



19 Nov 1923

The Missouri Miner, November 19, 1923

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Dr. C. H. Fulton
M. S. M.

THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 10, No. 13.

Monday, November 19, 1923.

Price, 8 Cents.

MINERS 13, DRURY 7.

The Miners engaged the Drury Panthers in their den Friday, and tamed them to the tune of 13 to 7. It was a stiffly contested battle between the Miners and the Panthers both teams fighting every inch of the way from the time of the opening whistle until the gathering shadows of dusk of the cold November afternoon began to fall, and the game was an end. It was sweet revenge for the Miners, this victory over Drury, and it wipes out entirely the bitter reminiscences of the defeat of last year.

The Miners began the game with a sweeping offensive that carried them to a touchdown shortly after the opening whistle. Drury seemed content to play a defensive game during the first half, and held the Miners in check as much as possible. They opened up in the second half however, and especially in the last quarter, by mixing end runs with a forward passing attack that carried the ball from their own 20-yard line across the Miners' goal line.

Several times during the game the Miners had the ball inside of the Panther's 15-yard line, but were not able to put it across. The Miners had the ball on Drury's 4-yard line when the final whistle blew, and halted a drive that was destined for a touchdown.

Gabler's punting was one of the features of the game. His long spiral kicks pulled the Miners out of dangerous positions on several occasions.

Zoller played an excellent game at center. His fight and steady playing were potent factors in the Miners' victory. Just when Drury seemed to be pressing the Miners the hardest, Zoller's spirits were at their height. Time and again he spotted plays for little or no gain.

Kemper put up a stellar game at end, but he was handicapped in a large manner, owing to the fact that he had two men on him during the entire game.

Modoff performed in brilliant style at half back. He smashed the line

Continued on Page Four.

"GOLD MADNESS" AT ROLLA'S THEATRE TUESDAY, NOV. 20.

Co-operating with the Junior Class, the management of Rolla's Theatre will present Guy Bates Post, supported by an all-star cast, including Cleo Madison, Mitchell Lewis and Grace Darmond, in that romantic melodrama of high life, which was recently released under the title of "Gold Madness."

All of the suspense and heart throb which made James Oliver Curwood's magazine story, "The Man From Ten Strike," so absorbing and widely read has been transferred to the screen. Not only does this ambitious photoplay boast of coming from the pen of one of the most noted authors of modern times, but also of being the starring vehicle of one of the most noted actors of the American stage and screen, Guy Bates Post.

The story of "Gold Madness" begins in San Francisco, but the location shifts to the frozen Northland, and it is here that the gripping climax is reached.

As was stated above, the management of Rolla's Theatre has been good enough to offer the Junior Class a percentage of the profits derived from this picture. For this reason, and for the reason that the picture is one of the best that Rolla people have had an opportunity to see for a long time, it is sincerely hoped that townspeople and students alike will turn out and help to fill the house.

The admission will be thirty-five cents per person. REMEMBER, TUESDAY NIGHT, NOV. 20.

SPECIAL NOTICE.

There will be an important meeting of the Miner Board on Tuesday evening at 7:15.

All members of the Staff, and all those trying out for the Board, are urged to be present, as matters of supreme importance are to be discussed.

A RESUME OF THE EMBRYO BUM'S TRIP.

During the time that elapsed when classes were dismissed on Thursday until the whistle blew which announced the beginning of the noble victory over our time honored rivals, Drury, all modes of transportation from Rolla to the scene of the grid-iron battle which ensued were crowded to capacity. Those who were unfortunate enough to be blessed with little or no money were forced to follow the Quo Vads in true tramp style, and, of course, encountered the usual hardships which are wont to prevail upon these mob pilgrimages.

The atmosphere in and about Newburg was unwarranted, according to many of these would-be hoboes, and the direct result of the diligence shown by the railroad police was a series of arrests in which about ten disappointed Miners were "jugged." Joe Reid left his comrades at this juncture, and his Q. V. cronies proceeded, without their temperamental leader, to their ultimate destination without further mishap.

On the return trip "Cy" Siefert and Mike Mills seemed to have a craving for a new route to Rolla, and they, along with the five Freshmen whom they were instructing in the gentle art of bumming, hopped the Florida Special out of the Springfield station and journeyed all of 40 miles before the fireman convinced them in true railroad fashion that Rolla could not be reached by the train upon which they were slumbering. After such ill luck these shieks of the chemin d'fer arrived again in Springfield with a craving for other hardships. They got it at Lebanon, and the torment of hell is but child's play when compared to the trials and tribulations these undesirable pilgrims were forced to undergo. In spite of all, however, they arrived a famished crew, and as a direct result of the episodes which happened upon this memorable expedition they have lost the support of at least three freshmen from their ranks if further exploits are needed to qualify them as flesh and blood bums.

CAIRNS WINS POOL TOURNAMENT.

"Buddy" Cairns defeated Ches. Spradling in the finals of the Junior Class pool tournament, with a score of 300 to 201. By so doing he won the suit of clothes which was donated to the class by the Heller Clothing Co. Spradling, as second man, won the sweater contributed by H. & S. Steen coming through with third honors, was awarded the hat, which was donated by Harry Witt, and also by having the high run of twenty-nine balls he acquired the pair of shoes given by the Schuman Co. Warren Smith, with fourth honors, received the silk shirt furnished by Asher Brothers.

The pool tournament as a whole stirred up no little amount of interest. Every now and then a dark horse would come to light, sparkle for awhile, and then fall to defeat before the four champions. There were some sixty-five contestants in the fray. Handicaps were arranged in such a manner as to give each contestant a fairly equal chance.

The greatest individual honor, however, was awarded to "Red" Hopkins. "Red" justly deserved to win the "leather medal" on account of the great number of miscues made in a single game at the opening of the tournament.

The Junior Class wishes to thank all those who entered this tournament for their support and hearty co-operation in helping to swell the ever-needy coffers of this class towards the St. Pat's expenditures.

MAKING AND TESTING NEW EXPLOSIVES.

There is a demand for an explosive that will be safe and efficient as a detonator. Many compounds are made and their method of manufacture and use patented without giving sufficiently accurate information to protect a user of the patent. In this connection, the explosives testing laboratory of the Bureau of Mines has determined the properties of cyanuric triazide and normal lead trinitroresorcinate, two new explosives in the market.

De MOLAY NOTICE.

There will be an important meeting of the DeMolay this Tuesday night at 7:30. A surprise is to follow the initiation. All DeMolays and Masons are invited.

A man who refuses to let a woman talk is absolutely heartless... GOLDEN MADNESS.

WRESTLING TEAM HAS EXCELLENT PROSPECTS.

The wrestling team is fast being rounded into shape by A. W. Walker, captain, and Coach McCandless, of the team. So far only the lighter weights are represented, but after football season the heavier weights will be filled by men from the football squad. A very heavy schedule has been arranged, and it is up to us to give our heartiest support to the team, in order to keep up the good reputation which was established last year.

Our first meet is with Missouri U., Jan. 8, at Rolla. Meets have been arranged with Washington U., Ames, Okla. A. & M., and either, or both, Oklahoma U. and Kansas U. Captain Walker reports that the Coach at Drury promises us a meet if they have a team.

Men now trying out in each class are:

115-lb.: A. W. Walker, captain; Jimmy Crawford and Clark Easley.

125-lb.: This class is filled with good men, who are showing strong competition for their places: C. L. Martin, W. S. Wright, W. F. Fruit, J. B. Gloekler, Paul Ost. Martin and Wright are showing up (especially well in this class, and much is to be expected from them. Martin received some valuable training this summer at the R. O. T. C. Summer Camp, and is making good use of it now.

135-lb.: Richardson, last year's representative of this class, may return to school next semester, which will add greatly to the team's success. The coach would like to see more men out for this class. L. S. Howald, D. Craig, H. W. Seifert, Ned Foster, F. J. McGraw, Chalky Holman.

145-lb.: The men in this class are showing up good, especially Schram, who was one of the mainstays of the team last year. H. O. Schram, S. Craig, Chas. Brown, K. A. Ellison.

The Freshmen on the team give promise of making a team "hard to head" in the future years, and should endeavor to uphold or even break the records which have already been made.

An exhibition match may possibly be held the latter part of December to stimulate more interest in the M. S. M. wrestling team. Plans are under way to get Carl Fisher, world's champion light weight, and several others, to give an exhibition match in Jackling Gymnasium, and charge a small admission fee, with which to pay their expenses.

With the present plans and meets under way, let's all get behind the team and persuade all who can to try out for it. The classes are: 115 lb., 125-lb.; 135 lb., 145 lb., 158 lb., 175 lb. Three pounds overweight are allowed in each class, so pick your class men, and come up to the Gym any night from 4:15 to 5:45, and report to Walker for instruction.

WHO'S WHO.

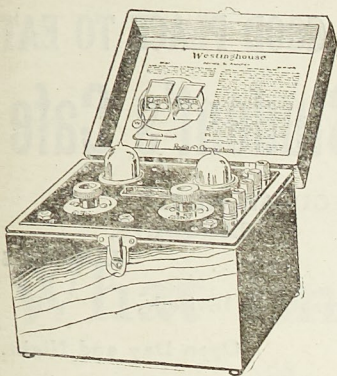
For several weeks a certain member of the memorable class of '23.5 has anxiously scanned the columns of this paper seeking a Who's Who upon himself which he had been made to believe was to appear. As we always strive to please, and since he will not be with us after Christmas, we will give him him long-looked for publicity.

Although a veteran smoker, "Mootch" Cathcart was only known to buy cigarettes once, and that was at a fire sale last winter, where he bought a carton of water damaged Camels. When there is no one around from whom he can bum a cigarette, he pulls his pipe out and proceeds to pollute the pure, wholesome atmosphere—that is, if some one will furnish the tobacco. Outside of having a match now and then, all "Mootch" has is the habit.

"Mootch" was shift boss at the mine until it closed down, and it has been rumored that it was thru his poor management that the profits became so low that the owners decided to shut down temporarily. Some people have wondered if he would follow engineering or plumbing after he left school. One of his worst faults at the mine was, that every time he got his hands dirty he would pull a rag out of his pocket and wipe them. He would have to carry a bar of Sapolio if he were a plumber, so the evidence points weekly to his being an engineer.

Cathcart is also called the "Skipper." The origin of this name is not known for certain, but a good explanation of this title is that he skips out to Denver frequently to see the author of his daily dozen or more pages. No one knows exactly what those bulky letters contain, due to the fact that they are always opened behind closed doors.

"Mootch" did himself proud this year in athletics, and only missed an "M" in rubbing by one calf. It was good training which he received, and if neither mining nor plumbing agree with his constitution he can get a job in a turkish bath some time in the near future.



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age doesn't improve with whiskey.

"In 2023 women will dress like
men," says Prof. Lowe. "But they

will take longer to do it."

—Ideas (London)

One grid iron king: "I see you're
trying out for Blue Curtain Dramat-
ic Club, Bill. Had any experience?"

Second Same: "Yep. Had my leg
in a cast once."

—Oklahoma Whirlwind.

To read the list of names of the

team Walter Camp picks, one won-
ders where they get that "All Amer-
can" noise.

"Pa, what's an addict "

"Er—a person who buys a maga-
zine just to read the adds."

—Judge.

"I'd walk a mile for a camel," said
the Arab as he gazed at his dead
horse.

Absent-minded professor, mistak-
ing hair brush for mirror: Hum—
guess I need a shave."

We understand that there is an
organization among the four hun-
dred known as the Lion tamers.
Thru rather indefinite channels it
has been learned that their growl is
"Wa-Hoo!" which, in the language of
the red man, means wrong number,
and their grip is to give the other
fellow the first three fingers of the
right hand. More power to the lion
tamers.

There was a young man from Nan-
tucket,

Who brought home some food in a
bucket.

But he got in a huff

When he looked for his stuff,

And he heard his ma say that his
Pawtucket.

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HARRY R. McCAW

Continued from Page One

and shot off tackle for substantial gains.

Captain Matthews and Fogarty played the best game for the Panthers. Matthews was the backbone of Drury's offensive, and he scored Drury's lone touchdown in the final quarter, after a series of plays had brought the ball within striking distance of the Miners' goal.

PLAY BY PLAY.

First Quarter.

Gabler kicked off over Drury's goal line. The ball was put in play on the 20-yard line. Matthews failed to gain, and Drury punted to Nolen on the 43-yard line. Fisher made 3 yards off tackle, and Tucker circled left end for 15 yards. Nolen and Modoff made 9 yards thru the line, and Nolen made first down on the 9-yard line. Fisher hit the line for 1 yard, and Tucker added 4 yards on a line buck. Nolen went over for a touchdown. Gabler kicked goal. Miners 7, Drury 0.

Drury kicked off to Fisher, who returned the kick 10 yards. Modoff slipped off tackle for 9 yards. Nolen and Tucker made 5 yards on line bucks. Miners penalized 5 yards. A pass was incomplete, and Gabler punted over Drury's goal line, the ball being put in play on the 20-yard line. Decker made 4 yards thru left tackle, but Matthews made only 1 yard thru the line. Drury penalized 5 yards. Drury punted to Fisher. Gabler punted on the first down to Drury's 30-yard line. Fogarty made 5 yards around left end. Two line bucks failed, and Drury punted to Fisher on the Miners' 40-yard line. Tucker lost 1 yard, but made 4 yards on the next try at the line. Modoff shot off tackle for 5 yards, and Gabler punted to Drury's 22-yard line. Decker fumbled, but recovered for 5-yard loss. Fogarty punted to Fisher. Fisher made 3 yards thru guard and Tucker added 5 yards more. Miners penalized 15 yards. Nolen lost 5 yards on an attempted pass. Gabler kicked to Fogarty. It was Drury's ball on the 57-yard line. Kemper picked up a Drury fumble, but was downed after a 3-yard gain. Nolen hit the line for 3 yards. A pass was incomplete. Fisher failed to gain, and Gabler punted 50 yards over the goal line.

Kemper injured his knee, but continued in the game. Matthews made 3 yards, and Tucker stopped Hines for no gain.

Second Quarter.

Ledford threw Hines for a 3-yard loss, and Fogarty punted to Fisher on the Miners' 40-yard line. Fisher made 5 yards thru left tackle. Tucker hit the line for 4 yards, and Nolen made first down. Modoff charged the center of the line for 3 yards, and Tucker went around end for 2 yards. Nolen failed to gain. Fogarty circled right end for 10 yards. Drury penalized 15 yards. Drury punted to Tucker on the 50-yard line. Fisher failed to gain, and a pass was incomplete. Robinson went in for Tucker. A pass, Nolen to Fisher, was good for 15 yards. Nolen made 6 yards on a line buck, and Modoff went off tackle for 3 yards. Robinson made 2 yards, and he added another yard off tackle. Nolen made it first down on the 10-yard line. Robinson hit the line for 4 yards, but Fisher failed to gain. Nolen wriggled thru the line for a touchdown. Gabler missed goal. Miners 13, Drury 0.

Drury kicked off to Nolen, who made a brilliant 30-yard return. Robinson made 6 yards thru the line, and Fisher added 1 yard. Miners penalized 5 yards. Nolen failed to gain. Modoff and Robinson made 5 yards thru the line, and Gabler kicked to Drury's 20-yard line. Fogarty made 1 yard off tackle. Hines made 3 yards thru the line, and Matthews shot off tackle for 6 yards. Hines hit the line for 4 yards. Kemper threw Decker for a 5-yard loss, and Fogarty punted to Nolen on the 32-yard line. Modoff made 3 yards thru the line. Drury penalized 5 yards. Robinson hit center for 4 yards, and Modoff gained 3 yards off tackle. Nolen failed to gain. The half ended with the ball on the 50-yard line in the Miners' possession.

Third Quarter.

Thomas went in for Nolen, Campbell for Ledford, and Player for Modoff. Drury kicked off to Kemper. Player and Robinson made 4 yards thru the line, but Fisher was thrown for a loss. Gabler punted to Drury's 21-yard line. Matthews made 3 yards off tackle. A pass was grounded. Decker hit the line for 3 yards. Gabler stopped Matthews for no gain. Drury kicked to Thomas. Player made 1 yard thru the line, and Robinson added 10 yards off tackle. Thomas 2 yards thru center, and Robinson made first down. Fisher gained 5 yards off tackle, and Thomas made a pretty run around

Continued on Page Nine.

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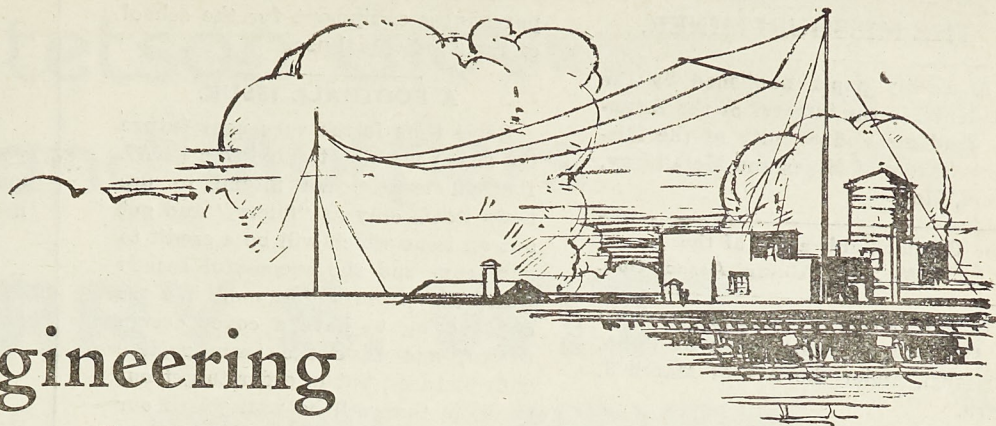
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From An Argument Over
Watches Came KDKA



BACK in the days when wireless was just beginning to spread, Frank Conrad (now Assistant Chief Engineer of the Westinghouse Electric & Manufacturing Company) and another official, happened to compare watches, to see if it was time to go back to work. Their watches differed.

Unable to convince his friend that his watch was right, Mr. Conrad suddenly remembered that the naval station at Arlington, Va., had just inaugurated a system for sending out daily time signals by radio. Just the thing to prove his point!

So he built a simple set of receiving apparatus, erected an aerial, and—you can imagine what happened! He was badly bitten by the radio bug. After proving to his satisfaction the accuracy of his watch, he started experimenting with the transmission of music by radio, with good success.

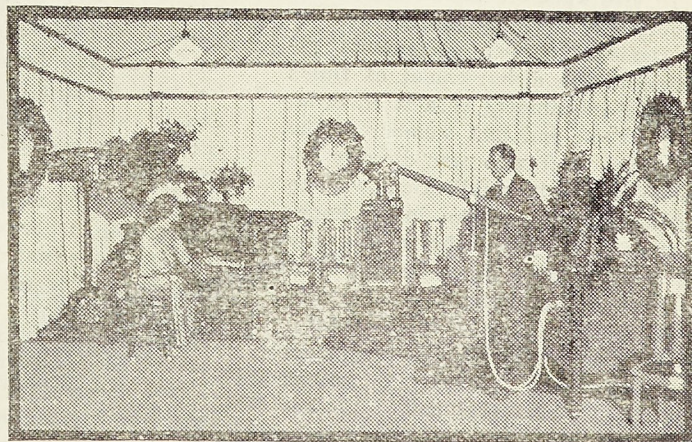
He began sending out phonograph music from his home, and attracted the attention of some of the big department stores, that had installed radio departments. They in turn, started advertising Mr. Conrad's "musical evenings."

Then, one day, upon arriving at his desk, he was summoned to the office of Harry Phillips Davis, Vice President of the company.

Then, one day, upon arriving at his desk, he was summoned to the office of Harry Phillips Davis, Vice President of the company.

"Frank," said Mr. Davis, "I'm going to close your radio station." His attention had been attracted the night before to a simple note in a full-page advertisement, which read, "Mr. Conrad will send out phonograph music this evening."

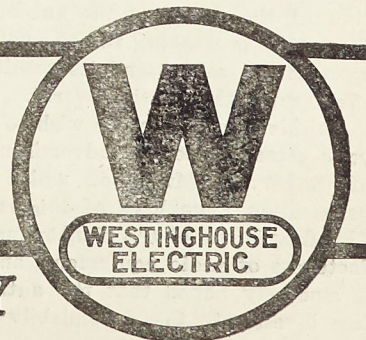
You know the rest. In November, 1920, "KDKA" was formally opened to send out election returns. It had received the first license issued by Uncle Sam. Today over 500 broadcasting stations entertain and educate millions of people each night, a wonderful result from so insignificant an argument as one over watches.



Broadcasting Studio at Station KDKA, Westinghouse Electric & Manufacturing Co., East Pittsburgh, Pa.

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ACHIEVEMENT & OPPORTUNITY



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.

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AN ERROR.

In last week's editorial column of the Miner there appeared, upon investigation, certain statements relating to the disbursement of funds for radio equipment here at M. S. M. The Editor, and that member of the Editorial Staff who was directly responsible for its publication, wish to acknowledge this error, in the hopes that our oversight in this matter may be overlooked by those directly concerned in this article.

However, in spite of the one statement—that of the Electric Engineering Department refusing to accept funds for radio equipment—we believe that the article was very timely in some respects, and well worth publication upon its merit alone, in view of the fact that the author of the article is working for the betterment of his school and its resultant effect upon the outside world.

At this opportunity we wish to call your attention to the advertisement of the W. E. Mfg. Co., which appears upon Page Five of this issue. This firm is one of the pioneer manufacturers of radio equipment, and it is sincerely hoped that the authorities investigate the dependability of the product of our advertisers when

purchasing equipment for the school or their individual use.

A FOOTBALL ISSUE.

Some time in the very near future the Miner is going to publish a REAL football issue. We intend to use news items only as "fillers," and get out an issue which will be a credit to our team and the successful season which they have undergone. We are endeavoring to have a cover design drawn, and have the issue replete with pictures, but in order to get out an issue that will be well worth our while, it is paramount that we get some outside views from the student body.

Altho we already have our tentative plans made out, we are still open for suggestions from all quarters, in the hope that our efforts will not have been in vain.

If you have any suggestions to make, stop the Editor, or any member of the Staff, on the street or any where else, and tell him about it.

Get behind this idea, men, and PUSH it along. The football men deserve it.

You furnish the idea—we'll do the work.

R. O. T. C. OFFICER

INSPECTS UNIT.

Major Peyton, acting officer in charge of R. O. T. C. affairs in the Seventh Corps Area, inspected the unit here last Wednesday. Due to the fact that the weather did not permit an outside inspection, the battalion was formed on the Gym floor, and in spite of this handicap the inspection progressed as smoothly as could be desired. Major Peyton queried several members of the unit, during his inspection, upon various military information much to the chagrin of several Freshmen and Sophomores.

BUY MACKINAWS.

Two dozen dark gray mackinaws were recently purchased by the Athletic Association, and are proving to be a great help to the football players. Altho not as picturesque as the traditional football blankets, the mackinaws are far more serviceable, as they can be worn by the team on trips, where blankets would be out of place, and also can be kept much cleaner.

FOR FIRST CLASS

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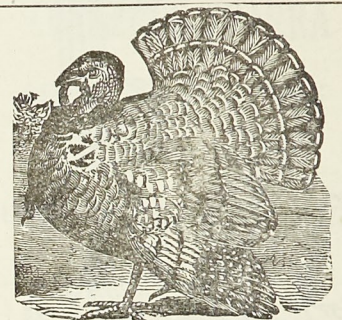
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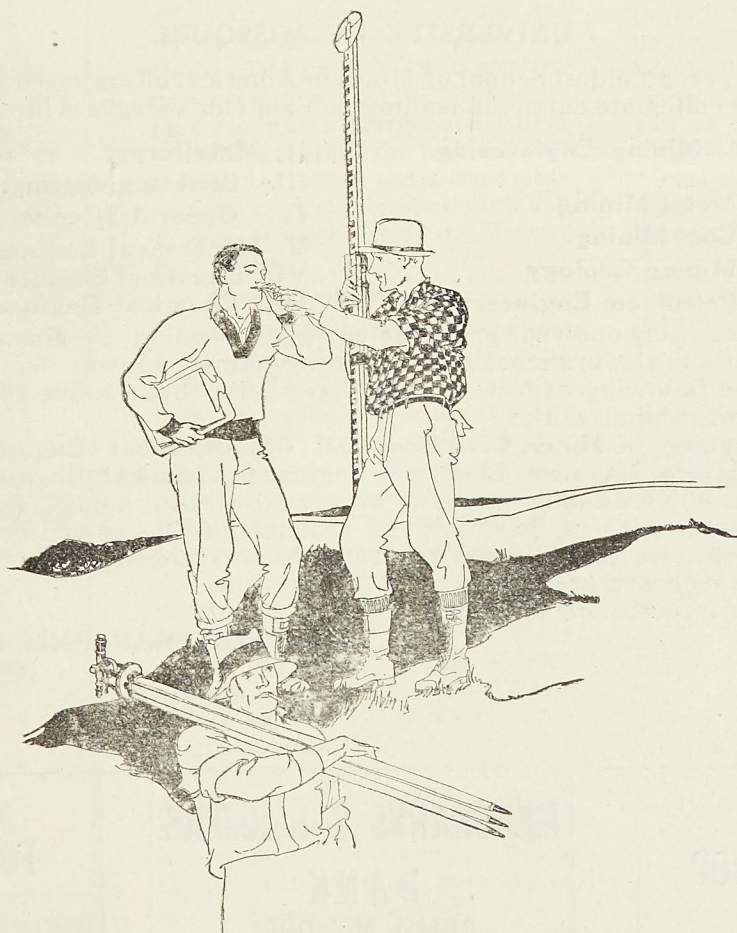
R. O. T. C. DANSANT.

The first social function of the year to be held by the members of the R. O. T. C. will be in the form of a dansant on Saturday evening, Nov. 24th, in Jackling Gymnasium.

Besides a few invited Sophomores, as guests, the dance will be made up entirely from the membership of the Advanced Course, in which are enrolled thirty-three men this year.

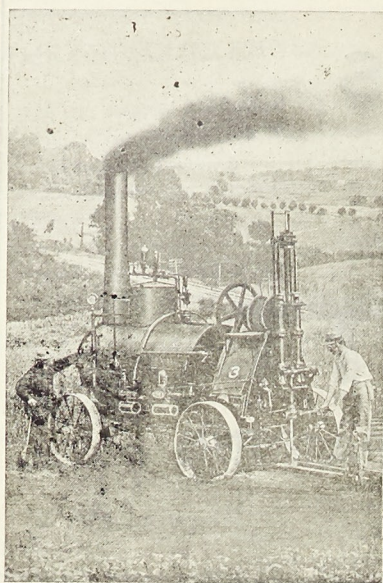
The distinctive type of uniforms

worn by these men will be very much in evidence at this gala affair, which coupled along with the military decorations, will blend harmoniously with the occasion, and tend to make it a credit to the organization.



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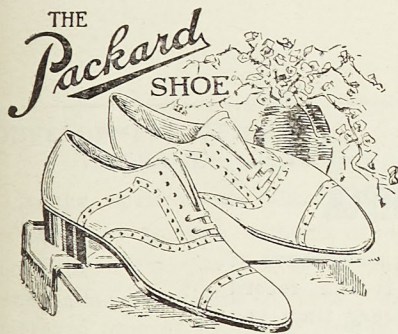
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NESS.**

Continued from Page Four.

right end for 12 yards. Robinson made 2 yards off tackle. Fisher lost 2 yards, and a pass was incomplete. Fisher's attempt at drop kick from the 20-yard line was blocked. Decker made 12 yards on a short end run, and Hines duplicated the play for 10 yards. M. Neil stopped Matthews for no gain. Matthews hit the line for 10 yards. E. Neil stopped a line buck. Matthews broke away for a 15-yard gain. Tucker went in for Robinson. Campbell threw Hines for a 3-yard loss. Matthews failed to gain. Kemper intercepted a pass on the 30-yard line. Player made 3 yards off tackle, and Fisher added 3 yards more. Fisher failed to gain. Kemper injured. Miners penalized 5 yards. Terrill for Johnson. Gabler kicked to Drury's 40-yard line. Fisher made a pretty tackle of the receiver. Matthews made 2 yards thru center. Decker added 3 yards off tackle. Hines went around end for 10 yards. Tucker stopped Matthews. Two passes were incomplete, and Fogarty punted to Thomas on the 20-yard line. Player and Tucker made 5 yards thru the line, and two smashes by Thomas and Tucker made first down. Fisher made 1 yard, and Tucker forward passed to Kemper for 3 yards.

Fourth Quarter.

Tucker and Thomas hit the line for 7 yards, and Tucker made first down on the 15-yard line. Player failed to gain. Two smashes by Fisher netted only 3 yards. A forward pass was grounded over the goal, and it was Drury's ball on the 20-yard line. It was at this point that Drury began their offensive that carried them 80 yards to a touchdown. Two passes were good for a total of 30 yards. Matthews failed to gain thru the line, but another pass was good for 9 yards. Hines circled left end for 32 yards. Ledford went in for Campbell. A line buck failed. Decker made 2 yards. Matthews carried the ball to the 2-foot line, and on the next play he went over for a touchdown. Drury added the extra point after touchdown. Miners 13, Drury 7.

Drury kicked off to Player, who fumbled, but it was recovered by Fisher. Modoff for Player. Thomas gained 5 yards thru the line. Miners offside. 5 yards penalty. Tucker and Modoff failed to gain, and Gabler kicked to Drury's 43-yard line. Hines lost 1 yard, and a pass was grounded. Nolen for Modoff. A

pass was incomplete, and Fogarty punted to Thomas on the Miners' 18-yard line. Tucker made 3 yards off tackle, and Thomas added 2 yards thru the line. Nolen passed to Kemper for 22 yards. Kemper made a pretty catch of the pass by leaping into the air and nabbing it from the two men who were told to watch him.

Tucker and Fisher made 2 yards on off tackle smashes. Nolen gained 4 yards thru right tackle. Nolen made first down on Drury's 42-yard line. Thomas 2 yards thru the line. Nolen passed to Kemper for yards. Nolen went off tackle for 5 yards. Tucker went around end for 2 yards. The Miners fumbled, and Drury recovered. Ledford threw Matthews for a 4-yard loss. A pass was incomplete, but a second one was good for 10 yards. Matthews shot off tackle for 9 yards. A pass was good for 11 yards. Arra for Terrill. Matthews hit the line for 3 yards. Tucker intercepted a pass on his own 40-yard line, and ran 50 yards to Drury's 10-yard line, where he was tackled. Nolen made 4 yards on a line buck. Thomas added 2 yards more. The game ended with the ball in the Miners' possession on Drury's 4-yard line.

Line-up.

Miners.	Drury.
Kemper.....l e.....	Wilson
M. Neil.....l t.....	Neals
Gabler.....l g.....	Carter
Zoller.....c.....	Lockwood
Johnson.....g.....	Taubus
E. Neil.....r t.....	Davis
Ledford.....r e.....	Freund
Nolen (c).....q b.....	Fogarty
Modoff.....l h.....(c)	Matthews
Fisher.....r h.....	Decker
Tucker.....f b.....	Hines

Referee: Ramp (Cincinnati);
umpire: Peters; head linesman:
Foster (Drury).

Score by quarters:

Miners	7	6	0	0	—13
Drury	0	0	0	7	—7

Touchdowns: Nolen (2); Matthews. Goals after touchdown. Gabler (1), Fogarty (1).

Well! Did you enjoy yourself at the party?

Yes. I haven't had so much fun, since grandma caught the front of her shirt waist in the wringer.

A drunk fell down on his way home and cut himself over the right eye. He tried to vindicate himself in the following manner:

Wife: How did you get that scar over your eye?

Drunk: Bit myself.

Wife: Bit yourself. Why, you couldn't reach—

Drunk: 'S all right. Shtood on chair.

ALUMNI.

Men You Ought to Know.

V. H. McNutt, '10, '10, is at Tulsa, Okla. Mr. McNutt took an active interest in welcoming the Rolla delegation at the oil convention in Tulsa last month.

Pietsch, P. H., '20, gives us a Chicago address.

Kasel, R. G., '23, is at Sikeston, Mo., with the State Highway Commission.

Eulich, A. V., '20, writes us from Tshikapa, Kasai, Belgian Congo. He is in charge of a mine for the Companhia de Diamantes de Angola.

Other representatives in far off Africa are: Pudewa, A. G., '12, Hoffman, J. S., '16, R. G. Knickerbocker, '14, and Duncan Smith, '11, Eulich writes us that the work there is interesting and romantic, quite to his liking. All the same, his letter was three months in reaching us.

Elicano, V., '09, is now chief of the Division of Mines, Bureau of Science, with the Philippine Government. Mr. Elicano is doing geology work, and has recently returned from Australia, where he attended the Second Pan-Pacific Science Congress as a delegate of the Philippine Government.

POSTPONE TRACK MEET.

The inter-class track meet between the Sophomore and Freshman classes has been postponed from Nov. 17 to Nov. 24, at the request of the Sophomores, because of the great number of men who journeyed to Springfield, making it impossible for their athletes to be in a fit condition.

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DEVELOPMENT OF NEW HYDRAULIC CLASSIFIER.

In the work on ore classification problems in treating complex lead-zinc ores of the Coeur d'Alene and other mining districts of Idaho, an improved type of hydraulic classifier has been developed by metallurgists of the Department of the Interior attached to the Moscow, Idaho, field office of the Bureau of Mines. It is believed that this classifier is more efficient than any now in use, and that it represents a distinct advance in metallurgical treatment. The new classifier has been tried out on a commercial scale in one of the mills, with the result that a greatly improved grade of classification is being effected. It is believed that table concentrations will be greatly improved when the tables are fed with good classified material. It also appears that with this type of classification, galena and sphalerite may be separated on tables into marketable products, and that much of the fine grinding and difficult flotation treatment of complex lead-zinc ores may be eliminated.

Intense interest in the trial has been manifested throughout the district, and it is expected that many other mills will install this superior

device, and thus improve their products and conserve mineral now lost in the reject.

The fact that there is a great lack of knowledge as to the importance of proper classification of ground ore in preparation for table concentration led to the undertaking of these studies by the Bureau of Mines. Many forms of classifiers are in use, but generally, there is an altogether mistaken notion as to the grade of work being done by the classifier in all sorts of devices are called classifiers, and a variety of procedures in practice are called classification. There is no unanimity of opinion among mill men or investigators as to the relative advantages of a natural-product feed, a sized product feed, and a classified product feed to concentrating tables. However, fine grinding of the entire mill feed is coming to be looked upon as a procedure leading to difficulties and to loss.

CONVERSION OF CLAYS TO ALUMINUM SULPHATE.

In connection with the development of a simple cheap process of preparing pure solutions of aluminum sulphate, work has been undertaken by the Department of the Interior at the Pacific Experiment Sta-

tion of the Bureau of Mines on sulphating clays by various methods. Sulphate roasting, using gases containing varying amounts of sulphur dioxide to sulphate the aluminum silicate of the clays proved impracticable, but favorable results were obtained by treating the clays with sulphuric acid. A wide series of aluminum silicate products was treated at various temperatures with differing strengths of acid. In general, nearly all the silicates were decomposed with fair efficiency at temperatures up to 200 degrees C, and with acids containing 60 per cent to 70 per cent sulphuric acid. The easiest silicate to decompose was bentonite, but many of the kaolins were quite easily attacked. Feldspars are much more resistant.

VOCATE.

E. L. Fipps is in the U. S. V. R. Hospital in St. Louis recovering from an operation for tonsillitis.

"Nig" Brumley has departed for St. Louis, where he will take the Masonic Consistory work.

Albert M. Ray, of Junction City, Kansas, has entered the Highway Engineering Class.

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dio to have them taken before Dec. 15th, if possible. Those having old pictures, and desiring them to be used, are requested to turn them over to any member of the Rollamo Board.

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