



21 Oct 1930

## The Missouri Miner, October 21, 1930

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# THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.

Vol. 17.

Tuesday, October 21, 1930

Number 6

## D. C. JACKLING HONORED

Famous Son of M. S. M. To Receive Saunders Metal.

A native Missourian who began life as a Missouri farmer's son and who was educated in this state, Daniel C. Jackling, president of the Utah Copper Company, a noted mining engineer and metallurgist, will be presented with the 1930 William Lawrence Saunders Gold Medal by the American Institute of Mining and Metallurgical Engineers at a dinner to be given at the Ritz Carlton Hotel in New York on Friday evening, Oct. 31.

The Saunders medal is awarded annually to distinguished engineers for "achievements in mining," and was presented to President Hoover in 1928.

Mr. Jackling's rise to prominence as a mining engineer and captain of industry is one of the romances of the American mining industry. Thirty-six years ago he arrived in the Cripple Creek district in Colorado with three dollars in his pocket and today he is now recognized as one of the foremost leaders in the copper mining world. He has been credited with making Utah, through

Continued on page six.

## ROLLAMO BOARD AFFAIRS

### Pictures by Alan MacEwan

This year's individual senior class pictures will be taken by Alan MacEwan, photographer, of St. Louis. He will be here to take pictures October 24, 25 and 26, at the Rollamo office, in the Power Plant building.

#### Schedule:

Oct. 24—7:00-9:00 p. m.

Oct. 25—1:00-5:00 and 7:00-9:00 p. m.

Oct. 26—10:00-12:00 a. m. and 1:00-5:00 p. m.

Because of the change of photographers, last year's cuts will not be accepted.

## Miners 38, Mo. Valley 7

### Aerial Attack Wins Third In Row For Miners

#### CHIEF BUEHLER DESCRIBES BAGNELL AT A. I. M. E. MEETING.

Termed as probably the most authentic and complete description of the Bagnell dam project was the talk by Chief Buehler Friday night before the meeting of the local A. I. M. E. and a number of distinguished St. Louis members. He spoke in the absence of Dr. Swartz, who was to present a moving picture-lecture on lead mining in Spain, but was unavoidably detained.

An informal supper was held for 25 of the members at the Colonial Grille at 6 o'clock in the evening after which the group assembled at Norwood for the lecture.

"Few people, especially those of Missouri, have a true conception of the immensity of the Bagnell hydroelectric power project," Mr. Buehler said. "The huge dam, soon to be complete, is 100 feet high, 200 feet long and 125 feet wide and is being built at a cost of about \$35,000,000, including plant and power lines. At full capacity the plant will generate some 210,000 horse power from the water impounded behind the dam for 125 miles up the Osage river, nearly to Warsaw, Mo. This reservoir will form one of the greatest inland artificial lakes in the United

Nearly all the power of the St. Joe lead mines in southeast Missouri will be furnished from the Bagnell plant by a line to this region. The contract with the mining company and the public service corporation is one of the largest contracts ever made between a private corporation and a public service group. Two lines are being constructed to St.

Continued on page eight

### Two Conference Games In Bag.

A hard hitting Miner eleven ran rough shod over the comparatively weak defense offered by the lighter champions from Missouri Valley. In the three decisive victories gained this year by the Silver and Gold the Miners have scored a total of 124 points to their opponents 19. Of the three games two were conference matches.

Led by Captain Schofield's punting and broken field running the Miners opened up after a slow start and proceeded to tear the Viking team to bits. Thornton displayed perfect judgment in calling the plays while Hassler's passing was an outstanding part of the game. McDonald added many yards by his shifty, broken field running while he had glue on his fingers when it came to holding passes. Malik was back in form as a pass receiver. Koch and Sutherland proved disastrous to any Viking attempts at line plays, and Tomlinson was a stone wall in backing up the line.

The first quarter was spent while each team was feeling out the other. The teams seemed to be evenly matched and neither team advanced the ball closer to the goal line than the 20 yard line. The quarter ended with the ball in possession of the Miners on their own 20 yard line.

At the start of the second quarter Schofield kicked to the center of the field and after an exchange of kicks the Miners started a march from the center of the field which scored the first touchdown of the game. Thornton and Hassler hit the line for consistent gains while Schofield carried the ball the final 8 yards



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by an end run. The try for point was missed.

The Miners kicked off again but Missouri Valley fumbled on the second play and the Miners recovered only to be penalized 15 yards for interference. Hassler attempted two passes in succession, the second for about 40 yards to Malik who scored. Once again the Miners kicked off and again the Vikings fumbled after two plays and Hassler pulled the same pass this time to McDonald for 35 yards and another touchdown. Koch kicked goal after the first touchdown but the Miners were off side. The second try for point was missed. The last touchdown was made with only three seconds to play and the half ended with the Miners on the long end of a 18-0 score.

The Vikings kicked to the Miners who ran it back to the Viking 35 yard line. An exchange of punts followed with the ball never leaving Missouri Valley territory until Hassler and Thornton started another of their famous marches from the 40 yard line for another tally with Thornton making the final plunge. The try for point was good this time. The Miners kicked and after an exchange of punts the quarter ended with the ball in possession of the Miners on the Viking 15 yard line.

The Miners were penalized 15 yards on the first play in the final period but on the next play Schofield gave a perfect exhibition of broken field running for 30 yards and another touchdown. The try for point was missed. The Miners gained possession of the ball on their own 30 yard line and before losing possession of it McDonald had tallied by a wide end run after the ball had been placed in scoring distance by two passes, Thornton to Hassler and another Hassler to McCreight. The try for

point was good. Missouri Valley came back strong in the final moments of play and by a series of passes and trick plays placed the ball over the Miner goal line and kicked goal for their 7 points in the game.

**MINER SCRUBS DEFEAT**  
**MOUNTAIN VIEW 7-0.**

**Miller Scores in Third Period**

The Miner reserves won their second game in succession Thursday afternoon, when they downed the Mountain View aggregation by a score of 7-0, thereby leaving their own goal line untarnished. The tussle took place on one of these converted cow pastures with a 10 percent grade.

In the first half, although the Miners were in their rivals' territory most of the time, they failed to score. The Miners had the heavier line but this was offset by bad breaks, penalties and a scrappy Mountain View team.

At the beginning of the second half, things looked bad for M. S. M. A blocked kick gave Mountain View the ball deep in Miner territory. But the home team stiffened, held that line to burst the Mountain's bubble. The Miners then became infuriated about something or other and marched 90 yards for a touchdown. This grand parade was led by Miller and Coil. Hales again showed good judgment in calling the plays. No scoring was done by either team in the fourth quarter. Barr and Carolosi played well in the line, while Miller and Coil were the outstanding backs. The Miners made 120 yards from scrimmage to Mountain Views 60 yards, and gained 8 first downs as compared with their rivals 5.

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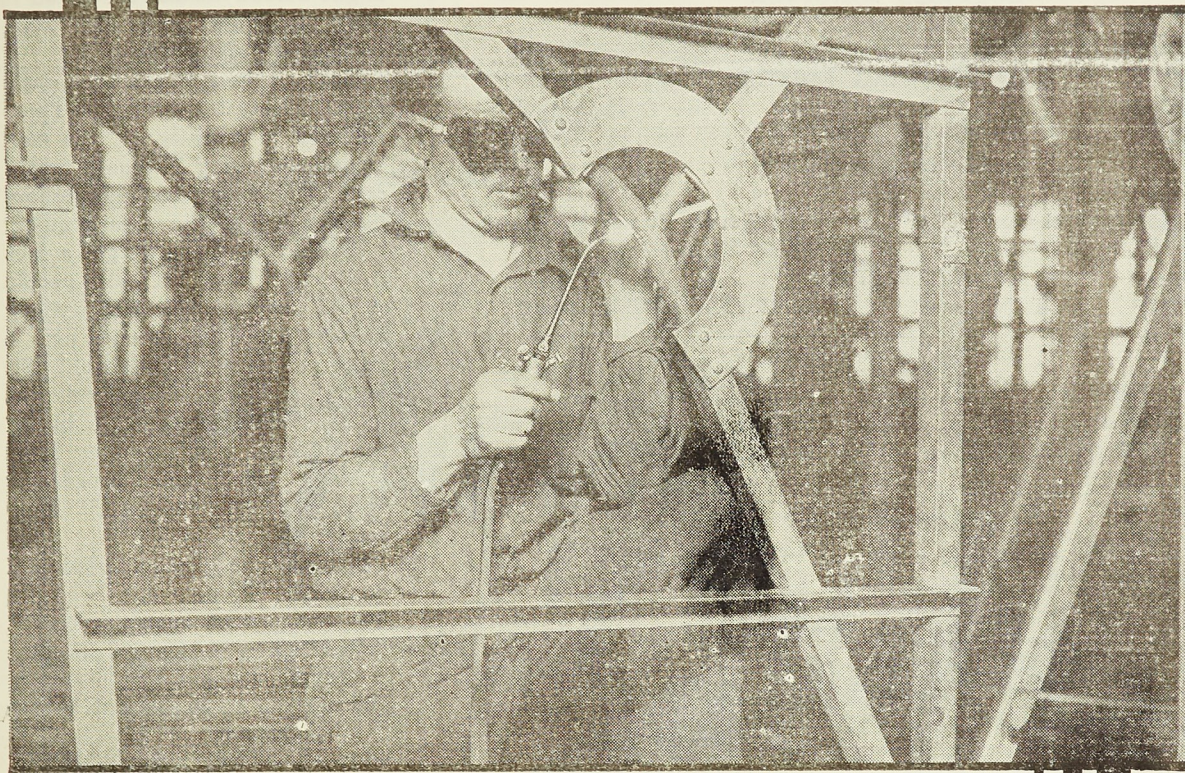
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## THE MISSOURI MINER

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, Missouri.

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### THRU THE TRANSIT

Come, take my hand, Arabella,  
and we'll to our speed boat and  
away in a cloud of dust.

Axe says he don't know what  
he'd do if it wasn't for the Miner.  
He reads all about the football  
games as soon as his eye sight re-  
turns. Last week he went for  
some transit oil to oil up the old  
transit and was found later  
wandering aimlessly about the  
"Schutes."

It appeared that all the alumni  
had a large time Homecoming. I  
hope that my Bromo Seltzer stock  
goes up a point or two.

To Nip Offutt, our imperial  
sports writer, goes the sheet metal  
loving cup. Due to an unfortu-

nate accident he failed to get an  
introduction to his Homecoming  
drag and later in the evening  
finding a likely damsel made off  
with her supposedly making a  
"rural chappie" of her boy friend.

Later last week it developed  
that it had been his own date.  
The first case in history of any  
one "country-boying" himself.

The other day, Bugs, Axe and I  
strolled into the office for a con-  
fab with ye Ed. We didn't know  
whether to print this or not, see?  
The Chief says go ahead, so here  
it is, men. One night last week  
we caught this boy Si, that writes  
all these letters to Ma and Pa,  
back in dear old Something-or-  
other, singing to that Chesterfield

adv down Ninth street from Fol-  
lowill's.

At the Homecoming game one  
of the Q. V. Kids chased a bulldog  
all over the bleachers trying to  
bite him (the dog). 'Twould have  
been a rare morsel of news for a  
cub reporter had he succeeded.  
We might suggest that anyone  
who wishes to fight a bulldog  
might borrow Axe's face to do it  
with. It would give any self-  
respecting bulldog the D. Ts.

Having been the transit man  
for this party for some time I was  
referred to recently as "the man  
behind the gun." The only time I  
care about being the man behind  
the gun is during a physics quiz.

You ask me have we got a foot  
ball team. You, of all people  
should ask me that. Everybody  
knows that. What we need now is  
bigger and better opposition. St.  
Louis may be able to furnish it,  
but just now I haven't a bit of  
loose change that says they can.

Many years ago Longfellow  
(peace to his immortal soul)  
wrote:

Oh, stay, the maiden cried and  
rest,

Thy weary head upon this breast.  
A tear stood in his bright blue  
eye,

But still he answered with a sigh  
Excelsior!

To which Bugs replies:  
Now in those days of olden dress,  
The girls were padding on their  
 chests,

And every lady wore a gown,  
That rustled from her tongsils  
down.

Still when this maid asked him to  
stay,

His head upon her breast to lay,  
It was not nice of him to say  
Excelsior!

Q  
U  
A  
FRANK L. SMITH

I  
T  
Y

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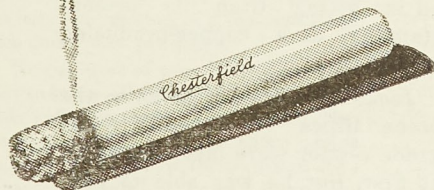
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### PUGNACIOUS FRESHMEN PROVE NIT-WITS

Of all the falls from grace we have had the trouble of observing, that of the Class of '34 is one of the most ignoble. Their beginning as a class was marked and noted in every sophomore's mind (and elsewhere) as that of the typical Mexican revolution. They had displayed, as our Spanish off-spring, a high quality of loyalty

and brute force, but it was hoped that they would not become too similar to our southern neighbors and show only a small intelligence. Our hopes have been our fears and now they are our actual facts. We speak of the first month's grade reports. Without a doubt, the present army of freshmen have done the worst work in class than even some of the seniors can remember. Their

strong backs greatly overshadow their weak minds. Truly we are disgraced. Our only consolation lies in the fact that they are now one of us and it is a case of "hanging together or hanging separately."

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Continued from page one.

his vision and enterprise as well as his scientific skill, one of the great copper-producing regions of the world. He is president of several mining companies and holds executive positions or directorship in numerous industrial and financial organizations.

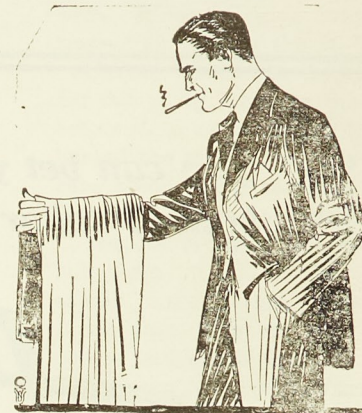
During the World War, Mr. Jackling as Director of Government Explosives Plants ended the United States and Allied governments by building powder plants and turning out the product in an incredibly short period. For this he was awarded the Distinguished Service Medal by Congress.

Mr. Jackling was born 61 years ago on a farm near Appleton City, Missouri, and his boyhood and youth were spent in this state. He worked on Missouri farms but was able to attend public schools in Sedalia. He obtained his first city job at St. Joseph when he was 19, which he gave up shortly to attend the State Normal School at Warrensburg. Later he worked his way thru the Missouri School of Mines at Rolla. From 1891 to 1893 he was assistant professor of chemistry and metallurgy at the School of Mines. The next year he decided to leave the academic field to seek his fortune in the Cripple Creek district.

Jackling worked in the Crippled Creek district as a chemist and metallurgist from 1894 to 1896. From 1896 to 1900 he was in charge of construction and operation of the metallurgical works for the Consolidated Mercur Gold Mines at Mercur, Utah.

It was at Mercur that young Jackling conceived the idea that the low-grade ores of Utah could be developed profitably if the right kind of mining and metallurgical methods along with large scale operations were conducted. It was the realization of Jackling's vision a third of a century ago that brought about universal recognition of that leadership in the mining field which has result-

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ed in giving Utah its present standing as a copper-producing region.

Jackling's suggestions as to the potentialities of Utah's low grade copper were met with scorn at first, but he was able to convince capitalists of the soundness of his views. In 1903 he organized the Utah Copper Company of which he is now the president.

### TAU BETA PI PLEDGES

The following men have received the distinguished honor of being pledged to Tau Beta Pi:

V. F. Ancill  
B. S. Followill  
E. K. Damotte  
E. W. Heilig  
Ben E. Elliott

The Miner board extends to these men its heartiest congratulations.

### QUO VADIS PLEDGES

The following men have pledged the Royal Order of Quo Vadis:

K. E. Evans  
W. T. Hanback  
G. M. Warren  
K. J. Stedelin  
R. A. Parker  
B. DeWitt  
J. R. Armstrong  
J. Grosshart.

Well, good luck, fellows.

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### DRAMATICS GIVEN

#### NEW IMPETUS.

The M. S. M. Players, student dramatic organization, has joined a college entertainment union, which will allow them to perform at other schools in this district

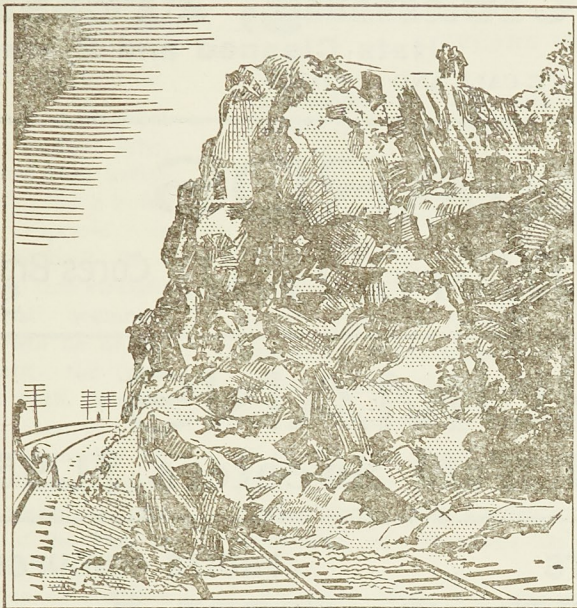
and will bring outside shows to Rolla. This means, in plainer words, that William Woods College will give a play here some time in December and that the Miners will reciprocate by giving their production of A. J. Milne's

"The Fourth Wall" in Fulton. (This is intended to boost the number of try-outs for the Players). The advantage of such a connection is evident, but it also announces that our dramatics have been recognized and that they therefore must be of some worth.

With the above thoroughly assimilated, a consideration of the Miner play would not be amiss. It is a mystery, with ex-cons, murder, women's intuition, love, and a clever, logical conclusion that will be a joy to the mightiest of lip-stick wielders. In fact, it is so mysterious that we cannot divulge any of the inner workings of the plot. Only the members of the cast shall know; and they—they shall never tell.

Watch the bulletin board for the disclosure of further secrets.

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No engineer of tomorrow can afford not to know all there is to know about this valuable tool . . . dynamite. You have a chance to learn more about explosives and how to use them . . . now . . . while you're still in college.

All you need to do is to write the du Pont Company for a copy of the *Blasters' Handbook*. This book contains a wealth of information about explosives—information gathered by du Pont in 128 years' experience in making and improving explosives. So valuable is this book . . . so compact and handy . . . it is used in the classrooms and dormitories of many of the leading technical institutions. Your free copy is waiting for you. Write for it.



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Continued from page one

Louis, where the remainder of the power will be utilized.

Development of the Gasconade river was foreseen within the next five years by Buehler, which project will mean much to power interests in this part of the state.

Of great interest to the geologists present was his explanation of the dealings with the rock formations at the base of the dam and the problems of the engineers in encountering unexpected sandstone. A great menace to Ozark region projects is the abundance of underground water-courses, he said, which give great opportunity for reservoir leak-

age. Engineers also have the problems of water peaks with which to contend. During the dry seasons, fall and winter, it will be necessary to supply power, additional to that produced by the dam, by means of steam plants, burning coal. To give an idea of the speed and efficiency with which the work is progressing, 5000 cubic yards of concrete are being poured daily. A local gravel contractor was unable to supply enough gravel, so the dam contractors, Stone and Webster, were obliged to organize their own gravel pits and conveyors for their concrete job.

Very interesting talks pertaining to subjects of great interest

to the geologist and mining engineer were delivered by Dr. W. E. McCourts, Mr. M. P. Wiegel, Mr. Charles Cunco, J. W. Robinson and Carl Stiefles.

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