



22 Oct 1923

## The Missouri Miner, October 22, 1923

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# THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 10, No. 9.

Monday, October 22, 1923.

Price, 8 Cents.

## DR. FULTON SPEAKS TO TULSA ALUMNI.

By G. E. Ebmeyer.

Mr. and Mrs. V. H. McNutt were hosts to as many of the Miners in and around Tulsa as could be gathered together on short notice by Messrs. McNutt, Kroenlein and Zoller, on Wednesday evening, Oct. 10, at which occasion Drs. Fulton and Dake, and Profs. Dunlap and McKee were the special guests of honor. All of the faculty members were in Tulsa for the big International Petroleum Exposition, which held forth here from Oct. 8th to 14th inclusive.

Dr. Fulton was the principal speaker of the evening, and he outlined a tentative petroleum engineering course at M. S. M., and asked for suggestions from the men present who were in the game as a profession. His talk included a resume of the work done by the school in the last year, and an outline of what is being contemplated in the future. He also outlined a new club house proposition at Rolla, to be sponsored by the Alumni Association. Suggestions offered stressed the advisability of more actual business training to engineering graduates than has heretofore been the case.

Dr. Dake outlined several courses which Prof. Forbes had figured out, which gave the student an option of geology or production engineering as majors in the Mining course.

Prof. Dunlap talked of the Chemistry department and its relation to the refining industry. He also outlined a curricula giving particular stress to oil and gas chemistry.

Prof. McKee told of the work of the Vocational Class, and the really remarkable results obtained in such a comparatively short time, and with the handicaps to be overcome. He strongly urged the immediate installation of a complete drilling rig as additional equipment for the school. His talk was well received, and everybody present realizes that the school has made a "ten strike" in landing "Mc" for the stuff he puts

Continued on Page Eleven.

## INTERNATIONAL PETROLEUM EXPOSITION HELD AT TULSA A HUGE SUCCESS.

Dr. C. H. Fulton, Dr. C. L. Dake, Prof. Dunlap, and E. J. McKee, who have returned from the Petroleum Exposition at Tulsa, report that they were well rewarded for their trip. The exhibits were estimated to be worth over two million dollars. A few of the exhibits were as follows: Life size oil derricks, tools in operation, miniature refining plants, gasoline compression plants, drill presses, lathes in operation, and in fact all phases of the oil business were shown in actuality.

Two parades, each over a mile long, in which floats representing the products of a large number of manufacture of apparatus for use in the oil industry were the marvel of all who saw them. There were so many out-of-town visitors that the hotels were filled the first day, and a great number were taken into private homes.

The Oil Congress, American Petroleum Institute, and the Refiners and Gasoline Manufacturers Association held meetings every morning in which problems of scientific interest were discussed. Representatives from all important foreign countries were present, and were amazed at the progress that has been made in the oil industry here in comparison with their own methods.

The Missouri School of Mines exhibit of Mississippian-Devonian fossils was the only one of its kind, and

Continued on Page Two.

## MINER-JUNIOR HALLOWE'EN DANCE.

When you invite that girl to attend this dance you will be safe in promising her the time of her life. Arrangements are on foot to make it the best ever—with decorations, special music 'n everything. We are counting on a big attendance; so follow the crowd, and expect something big, and we'll guarantee you that you won't be disappointed.

It's a St. Pat's benefit this year. It will happen at Jackling Gym Friday, Oct. 26th, 9 P. M. It will not be a masquerade affair.

## MINERS 0, S. M. U. 35.

Playing before a large crowd that had assembled for Dallas Day at the Texas State Fair, the Southern Methodist University defeated the Miners 35 to 0. The score is a poor criterion upon which to judge the intensity of the game. The teams battled on even terms during a greater part of the game, but old Dame Fortune seemed to smile on the Methodists, and the breaks went their way. On two occasions they intercepted passes that were meant for the waiting arms of a Miner, and raced for touchdowns. A blocked kick which was recovered by a Mustang was good for another touchdown, and their final touchdown was secure by means of a long end run. Two goals from placement added six points, and brought the total score up to 35.

The Miners seemed to lack the fight that characterized their play against Washington University, although at times they presented a defense that was well nigh impenetrable.

## MINERS VS. AMERICAN SCHOOL OF OSTEOPATHY.

The Miners will play the first home game of their 1923 football schedule when they oppose the American School of Osteopathy of Kirksville, Mo., Friday, October 26, on Jackling Field. The Osteopaths come here fresh from their victory over Kansas City University, and confident of returning as victors over the Miners. Their 46 to 0 victory over the Kansas City aggregation clearly shows that in this year's eleven the Osteopaths have a powerful scoring machine.

The Miners are all in good condition after their hard trip, and are confident of chalking up a game in the win column.

Coach McCollum has been shifting the line-up in recent practice, in order to obtain the best possible combination, and when the team takes the field Friday it is not unlikely that an entirely new combination than the one that opened the season against Washington will be seen.

Continued from Page One.

caused considerable comment and

One of the returned men remarked that a student studying engineering, especially geology, should make it a point to attend one of these expositions, as the information gathered is invaluable. This would be a good way for a man to get

This exposition is the first of its kind in history, and the success of this one has given Tulsa the undisputable right to hold one every year.

**Log of Hinderliter and Staples Chicken Farm No. 1 well at International Petroleum Exposition.**

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Sewer	White	Hard
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Beer	Dark	Good
Corn	White	Tolerable
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Jake	Red	Hard
Champaign	Pink	Medium
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7	9	2	
9	20	11	2 gal. per acre.
20	21	1	8 per cent
21	27	10	50-50
27	29		quart 100 per cent.
29	34		2 gal. 60 per cent.
34	40		1 case 102 per cent.
34	40		Shot this depth.

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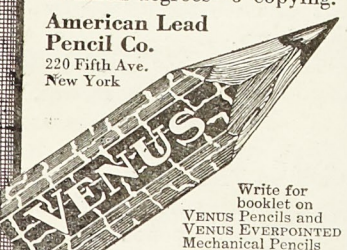
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### WRESTLERS WORKING OUT.

Indications point towards a good wrestling team this year. Quite a few fellows have been working out, and, altho the workouts have been light, they have shown up some promising material. There are candidates out now for nearly all of the light classes. The timber for the heavier weights will not begin work until the football season is over.

Altho nothing is definite about the wrestling schedule, it is expected that meets will be obtained with some of the larger schools. We can be assured that "Spike" Dennie will arrange the best possible schedule.

Any time you have some spare time in the afternoon, go up to the Gym and watch the boys work out.

### TRACK MEET.

Athletic Director F. E. Dennie expects to have a track meet between the Sophomore and Freshman classes some time in the near future. This meet will enable "Spike" to size up the available new material for the track team. The classes should organize their teams, and prepare to show their stuff when the meet is held.

### SOPH-FROSH GAME.

Plans are being made for a football game between the Sophomore and Freshman classes. Any member of these two classes who has not played on the first team is eligible to play. This should allow these classes to form strong teams, and we should see a good game when they play.

There's talk of several soccer teams being formed. We should like to see this happen, as there is much good material in the school.

### SEVERAL OLD MINERS VISIT TEAM IN DES MOINES.

Several old grads came down to the hotel to visit the team during their brief stay in Des Moines. Fritz Herman, '16, Mining Engineer for the U. S. Gypsum Co., Ft. Dodge, Iowa; C. L. Conway, '12, Mechanical Engineer, also with the U. S. Gypsum Co.; "Ole" Lodwick, '14, Lodwick Coal Co., and Sam Zook, '23, a member of last year's team, were the ex-Miners who came to pay their respects to the present Miners. They wish to be remembered to their old friends in Rolla, especially to Prof. Dean.

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### PROGRAM

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### SPECIAL ATTRACTION.

The Rolla Band will play a 30 minute prelude, starting at 7:30.

The feature will be "QUEEN OF THE MOULIN ROUGE."

The Comedy will be "THIS WAY OUT." and the admission will be 10 and 30 cents, 15 per cent going to benefit of band.

SATURDAY, OCTOBER 27

### BREAKING HOME TIES.

PATHE COMEDY—  
ANIMAL TRAVELOGUE.

SUNDAY, OCTOBER 28

### THE FLIRT.

Booth Tarkington's Masterpiece.  
PATHE NEWS and  
AESOP'S FABLES.

MONDAY, OCTOBER 29  
DUSTIN FARNUM

in

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are with the Missouri State Highway Commission, but a few are with the Highway Commissions of other states. These men came here as disabled ex-soldiers, not able to pursue their former vocations, and they have been rehabilitated, and have become producers once more.

The following list gives the names and addresses of the men mentioned above:

Otto Ball, St. Peters, Mo.  
 W. F. Brooks, Hornersville, Mo.  
 M. P. Condon, Stanberry, Mo.  
 W. C. Davis, Raymondville, Mo.  
 J. W. Gedts, Clinton, Mo.  
 F. L. Holloway, Maryville, Mo.  
 J. E. Jessey, 4131 Wyoming St., St. Louis, Mo.  
 R. J. Kunder, Macon, Mo.  
 C. M. Lancaster, Topeka, Kan.  
 H. R. Lucas, Elsinore, Mo.  
 M. T. Milford, Arcadia, Mo.  
 F. P. Nantista, Galena, Mo.  
 R. P. Nelson, Santa Fe, New M.  
 J. A. Phillips, Bloomfield, Mo.  
 R. E. Richardson, Steelville, Mo.  
 J. H. Riddle, Topeka, Kan.  
 E. A. Shirley, Santa Fe, New M.  
 J. E. Taylor, Tipton, Iowa.  
 D. F. Vincent, Lamar, Mo.  
 F. E. Weakley, Kinswick, Mo.  
 H. L. Wilkerson, Marshall, Mo.  
 C. J. Bahn, St. Louis, Mo.  
 A. R. Morris, Sheridan, Wyo.  
 E. J. Schremp, St. Louis, Mo.  
 F. R. McKeown, St. Louis, Mo.

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**M. S. M. PLAYERS****TO PRESENT PLAY.**

The M. S. M. Players will present their new play, "Her Husband's Wife," on or about Nov. 9. This is a comedy drama, and promises to be one of the most humorous and scintillating ever presented by the Players. The cast, consisting of Miss Helen Underwood, Miss Mary Elizabeth Campbell, Miss Nelle Kitchen, Mr. Click, Mr. Tom Egan and Mr. C. N. Valerius, was finally chosen after a spirited competition for the parts.

Mr. J. P. Bryan has proven to be a very apt and able Director, and has already rounded the play into surprisingly good shape after one week of practice.

The large portion of the proceeds will go to the Booster Club, and for this reason the support of the student body and townspeople is earnestly desired.

**HIGHWAY ENGINEERS****ARE MAKING GOOD.**

Out of the Vocational Highway Engineering class we have the names of several men who completed the course last spring. We are glad to state that these men are on the job, and are making good. Most of them

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## MASS MEETING.

The regular Mass Meeting which was held on Friday, October 19th, was distinguished by two features. First, an address by Dr. Fulton; and, second, by a General Electric film, entitled "The Queen of the Seas."

Dr. Fulton called to attention the fact that a number of books have been taken from the Library without the knowledge of the Librarian, and consequently have not been properly recorded against the persons taking them out. He asked that any one, including faculty members, who removes books from the Library leave the proper record at the desk.

He also commented on the liquor situation here, giving his own personal reactions on the matter, as well as the rulings of the Board of Curators. He stated further, that it was his opinion as well as the general consensus of opinion, that conditions in this respect had greatly improved during this year, and were now better than at any time during his connection with the school.

The G. E. picture, "The Queen of the Seas," was a very interesting depiction of the evolution of water-craft, from the primitive raft of the Indians to the modern electrically driven battleship.

## POWERS-JOHNSON.

Miss Edith Carter Johnson and Mr. H. R. Powers were united in marriage Wednesday, October 3, 1923. The ceremony was solemnized in the Episcopal Church at Okmulgee, Okla.

The bride is the daughter of Mr. and Mrs. E. M. Johnson, of Henryetta, Okla. After graduation from the Joplin, Mo., High School she attended Lindenwood College, and later took up public library work,

and for the past two years has been Assistant Librarian at M. S. M. Miss Johnson is a charming young lady, and possesses a fine personality, which made her very popular in Rolla.

H. R. ("Jack") Powers, was a student at M. S. M. from Oshkosh, Wis., graduating with the class of 1923. Jack was prominent in activities at M. S. M. A fluent speaker, gifted actor and able student, Jack made his presence felt in the class room as well as on the campus. He is a genial, pleasant gentleman and was liked and respected by faculty and student body at M. S. M. He now holds the position of Mining Engineer for the Eagle-Pitcher Lead Co., at Miami, Okla., where the young couple will make their home.

The Miner falls in line with their numerous other friends and wishes them happiness and success. More power to the Powers.

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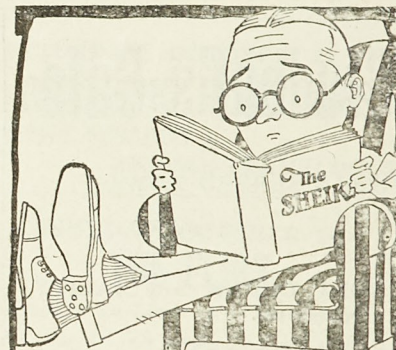
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**INDUSTRY'S INTEREST IN  
ENGINEERING EDUCATION.**

Chemical and Metallurgical Engineering.

In spite of the occasional, but widely heralded, antagonistic attitude of a few American business men toward college graduates, evidence is accumulating that, at least, as far as engineering graduates are concerned, industry in this country is beginning to realize the value of college training. Apparently industry as a whole, but particularly that built on a technical or mechanical foundation, is beginning to wake up to a situation that has been appreciated for some years past by the two largest electrical manufacturers in this country. The latest tangible evidence of interest in the subject is Special Report 25 of the National Industrial Conference Board prepared by an advisory joint committee of industrialists and educators in engineering schools. The purpose of the report is "to show clearly the inter-relationship between the engineering schools and the industries, and the need for cooperation of the two organizations interested in the development and successful functioning of leadership in industry."

The report is a frank recognition of the value of engineering training in developing leadership in all branches of industry. And since this is true in spite of the fact that in the past there has been little or no co-operation between industry and engineering education, we can see still greater recognition for the engineer when industry makes known its wants and education tries to meet them as far as possible. What has already been achieved is a great tribute to engineering education, but the future holds promise of still greater things.

Based on the United States census for 1920, the report shows that of the 41,600,000 persons who were gainfully employed, less than 4 per cent planned the activities and directed the energies of the whole working force. In other words, 1½ million people acted as administrators, supervisors and technical experts for 40 million workers. Looking to the future, the report shows that under the normal increase in population, we shall have about 50,000,000 persons gainfully employed in 1920, requiring about 1,900,000 administrators and industrial leaders. This means that in the present decade, 1920-1930, we shall need to discover 400,000 new industrial leaders in addition to the needed re-

placements.

Against these figures showing the demand for men qualified to fill positions of leadership and responsibility is the fact that the total number of engineering graduates in this country is only about 70,000, while our engineering schools are turning out at the present time only about 9,000 graduates a year, many of whom do not enter industrial work. The supply therefore, assuming that engineering graduates have been found best qualified to fill the higher positions, is far from adequate, and certainly indicates that there is no overproduction of engineers.

If, as the report states, "the future of the country depends upon an adequate supply of men trained in applied science and engineering who are forward-looking men," it behooves us to look well to engineering education and particularly to the selection of those men who enter engineering schools. In this connection the preparatory schools can render a great service by selecting the potential engineers in their student bodies and guiding them toward the study of engineering subjects. And if high quality is to be maintained, it will devolve upon the engineering schools to set up such standards of admission as will exclude the unfit. Such selection combined with a broad and thorough training in the fundamentals of science, mathematics and engineering will go a long way toward meeting the apparent demand that exists in industry for leadership by trained engineers.

**LOGAN J. PHILLIPS  
KILLED IN ACCIDENT.**

Logan J. Phillips, '06, was killed Sept. 22, while walking in front of a building at 171 Broadway, New York. An iron support of the cornice of the building had rusted away and a twenty-five pound fragment of iron struck him on the head, killing him almost instantly.

Mr. Phillips was a civilian engineer attached to the Board of Army Engineers, and was preparing for an important dredging project in New York City. He had been employed as an engineer since 1907. Mr. Phillips leaves a widow and two children, Logan, aged 5, and Florence, aged 8.

The Miner extends its sympathy to the bereaved family.

Walter Dobbins, '10, is with the Chile Exploration Co., Chuquicoma, Chile, S. A.

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**H-A-S-H.**

We understand that the poor fellow who misunderstood the army doctor is still in the hospital. You remember the fellow who jumped instead of coughing.

Film poster: "Brick layer's wife" in six parts.

She gets married in the fourth part.

In view of the fact that most of the boys in town are vested with a desire for excitement, how would it be for the fraternities and clubs to organize and have a poker joust, using United Profit Sharing coupons for legal tender. It's a good way to get that much needed gobbion.

This bird down by the bank the other day that sold tinware in the form of fountain pens and opera glasses, could make money selling hams in a synagogue. Any man who can sell a piece of sheet iron bent into the shape of a ring, and make the purchaser feel like he was the luckiest thing in the world to be able to get such a bargain, surely wins the hand-painted stalactites.

Figures don't lie. They tell the

naked truth.

You know Jake the plumber. Oh, how he can plumb. He plumbs all day. And he plumbs all night. Now that is plumbing some.

It was terrible stuff. Thick, reeking and rough. With a kick like a mule on a wagon. Each swallow was tearful. It made me feel fearful. And it cost me a dollar a flagon.

A noted gunman in N. Y. has a gadding average of over .800.

A drunk caused considerable domestic disturbance once when he came into the house with a shovel and broom determined upon cleaning out the cuckoo cock.

Monkey gland treatment is not always successful as will be proven by the incident that happened recently in Louisville. One old decrepit grandpa, who had a craving to become youthful once more, had a pair installed. From that time on his wife has had no end of trouble trying to get him to come down out of the trees and put his clothes on.

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OPEN SUNDAY EVENINGS

Wm. M. Keeling, '23, is with the Western Electric Co., Chicago, Ill.

#### SENIOR COUNCIL NOTES.

The members of the Senior Council held their regular meeting last Thursday evening, and were honored by the presence of Dr. Fulton, who gave a short address to the Council.

There was not any business of importance brought before the Council.

At the election Saturday afternoon the following men were elected members of the Rollamo Board of Trustees: Seniors, Marion L. Atkinson and A. W. Walker. Juniors: Claude M. Valerius and L. A. Fisher.

Washington, D. C.—The kinds of timber used in mining operations are as varied as the localities in which the mines occur, states the Department of the Interior as a result of a study of the timbering of metal mines just completed by the Bureau of Mines. In some districts in which there is a scarcity of good timber, such as in the Southwest, the prospector and small mine operator use the dwarf varieties usually found in these arid regions, such as mesquite, sage brush, juniper, cottonwood, pinon, etc.

Long-grained timbers, such as pine, fir, spruce, oak, and chestnut are preferred, because they will crack and split when pressure comes on them, and thus give warning long before they break. Although timbers should be long-grained, strong, and elastic, they should not be too heavy. Oak and chestnut and other long-grained hardwoods are strong, but many hardwoods are heavy to handle. Short-grained woods are often unreliable as an indicator of dangerous pressure, because they may break without warning.

The Bureau of Mines advises that the use of such flexible woods as hickory, eucalyptus, and willow, be avoided, if possible, as they bend easily under pressure, and do not offer, in proportion to their size, much resistance to the movement of the rock. The willow especially lacks both strength and durability.

These timbers of the Pacific coast that are best adapted to mining uses are Douglas fir, California fir (white fir), Sitka and white spruce, and yellow pine (bull pine), but western hemlock, cedar, and redwood, also oak, maple, chestnut, and other hard woods are used where most easily available. Sometimes the scorched timbers of burned-over districts are used. When the heart of the timber is sound these have proved acceptable; they are cheaper than unscorched timber, and are practically as strong.



## The Dance



### FRIDAY, OCT. 26, 9 P. M.



## WHO'S WHO.

Ladies and gentlemen, with your kind permission we will introduce to you, for your approval, Prof. Miller. The only person in captivity, locally, who will go thru thick and thin for a person to whom he takes a fancy. Yes, he is quite a hand with the ladies. And why not? For one to gaze upon such entrancing features, is it any wonder that the fair damsels suffer palpitation when he is within the scope of their vision. And those side-burns—did any one ever see such things. They would make a Greenwich village waiter retire to the woods in sack cloth and ashes.

From all appearances the Prof. must have gone into the hauling business. At any rate he goes off over the week end to attend to this business.

And radio, the little rascal is a perfect bug on the subject. With the aid of several of his friends, who have had odds and ends of radio material laying around, he has succeeded in getting quite a good Armstrong Super-heterodyne circuit together.

However, all low down aside, we say that Prof. Miller is O. K., and we wish more horse power to him.

## DIPHENYL DOZEN MEETING.

At the first meeting of the Diphenyl Dozen this term it was decided to change the name to the Ira Remsen Society of M. S. M., subject to the approval of Remsen. The reason for adopting the name of Remsen was principally because Remsen is the father of the modern chemical education system, and is also the originator of the laboratory method of teaching chemistry. Remsen, who is now Professor Emeritus at Johns Hopkins, gladly gave his approval, so that the new name was finally adopted by the society.

After this business meeting Professor McKee gave a very interesting talk on the Petroleum Exposition, which was held recently at Tulsa, Oklahoma. McKee finished his talk by saying that the modern oil business demands more and more technically men, and contains more different professions than do most businesses. From what McKee says the outlook for the oil men here is very bright.

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WESLEY FOUNDATION ENGINEERS

# New Brunswick Records

WHAT COULD BE SWEETER, Fox Trot, Isham Jones.

ALL WRONG, Fox Trot, Isham Jones.

LOVE, (My Heart Is Calling You, Fox Trot, Bennie Krueger.

MAD, ('Cause You Treat Me This Way), Fox Trot, Bennie Krueger.

STINGO, STUNGO, Comedian, Margaret Young.

HE MAY BE YOUR GOOD MAN FRIDAY, Comedian, Margaret Young.

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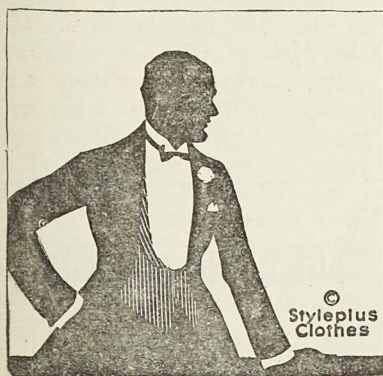
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### M. S. M. RADIO CLUB.

Last month twelve men who were interested in radio research work, established the M. S. M. Radio Club for the purpose of studying applications and devices connected with radio reception. The members of the club are purchasing and studying new devices, but it is their goal to stimulate the interest of the school in radio work, with a view towards this school eventually purchasing a good transmitting set. Most technical schools, and quite a number of normal schools, have such sets, and send out very good programs. A transmitting set would be a good advertisement for the school. All interested in radio should boost the proposition, so we can take our place among other technical schools.

Another club is to be organized soon, which will be composed of those who are interested in the radio, but who do not have the knowledge of the principles necessary to be a member of the present club. All interested in this beginner's club see Joe Worley.

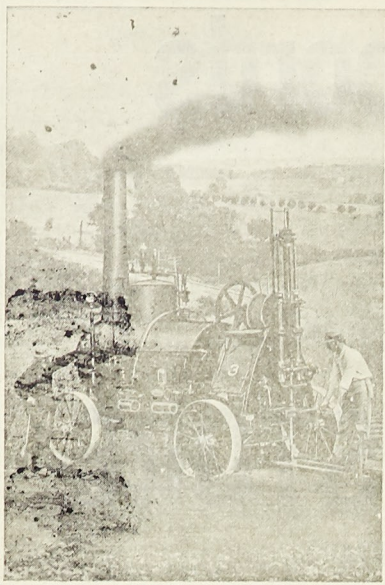
### GOOD OIL PICTURE TO BE SHOWN.

"The World's Struggle for Oil," a recent 7-reel Bureau of Mines motion picture, will be shown at Parker Hall sometime during the week. This picture is very interesting, and every one should see it. Watch the daily bulletin for the exact date of showing.

### CROSS COUNTRY MEN OUT.

Any one wishing to try out for the cross country team should report to "Spike" Dennie at once.

Soph-Fresh track meet to be held on Nov. 17. And they are to start working at once.

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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.

The Official Publication of the  
M. S. M. Alumni Association.

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## THE SAME OLD STORY.

The 1923 football season opened with a repetition of the same old story. We had good material, good school spirit, but could do no more than give Washington a fight too close to be comfortable. We lost heart, and if we continue as in former years, we will go thru the season in a half-hearted manner.

To be beaten by a college that has thousands to choose a team from while we have but a few hundred, is no disgrace. Moreover, for a school maintained by state appropriations to compete athletically with one of the richest universities in the country is in itself a big handicap. Every year we put up our best fight against Washington U. and nearly beat them. Then the team loses heart, as it did in Dallas, and some school we should mop the field away with, walks away with the team. About that time the students who have been yelling their heads off put their hands in their pockets and walk home. If the team is playing at home the players can see it; but if away, as they were last week, they know about as well as if they were here how the students are backing them. They know the students back at Rolla are not standing on their toes pushing just as if they

too were on the field. Before the game at Drake started every man on the team knew that if they won there would be a demonstration in Rolla when they returned that would have put a Roman triumph to shame. When they got to Dallas they knew the kind of celebration they would receive if they lost. They knew how interested the students were in them. They played half-heartedly and lost. When Number Four pulled into Rolla the next day they received the reception they expected. How can any one expect a team to win that does not have the support of the students? The team did not lose those games—we lost them,—we who stayed at home with our hands in our pockets and said, "We should worry who wins."

"The team that won't be beaten can't be beaten" is only half of the story. "The school that won't be beaten can't be beaten" is the whole story. The team that can not be beaten is the team whose members know that, win or lose, the school is back of them to a man. They know the band will play just as loud when they return if they have won or lost. Our team knows that we will yell like hell if they win, but shut up like clams if they lose. There is no denying that we are great winners, but as losers—what's your opinion?

School spirit has won more games than all of the beef, brains and brawn of any team ever won. Our school spirit would hardly assay a trace. We are poor sports and worse losers. That is the worst thing that can be said of a football player, except to say he is yellow. There is nothing wrong with our team. The students are the ones who have been losing the games. Our team is made up of men, and not a one is yellow. They are all gold, and all that is necessary to make them shine is some fight, and if we do, we will win, because "THE SCHOOL THAT WON'T BE BEATEN, CAN'T BE BEATEN."

LET

HAROLD

SHINE YOUR SHOES

AT

MURRAY'S BARBER SHOP

Continued from Page One.

out.

To Mesdames McNutt and Don, and to Miss Hughes goes the undying thanks of an appreciative bunch of Miners for the excellent refreshments served at the conclusion of the talks. Messrs. McNutt and Truex with Nolan at the piano, rendered some excellent selections, which were later joined in by the rest of the bunch. After several old Miner songs and yells the evening's entertainment came to a close, with all present expressing regrets that it couldn't be duplicated oftener.

Dr. Fulton expressed great pleasure in meeting the alumni, and said that several of his former ideas about the oil industry had undergone a decided change after realizing the magnitude of the industry as depicted at the Exposition, and also from a trip of inspection into the fields around Tulsa.

Those present were. Mr. and Mrs. V. H. McNutt, Mr. and Mrs. D. F. Don, Miss Hughes, Dr. Fulton, Dr. Drake, Profs. Dunlap and McKee, Messrs. Kroenlein, Zoller, K. Aid, Keeler, Arnold, Nowlan and Ebmeyer.

The alumni of Tulsa wishes to thank Mr. and Mrs. V. H. McNutt for their co-operation in making this meeting possible.

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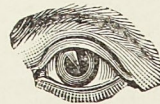
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