



28 Nov 1921

The Missouri Miner, November 28, 1921

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J.B. Butler
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THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 8, No. 12.

Monday, November 28, 1921.

Price, 8 Cents.

SPECIAL LECTURES IN OIL GEOLOGY.

Through the interest and efforts of the Tusa Alumni, particularly of Mr. V. H. McNutt and Mr. M. M. Valerius, the following special lectures on Oil and Gas Geology have been arranged:

Nov. 28—Mr. Conrad Lambert, Vice-President, Morgan & Company. Subject: Oilfield Maps and Scouting.

Dec. 2. Mr. J. A. Udden, Chief Geologist, Sinclair & Co. Subject to be announced.

Dec. 9. Mr. Luther White, Chief Geologist, Oklahoma Central Oil Co.. Subject: Sub-surface Work.

Dec. 16. Mr. H. B. Goodrich, Consulting Geologist, formerly Government expert on Valuation and Taxation. Subject. Oil Valuation and the Principles of Taxation.

Date to be announced. Mr. L. P. Zoch, General Manager, Dresser Oil Co. Subject to be announced.

Date to be arranged. Mr. M. M. Valerius, Consulting Geologist. Subject, The History of Petroleum Geology.

These lectures will be given in the Geology Lecture Room, 204 Norwood Hall, at 10:00 A. M. on the dates specified. Each morning lecture will be followed by an afternoon lecture and round table discussion, at hours to be announced at the time of the morning lecture.

While these lectures are intended primarily for the members of the class in Oil and Gas Geology, and other classes will not be dismissed; nevertheless any other persons free at that hour and especially interested in the subject are welcome.

MINER DANCE.

The fourth Miner Dance of the year will be given in Jackling Gym on Friday evening, December 2nd. The time is nine o'clock, and the price is seventy-five cents. The music will be good, and the floor smooth. Make your date.

JUNIOR BENEFIT SHOW.

There will be a picture show for the benefit of St. Pat's, given by the Junior Class, in Parker Hall, next Friday evening, December 2nd. The time is seven forty-five. The benefit is a worthy one, and the school should turn out in force in order that as much money as possible may be gotten together this semester for St. Pat's. This is on the same night as the Miner dance. Make your date for both.

HAYES-HARRISON.

The wedding ceremony of Stanley Hayes and Miss Nancy Harrison was solemnized on Wednesday afternoon at the Episcopal Church of Rolla.

The bride is well known in Rolla, being Assistant Librarian at the Missouri School of Mines Library. The groom is a member of the Senior Class at M. S. M., Theta Tau, and the Bonanza Club, and is a popular man among the students of the school.

Immediately after the wedding the couple left for Ha-Ha-Tonka, and other points for their honeymoon.

The Miner joins with the student body in wishing the couple every joy and success.

MISSOURI SCHOOL OF MINES ALUMNI ASSOCIATION CONSTITUTION.

Article 1.

Section 1. Name.—The name of this organization shall be the Missouri School of Mines Alumni Association.

Section 2. Object.—The object of the Association shall be to promote in all ways possible the welfare and advancement of the Missouri School of Mines and Metallurgy, Technical Science in general, and the social relations of its members.

Article 2.—Members.

Section 1. The membership of the Association shall consist of Alumni and former students of the School of Mines and Metallurgy, and honorary members

Article 3.—Officers.

Section 1. The officers of the Association shall consist of a President, a Vice-President, a Secretary and a Treasurer. There also shall be a Board of Directors, consisting of the chairman of each local unit and three additional members to be appointed by the President, who shall be residents of states not represented by local units. The officers and directors shall be elected to serve for a term of two years, as hereinafter set forth.

Section 2. The Board of Directors, functioning as a Nominating Committee, shall elect as nominees not less than two members of the Association for each office to be filled by ballot in the following manner: The Secretary, who must be a resident of Rolla, Missouri, the designated headquarters of the Association, shall submit to each member of the Association by

U. S. mail, a ballot containing the names of all nominees for office at least 60 days prior to date upon which the term of offices to be filled becomes effective. Members shall be requested to indicate upon such ballots the individual for whom vote is cast and return to the Secretary. The majority of votes cast and in possession of the Secretary not later than ten days previous to beginning of term of office shall constitute an election.

Article 4.—Meetings.

The organization's headquarters shall be maintained in Rolla, Missouri. As the membership of the organization is more or less scattered there shall be no set dates for meetings, but as opportunity affords meetings may be held subject to call of the President.

Article 5.—Organization and Charters of Local Sections.

Section 1.—Charters. Organization of individual sections of this Association shall be effected as desired by groups of members. Such local sections shall, however, be required to adopt and submit for the consideration of the Board of Directors a tentative constitution and by-laws. Upon the approval and acceptance of such charter or constitution a recognized local section of the Missouri School of Mines Association shall be established, and a charter granted.

Article 6.—Amendments.

Section 1. Amendments to this Constitution may be made only in the following manner: The Secretary shall submit in writing to each member a copy of the proposed amendment, stating date on which voting will be closed (at least two months subsequent to mailing of notice). Two-thirds of votes cast prior to this date shall establish the amendment.

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BY-LAWS.

Article 1.—Officers' and Directors' Duties.

Section 1.—President. The President shall be the presiding officer, and he shall be responsible for direction and supervision of all business of the organization. He shall be ex-officio member of all committees, and perform such other duties as

may pertain to the office.

Section 2.—Vice-President. The Vice-President's duties shall consist of actively engaging in the work to be done by the Association, and upon the President's vacation of the chair shall perform the duties of the President.

Section 3.—Secretary. The

Continued on Page Eleven.

SPORTING SECTION.

A FOOTBALL BANQUET.

The end of the present football season having come, we are reminded that a football or athletic banquet of some kind is due. We do not know just what the sentiment of the student body is concerning such an affair, but venture to say that everybody is in favor of it—just so long as "George" finances and manages it.

That being the case we are forced to venture this suggestion: Why not have a good "get-together," an honest-to-god meeting, that will show the athletic men that we are behind them, rather than get a gang up to a banquet just by appealing to their stomachs. As yet there has been few real pep meetings at M. S. M., and we'll wage that the football men will appreciate, just as much, an expression of real spirit from the student body as they would a semi-formal banquet.

Such an affair would cost very little, while a banquet would tax some (the majority, perhaps) individual's purse to the breaking point. There is no good reason why a program could not be arranged, where the school and student body could express their appreciation of the squad's work during the season. Everybody would feel free to attend, and would go away with a feeling that what little pushing they were doing was worth while.

What enterprising person will push such a meeting? It can be made a success.

FOOTBALL.

The Miner intends to run a review of the 1921 football season at M. S. M. in the next issue.

HIGH SCHOOL BASKETBALL TOURNAMENT.

Coach Dennie's invitation basketball meet over the holidays showed up many promising basket shooters among the various high school teams that visited Rolla. The Rolla High boys won the cup offered by the Teachers' Association for the championship by beating the fast Richland team to the count of 36 to 27. The first half ended with the two teams very nearly even, but the locals put on speed in the second half and finished with the nine-point lead.

The Girls' team from Cuba showed class in their game with Crocker, and overcoming a ten-point lead at the start of the final session, headed their opponents by one point to win the quart-sized cup for their efforts.

The track team from Steelville carried away the prize for the half mile relay, winning that event over Rolla in the time of 1:42 1-5.

Dennie expects to make the tournament a yearly feature of the holidays. The boys visiting the school were all immensely pleased with the hospitality of the various clubs and fraternities of M. S. M., and in choosing a college to attend after leaving high school, will remember the good times they had at Rolla and the School of Mines.

BASKETBALL.

The inter-club and fraternity basketball tournament play will begin Thursday afternoon, when two games will be staged. A list of the first games will be placed on the bulletin board tomorrow. Watch for it.

Patronize Our Advertisers.

ATHLETIC SCHOLARSHIP COMMITTEE NAMED.

President A. D. Terrill has appointed the Alumni Athletic Scholarship Committee. The chairman of the committee is Dr. A. L. McRae. The other members are: W. W. Kiskaddon, Tulsa, Okla.; J. A. Gregory, Newport, Ark.; Byron L. Ashdown, St. Louis; and J. H. Smith, Rolla, Mo.

FROSH BURN CAPS.

Costly Fire This Year.

The Class of '25 performed in the downtown section on Wednesday evening. The occasion marked the end of the fall season for green caps. A great pile of fire wood was collected and placed at Ninth and Pine. At this time the Law, represented by Marshal Marling, decided to prevent such a waste of fire wood. Undaunted by the Law, the Frosh engineered a nice shift, and by a bit of strategy distracted the attention of the officer, and set the wood afire.

And, as is usually the procedure, when such a fire rages, the alarm was sounded. Some of the Frosh imbued with a spirit of heroism, departed for the vicinity of the fire bell. Of course, who rang the bell remains a mystery. But nevertheless it rang, and caused the Marshal and Watchman to scurry toward the lofty bell. No one was there when the Law arrived.

A few moments afterward one of the Frosh, who was indiscreet enough to wander alone, was captured by the Law and stuck in the "jug." Much delay ensued in releasing him.

Continued on Page Ten.

VOCATES.

Several Vocates spent the holidays at their various homes last week. Others spent the time advantageously shooting quail and rabbits.

"Gravyfoot" Brant disagrees with Webster, in that the skunk carries a perfume bottle, rather than a powder puff.

Max Howard was a visitor at the La Abri Club House during the holidays. His headquarters are in St. James at the present time.

Barry was a leading character at a pie eating contest which ended up in a pie throwing contest. In the course of events a lady received a piece of pie in her face. A general rush was made for the door. Up to the present time several have failed to answer at roll call.

"Squirrel" Bothwell acted as linesman at the basketball tournament. Max also furnished amusement by being on the receiving end of a wrinkling mate.

J. M. MacDonald spent the holidays at home, and while there was asked by a friend of his family how he was getting along in school. His reply was favorable, of course. He then was presented with some literature from the Keeley Institute.

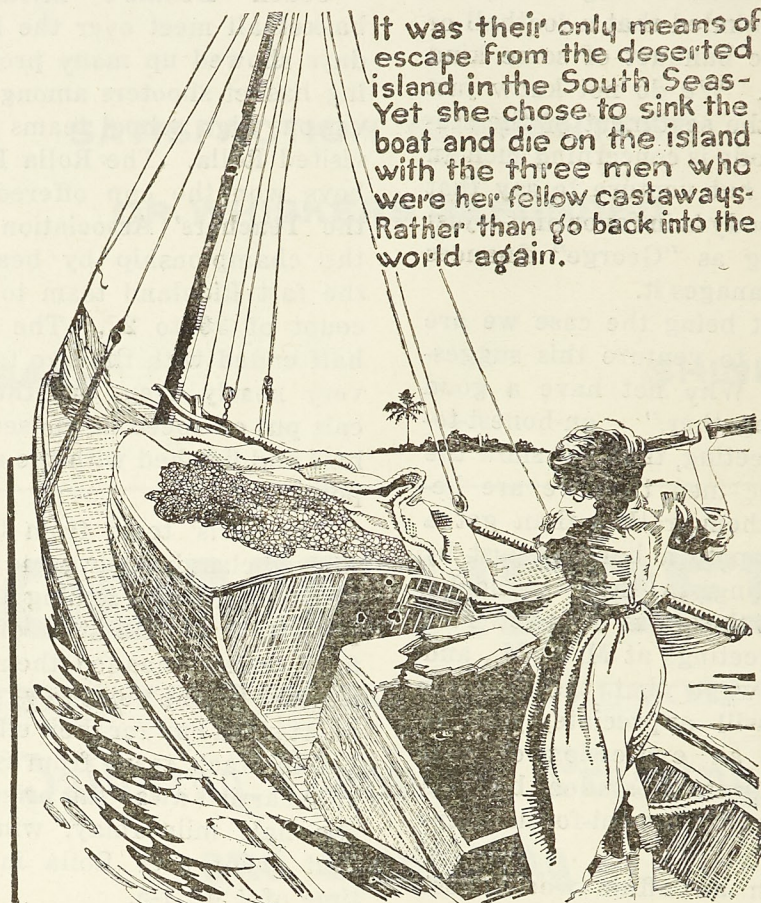
"Grandpa" Siegle lost all his money on the dog race in St. James. He picks a slow card; but he uses better judgment in his selection of other types of speed.

Mort. MacDonald is leading Kimball in the affections of the fair damsel who was mentioned in this column last week.

The boys of the La Abri Club are planning a beauty contest. Unlike other beauty contests, this contest will be for the most homely man, instead of the most handsome. Several candidates with winning characteristics have been nominated.

THE METHODIST ENGINEERS AT THE METHODIST CHURCH THURSDAY NIGHT, DEC. 1, 7:30

THE LOVE FLOWER Full of movement and beauty. National Methodist Motion picture Bureau says:—"This is a clean and charming romance".



DAVID WARK GRIFFITH'S newest picture "THE LOVE FLOWER"

From the Collier's Weekly Story
"Black Beach" by Ralph Stock.

DOPE ON MISSOURI

BONUS BILL.

In a dispatch from Jefferson City the Adjutant-General says the War Department has sent Missouri the records of non-commissioned officers and enlisted men, but that the State does not have the war record of commissioned officers. The Adjutant-General has notified the Missouri Congressmen of this condition, and suggests that it

might be well for officers to get their service records direct from the War Department.

The Adjutant-General states that the soldier bonus cannot be paid yet, because it will take some little time to get the administrative organization into working order.

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ART COVERS

ALBUMS

KODAKS

SHEET PICTURES

NOTES OF INVESTIGATIONS OF UNITED STATES BU- REAU OF MINES.

At the Mississippi Valley station at Rolla, Mo., in a study of milling problems in the Missouri-Kansas-Oklahoma lead and zinc district, an endeavor is being made to design a simple mechanical jig, similar to a hand jig, but operated mechanically, which will enable the mill man to take a sample, test it in a few minutes, and remedy the reason for the mill loss. An effort is also being made to develop a jigging practice so as to do more of the milling on jigs and unburden the tables.

At the Southwest station of the bureau at Tucson, Ariz., in the sulphur leaching investigations, comparative tests are being made on various typical ores to determine the relations of the variable factors, such as tonnage, leaching efficiency, utilization of gas, etc. Sulphur dioxide determination for non-sulphide copper has been modified, and a careful comparison is being made of the modified method with the methods in use at the principal porphyry properties.

The assistance of the Intermountain station of the Bureau of Mines at Salt Lake City has been requested in working out an economical process to recover the value from millions of tons of low-grade silver ore left in the mines and on the dumps of the Park City district in that state.

Laboratory work on the purification of copper sulphate solutions is being conducted at the Pacific experiment station of the Bureau of Mines at Berkeley, Calif. At this station an effort is being made to determine where methane begins to function as a reducing agent for oxides of iron, with particular reference to the temperature above which reduction becomes rapid.

With a field survey of some iron mines at Ishpeming, Ironwood and Iron Mountain, Michigan, field studies of timber decay and timber preservation have been completed by the Bureau of Mines. A general study of the preservation of mine timbers is being made under a cooperative agreement between the Bureau of Mines and the Forest Products Laboratory of the Department of Agriculture.

At the Southern experiment station of the Bureau of Mines at Tuscaloosa, Ala., studies of the atmosphere in the largest iron-ore mines on Red Mountain have been made. Methods of development, mining and handling the ores of several mines on Red Mountain have been investigated. In the brown iron-ore district at Woodstock and vicinity, studies have been made of the character of the ore and methods of mining and preparation. A series of tests have been made on locating the workable deposits.

At the Northwest station of the Bureau of Mines at Seattle, Wash., a rotary furnace for the production of sponge iron has been completed. Several reduction tests have been made in which both magnetite and hematite ores were reduced with results equally as good as those obtained in previous tests made in an electric muffle.

In an investigation of the reduction of iron oxide, being conducted at the North Central experiment station of the Bureau of Mines at Minneapolis, the resistance to the passage of air through beds of ore was the first factor studied. The results indicate that the pressure drop required to force air through an ore bed is directly proportional to the flow, and that this pressure varies inversely as to the square of the size of the ore

Continued on Page Eight.

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.

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EDITORIAL.

WHAT IS IT?

In the course of a general discussion among a body of students relative to "What is wrong at M. S. M.," one of those present made this statement: "I look at this question in an entirely different light than most of you. What I am asking myself is, 'What is wrong with me?' I am not seeing and criticising the other fellow's faults until I have corrected my own short comings."

Such an expression, coming from a student who has always taken an impartial interest in all student activities, and who is always trying to arouse more enthusiasm in the school, so impressed us that we have been thinking it over and over in our own minds, and are wondering if any one else has put this question so squarely up to himself in the way this student has. It is easy to see another's faults,

but before doing that, should we not "First cast the mote out of our own eye?"

In the football game between the Miners and Central, how many of us braved the storm and rooted ourselves hoarse for the team? How many got as far as the Gym and viewed the game from a convenient window? How many didn't have the pep to get as far as the Gym? We confess to one of these faults. We saw the game from a window in the Gym. And it was warm and dry in there. If a bunch of athletes, together with their coach, are willing to don a uniform and brave such a storm as was raging during that game, should not every man in school turn out and root even if he does get his feet wet?

During most of the football season a small body of rooters gathered on the side lines and encouraged the players. One body of men, few in number and, by the way, they were not all students, had a roll call every evening during practice. It made no difference how inclement the weather was, those men were on the job. Shall we call the roll now? No. Let's wait till the basket season starts, and we are convinced that that same small body of men, who have the proper Miner pep, will not miss a roll call.

However, we are getting nowhere with our confession. We lay our cards on the table and say, "Whatever it is, the Miner is to blame." Is there any individual or any other organization in school who will meet us half way?

Having seen the error of our ways, we intend to do all in our power to correct our faults before we blame others. It is true that we were ardent supporters and rooters as long as our team was winning, but as soon as we lost a game our pep waned about 100 per cent. We also realize that as far as our knowl-

edge goes, only two pictures of our athletes have appeared in the Miner within the last few years—Eddie Bohn and Henri Chomeau.

We could enumerate our faults, but it would fill columns, and why should we? We have shouldered the blame, and as long as we know and feel that we are in a glass house, a stone shall not be cast. We have hitched ourselves to a heavy load. We may possibly get stuck in a mire of discontent, dissatisfaction and crabbing, but if such a thing happens, we feel that there are other organizations who will come to our rescue.

FROM THE FLAGPOLE.

Schoolmarms galore. Roy Gettler and his fellow members of the 'Country Boys' Club ought to shine this week-end. We saw him out doing a little reconnaissance Friday night. "Get" knows his buttons, and the time that he can show them will be something to tell their pupils about when they get back. But they probably WON'T.



Jevver see such an assortment among pedagogues? From the most abbreviated to the most lengthy, and with all varieties of "woman's crowning glory," from the "jettest" black to the most florid "sorrel-top." As for us, we like 'em short and blonde, with the blonde bobbed.

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No Questions Asked

OZARK IKE HEARD FROM.

Nov. 23, 1921.

Dere Editor,

Me
An my brother
Hill Billy
Aint been in scule
This fall
Cause the old man
Run outa coin
An we had to work!

But we aint forgot
Old M. S. M.
(Not by a jugful)
An we're mity glad to kno
You'd sure like sum more of
our
Pomes.

We've writ a song—
Both of us together—
An we're sendin it along
With this pome
An if you think it's good enuf
You kin print it

An mebbe
This here new Glee Club
I've heard tell about
Mite learn to sing it?

We're hoping we kin come
back
To scule nex term
An if we do, why mebbe
We kin write sum more
pomes

If you want em. Do you?
OZARK IKE. Ex '24.

"BE YE TRUE TO M. S. M."

Air
"Come Ye Back to Mandalay."

In the hills of old Missouri,
Serene on her hilltop high,
Stands the school all miners
root for

Until the day they die;
And no matter where they wander

They can hear it calling them,
"Be ye true, ye loyal miners,
Be ye true to M. S. M."
Be ye true to M. S. M.

Chorus.

To old M. S. M. we're true,

Ever loyal through and through
And we'll give the good old
Miner yell—

The best we ever knew.
In our hearts we will enthrone
Ev'ry stick and ev'ry stone,
And we'll raise the loyal chorus
To old M. S. M., our own.

**PROSPECTIVE "PEBBLE
PUPS" ADVANCE NEW
THEORIES.**

Residual soil is soil which settles to the earth's surface.

Metamorphic rock is a combination of both igneous and sedimentary rock.

Geode is a form of rock formed in cavity of rock crystals forming outward to inward.

Geode is a form of concretion from outside to inside.

Geode is a siliceous concretion that forms from the outside inward that is the outside cools first then inward the interior is hollow.

Oolite is a formation of oolic.

Karst topography is a formation which of barren multifracture rock. Name derived from a place in Europe which covers a wide expansion.

Dendrite is a fernleaf characteristic.

Sink hole and opening caused by and underground cavern having the roof gave way or may be a weathering process.

An artesian well is one that rises above its own head.

Travertine is a calcareous coarse ore deposited by precipitation of cave waters.

An aquifer should dip 1 degree per mile.

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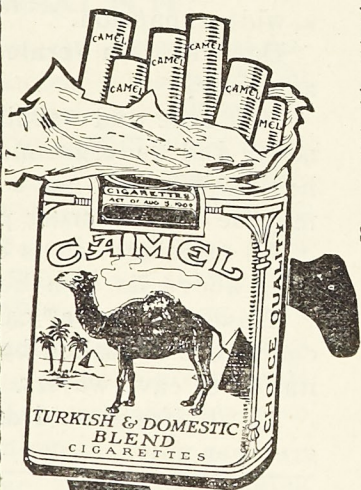
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Camels wonderful and exclusive Quality wins on merit alone.

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Camels are made for men who think for themselves.



Camel

R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C.

Continued from Page Five.

particles. Experiments are also being conducted to determine the rate of transfer of heat from an air stream to an

ore bed through which the air is flowing.

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De LUXE

EBMEYER TO MAKE LONG TRIP.

(Tampico-Juarez Press Ser-
vice.) Puerto Mexico, Ver.
Mex., Nov. 27.—G. E. Ebme-
yer, of the Cia Mexicana de Pe-
troleo "El Aguila," S. A., is to
have his headquarters at this
place. He recently arrived
from Tampico, Tampa, where
he had been located the past
year. Previous to that he was
a student at the Rolla School of
Mines, in the States.

From his secretary, we learn-
ed that Mr. Ebmeyer is going
on a long reconnaissance trip
thru the States of Chiapos and
Tobasco, and possibly into Gu-
atemala. The secretary also
mentioned that next to a letter
from home, the MINER is the
most welcome bit of mail
Chief "Eb" receives.

HEIMBERGER-MEYERS.

Notice just came to the Min-
er of the wedding of Karl
Heimberger, M. S. M. '20, to
Miss Helen S. Meyers, of Cres-
ton, Ia., on November 16, 1921.

The bride was a student of
Iowa State College, and an ac-
tive worker in church circles,
and is prominent in social cir-
cles. Karl Heimberger gradu-
ated from the Missouri School
of Mines in April, 1920., with
a B. S. in Civil Engineering, and
is now located at Creston, Iowa.

The Miner joins with the
many friends of the pair in
wishing them the greatest hap-
piness.

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PROF. DEAN HEADS SALVA- TION ARMY DRIVE.

Students Asked to Help.

The Salvation Army Home
Service Drive opens Nov. 28th,
and will be continued until the
contributions amount to \$1500
at least. This is to help defray
the expenses of the Army for
the ensuing year in their activi-
ties, which are enumerated be-
low.

Prof. Geo. R. Dean, President
of the Phelps County Advisory
Board, is going to solicit person-
ally, and does not desire to be
compelled to go over the cir-
cuit three or four times.

The Salvation Army activi-
ties are:

Relief of Poor.

Rescue and Maternity Homes
Young Women's Boarding

Homes.

Industrial Homes.

Working Men's Hotels.

Fresh Air Camps.

Christmas Dinners.

Free Employment Bureaus.

Prison Work.

Boys' Friend Bureau.

Anti-Suicide Bureau.

Work Among Service Men.

Emergency Department.

H. W. Mundt, '21, and wife
are now residing in Rolla. Herb
is with the Missouri Geological
Survey as analytical chemist.

FRATERNITIES

GET YOUR

GROCERIES

and

MEATS

from

ARY & SMITH

Continued from Page Three.

but finally bond was given, and the youthful one was able to catch No. 5 for a visit home.

Mr. Burbank willingly opened the doors of the Rolla Theatre, and was host to the Class of '25.

The Supreme Court convened in Rolla this morning, and after a lengthy hearing the Freshman was given some good advice. This advice was not entirely free.

And at this time it might be well for the Frosh to remember that they are Freshmen until Commencement, 1922.

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Leave orders at Baltimore Hotel

H. G. S. ANDERSON DE- SCRIBES AIR LIFT.

The issue of the Engineering and Mining Journal of Nov. 19, 1921, contains an article on the Air Lift used for elevating tailing discharge from the concentrator of the Chino Copper Co., at Hurley, New Mexico. The article was written by H. G. S. Anderson, who graduated from the Missouri School of Mines in '09. A comprehensive discussion of costs of operation as compared with that of bucket elevators, installation and operation features are included in the article. Mr. Anderson is now Assistant General Manager of the Chino Copper Co., at Hurley.

JOHNSON-FARRIS.

Another old Miner has stepped into the ranks of the Benedicts. R. L. Johnson, M. S. M. '21, was married to Miss Josephine Farris at Okmulgee, Okla., on Sunday, Nov. 27.

Both parties are well known in Rolla. Mr. Johnson was a member of the Kappa Sigma Fraternity, the A. I. M. E. and the A. A. E. He graduated with the April class of 1921.

The bride is the daughter of Hon. Frank H. Farris, of Rolla, and is popular in society circles of the city. Miss Edith Johnson, a sister of the groom, is the Assistant Librarian at the Missouri School of Mines.

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Charles L. Woods, Publisher

NEW DIRECTORY FILLS LONG FELT NEED.

The directory published by the Methodist Engineers fills a need long felt by the Faculty and students of the Missouri School of Mines. The society decided to put the directory out after the failure of the A. A. E. of last year in their efforts to catalog the students of the school, and we must admit that the new book is good. The annual publication in the Miner of the students was foregone this year in favor of the intentions of the Engineers, realizing that the latter would and could put out more information than the paper in its limited space.

Congratulations, Engineers,
on your successful effort.

James Hopkins, '13, Tofa Gold Coast Colony, South Africa, has been elected a member of the A. I. M. E.

R. M. Heckman has been called to his home at Liberty, Kansas, by the news of his father's death. The Miner desires to extend the sympathy of the student body.

The School of Mines Celebration

Over two hundred graduates came to celebrate the Fiftieth Anniversary of their school.

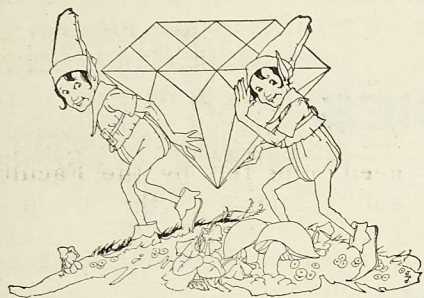
They were a sample of the highly successful men the school turns out—consulting engineers, highway engineers, chemists, geologists, and superintendents and presidents of thriving plants.

They inspire young men and women to begin saving for their children's education, and success.

Rolla State Bank

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DEPOSITORY ROLLA SCHOOL OF MINES.



SAVE MONEY

BY
DOING YOUR
Christmas Shopping
AT

A. L. Capps

THE GIFT SHOP

Continued from Page Two.

Secretary shall be the recording officer, keep a complete list of all members, handle the general correspondence of the organization, co-operate with all committees in their work, issue notices of elections, meetings and such other duties as may be prescribed by the Board of Directors. He shall also publish at least once every three years a register booklet containing names, addresses and occupation of all members of the Association, and shall mail a copy of this booklet to each

member free of charge.

Section 4. The Treasurer shall handle all funds, and shall submit a report of his accounts on request of the President, or Directors.

The Secretary and Treasurer must be residents of Rolla, Missouri.

Section 5.—Board of Directors. The Board of Directors shall have general supervision of the activities of the organization, and have the right to expend the moneys of the organization. Upon a majority vote of its members, it shall fill, for unexpired term, any vacancies

in offices or directors of the organization. The President and Secretary shall be, ex-officio, President and Secretary of the Board of Directors. A quorum of the Board shall consist of three members.

Article 2.—Committees.

Section 1. The President shall have power to appoint special committees as needs arise.

Article 3.—Membership.

Section 1. Alumni and former students are eligible to membership in the Association, and upon endorsement of two members, and with approval of an officer of the organization shall become members with full privileges. Honorary members shall be elected by full vote of the Board of Directors.

Article 4.—Dues.

Section 1. The dues of the Association shall be \$5.00 per annum, payable in advance. This includes an annual subscription to The Missouri Miner. Of the amount of dues \$2.00 shall be retained by the organization, and the remainder turned over to the local section having supervision over the district in which member of the local section resides. In case any member does not reside in a district embraced by a local section this organization shall be entitled to the full amount of dues, other than the subscription to The Missouri Miner. Dues for Life Membership shall be \$50.00, including a ten-year subscription to The Missouri Miner. The fiscal year shall be the same as the calendar year.

Article 5.—Amendments.

The By-Laws may be amended by a one-half vote balloted as set forth in Article 6 of the Constitution.

Article 6.

Roberts' Rules of Order shall govern conduct of all meetings which may be held.

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