



08 Oct 1928

## The Missouri Miner, October 08, 1928

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# THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 15.

Monday, October 8, 1928

No. 4

## 1928 FOOTBALL SCHEDULE

Washington 9, Miners 0  
 Oct. 13—McKendree, Rolla  
 Oct. 20—St. Louis U., St. Louis  
 Oct. 26—Central, Rolla  
 Nov. 3—Kirkville Osteopaths  
 Rolla  
 Nov. 10—Westminster, Fulton  
 Nov. 17—Arkansas, Fayetteville  
 Nov. 29—Drury, Springfield

## MINERS STAGE BIG RALLY FOR WASHINGTON GAME.

For the first time in several years a big rally including a shirt-tail parade, speeches, music, singing, and a bonfire was staged at M. S. M. The entire affair was conducted by the newly organized Dynamiters, who are restoring school spirit and developing stronger boosters for M. S. M. teams.

The opening scene was a shirt-tail parade down Pine street, which was accompanied by the favorite strains of the "Mining Engineer", which were broadcast by the M. S. M. band. At 9th and Pine the air was permeated with Miner yells, including Bear Meat. These yells were capably led by Wilhite, Tuttle, and Murray. Here Doc McRae announced that everyone would proceed to the campus and burn Parker Hall, and by the way, it was burned to the ground, but Prof. Armsby didn't lose any records, for McRae's Parker Hall happened to be the biggest pile of kindling wood ever seen in Rolla.

At the bonfire the program was started with the well known class yells of '29, '30, '31, '32. Again the cries of "Bear Meat", Yea Team, and Beat Washington were heard. The event was climaxed by a speech from Captain Lay who told of the condition of the team, and assured the student body that our team was fully determined to fight.

## SCOREBOARD TO BE READY FOR FIRST GAME.

The scoreboard which will be presented to the school by the Missouri Beta Chapter of Tau Beta Pi is rapidly nearing completion and will be ready for use at the McKendree game next Saturday. The scoreboard consists of a concrete Tau Beta Pi bent fifteen feet high and during a football game it will be fitted up to show score, down, yards to go, and time to play. The information will be shown in large black letters on a white background and will be visible from all parts of the field. When not in service as a score board the bent will make an attractive addition to the campus.

The idea for a Tau Beta Pi score board to fill an obvious need on the football field originated with Prof. Kershner, who planned the board as it will appear. The technical work including the drafting and blue printing of the plans was done by the initiates in the spring term of 1928, under the direction of D. Bardsley and the score board committee of which T. D. Murphy is chairman. The board is being constructed by a crew under the direction of Prof. Jackson of the mechanical department.

Dr. Fulton arranged for the temporary financing of the project so that the board could be constructed this fall; so Dr. Fulton and Prof. Jackson deserve all the credit for the fact that the board will be in use for the McKendree game.

## A. S. C. E. SOCIETY TO AT- TEND BANQUET IN ST. LOUIS.

The senior civil engineers of M. S. M. will motor to St. Louis next Friday evening to attend a banquet given by the St. Louis section of the American Society of Civil Engineers, in honor of President Bush and Secretary Seaberry, their national officers. The banquet is being held primarily to foster a spirit of co-operation between the St. Louis section and the student chapters at Washington U. and M. S. M., and

Continued on Page Eight

## GOLDEN WAVE DEFEATED BY SUPERIOR WASHINGTON COM- BINATION.

### Miners Force Bears To Fight Hard For 9-0 Victory.

Willis E. Johnson of the sport staff of the St. Louis Globe-Democrat wrote the following account of the game which was published Sunday:

Washington yesterday defeated the Missouri School of Mines football team in a hard-fought struggle, score 9-0. The green-jerseyed team representing the local university registered a safety just before the close of the first quarter as the result of a blocked punt, Ralph Kurz blocking the kick and the ball rolling out of bounds in the 10-yard zone. Jack Duncan was responsible for the touchdown scored by Washington, the quarter back of the Bears carrying the ball over the line shortly before the close of the third quarter. Ted Whittler kicked the goal.

Washington displayed decided improvement over its game last week against Westminster. In the first quarter of the game yesterday the Bears rushed the Miner team down the field and within scoring distance only to lose the ball when the forward line of the Miners put up a determined stand and held for downs. Had Washington continued pounding the right side of the Miner line, the weak point in the visiting aggregation's machine, there is good reason to believe the locals would have scored a touchdown. Instead of smashing away at the weak point Ted Whittler was sent into center and failed, while Theis Lohrding lost ground on an attempted end run. Then Jack Duncan tried a forward pass which failed and Washington lost the ball on her 10-yard line. It was immediately after this last play that Kurz blocked the Rolla punt which netted the safety and two points.

### Miners Penalized 25 Yards.

The Miners had slightly the better of the play through the second quar-

Continued on Page Three.



# HOWDY FOLKS!



## See You October 12th

### INTERSECTIONAL FOOTBALL.

The colleges and universities of the United States instead of confining football and other athletics within their school, as some educators advocate, are more and more branching out into intersectional rivalry. This year there are thirty-one intersectional games to be played within the United States. All of these games are of national interest and will be followed not only by college fans, but by the older populace who have a sectional feeling of rivalry. This of course, makes the gate receipts much larger, and is quite an improvement bringing about of intersectional athletics.

Then within the individual schools

and their alumni in the middle and far west, there is a feeling that their teams are just as good, and in many instances much better than the much lauded teams of the east. These schools feel that the eastern teams are monopolizing the spot light in all sport, and especially in football. They feel that the right to this popular attention should be nationwide and not confined to one section of the country. This has been a big factor in the seasons large intersectional schedule.

The most important games on the schedule this season are: Navy vs Notre Dame at Soldier's Field, Chicago; Army vs Stanford at New York City; Notre Dame vs Southern

California at Los Angeles; Army vs Nebraska at New York City, and the Navy vs Michigan at Baltimore.

But these are only a few of the games. Small schools like Butler of Indianapolis are playing schools with a reputation such as Tufts. This schedule of many intersectional games has many good points and will become more popular as time passes on.

Patronize our Advertisers.

**JIM PIRTLE**  
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AND  
JEWELER



Continued from Page One.

ter of the game, especially in the forward-passing end of the game. Steiner sent a shot to Simonton which netted a gain of 15 yards and a first down for the Miners. Hassler, one of the veterans of the Rolla team and a star, ripped through the Washington line for 7 yards, and another first down. Steiner, a big youth and terribly slow, gained 3 more yards for the second first downs of the quarter. Simonton added 2 more, after which Schofield substituting for Hassler, got away on one of the old criss-cross plays for a 10-yard sprint and another first down. Simonton went around right end for a yard, but the ball was called back and Rolla penalized 25 yards for clipping.

Starting the third quarter, Whittler kicked off and the ball rolled beyond the Rolla goal line. The leather was brought out to the 20-yard line. Rolla tried several plays and then Hassler punted, Lohrding making an effort to catch the ball, only to have it bounce out of his arms. The Washington player was lucky, in that Scott Hornsby was standing near by, the big half back catching the ball. After several exchanges of punts Washington made a drive which carried the ball to the Miner's 14-yard line, Whittler failing to go through the line for the necessary yardage on the fourth down.

#### Toes Leather Over Crossbar.

After Steiner had punted out to Rolla's 37-yard line, Washington started a march against the Miners which eventually resulted in Jack Duncan going over the line for the only touchdown of the game, Whittler toed the leather over the crossbar for the extra point.

After the fourth quarter was well under way Coach Sharpe sent in nearly all of his second-string players, and these speedy youths quickly rushed the ball down the field. With the ball on Rolla's 38-yard line a forward pass, Duncan to Rawdon, was staged and the husky little Washington half back made a clean catch and started on what appeared to be a successful chase to a touchdown. However, Rawdon stepped outside the side lines and the ball was called back. This play was the most exciting one of the game, bringing the crowd of 3500 grid fans to their feet.

The penalty handed out to Rolla seemingly took all the fight out of

the Miners because after that Steiner punted and Washington had a slight edge during the remainder of the quarter. Rolla succeeded in gaining possession of the ball before the close of the quarter, but the Miners were forced to punt.

#### Bears Make 11 First Downs.

After this play Rolla tried several forward passes, one of which netted a 25-yard gain. The Miners managed to carry the ball to Washington's 11-yard line, but in attempting to smash through the line and then making a last effort to score with a forward pass attempt, lost the ball.

Washington made eleven first downs in the game against six for the Miners. The Bears kicked ten times, while Rolla punted seventeen times. The Bears completed four forward passes, while the Miners made five successful heaves. Two passes were incompleated by Washington, and Rolla failed on five. Washington was penalized 70 yards, while the Miners lost 65 yards as the result of penalties.

Washington	Position	Miners
Coover	Right end	Runder
Drake	Right tackle	Lamb
Hoffman	Right guard	Martin
Scheib	Center	Tomlinson
Jablonsky	Left guard	Lacy
Paris	Left tackle	Bolon
Kurz	Left end	M. Sharpe
J. Duncan	Quarter back	Hortle
Hornsby	Right half	Steiner
Lohrding	Left half	Simonton
Whittler	Full back	Hassler

Officials—Referee, Beck, Nebraska; umpire, Cook, Illinois; head linesman, Kelly, Dartmouth; field judge, Orr, Missouri.

Substitution—first half: Tucker for Martin; Scofield for Hassler; Kjar for Steiner.

Second half: Scofield for Hassler; Simonton for Carlson; Lamb for Schenk; Martin for Tucker; Kjar for Steiner.

#### HOMEcoming NOVEMBER 3RD.

The M. S. M. Alumni Association has announced its plans for the annual homecoming to be held at Rolla November 3d. The St. Louis section has promised to come down in a body and good representations are promised from the Lead Belt, the Tri-State and the Tulsa sections. The official publication of the Association, the "MSM Alumnus" is urging all the old graduates to return if possible and make this a real homecoming. The program includes among other things, the football game between the Kirksville Osteopaths and the Miners and a banquet at the new Bus Terminal.

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The Miners were defeated by the rejuvenated Bears in a hard tussle. The Bears out-played the Golden Wave in every department. The "Big Team" fought hard throughout and were within scoring distance several times, but the Bears held them for downs and then punted out of danger.

Simonton, half back for the Miners, brought the crowd to its feet by his spectacular broken field running and pass snagging. He proved very troublesome to the Bears on the defense as well as the offense. Melvin Sharp proved to be another illuminary, after catching a pass near mid-field, he twisted and ran his way to the fifteen yard line. It looked like a sure score but the Bears held them for downs.

In the line Captain Lacy, Bolon, and Tomilson played an outstanding defensive game, in fact they fought so hard that the Green Jerseyed St. Louis boys were unable to gain much through the left side of the line.

#### SPIKE DENNIE ESTABLISHES NEW GOLF RECORD.

Prof. F. E. (Spike) Dennie established a new record for the M. S. M. nine hole golf course when he went around the course in 33, four strokes under par. Spike's game was featured by consistent playing all the way around and a birdie on hole No. 6. No. 6 is a par five hole and Spike drove onto the green in two and holed out in one putt.

Voice over the phone: Is this the lady who washes?

Society Snob: Indeed, I should say not!

Same Voice: Why you dirty thing!

Taste makes waist.

—Oregon Orange Owl.

Our idea of some necking party would be one between a lady giraffe and a gentlemen octopus.—Rice Owl.

"Er—Mr. Woodward, are you chewing gum in my class?"

"Naw, this ain't gum; it's terbac-

co."

"Oh, I beg you pardon."

Texas Ranger.

"Gosh, my roommate sure has vanity. He stands for hours in front of the mirror admiring his good looks."

"That ain't vanity; that's imagination."

—Annapolis Log.



## 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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### EDUCATION PAYS IN LEADERSHIP, INFLUENCE AND HONORS.

Sometimes, when we have to deal with a university graduate who is stupid and conceited, we become skeptical as to the value of what is called "a college education." But when our irritation passes and we examine the work of those who have been taught to observe and think at college, we are compelled to admit that they have a great advantage over the youths who have only a common school education—of all the people in the United States who have performed distinguished service and received high honors, there was

One person out of each 150,000 who had no schooling.

One person out of each 37,500 with a common school education.

One person out of each 1,724 with a high school education.

One person out of each 187 with a college education.

The above totals show the comparative changes of no schooling and with the different grades of education. Parents who give their children a common school education give them four times the chance to become a leader and receive distinction than

the child of no schooling has. Those who give their children a high school education give them 87 times the chance and the parents who sacrifice and give their children a college education give them more than 800 times the chance of the child without schooling.

—Extracted from Commerce and Finance, date not known.

### HOW BILL ROPER PICKS HIS PRINCETON VARSITY.

"The quality I look for at first is best described as the ability to handle oneself," says Bill Roper, Princeton coach, in the November issue of College Humor; "a close correlation between mind and muscle which shows in balance, speed, rhythm and grace. I seek out the men with nerve and cheerfulness, who do not complain too readily of bumps and discouragement and bruises. The successful coach studies his squad and learns the dispositions and temperaments of every player. The unimaginative boy perfectly set up but utterly lacking in fire and spirit to rise to a fighting pitch during a game is a thorn in any coach's basket of roses.

"There is a general impression that only big, brawny men have a chance to excel in football. Coach Yost, of Michigan, gives five qualities that make up the football player: determination, perseverance, coordination, brains, and strength. 'Determination, not strength, is the first thing I look for,' he says. 'The strong, brainy, coordinated boy is not an athlete unless he possesses the determination and willingness to persevere.'

"Stagg, of Chicago, believes that football players are born, not made. 'Certainly,' he points out, 'physical attributes enter into being a perfect football player, but a manufactured tackle or fullback will always remain an automaton, a mechanical player. The boy who is worth his weight in gold is he who is always in every play and every game up to his neck.'

We recommend as campaign issues for either party: fewer penalty strokes in golf—larger putting cups—and a good 25 cent ball.

We notice Geo. Whites' "Scandals" are coming to town—our error, we were only looking at Schuman's window display.

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**HIGH LIGHTS OF R. O. T. C.**

The far reaching influence of changing fashions has reached even our R. O. T. C. unit. It is an accepted fact that the changes brought about by the fickle goddess of fashion are not always admirable. In this case however no goddess has been permitted to tamper and we have a change in the uniform that is appreciated by those who are taking military. Gone forever are the old baggy breeches and the uncontrollable wrap leggings of the past years. The unit has adopted the straight cut trousers, the many advantages of which are obvious.

Neatness, the prime requisite of any good soldier, is greatly increased by the new uniform. The appearance of the unit as a whole when marching is improved and it is certain that the comfort and elimination of trouble in doning the uniform is a source of satisfaction to the embryo officers.

The following titles were earned by members of this unit at the summer encampment:

Expert Riflemen: C. W. Johnson,  
 H. G. Jones.

Sharpshooter: R. A. Bryant.

Marksman: M. A. Sharp, F. E. Tucker, M. E. Suhre, O. W. Morris, and H. R. Ossterwald.

Pistol Sharpshooter: T. O. English, C. W. Johnson.

Pistol Marksman: A. K. Kemp, R. A. Bryant, M. C. Christine, E. C. Long, J. P. McGraw, M. E. Suhre, H. G. Jones, H. F. Page, R. S. Dittmer, H. C. Bolin, O. W. Morris, F. E. Tucker, H. R. Osterwald, M. A. Sharp.

**ROLLAMO PICTURE**

**ANNOUNCEMENT.**

Sid Whiting will be in Rolla, O. t. 12, 13, 14 and 15 in his new studio to take the Rollamo pictures. The board requests every one to have their sittings at this time if possible.

This year there will be a change of back ground. This means that only those pictures taken this year will appear in the 1919 Rollamo.

The faculty is urgently requested to have their pictures taken.

There will be no group pictures taken while Mr. Whiting is here.

All pictures will be taken at Sid Whiting Studios No. 3, located in the telephone building. See Ray Gast for picture appointments.

**R. RAY GAST JR.**

Business Manager Rollamo.



## RAMBLING COMMENT.

We lost the first game of the season but why worry about that, we have seven more to win. We don't believe in alibies, but if that had been our second game it would have been a different story. Anyway we are proud of our team. They played a splendid game and every man was fighting every minute. It is up to us to tell the team we are proud of them—they are likely to be somewhat despondent after fighting so hard for victory and it is up to us to see that they return to the old fighting form for practice this week.

The student body is entitled to a large measure of praise for the way in which they conducted themselves at the game. Washington will have to find some other excuse next year.

Among the old Miner grid stars who witnessed the game were Sheriff Lee, Jimmy Lemon, Dick Cavanaugh, and Chuck Herbert.

The Kirksville Osteopaths defeated Arkansas Polly Tech., 34 to 6 in a game Saturday. The game was featured by the long runs of the Kirksville team. Wendler caught the first kickoff and ran 97 yards thru the entire Arkansas team for a touchdown. A little later Winters ran 80 yards for the second touchdown. These men will be seen in action on Jackling Field in the Homecoming game November third.

Arkansas University defeated Ozark College 21 to 0 in a game that was featured by Arkansas completing 7 out of 14 passes for a total gain of 120 yards.

Other scores of interest to Miner fans are: Central Wesleyan 0, Shurtleff 20; Missouri Valley 33, Wentworth 0; William Jewell 7, Tarkio 6; Springfield Teachers defeated St. Louis U. 7 to 0; the touchdown being scored on the third play of the game.

#### OPPORTUNITY BECKONS FROM JAPAN TO THE MINING ENGINEER.

No less an authority than the New York "Times" reports a project to construct in Tokio, Japan, a building eighty stories deep. The scheme is to excavate a hole 1,100 feet deep and 155 feet in diameter, and in this cavern to erect a modern building. A central well, 75 feet in diameter, is so be left for ventilation and lighting. The building, according to the story, is to be equipped with electric lights, telephones, radios, elevators, and

"sunlight reflecting mirrors." No mention is made of barber shops and cafeterias in the basement, but probably they will be there.

The ostensible purpose of sinking this 'skyscraper' is to avoid possible catastrophe as the result of earthquakes—a sensible procedure, one would say, at least at first thought. If the plan be carried out, broad opportunity arises for mining engineers and manufactures. About 1,000,000 tons of rock must be removed, equivalent to about six months' production by Calumet & Hecla Consolidated in Michigan. Equipment and supplies for drilling and blasting, loading and hoisting would be required. The selection of the best method of mining would be an interesting problem. Excavating a big open cut would be slow and costly. Perhaps the best way would be to sink two shafts, connect them with laterals at various levels, and stope overhand in, say, 100-foot lifts. Determining the details of procedure would provide a nice task for a mining engineer.

The article estimates that time required for completing the project will be 'less than half of the time required in constructing a 50 story New York office building.' Just where and how time would be saved is hard to imagine. Likewise, one wonders why the experiment—for such it seems to be—is not tried on a ten or twenty story building instead of as deep a one as is projected. That would have taken the 'edge' off the account as newspaper material, but it would make it rather more credible.

—Engineer & Mining Journal.

A modern girl remembers her first kiss about as long as she remembers her first husband.

—Grinnell Malteaser.

She was only a physician's daughter but she sent the blood surgin' through your viens.

Nebraska Awgwan.

"Why did Sandy MacNab go out for the team?"

"Someone told him that the players were admitted free."

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—Colgate Banter.

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**BUREAU OF MINES TO STUDY  
NINE PROBLEMS THIS YEAR.**

The United States Bureau of Mines and the experiment station of the School of Mines and Metallurgy here, in their cooperative work for the mineral industry, will study during the coming year nine major problems, according to Will H. Coghill, superintendent of the station. The problems will deal with the following subjects:

Concentration of fluorspar ores in the Illinois-Kentucky district.

Improvements in the milling of Southeast Missouri lead ores.

Recovery of titanium minerals from bauxite tailing sludges.

Improvement of milling practice in the Tri-State zinc district.

Flotation of difficult ores in the Tri-State zinc district.

Tabling and classification of Tri-State zinc district zinc ores.

Sampling and beneficiation of manganese ores.

Elutriation of flotation products.

The efficiency of ball mills of Southeast Missouri lead belt and the Tri-State zinc district.

In addition to the above the two stations have under way several miscellaneous investigations of a lesser nature.

Four graduate fellowship men have been appointed to supplement the regular staff of the two stations. These men will pursue studies in research in conjunction with their regular class room studies, and will receive the degree of Master of Science when the terms of their fellowship have been fulfilled.

R. L. Kidd, who has a bachelor's degree in mining at the University of Texas, and also a bachelor's in chemistry at the Oklahoma A. & M. College, is studying the efficiency of ball mills in the Southeast Missouri lead belt and the Tri-State zinc district.

Gunther Frotscher, a graduate of the Saxony Mining Academy of Freiberg, Germany, an exchange student sent here by the German Students Cooperative Association, is studying the elutriation of flotation products, with special reference to lead and zinc.

M. V. Healey, who graduated in mining at the School of Mines and Metallurgy in 1923 and in metallurgy in 1928, is studying the beneficiation of manganese ores.

C. W. Ambler, who graduated in mining at the School of Mines and Metallurgy in 1928, is studying the flotation of difficult ores in the Tri-State zinc district.

A. M. Gow, who was appointed to the fellowship now held by Ambler, resigned his appointment to accept a full-time appointment as associate metallurgist at the School of Mines station. He will take the place vacated at Bonne Terre, Mo., by H. D. Scruby, who resigned to accept a position as mill superintendent for the Yukon-Treadwell Co., near Sudbury, Ontario, Canada.



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Continued from Page One.

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