



20 Nov 1922

The Missouri Miner, November 20, 1922

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Dr. Hulton

THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 9, No. 12.

Monday, November 20, 1922.

Price, 8 Cents.

MINERS 6; JAMES MILLIKIN 6.

DR. L. E. YOUNG LECTURES.

Former Director of M. S. M. Gives Description of New Mine at Duquoin, Ill.—Meeting Under Auspices of Mo. Mining Association.

Thursday morning at eleven o'clock all Juniors and Seniors had the pleasure of hearing Dr. L. E. Young, formerly Director of M. S. M., and now President of the Union Colliery Co., of Duquoin, Ill., give a brief description of the new mine of the Company. While the subject was particularly interesting to coal miners, Dr. Young pointed out during the course of his lecture, the general engineering problems involved, and made the lecture one very worth while for any engineer. This meeting, altho open to all Juniors and Seniors, was a part of the yearly program of the Missouri Mining and Metallurgical Society. It was the second technical meeting of the year.

Dr. Young started his lecture with a brief discussion of Illinois coal and coal fields. He said that, first of all, the mine site and coal field was selected with the purpose of being able to mine other veins of Illinois coal than No. 6, which is the largest and the only one now commercially practicable. He said, however, that the time will soon come when, because of the exhaustion of No. 6 seam, the mining of No. 5 seam, which is but very little deeper, will be commercially practicable. The mine at Duquoin has at present production rate, 25 years of No. 6 coal in sight.

The mine and equipment were designed by Allan and Garcia, of Chicago, and represent the very latest in coal mining. All the new Illinois coal mining laws are strictly adhered to. The shaft and tipples are of concrete and steel, a strictly fireproof construction. An 11-ton skip is used on the hoist, contrary to all former practice. It has been argued that dumping coal to a skip would break it excessively, but this has not proven to be the case.

Five-ton cars are used underground. They are equipped with Hy-

CHANGE IN GOVERNING MACHINERY OF STUDENT BODY OF M. S. M. CONTEMPLATED.

Committee Reports Plans for Student Senate.

The committee, consisting of one man from each fraternity and club, and from the Independents, which was called by Prof. Armsby, Student Adviser, for the purpose of discussing the political situation here at M. S. M. has, after much discussion and long daawn-out work, finally reported for a plan which they believe will do much toward eliminating the existing political friction in school. The plan calls for a Student Senate, the constitution of which is now undergoing a referendum vote of the different fraternities and clubs. Some minor changes are being made, but in the main the plan is meeting with approval.

In brief, the constitution calls for a Student Senate, which will be made up of a representative for each class from each club and fraternity, and a representative for each class for each twenty-five men or major portion thereof. The presiding officer is to be the Student Advisor. This Student Senate is to make nominations for all officers of the Sophomore, Junior and Senior Classes, the Student Council and the Athletic Association. The Senate will also have charge of these elections. Elections will be by secret ballot in regular polling places.

It is expected that all the details will be completed and approved before the end of the semester.

"FAIR AND WARMER."

At the trials held by the M. S. M. Players last Tuesday night a competent cast was selected to produce "Fair and Warmer," the Player's first production of the year, which will be staged on Saturday, December 16, for the benefit of the M. S. M. Boosters' Club.

The cast includes three members of the Players, and five non-members,

MAKE TOUCHDOWN IN TWO MINUTES IN SECOND HALF.

The Miners battled the James Millikin eleven to a tie score last Saturday, after outplaying them for three quarters. The muddy condition of the field made made spectacular playing an impossibility, with the exception of the forward pass, which both teams used quite successfully.

Coming back to early season form the entire Miner eleven functioned perfectly, and played a game of which we are all proud. Millikin's touchdown came early in the first quarter, after a Miner fumble and a few line bucks. During the remainder of the game they did not come within the Miner danger zone but once, and that was due to an unlucky exchange of punts, the Miner punt bouncing outside after twenty yards.

The first half was exceedingly hard fought, with honors about even, but the second half was the Miners' throught. Fighting harder than ever before, the Miners came back after the kick-off for two first downs, and then Zook caught a forward pass from McEride for a forty-yard run and a touchdown. Parkhurst's place kick was blocked. During the remainder of this period the Miners literally played the Millikin team off its feet, and would have scored had it not been for the interception of several passes at critical times.

It would be useless to try to state just who starred. To determine the stars look at the line-up. Twelve of them entered the game during the four periods, and twelve of them starred in such a manner that we are proud of all of them. Such fighting plunging, kicking and tackling has not been witnessed many times this year, and every Miner's heart was filled with gratitude and fight for the team. Pep ran high, and they worked together, for an end that needs no alibi, or regrets. We won in fight, and have a team now whose spirit will never die.

Rose, Harper and Sellers were per-

Continued on Page Eight.

Continued on Page Six.

Continued on Page Two.

SPORT

MINERS VS.

TENNESSEE DOCTORS.

The final game on the Miners' schedule will be played November 25th at Memphis, Tennessee, against the strong University of Tennessee Doctors. This is somewhat of an inter-sectional game, and is attracting considerable attention. The Doctors have one of the strongest aggregations that has ever represented their school, and have so far gone through the season undefeated. This is the first time we have ever engaged in athletics with them, and the outcome will be looked forward to with much interest.

MAKE TOUCHDOWN IN TWO MINUTES IN SECOND HALF.

Continued from Page One.

haps the best players on the Millikin eleven, at least their work was the most noticeable.

For the Miners, Ledford, McBride, Sargent and Hoover were the sensations of the backfield, and in the line Zook, Parkhurst, Hopkins, Commack, Watkins, Zoller and Crutcher were the fighters. We are proud of them, and the man that made them—Coach McCollum.

Summary.

Sollers kicked off, and after failing to make first downs McBride punted. Millikin was held for downs, and the Miners returned a punt to the 30-yard

line. Ledford and Sargent made 4 yards, and a bad pass caused Sargent to fumble on the fourth down. Millikin recovered on the 11-yard line. Simpson and Harper made 10 yards, and Partman carried the ball for a touchdown. Sollers failed to place kick.

Smpson returned Parkhurst's kick-off to the 35-yard line. Zoller and Zook prevented a gain, and Sollers punted to Ledford on the Miners' 30-yard line. Returned 17 yards. Hoover lost 14 yards on a fumble, and McBride went to right end for 18 yards. Sargent gained 3 yards at left tackle, and McBride punted out of bounds on Millikin's 35-yard line. Watkins and Gabler prevented a gain thru the line, and Welcome recovered a fumbled punt on the Miner's 30-yard line. Millikin suffered a 15-yard penalty for holding, and Sollers punted over Miners' goal line. Ledford and McBride gained 4 yards, and McBride punted 30 yards to Rose, who returned to the 50-yard line as the quarter ended.

Second Quarter.

Simpson passed to Welcome for 35 yards, and Rose gained 7 yards on a line play. Simpson failed to complete a pass over their goal line, and the ball went to the Miners on their goal line, and the ball went to the Miners on their 20-yard line.

Ledford gained 2 yards at right end, and McBride punted out of bounds on Miner's 35-yard line. Rose gained 4

yards thru guard, and Sargent stopped Harper on two tackle bucks. Sollers punted out of bounds on the Miner 10-yard line. McBride returned punt out of bounds on Miners' 26-yard line. Rose gained 6 yards at right end, and McBride intercepted a pass on 15-yard line, returning 10 yards. Sargent and Hoover made 7 yards at center on delayed buck, and McBride punted out of bounds on Millikin's 36-yard line. Harper gained 7 yards at right guard, and passed to Partman, who ran to the Miner 20-yard line. Simpson and Partman gained 10 yards thru line. McBride stopped Harper for a 3-yard loss, and Ledford intercepted Sollers' pass on the 5-yard line. McBride punted 30 yards to Rose, who returned 6 yards. Sargent intercepted Sollers' pass on the 12-yard line.

McBride punted to Simpson on 32-yard line, where he was stopped by Watkins. Two Millikin passes failed and Sollers passed to Harper for 20 yards, as half ended.

Third Quarter.

Sollers kicked off to McBride on 20-yard line. 20-yard return. McBride gained 6 yards at center, and Ledford passed to Watkins for 8 yards. Hoover and McBride gained 4 yards at each tackle, and McBride passed to Zook, who ran 40 yards for a touchdown. Parkhurst's place-kick was blocked.

Sollers kicked off to Zook on 25-yard line. 10-yard return. Rose intercepted McBride's pass on the 46-yard line. Zoller stopped Harper for 2 yards loss. Sollers pass failed, and another was intercepted by Ledford on Miners' 20-yard line. Hoover gained 10 yards at center, and McBride passed to Watkins for 4 yards. Rose intercepted McBride's long pass on Millikin's 45-yard line. Welcome gained 3 yards at left end, and Miners suffered a 5-yard penalty for off-side. Three Millikin passes failed. Ledford returned Sollers' punt to 10-yard line for 8 yards. Hoover and McBride each made first downs. Hoover gained 5 yards off right tackle. Ledford's pass was intercepted by Sollers on the 5-yard line. Parkhurst stopped Harper, and Sollers passed to Simpson for 25 yards. Sollers failed to complete pass over goal line. Miners' ball on 20-yard line. Sargent and McBride each made 4 yards thru center, and Sargent punted to Milliken's 20-yard line, where Parkhurst and Watkins stopped Harper, who attempted a return. Sollers punted to

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SECTION

Ledford on 50 yard line. McBride gained 2 yards at left tackle, and Miners were penalized 15 yards for holding. Hoover gained 30 yards at center. Sargent gained 20 yards at right end, but was called back because of a 15-yard penalty for holding. Ledford and Hoover gained 4 yards, and Sargent punted over goal line. Harper gained 11 yards at center, as quarter ended.

Fourth Quarter.

Crutcher and Zoller prevented a gain by Harper at center. Harper and Partman made two first downs, and Milliken was penalized 5 yards. Three of Soller's passes failed, and he punted over the Miner goal line. Ledford gained 6 yards at center, and Hoover 1 yard at right tackle. Sargent punted to Millikin's 38-yard line and Millikin was penalized 5 yards. Harper carried the ball to the 50-yard line on an end run. Harper made first down by hitting each tackle. Sollers' pass failed, as Millikin was penalized 5 yards. Harper's pass was intercepted by Zoller on Miners' 30-yard line. Hoover and McBride gained 17 yards thru line, and Sargent added 5 yards at right tackle. McBride's pass failed, and he and Hoover

made 10 yards thru right side of line. Ledford passed to Watkins for 5 yards. Rose intercepted a pass on Millikin's 20-yard line. Parkhurst tackled Harper for a loss, and Sollers punted to Ledford on Miners' 45-yard line. 10-yard return. Hoover made 6 yards at center, Ledford passed to Watkins for 3 yards, and McBride made 2 yards at center. Ledford made 6 yards thru left guard, and Welcome intercepted McBride's pass on the 40-yard line. Harper lost 1 yard at right tackle, and Sollers passed to Bowman for 15 yards. Sollers passed to Welcome for 10 yards. Sollers failed to complete three passes as game ended.

Line-up:

Miners.	James Millikin.
Zook.....r. e.....	Bowman
Hopkins.....r. t.....	Sollers
Commack.....r. g.....	Weillepp
Zoller.....c.....	Maxwell
Gabler.....l. g.....	LaCharite
Parkhurst.....l. t.....	Carp
Watkins.....l. e.....	Welcome
Ledford.....q.....	Harper
McBride.....r. h.....	Rose
Hoover.....l. h.....	Simpson
Sargent.....f. b.....	Partman

Referee: Sihler, Washington;
umpire, Krause, Washington; linesman, Thornberry, Miners. Substitutions: Miners, Crutcher for Hopkins.

Millikin: Schulenberg for Weillepp; Sipher for La Charite; Griswold for Simpson. Time of quarters, 15 minutes.

CENTRAL DEFEATS MINERS.

The Central Eagles defeated the Miners, 15 to 40, in the annual cross-country run, which was held Friday at Fayette. The first five, seventh and ninth men to finish were Central runners, while Foster and Hazelwood, of the Miners, finished sixth and eighth, respectively. The best time made was 32 minutes 25 seconds. The course was very muddy, due to heavy rains, and it also rained during the meet. The Central runners were provided with spiked shoes, which enabled them to keep their footing on the muddy roads. The Miners had the regulation shoes. The best time made at the meet was 4 minutes slower than the best time made at the trials for the Miner team, which were held a week ago. This was due to the awful conditions of the course, and the fact that their course is somewhat longer than ours. The Miners and the Eagles were the only teams entered. The other schools which were expected to enter failed to send teams.

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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.

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WHY?

We wonder why it is that all the Profs pick out the same day for giving their quizzes. It seems as if they do not stop to think that those quizzes require some preparation if the student is to make a creditable showing in his work. These quizzes are very important, too, for in many cases the month's grade depends upon the grade made on the quiz.

We wonder why the Profs. cannot give the student a little more consideration, and at least try to schedule quizzes so that all the work will not come in one evening. For no matter if a person has kept up his work, a quiz always entails a review. We might venture to suggest that the system employed last year, that of scheduling quizzes thru the Student Adviser's office, be again put into operation.

AN UNREASONABLE REQUIREMENT.

This year the office passed a rule requiring all work missed because of football games must be made up on Saturday afternoons. That does not seem sufficient to the Geology Department, which has informed the mineralogy students that the work missed Armistice Day, and what will be missed Thanksgiving must be made up by coming some evenings from 4 to 6, if no other way.

It is all right to hold a student re-

sponsible for work missed because of a football game, but to expect him to make up work missed because of a national holiday is ridiculous. Other departments are making allowance for this time which is lost. The chemistry department, for example, has taken some of the least important work off of the schedule. A lot of the things that the mineralogy classes are studying now will be taken up in courses later on, and might easily be omitted.

Choice of a Career

From the Yale News

THE NINETY-FOUR

Someone, probably an insurance agent, was quoted recently as saying that from the mass of one hundred college graduates one individual only rose to the Polo and butler class, perilously near the top of the financial ladder. Five others became comfortably off and found themselves after twenty years at the small yacht and chauffeur stage. The other ninety-four presumably congregate in the great section of the American people who drive their own Buicks to the golf club. In other words, dreaming about being a rich man is one thing, and making the grade is "something else again."

Yet the ninety-four presumably work just as hard as the sumptuous six. Their business is the axis on which a small and uninteresting world revolves. They have become devotees of the dollar and when that fickle deity deserts, have nowhere else to turn. Jammed in a dull, straight rut of business they can never leave the road and jump the fence into finer fields of life. This, then, is the portion of ninety-four men out of every hundred now on the campus.

The answer to the problem lies in the proper choice of a career.

Between now and Commencement we shall have something to offer on the subject of "Careers." Watch for the space with the Famous Signature.

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We hope the department will see that asking students to make up work missed because of holidays is unreasonable, and will arrange to lessen the work, as other departments are doing. Surely there is no reason to believe that the work of this department is so important or pressing that it will bear of no interruption from any source. There is such a thing as a Prof. taking his work too seriously, and we believe this is one case in point.

ALUMNI NEWS

(Editor's Note.—This is the first of a series of biographies of alumni who have gained prominence in their work.)

Herbert R. Hanley entered M. S. M. in the fall of 1897, and was graduated in 1901 with the degree of B. S. in Mining and Metallurgy. For a time he served as an instructor in the chemistry department. In 1918 the degree of Metallurgical Engineer was conferred upon him.

His first position after leaving school was with the Bully Hill Copper Mining and Smelting Company. Mr. Hanley was later connected with the United States Smelting, Mining and Refining Co. He has since been with the Electrolytic Zinc Co., of Australia, along with Mr. W. R. Ingalls. Until recently he was a consulting mining and metallurgical engineer, with his offices at Bakersfield, Calif.

The most important part of his career to the students of the Missouri School of Mines will begin next January, when he will take up his duties as Associate Professor of Metallurgy here. He was only recently appointed to that position, and will be here in December. Next semester he will

be in charge of the courses in senior and electro-metallurgy. With his broad experience, Mr. Hanley will certainly prove to be a big asset to the Missouri School of Mines.

POSITION AVAILABLE.

Ozark, Missouri, November 15, 1922.
Prof. Geo. R. Dean,
Rolla, Mo.

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Continued from Page One.

indicating an increasing interest in this organization. The leading parts have been assigned to Miss Bertha Fulton, who made such a "hit" as the French Countess in "It Pays to Advertise," and to J. P. Bryan, who will be remembered for his excellent work in the character of the minister, in "Facing the Music" last year. J. P. Gordon carries a smaller part in the play, in addition to assisting "Doc" Armsby with the direction.

The new faces on the stage will be Miss Helen Underwood, Miss Eleanor Howerton, and Messrs. L. Thomy, E. T. Campbell and F. Jankosky, all of whom give promise of measuring up to the standards of the Players.

The cast is working hard on what "Doc" Armsby, who has directed all the productions of the Players, calls the best play the organization has undertaken, and the performance on December 16 promises to surpass any previous effort of the organization.

AN APPRECIATION.

The Junior Class takes this opportunity to thank all those who contributed in any way to the success of their dance, held on Saturday night. Besides the Juniors who took the tickets, operated the check room, and worked in "Dinty Moore's Hot Dog Palace," there are, deserving of special mention: Messrs. V. L. Whitworth, R. T. Muench, J. M. Wasmund, A. W. Naylor, Jr., N. Faulkner and J. R. Kuhn, who so capably produced music of unsurpassed quality, and Messrs. Holfelder, R. F., and J. H. Grady, who made possible the novelty effect of the dance by their willingness to give an exhibition of swimming and diving feats during the intermission.

FRESHMAN NOTES.

The Class of '26 held a special meeting Friday evening, Nov. 17, in Norwood Hall. The purpose of the meeting was to get men to come out and train for the inter-class track meet to be held on Dec. 9th.

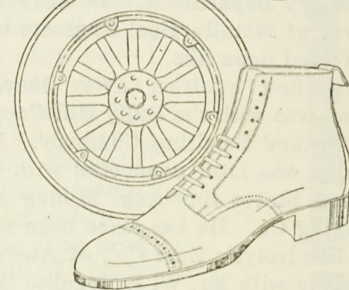
A date was also set for the Freshman smoker, and a freshman basketball team was organized.

MIGHT HAVE HELPED.

"Don't talk to me about colleges!" scoffed the self-made man. "Look at me! Do you suppose I would have been any more successful than I am if I'd had a college education?"

"No," admitted the professor, "but you might have been less inclined to BRAG about it."

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VOCATES.

Co-ordinator Ragle was called to
Springfield on official business.

The Santa Claus gang were on the
job again Saturday buying magazines,
thereby contributing to the worthy
cause of Liberal Arts Education.

Chester Campbell, Vocate Class
President for two years, is a patient
in the hospital in St. Louis. Campbell
has many friends here who hope for
his speedy recovery.

"Jcker" Clearman is still a patient
in U. S. V. B. Hospital at St. Louis.
The latest report is that he will un-
dergo an operation soon.

Berry, one of our foremost social
lions, is leading a secluded life the
past few weeks. At least he is not
playing the prominent part in the so-
cial life of Rolla that he did earlier
in the season.

Miss Sander informs us that there
will be some real news for this col-
umn before the Christmas holidays
begin. Of course we do not know for
cert in what the news will be about,
but the alert will have little difficulty
prophecying the title of the article.

Those who were on the streets last
Saturday afternoon immediately after
the football game had the opportuni-
ty of witnessing Jim Gregg chauffeur-
ing one of the latest models in human
motor driven vehicles. Jim was a bit
nervous at first, but soon received
great moral support, and became
more steady. Like steering all other
four-wheeled vehicles, it takes experi-
ence and practice to become efficient
in steering a vehicle like the one men-
tioned above, and we believe from
the conscientious effort that Jim put
forth he will become an expert.

E. PLURIBUS ONION—**TOROS Y AJO.**

Fayette, Mo., Nov. 18.—The silver
lining for our defeated cross-country
team showed up when "Spike" Dennie
won an argument over an order of
onions in a New Franklin restaurant
—thus saving the Athletic Associa-
tion fifteen cents.

DRY FIELD AFTER RAIN.

All was peace and amity at Satur-
day's game. The Miners shared hon-
ors with Millikin. Sobriety reigned
supreme. And, our Student Advisor,
properly proud, passed candy person-
ally among the parched pupils in the
arid arena. Sugar, they say, is a
good substitute; and a good substi-
tute incidentally saved the game!
Thanks, Doc.

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Continued from Page One.

att bearings, and a combined spring-and-swivel coupling, so that the cars may be weighed and dumped without being uncoupled. Two men do all the work of weighing, dumping and switching at the shaft bottom.

Owing to a severe lack of water the mine is completely electrified steam is used only for heating wash water and as a reserve supply of power. The electric service is of sufficient regularity to never compel the use of the reserve.

The Union Colliery Co. is owned by the Union Electric Company of St. Louis. The purpose of this mine is to supply the steam power plant of the Company in St. Louis. As this plant uses only screenings, of which the coal is mined runs 50 per cent, half of the coal mined is sold on the open market. Consequently the screened coal is graded and sorted, and that necessitates considerable equipment.

The mine can easily handle 1000 tons per hour, but at present it is operating on about one-half hourly capacity, and only two days per week, due to a shortage of railroad cars. At present the company is forced to buy 5,000 tons of screenings per week to supply the Union Electric.

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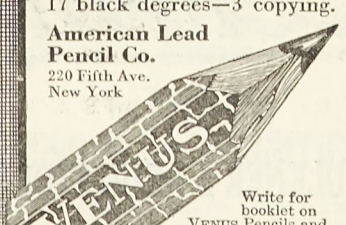
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T. P. Walsh, '17, '20, Coast Defense Education and Recreation Officer at Fort Mills, Philippine Islands, writes of the educational work being done by the army. "The commencement exercises of our Vocational Training School were held on October 19th. The president of the University of the Philippines delivered the commencement address, and the commanding general made an address. I used an old commencement program of the School of Mines as a sample. Four hundred and ninety men received certificates of proficiency in some twenty-five courses. The next session begins on November 1st, and will be given principally for the sixteen hundred new Filipino soldiers assigned to Coast Artillery. The school has been very successful thus far."

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