body are necessary and they must be on a thoroughly democratic basis. The grind is not a very helpful individual in the formation of college spirit

*Continued on Third Page.*

## Attention Alumni.

Nominations have been made for officers of the proposed Missouri School of Mines Alumni Association. The result of the nomination, with a partial record of each man, is published on the last page of this issue of the Miner. You have the privilege of voting for a fine bunch of fellows, men who are boosters, and who have the ability and the desire to make the Alumni Association a success. The need of such an association is readily seen when one compares the greater number of Alumni we have to the small number of other mining schools, who, nevertheless, have very strong associations of graduates.

In order to be sure to get a vote from every Alumnus, a printed ballot is on the back of this paper, with the names of the two men for each office, and the eight men for the Advisory Committee. Scratch one man for each office, and four for the Advisory Committee, and send the card in to Professor Gottschalk, who is Chairman of the committee appointed to canvass the ballots, at once. If you want to send in a subscription to the Miner, send it along with the ballot, and the ballot will be turned into the committee.

To better get a vote from every Alumnus, the Miner will again print a ballot in the issue of October 8th. Please sign your name to the ballot. You have until Oct. 25th to get your ballot in.

We are all working to make the Alumni Association a grand success, so send in your ballot at once, and if you find an M. S. M. man who has not heard of the Association, put the thing up to him and get him to send his ballot in at once.



## Y. M. C. A. PLANS BIG CAMPAIGN FOR THIS YEAR

"Every Student a Y. M. C. A. Member" is Slogan.

### Big Smoker Friday Night.

For the past two years the Young Men's Christian Association in the School of Mines has been virtually a dead letter. Each year an effort was made to bring the Association up to its old standing among the various school organizations, but the effort did not meet with much success. A few of the old students would stand by the ship, but to obtain new members was about as easy as selling "Schutzenfest" tickets to the old heads around school.

This year, however, there are excellent indications of the return of the "old time pep". The opening of school saw the bringing forth of another issue of the popular Y. M. C. A. Handbook. Great credit is due to Sec. H. J. Schiermeyer for his work on it. The book is brim full of valuable information and anyone may obtain a copy for the asking. During the summer a canvas was made of all the available rooming and boarding places in Rolla, with the result that the Association rendered much valuable aid this fall to the men entering school.

At the present time an active campaign is being made for members. The results of this campaign to date are highly gratifying. Over one hundred of the students have joined. This number includes every man in the class of '17, and practically all of seniors. The lower classmen will doubtless include themselves in the number when approached. An effort is being made to have every student in the School of Mines a member of the Y. M. C. A. What a record that would be. No other school in the country, however large or small, could make such a boast.

For the purpose of better ac-

quainting the students with the aims of the Y. M. C. A. in the School of Mines, and acquainting them with the plans for this year's work, the members of the Association will give a smoker in Mechanical Hall, Friday evening, October 1st. An excellent program has been arranged; there will be plenty of smokes and eats, and everything will be free. The faculty, students and business men of Rolla are all cordially invited, and the Association officers will do their best to show every one a good time.

### List of Paid Subscriptions

To the Miner received up to Wednesday, Sept. 29, 1915:

Previously acknowledged, 138.

J. J. Allen, Rolla.

F. E. Dennie, Rolla.

Robert Dickerson, Rolla.

Prof. C. R. Forbes, Rolla.

J. Hoffman, Rolla.

B. W. Humphrey, Rolla.

W. W. Kisskaddon, Rolla.

Y. Klepel, Rolla.

Prof. E. S. McCandliss, Rolla.

J. E. Papin, Rolla.

F. Willis, Rolla.

T. W. Blake, Novinger, Mo.

F. W. Buerstatte, Pullman, Washington.

M. B. Burgher, Hannibal, Mo.

S. E. Hollister, Princeton, Mo.

J. E. Kublin, St. Louis.

R. F. McCrae, Hayden, Ariz.

J. E. M. Schultz, Knoxville, Tenn.

### Notice.

Beginning with next Sunday, the School of Mines Library will be open from two to five every Sunday afternoon.

Junior to Soph:—If the devil lost his tail where would he go to get a new one?

Soph:— ? ? ?

Junior:—He would go where they retail spirits.

Listening Freshman, 5 minutes later:—to another Freshman.

If the devil lost his tail where would he go to get another?

2nd Freshman:—I dunno—where?

1st Freshman:—To a saloon, you boob.

## We are not Satisfied Unless You Are

When we make that new, hand-tailored suit for you

"Let's Get Acquainted."

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### THE

## Rollamo Board

### ANNOUNCES

### THE

## 1915-16 Lyceum Course.

Ada Roach Co. - Oct. 21, 1915  
Novelty Four, - Nov. 13, 1915  
Jess Pugh, - Nov. 30, 1915  
Schildkret Orchestra,

Dec. 10, 1915

Thos. Brooks Fletcher,  
Feb. 17, 1916

Concert Entertainers,  
March 6, 1916

### Season Tickets, \$2.00

Turn out Miners, the Rollamo needs your help.

For sale by members of the Board.

Notification of arrangement of seats later.

He—If I would kiss you would you call for help?

She—would you need it?

Patronize our advertisers.



COLLEGE SPIRIT.

*Continued from First Page.*

and the snob should be run off the campus. In these days athletics is usually the leading element of college life around which the whole student body can mass because most often it is through athletics that one college is pitted against another, and this competition where victory is at stake brings about a solid phalanx of college sentiment. This is as it should be, but it must not be forgotten that the wrong kind of athletics is disrupting, and college spirit should see to it that the "athletic parasite" finds no place on the teams. The man who is in college for athletics alone is usually an undesirable character.

To have college spirit there must be college spirits,—but not those of booze and beer-busts and selfishness and rowdyism and cribbing. The college must have men, and many of them, who are impelled by high motives and ideals, who are willing to lay aside prejudice and self and rise to the highest demands made by the college, who are not lukewarm in action and industry and who are afire with love for the college and devotion to her aims and traditions.

**Changes In Football Schedule.**

In order to give the business men of Rolla a chance to see the football games, Coach Dennie is attempting to change the dates of all the local games coming on Saturday to the preceding Friday. Because of the rush of business on Saturday, the merchants and other business men of Rolla who are loyal supporters of the team can not attend the games, and it is hoped that because of this change of date they will be able to come up and help root. Coach Dennie solicits the co-operation of the Faculty in this endeavor.

Funny, isn't it, how a man heats up when he gets a cold shoulder.—Philadelphia Inquirer.

**Pep.**

"Pep" is the physical and mental outbursts of enthusiasm which results from school spirit. When the conditions which promote school spirit are present, as they are here, there should be an excess of "pep".

The physical outburst of enthusiasm should be evident in the number of men who go out for the athletic sports. Judging from the men who reported for football there is lots of "pep". To those who are out for football we wish to say—don't lose your "pep", keep it up. If the coach calls you for something don't take it personal, but remember he is saying what he does only for your good and the good of the team. He is working to build up a good football machine and is not "riding" any one. Those who do not play football must make their "pep" evident by rooting and cheering the team along at all times especially when a game is in progress. This same physical demonstration of "pep" must be shown also in baseball, basketball and track. You can make your "pep" evident by going to all the entertainments given by student organizations because in this way you are supporting them.

The mental outburst of enthusiasm should be evident in the amount of writing for the school periodicals and records. If you have an article or some local news which you think will be of interest send it to the Miner or the Rollamo. In fact every student should make an effort to help these publications by sending in whatever he can to be published.

These are a few of the ways in which you can make "pep" evident and it is up to the student body to prove there is school spirit and "pep" by pushing all school enterprises and organizations, and by demonstrating the physical ability in athletics. Everybody help in some way. Remember this is part of your work in school.

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This will assure you fresh clean Groceries.

Telephone Nos. 279 and 78.

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Home, Sweet Home,  
Sept. 24, 1915.

My Dear Son:—

I received your letter about that awful fire in Rolla, and am so much relieved to know that you escaped with only a few bruises and the loss of your clothes, books, instruments, etc.

Just as soon as you get located, be sure and have B. H. RUCKER write fire insurance to cover everything you have, and if you can spare the amount from your allowance, you ought to take out a little life insurance also.

Yours affectionately,  
MOTHER.

Said Adam to Eve—I don't give a fig. How often, old girl, you need a new rig,

For dressmaker's bills have no terror for me—

When you want to fuss up, just go shake the tree.—Ex.

Send the MINER home. The folks will be glad to get it.

Satisfied  
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ROLLA, MO.

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## THE MISSOURI MINER

A weekly paper published by the Students, in the interest of the Alumni, Students and Faculty of the Missouri School of Mines and Metallurgy, Rolla, Mo.

Entered as second class matter April 2, 1915, at the post office at Rolla, Missouri, under the Act of March 3, 1879.

### STAFF.

J. J. Doyle, - - Editor  
B. L. Ashdown, Assistant Editor  
H. E. Koch, - Business Manager  
Associates:  
E. G. Deutman, - Advertising.  
G. E. Ebmeyer, - Athletics.  
M. L. Terry, - Circulation.  
J. K. Walsh, - Exchanges.

Published Every Friday.

Rates: { Single Copies, - 5 Cents  
Per Month, - 15 Cents  
Per Year, - \$1.00

### New School of Mines Bulletin.

"Comparative Tests of Piston-Drill Bits" is the title of the latest bulletin of the Technical Series, written by Professor C. R. Forbes and Lister M. Cummings. The bulletin is the result of a long series of tests made by Professor Forbes and Cummings last spring. In it are a comparison of the relative cutting speeds of the different types of rock drill bits used in the piston machine, with a discussion of the efficiency and cutting power of the regular cross bit, the low center cross bit, the "Z" bit of Southeast Missouri, and the Joplin "Bull" bit.

Some excellent photographs of the bits are presented in the paper, together with a number of graphs showing the efficiency of the various types of bits, and a few tables of tests. Copies may be obtained at Mr. Kahlbaum's office.

### Attention Alumni.

M. S. M. Alumni are requested to read the outcome of the primary election for officers of the Missouri School of Mines on the back page of this issue.

## Talks by the Freshie's Room Mate.

### II.—TRAINING.

What is it? Omar? No, thanks!

Say, boy, I was surely glad to see you out for football tonight. You know I was up at the field after school, and—well, there was something familiar in the fellow on right end, that made me stick around. That was some nice work you did, old scout, because the man you were playing against was one of last year's stars. Keep it up, kid; your elderly and somewhat more dignified old roommate is proud of you.

But, say, listen here. Your offering me that Omar brought the idea into my noodle. Listen, buddy, how about training?

No, there isn't any two ways of training. Be fair, old timer, treat your coach, your school-mates, and yourself on the level. When you accept the coach's help and tips, you practically pledge him your obedience. The fellows want you to shine, and expect it of you, while you, yourself, will be square with it all. Is it right?

Its for your own good. Remember what you said when we ran to that fire last week? Just one word, as you panted up and connected the hose, "Cigarettes!" So now, what'll it be, training or no training? Be fair, old side-kick, be fair.

Yes, it is hard. You'll see the other fellows light up, while you'd give anything for a puff. Still, boy, where in the ding ding is your will power? And, listen, kid, remember, it is those self-same fellows who envy your health and physique after a season of honest training. Be fair to your Coach, old man, be square yourself. Say, we've sure got a hard schedule for this season, eh? Got it there? Let's see it. And next Saturday is our big game.

Harlan Harbicht, formerly of the class of '18, has enrolled in the Illinois State University.

## Deposit Boxes FREE.

Deposit your money in the

### NATIONAL BANK OF ROLLA,

The oldest and largest bank in Phelps or adjoining counties.

We solicit the accounts of the Students.

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**ROLLA'S  
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HOTEL.**

Cafe service

Unsurpassed.

**ALLISON.**

**The Jeweler,  
For Diamonds.**

STUDENTS.

Come in and get acquainted.

**LOCALS.**

Charlie Gold has a broken down arch in his foot, and is soliciting aid from any one who will not charge for their advice. Charlie was not able to make his usual Sunday trip to St. James, and we fear there will be a lonesome and aching heart there, as well as an aching foot here.

Freshie (to Soph on the way to meet his best girl who is on the incoming train). What is the first thing you do when you meet your friend?

Soph: Kiss her.

Freshie: (Somewhat astonished). In a public place?

Soph: No, you boob, her mouth is not a public place.

Massey and Heinze enjoyed the Fair immensely. Heinze lived up to his name by taking on lots of the "58th" variety of "pickles".

Cox: Krebs, what is a residual breccia?

Krebs: A residual breccia is a residue of a rock which has been eroded and carried away.

In some of the adjacent counties they are putting tags on all the bootleggers to keep them from selling booze to each other. We should appreciate some such similar condition in Phelps.

W. W. Weissbach spent the week end in St. Louis.

Grotts approaches Casanovas and asks him to buy a Lyceum ticket. Casanovas replies: "I would like to buy one, Grotts, but this year I really can't spare the time from my studies".

Watch the results, E-E-E-E-E (Ease.)

Wilson V. Bayha, who was a special student in electricity last year, is with the St. Louis Electrical and Testing Co. Bayha is superintendent of construction for the above company.

Geo. Kublin, formerly of the class '17, is now connected with the mechanical department of the Moon Motor Car Co., St. Louis. George writes that "the closest thing, next to being at

M. S. M., is reading the weekly edition of the 'Missouri Miner'. We wish George the best of success, and hope he will be with us again next year.

J. E. M. Schultz, Sales Engineer for the Sullivan Drill Co., visited M. S. M. last Sunday and Monday. Schultz is located at Knoxville, Tenn.

"A Vision of the Creation and the Sudden Awakening" is an allegory written by Fayette A. Jones, '92, President of the New Mexico School of Mines, appearing in The Albuquerque Morning Journal, under date of September 12th. It is a very interesting allegory, and exceedingly well written.

Last Friday evening the Pi Kappa Alpha Fraternity held an informal dance at their chapter house in honor of Professor N. C. Huttenpillar and their pledges, K. E. Spickard, R. Marston, C. W. Scothorne, E. R. Household-er, N. B. Larsh, and J. C. Hill.

Dr. A. L. McRae and Mr. Kahlbaum are attending the meeting of the Executive Committee of the School of Mines at St. Louis this week. Later Dr. McRae expects to visit the Missouri State Fair at Sedalia.

**M. S. M. A. A. Picture Show.**

The picture show Wednesday evening was a huge success. A large crowd attended the air-dome, in spite of the cool weather, and a notable increase in the funds of the Athletic Association was the result. The latter wishes to thank the students and townspeople for their hearty support of the entertainment.

The September number of the American Mathematical Monthly, published at the University of Chicago, contains a paper by Professor Geo. R. Dean, on "Questions relating to Quadratic Equations". Art. I of this paper is a solution of the quadratic without factoring or completing the square; Art. II is the solution of a pair of simultaneous equations which occurs in the theory of cables and transmission lines.



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RATES TO STUDENTS.

### IF.

If you should take light-hearted men too light of head to think,  
And throw them in the river,  
would they float or would they sink?

In the society columns of a prominent newspaper we notice the following statement in the write-up of a wedding: "During the ceremony low music was played." Probably "In My Harem," "When Mother Locates the Rolling Pin and Lands on Pa," or something of the kind.

Get your subscription for the MINER in at once.

### Exchanges.

Now that other colleges are beginning to open, we are beginning to receive their publications. The Daily Nebraskan, The Central Collegian, and the University Missourian have already been received, and we hope to get on the exchange list of a number of other colleges.

One of the best ways to build up a small school like ours is to find what is being done in other universities and colleges, and thereby gain some ideas which we can adapt for the betterment of M. S. M. With the beginning of this year, with a large enrollment, we have determined to maintain, if not excell, our customary standard of college activities. Our relations with other colleges is a phase of college life that is of greatest importance. Association is always a means of progress, and through it we hope to profit from other student bodies. Situated as we are, down in the heart of the Ozarks, with no other school of any size within a radius of one hundred miles, it is hard for us to know what the other fellows are doing, and through the courtesy of other colleges in sending us their publications, we hope to get much that is valuable, and through their suggestions and criticisms, to publish a better Miner.

### Missouri Mining Association Election.

On Tuesday evening, Sept. 18, 1915, the first meeting of the Missouri Mining Association was held. The membership was substantially increased. After a talk on the American Institute of Mining Engineers by Dr. Cox and a number of suggestions for the benefit of the local organization by Prof. Forbes, the following men were elected as officers of the M. M. A.

President, - L. W. Ehlers.  
Vice-President, J. G. Reilly.  
Secretary, - N. E. Ritter.  
Treasurer, - H. A. Kluge.

## The Delmonico

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to the

## Baumgardner Studio

For Development.  
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### Football Notes.

Coach Dennie's machine is rapidly being assembled from the old and new material on hand. Nobody has cinched their place on the team, and naturally, there is quite a bit of rivalry between the candidates during the practice scrimmages. In Friday's game with the Pittsburg, (Kansas), Normal team, the coach will probably give everybody a chance to show his ability.

With Brandenburger back in the line it begins to look similar to Kelly's 1914 model. Miller, Dover, Heman and Klepel are out for end positions. 'Brandy', and Wilson are holding down the tackles; while Askew, 'Jim' Bock and Dowd look good at the guard positions. Deckmeyer and Krause are a pair of husky freshmen out for a line job. Also at center Bruce has the call on account of superior experience; Shriver and Zoller are opposing him in the scrimmage work.

'Kis' absence throws the quarterback's job open. Allison and Vogel take turns with the varsity, and Raible and Brazill call 'em for the seconds. Imlay, McCartney, Dover and Larsh, have shown good form. Heman could also play in the backfield if called upon.

Everybody out Friday, Oct. 1st. Joe Wilson says that the team will do the rest. Give 'em a good start.

### Rollamo Lyceum Course.

Tickets are now on sale for the coming lyceum entertainments. The program is better than ever, and six very good numbers are to be presented throughout the winter months. Some excellent music is assured, and we look forward to a very enjoyable season. In the past the Lyceum courses have been more than a success, and with a good program in sight it is hoped that every student in M. S. M. will sign up for a season ticket. The price of individual entertainments is fifty cents, while a reserved seat for the entire course costs \$2.00.

### Advertisers and Advertising.

Below you will find a list of our advertisers, and the things they sell. Now, we want to say a word to the students and faculty. These people who have advertised in THE MINER, believe in it, and are trying to support it by indirectly paying part of the cost. They support us, and in return ask you to help support them.

It is reported that a number of students wait until they get to St. Louis to get their clothing, and send away for other things. We have also heard that a number of the readers of the Miner, buy many of their things through mail order houses. We respectfully inquire, why should you send out of town for things, when you can get just as good, at prices equal to or better here, than those furnished by out-of-town merchants. When you buy here, you are not only getting value received, but are directly supporting the things that go to make up a school and town of which you are a part, and in whose welfare you are just as vitally interested as the advertisers. If you want to boost the Miner, which we hope you do, you can do just as much by patronizing our advertisers as by contributing news. We cannot ask you to keep out of the shops of the merchants who do not advertise, but we do ask that you try to help those who help us! Patronize our Advertisers.

J. A. Allison, jeweler.  
Baumgardner, photographer.  
Bunch Barber Shop.  
Colliflower, tailor, cleaning and pressing.  
Delmonico, restaurant.  
Heller's, clothing and shoes.  
Hotel Baltimore.  
Johnson Bros., billiards, pool.  
McCartney, laundry.  
H. R. McCaw, furniture.  
Model Grocery, groceries.  
Model Meat Market.  
Morgan, loose leaf.  
National Bank of Rolla.  
Rollamo, Lyceum program.

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The place to buy  
your Hardware is at  
J. A. Spilman's  
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**Model  
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Rolla State Bank.  
B. H. Rucker, insurance.  
Star Tailoring Co., cleaning and pressing.  
R. M. Strobach, laundry.  
Smail's Smoke Shop, periodicals, candies, etc.  
L. C. Smith, hardware.  
J. A. Spilman, hardware.  
United Shoe Repairing Co.

Almost any man can be made over into a fairly acceptable husband by patching up his digestion, letting out a seam in his pocketbook, taking a tuck in his vanity, smoothing the wrinkles out of his disposition and putting a little passementerie on his manners. — McCracken.

Some men are born diplomats and others laugh heartily at the boss' jokes. — Columbia State.



## TO THE ALUMNI:

The report of your committee appointed to receive and count the ballots for nomination of officers of the Missouri School of Mines Alumni Association is given below.

The votes for officers should be sent on the appended ballot to Prof. V. H. Gottschalk, so as to reach him not later than October 25th, on which date the committee will open and count the ballots, and announce the result of the election.

Respectfully,

V. H. Gottschalk, '98.  
F. B. Powell, '06.  
D. H. Radcliffe, '13.

For President (vote for one):

W. R. Cox, ex-'96, E. M. '11, of W. R. Cox and Staff, consulting mining engineers, 120 Broadway, New York City.

D. C. Jackling, '92, mining engineer and capitalist, Hobart Building, San Francisco, Calif.

For Vice-President (vote for one):

R. E. Hoffman, '05, manager of works Atlas Portland Cement Co., Hannibal, Mo.

G. E. Lyman, '02, chief mining engineer Madison Coal Corporation, Edwardsville, Ill.

For Secretary and Treasurer (vote for one):

G. H. Cox, E. M. 1914, Professor of Geology and Mineralogy School of Mines and Metallurgy, Rolla, Mo.

J. C. Ingram, Assistant Professor of Chemistry School of Mines and Metallurgy, Rolla, Mo.

For Advisory Committee (vote for four):

1. H. G. S. Anderson, '08, research work in mercury extraction, Hotel Turpin, San Francisco, California.

2. R. E. Dye, '12, superintendent high grade plant and low grade cyanide plant, Buffalo Mines, Ltd., Cobalt, Ontario.

3. J. A. Garcia, '00, of Allen & Garcia, consulting engineers, McCormack Building, Chicago.

4. L. E. Garrett, '01, Assistant Professor of Mathematics School of Mines and Metallurgy, Rolla, Mo.

5. H. H. Nowlan, '13, Ray Consolidated Copper Co., Miami, Arizona.

6. A. L. Pollard, '09, assistant superintendent malleable plant Johnston Harvester Co., Batavia, N. Y.

7. R. F. Rucker, '06, assistant superintendent Aluminum Ore Company, East St. Louis, Ill.

8. C. R. Wilfley, '05, manager Barstow Mines, Ouray, Colo.

### BALLOT.

For President.

(Vote for One.)

W. R. COX.

D. C. JACKLING.

For Vice-President.

(Vote for One.)

R. E. HOFFMAN.

G. E. LYMAN.

For Secretary and Treasurer:

(Vote for One.)

G. H. COX.

J. C. INGRAM.

For Advisory Committee:

(Vote for Four.)

H. G. S. ANDERSON.

R. E. DYE.

J. A. GARCIA.

L. E. GARRETT.

H. H. NOWLAN.

A. L. POLLARD.

R. F. RUCKER.

C. R. WILFLEY.