



18 Nov 1930

The Missouri Miner, November 18, 1930

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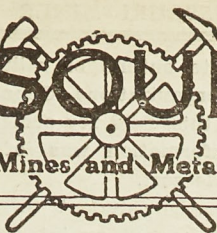
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THE MISSOURI MINER.

Missouri School of Mines and Metallurgy, Rolla, Missouri.



Vol. 17.

Tuesday, November 18, 1930

Number 10

PROF. H. SCHLUNDT TO DISCUSS RADIUM THURSDAY NIGHT AT PARKER HALL.

There could be very few subjects of more particular interest to the engineering student than a study of that ever powerful and elusive substance known as radium.

The general lecture program committee has been indeed fortunate in obtaining Mr. Schlundt, professor of physical chemistry at Missouri university, as one of the lecturers on the program. Mr. Schlundt has spent a large portion of his life in the study of radium, and in his discussion of the element next Thursday night, he will make an effort to emphasize enormous energy that is released from radium.

According to Mr. Schlundt, the radium atom by its disruption, releases a projectile whose speed is

Continued on page ten.

PROF. HARRIS PRINCIPAL SPEAKER AT FIRST A. S. C. E. MEETING.

Student Members Give Good Talks

The local chapter of the American Society of Civil Engineers opened their first regular meeting of the year last Tuesday night. Prof. Harris discussed engineering publications in general, and pointed out the benefit to be derived from them by the engineer who followed closely and wisely the various articles as they are published. He pointed out the fact that modern engineering methods are ever changing and are continually moving forward at a rapid pace.

The best way to keep up with the modern trend and advance is to read the articles, which are published by those who have first hand information. He urged in his usual sagacious manner that the student be selective in what he

Continued on page two.

MINERS LOSE TO TULSA 18-0

FINAL GLEE CLUB SELECTIONS MADE

Cullison to Develop 24 Voice Group

J. S. Cullison, glee club instructor, announces the final glee club selections to compose his 24 voice group. At the last rehearsal of the club last week, the roll was revised, excluding those members who did not come regularly. The men now chosen will function as the official M. S. M. glee organization for the remainder of the school year.

Selections are as follows:

First tenors: Teeman, Asher, Bennet, Bemberg, Rudert and Kew.

Second tenors: Braeutigam, Montgomery, Stone, Douthit and Taylor.

Baritone: Achuff, Warren, Steen, Pettit, Dreyer and Miles.

Bass: McClure, Schwraz, Blan-

Continued on page three.

MINER'S BOXING TEAM SECURE CARD WITH ST. LOUISANS.

Trainer Hahn Will Promote Show Here December 5

Lovers of fast leather work will have their day, December 5, when Herbie Hahn, Miner boxing instructor, will promote a six bout card with the best ringsters from Sherman Park community center, St. Louis. The fights, to be conducted in the gym, will be sponsored by the Rolla Business Men's Association, who are affiliated with the Mississippi Valley A. A. A.

"Shorty" Crippen, popular M. S. M. champ in the 147 pound class, will be matched against Tom Ryan of same weight. Hahn believes that this bout will be the big hit of the evening, as both have vast ring experience and are both hard-hitters.

Bout two will be between Makin

Continued on page three.

FIRST SET BACK OF THE SEASON FOR MINERS

Game Played in Heavy Downpour.

The Golden Wave staged a valiant fight in a heavy downpour of rain last Saturday but their best efforts failed to stop the clever back and charging linemen who represented the Tulsa University in the Skelly Stadium at Tulsa. The game was featured throughout by numerous fumbles on the part of both elevens with the breaks about even from this source.

The Tulsa bunch held their reputation for scoring in the first five minutes of play when Billy Boehm, fast Tulsa half, streaked around the Miner end for 32 yards and a touchdown in less than two minutes of play. The Miners held for the remainder of the quarter, but in the second periods the pounding of Pilkington, another hard playing Tulsa back, was not to be denied and two more counters were added in this period, both of them by Pilkington.

The Miners staged somewhat of a rally in the last half and almost the entire period was played on Tulsa territory, but the Miners lacked the final punch to carry the ball over after they had advanced it into scoring distance.

The fact that the teams were much more evenly matched than the score indicated is testified to by the resulting yardages and first downs. The slippery condition of the ball prevented the Miners from using their open playing and aerial attack upon which they had been counting to outscore the Tulsa bunch.

The worst break of the game for the Miners was in the third period when Hassler's pass from the touchdown formation slipped through Kerchoff's fingers. The pass was perfect, Kerchoff was just over the goal line, and no one

Continued on page six.

LORNA DOONE JAXON SINGS AT PARKER HALL.

Lorna Doone Jaxon, prima donna contralto, sang at Parker Hall on the general lectures program last Thursday evening. The program was delightful, and it was deeply appreciated by a group of townspeople and students numbering approximately five hundred.

Mme. Jaxon, who is under the National Concert direction of Harry and Arthur Culbertson, sang four groups of numbers besides several encores. Two of the numbers most generally appreciated were Habanera, from Carmen, by Bizet and Stride la Vampa (Il Travatore) by Verdi.

The hearty applause which came in quick response to each number was not forced or merely courteous. It came spontaneously and enthusiastically.

Mr. Parsons, the accompanist, was formerly director of the orchestra at the Fox Theatre, St. Louis. It could be readily noted that his work at the piano, as well as Mme. Jaxon's vocal renditions, were something that could easily be appreciated. However, Mr. Parsons did not play the piano selections which has been scheduled, due to the antiquity and poor condition of the piano.

The entire program was one of the best of the year, and it is hoped that Mme. Jaxon may pay us another visit in the future.

PROF. HARRIS PRINCIPAL SPEAKER AT FIRST A. S. C. E. MEETING.

Continued from page one.

used as truth, and that he not blindly take, as truth, all that he reads in print.

Prof. Harris also pointed out that in spite of the present hard times the field for the engineers is still good and becoming better all the time. He basis this reasoning on the fact that at the present time construction is being rusher by both state and national governments in an effort to give the unemployed employment.

Ben Elliott gave an excellent talk on the subject of City Loan Surveys, going very much into detail and pointing out the financial returns which might be expected from this type of work.

Gene Harris then gave a brief

but complete outline of railroads and their organizations. Gene has worked in this field for sometime and his information was of the most reliable sort.

Surhe, another student member of the society, gave an interesting account of a foundation job which he worked on. His outline of the methods of excavation, and general foundation construction was of the greatest interest to all present.

The last of the talks by students was a discussion of Panama by Major Ware. Ware spent three years in Panama with the U. S. Marines, and he really knows his Panama. His talk was most delightful and was thoroughly enjoyed and appreciated by all present.

The Society has its meetings about once every two weeks and cordially invites anyone who might be interested, to attend them.

M. S. M. PLAYERS TO PRESENT "FOURTH WALLS"

CAST IS SELECTED

Practice Under Way

Now we know how to get the Miners out. Just intimate that there will be members of the fairer sex somehow remotely associated with whatever the idea is, and a mob soon gathers. Which will perhaps explain why the casting of A. J. Milne's "The Fourth Wall," to be presented by the M. S. M. Players, was so successful. There were eight parts to be filled, but twenty eager eyed, ambitious, would-be actors appeared to the call for volunteers.

The competition was so great that two try-outs had to be staged in order to get the cast selected. Miss Betty Harlin, who is directing the play, and the student members of the Players chose the following cast: Jimmy Ludgrove, A. F. Stover; Susan Cunningham, Louise Edgar; Adams, M. F. Murphy; Edward Laverick, D. D. Jenkins; Edward Carter, J. T. M. Smith; Major Fothergill, J. K. Richardson; Mrs. Fulverton-Fane, Leola Faudree Millar; Jane West, Dorothy Shaver; Arthur Ludgrove, S. E. Taylor; P. C. Mallett, H. C. Earle and "Sergeant" Mallet, B. J. Campbell.

The play itself is the story of a very clever murder and its solution, which all takes place in the

private sitting-room of Arthur Ludgrove. Ludgrove, twenty-seven years old, sent one man to be hanged and his two accomplices to do penal servitude for life for a murder they had committed in South Africa during the Boer War. The two lifers took a terrible oath to do Ludgrove in, but, as Jimmy says, when two men are given penal servitude for life, all they do is go on having it. And the scene might well have ended then and there if Ludgrove had not been murdered less than twenty-four hours after he related the South Africa incident. We actually see the deed preformed, but put yourself in the place of Susan and Jimmy and see if you could prove to the Sergeant that it was a murder instead of a suicide and who the murder was. The alibis are worked out to the last detail, but one, and that one is enough to get the man.

We will tell no more as yet, but beware, maybe you will be the next victim!

SPECIAL NOTICE

Pre-Registration

All students should read carefully the following directions in order to save themselves time and trouble.

Pre-registration for the second semester will start on November 24 and schedules must be on file in the Registrar's Office by noon, Saturday, December 20. All students who expect to be in school next semester must have schedules on file by that time, except regular first semester freshmen. Any student who is certain that he will not return to school next semester or who wishes to change from one curriculum to another should notify the Registrar before November 21.

Schedule booklets and trial schedule blanks can be obtained at the Registrar's office anytime after today. Each student should make out his trial schedule and report to his adviser to have it approved. Advisers are as follows: Miners, Prof. Forbes; Geologists, Dr. Muilenburg; Metallurgists, Seniors and Juniors, Prof. Clayton; Sophomores, Prof. Walsh; Civils, Prof. Butler; Mechanicals, Prof. Jackson; Electricals, Prof. Frame; Chemists, Dr. Schrenk; Ceramists, Seniors and Sophomores, Dr.

Holmes; Juniors, Prof. Dodd; General Science, Specials, Unclassified and Graduates, Dr. Woodman.

Schedules will be made out and approved as they have been in the past, assuming that the student will pass all courses on his present schedule. There will, however, be two slight changes which are worthy of attention. They are:

First: Since permissible schedules cannot be determined before pre-registration any student desiring to schedule more than 22 credit hours must file with his adviser a petition for the extra hours. These petitions will be acted upon after the opening of the second semester when the permissible schedules have been determined.

Second: The assignment of students to sections will be done as follows: If a student must schedule a certain section his adviser will assign him to that section. Otherwise, he will leave the section blank and make a note of the student's preference if he has any. The sectioning will then be done in the Registrar's Office and students' preferences will be observed insofar as possible. Those filing schedules first will receive first consideration.

When the schedule has been approved by the adviser the student is to file it together with the other cards given him by the adviser in the Registrar's Office.

The blank schedule which the adviser will have for each student will show on it the classification of the student. If the student wishes this classification changed he should speak to the Registrar about it when he files his approved schedule.

The schedule made out during pre-registration will stand as the student's official schedule for next semester unless he fails or drops some subject after pre-registration. In the latter case he will have to return to his adviser on registration day, January 19, secure a new approved schedule and report to the Sectioning Committee to be sectioned, just as in the past.

The big "blanket" form may be filled out in advance if the student desires. They may be secured at the Registrar's Office when the schedules are turned in. Students

who take blanket forms out at this time are advised not to fill out the two grade report forms or the class cards, since they may have to change them later. It is not necessary that the blanket forms be filled out until registration day but considerable time may be saved by doing it in advance.

First semester freshmen will not pre-register but may make out blanket forms if they wish to.

FINAL GLEE CLUB SELECTIONS MADE

Continued from page one.

Kinsop, Schamel, Morris and Gillespie.

Accompanists: Molloy and Dreser.

There is still one vacancy, though, in the club, Cullison says. There is room for one more in the second tenor section. Anyone interested may call him in the geological department.

The group is beginning work on their concert pieces now so as to be in readiness for the annual general lectures program which the glee club will furnish next March 5. There will be several appearances before this time however.

Selections will be made this week for the Miners quartet and double quartet.

MINER'S BOXING TEAM SECURE CARD WITH ST. LOUISANS.

Continued from page one.

of the locals and Les Walker, both of them 147 pounders—and how they can pound.

Another attraction will be the battle between Herb Kranz, Sherman boxing instructor, weight 150 pounds, and some other picked opponent, perhaps Jim Whalen, 147 pounds.

Herbie Hahn himself, who now tips the scales at 155, is seeking a skirmish with several hopes in St. Louis. "I'd like mighty well to get a match lined up with the Mississippi Valley champ in my weight, and there is going to be a hot time inside the ropes if I can meet him", Hahn says.

Harry Kessler, an M. S. M. grad and no mean pugilist himself, has been secured as a referee for

the fights. All bouts on the card will be held under amateur rules, that is, lasting from three or four rounds each.

Lyric Theatre

ALL TALKING

WEDNESDAY, NOV. 19

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Nov. 20 and 21

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WAY OUT WEST

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Cartoon and Comedy

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Night 10 and 35

SUNDAY, NOV. 23

Matinee and Night

FAST AND LOOSE

with Special Cast

Vitaphone Variety

with Jose Frisco

Matinee 2:30 p.m. 10 & 25

Night 10 and 35

MONDAY AND TUESDAY

Nov. 24 and 25

UP THE RIVER

with Spencer Tracy, William

Collier, Sr., Sharon Lynn

and Johnnie Walker

So This Is Marriage

10c and 35c

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GROCERIES

Opposite the Post Office
ROLLA, MISSOURI

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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Entered as second class matter April 2, 1915, at the Post Office at Rolla, Missouri, under the Act of March 3, 1879.

Subscription price: Domestic, \$1.50 per year; Foreign, \$2.00.
Single copy, 8 cents. Issued Every Tuesday

CORRECTION

In last week's Miner it was stated that Reeves Varsity Orchestra donated their services for the charity ball. It has come to our attention that we erred in this statement, as the orchestra did not donate their services.

The board extends its apologies to all concerned.

NOTED ENGINEERS

LOST ON TOUR

Rescue Party Commissioned

By Squint.

No word has been received from Axe and Bugs after they left Columbia last week end. Salt-

water Sam, an intrepid or insipid sailor, has been commissioned to take command of the rescue party sent out by the Missouri School of Mines.

At ten a. m. Friday the concrete submarine, designed and built by th C. E.s, was christened at Frisco Harbor. At the last moment a Stillson wrench was substituted for the christening fluid, Sam having taken that for medicinal purposes.

"I dub thee 'Blurb', said last year's St. Pats queen, knocking two yards of concrete off the bow of the sub as it slid down the ways into the harbor. The crowd on the bank cheered lustily as he stepped back to avoid the splash.

Wireless reports will be received hourly by the anxious crowds gathered around Parker Hall. To date we have for publication the following excerpts from the log of the 'Blurb'.

Log of the Concrete Sub. 'Blurb'
Out of the Port of Rolla
Bound to Get There

Friday, 12 M

Weather: Fair and slightly freckled.

Temperature: Not so hot.

Position: Horizontal or nearly so.

Course: Very coarse.

Cleared Frisco harbor and submerged to six fathoms. Came up sometime later off the coast of France to visit Vichy. Anchored off the coast of Austria to visit Vienna. (N. B. The Viennese beer is not as good as it was before the war). So far we have found no trace of the missing links.

1:45 P. M.

Just off the coast of Scotland, near Argyle. Stopped here to see the Belle of Argyle. Must like the Bells of St. Marys, only not so brazen.

4:00 P. M.

Came up off the coast of Germany after throwing overboard three Finnish, or nearly finished sailors, one typewriter, four cans of salmon and two sports writers, who were covering the voyage for the St. Louis Star. Stopped at Westphalia and learned that the famous Judge was no longer there.

We are now in very muddy water and must be nearing Jeff City.

Saturday, A. M.

Tied up for the nite off the coast of Columbia, S. A. (South America and not sex appeal). Found the first trace of Bugs and Axe here. They were seen leaving here last Sunday morning with considerable dough in the sock and a heavy list to the starboard bound in the general direction of Mexico to visit some penal institution there.

We are unable to travel at night due to a short circuit installed by the E. E.s.

7:00 A. M.

Anchored off the coast of Mexico. We have found another trace of the lost ones. They stopped here to visit a college. Fowl play is suspected. They were last seen clinging to a wreck that was taking a very staggering course

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A COLLEGIATE DICTIONARY

The Daily O'Collegian, our illustrious counterpart at Stillwater, Okla., has compiled the following intriguing and interesting dictionary of more or less collegiate terms. Dictionary follows:

Algebra—Mathematics used by careless students who get their dates all mixed up.

Art Appreciation—The ability to read an art magazine purely for its help in your art course.

Bachelor—Male student who makes straight A's.

Broke — A tenth-of-the-month condition; way of refusing roomo, the price of admission to a show; word familiar to house managers.

Cut—Way of avoiding tests; words used by stewards when breaking in at steward meetings.

Date—Evening's seance which may result in anything from marriage to murder; (late) date, manner of punishing one's self for being delinquent in matter of filling book.

Dorm—Place believed by many high school students to be center of campus social life.

Frosh—Young man who learns that college life isn't what scenario writers and reformers paint for credulous readers.

Football — Reason for many sheepskins now owned by large men.

Fun—Word peculiarly obnoxious to dean of women.

Goody—Expression of delight common to first-year students; one who will not listen to risque joke.

Grad—One who makes the mistake of being graduated from college.

Heel—Member of rival fraternity.

Harem—Group of co-eds dumb enough to believe chatter of smew-thies.

Horse—One who has fallen into disfavor with speaker.

Honey—Broadminded co-ed; one

who is conscious of the feelings of her companions.

Invalid—Student who has informed teacher that she forgot today was day named for test.

Irony—Expression used by intellectuals, meaning, "ain't that tough."

Louse—Member of rival fraternity during rush week; synonym for roomo habitually out of tooth paste.

Neck—Noun commonly used as verb.

Neophyte—Versatile student who blushes sometimes at one extreme, sometimes at the other.

Oops—Ejaculation of student as he leaves straight and narrow.

Open—Kind of night popular with socially inclined.

Obstacle—Pledge; thing in way of swinging oak.

Pot—Member of rival sorority; pile of money or chips.

Prototype—See Websters.

Queer—One who does not believe as you do; member rival fraternity.

Risque—Jokes told by traveling salesmen.

Rough—Jokes told by football players.

Rotten—Jokes told by co-eds.

Slouch—What a freshman thinks he's not; member of rival fraternity.

Sluggard—Student who isn't interested even in football games.

Tramp—Member of rival fraternity or sorority during rush week; college man who graduates from wrong school.

Underdog—Dog on ground during dog fight.

Woman—Female before or after college days.

Wren—See woman.

Wench—See wren.

Weenie—See wench.

XSRXES—Word containing 'X'.

Youth—College men as depicted in movies.

Zero—Mark on exam paper.

THRU THE TRANSIT

O. O. McIntyre once remarked that ninety percent of the population were "yaps." The crowd that gathered about the cage of Leo, Metro-Goldwyn-Meyer's lion, helped to prove that. We claim no exceptions for ourselves for we were all there and quite atwitter. We will all concede, however, that we would be more than that if we

met Leo strolling down Pine St. on a moonlit night.

I made one mistake when I said we were all there. Axe was not there. Not because he is not a yap, because of all the yaps that ever lived, Axe is by far the yappiest, but because poor Leo took one look at that misused tomato, which Axe calls his face, and tried to crawl under the floor boards of his cage.

Some one found Al Reid in a state of complete dementia after a Mineralogy quiz last Monday. He was dashing madly about Norwood Hall with a goniometer, measuring all the angles on the Newell posts of the banisters and muttering incoherently about grade points and front-right-upper tetarto bipyramids.

ALUMNI NEWS

C. B. (Chick) Kentnor, '24, Surface Combustion Co., New York City.

D. W. Blaylock, '15, Madison Coal Corp., Glen Carbon, Ill.

Joe N. Harris, '25, Rockford Drop Forge Co., Rockford, Ill.

F.S. Elfred, '17, Evans-Wal-lower Zinc Co., East St. Louis, Ill.

Hanley Weiser, '18, Western Electric Co., Hawthorne Works, Chicago.

Clyde Boismenue, '27, Sales Dept., Illinois Steel Co., Chicago.

E. P. Barrett, '09, U. S. Bureau of Mines, Minneapolis, Minn.

Leo Schapiro, '24, Research Dept., Illinois Steel Co., South Works, Chicago, Ill.

Allen Potts, '20, Simonds Saw & Steel Co., Lockport, N. Y.

F. P. Kohlbray, '22, Tool Steel and Machinery Salesman, St. Louis.

B. N. Daniloff, '29, Batelle Memorial Institute, Columbus, Ohio.

G. E. Johnson, '16, Gen. Supt., International Lead Refining Co., & Anaconda Lead Products Co., Hammond, Ind.

I. G. Knoebel, '25, American Steel Foundries, Indiana Harbor, Ind.

Wm. Ehlers, Jr., '13, is manager of the West Wind Company, distributors of West Wind ventilating fans, located at 6038 Delmar Blvd., St. Louis.

Ralph R. Cammack, is teacher of chemistry at the Marion High School, Marion, Ill.

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MINERS LOSE TO TULSA, 18-0

Continued from page one.

was within 15 yards of him but the oval was just too slippery to hold.

The reason for so many unrecovered fumbles seemed to be due to the fact that the Miner backs were trying to grab the fumbled ball and run with it instead of falling on the oval, when both field and ball were slippery.

The Miner attack was based around the ground gaining tactics employed by Thornton, who was by far the steadiest and most consistent gainers for the Miners in the contest. Schofield made nice runs when he could hold the ball, but his numerous fumbles proved very costly to the Miners. McDonald got away for several nice gains in the first half, but losses totaled more than his gains in the last half. Gibson proved to be a main stay in the line, while Tomlinson was getting the slick ball back from center in good shape.

Rather outstanding was the defensive playing of Hughie Dinsmore, who was in the game for only a few minutes in the final period.

The Miners received the initial kickoff, but after one try at the Tulsa line Schofield punted to the center of the field. The combined efforts of Pilkington and Boehm resulted in a touchdown in three successive plays. The Miners received again but soon fumbled. After a Tulsa pass had been completed over the goal line Schofield, McDonald and Thornton made three successive first downs in three plays. This march was stopped when Schofield fumbled on the Tulsa 35 yard line. Tulsa punted deep into Miner territory, but after several tries at the line Schofield fumbled and was downed on his own 4 yard line. His punt from behind the goal line bounded out on the 17 yard line, but the Hurricane was stopped when another pass over the goal line was knocked down. So ended the first period with Tulsa leading 6-0.

At the start of the second period Hassler smashed through the Tulsa line for about 15 yards and Schofield added 10 more from an off tackle play, but McDonald fumbled on the next play and the Tulsa eleven marched from their own 40 yard line for another touchdown, without losing possession of the oval. The try for point was good but Tulsa was off side and the point did not count.

The Miners received and marched to the center of the field where Hassler's kick was partially blocked. The Tulsans with the aid of a penalty marched to the 8 yard line where they fumbled. Schofield booted a nice one to the 30 yard line but with beautiful interference a fast Tulsa back returned the punt to the Miners 34 yard line. After several more plays the Hurricane had again tallied with only a few minutes left to play in the half.

Again the Miners received the kick off and started a march down the field. They were held and Schofield kicked over the goal line. Tulsa fumbled after several plays but Kerchoff dropped Hassler's perfect pass over the goal line together with a chance to score. An exchange of punts followed and after Gibson had recovered a Tulsa fumble the Miners advanced to within scoring distance but another pass over the goal line was incomplete. Another exchange of punts and the third period had ended.

Both teams were credited with several fumbles in the early stages of the final period but the Miners kept the ball well down in Tulsa territory and again a Miner chance to score was stopped when another incomplete pass was chalked up against the Miners. Several exchanged punts followed before the Hurricane descended for the last time in a final effort to add another tally. In three long runs the Tulsa backs had placed the ball inside the Miner 5 yard zone but Dinsmore charged through and recovered a Tulsa fumble on the Miner 23 yard line.

Thornton advanced the ball about 20 yards in two plays but fumbled a few seconds later. The Tulsa bunch staged another attack at the Miner goal line but again Dinsmore stopped the advance by intercepting a pass just before the final whistle sounded.

Left end—Howard.....Malik
Left tackle—Thyman.....Koch
Left guard—Reynolds.....De Foe
Center—Griffith.....Tomlinson
Right guard—Sanford Sutherland
Right tackle—Volak.....Gibson
Right end—Littrell.....Londrigan
Quarter back—Dubie.....Thornton
Left half back—Boehm.....Schofield
Right half back—Beattle

McDonald

Full back—Pilkington.....Hassler
Score by periods.

	1	2	3	4	Total
Tulsa	6	12	0	0	18
Miners	0	0	0	0	0

Scoring, Tulsa: Touchdowns—Boehm, Pilkington (2).

Officials: Referee—John B. Old (Kansas); Umpire—Grady Skilern (Oklahoma); Head linesman—Carl Sears (Central Missouri).

Summary:

Scrimmage: Miners, 201; Tulsa, 260. Passes: Miners attempted 9, none complete; Tulsa attempted 7, 1 complete; for 20 yards, 1 intercepted. Punts: Miners, 8 for average of 31 yards; Tulsa, 8 for average of 38 yards. First downs: Miners 13; Tulsa 8. Fumbles: Miners recovered 9 fumbles; Tulsa recovered 8 fumbles. Penalty: Miners 2 for 20 yards; Tulsa 6 for 75 yards.

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DRY CLEANERS

DYERS

southeast along route 40 and prob-
ably bound for St. Louis. We are
laying over here to take on some
groceries and make some repairs.
This ship is making history. If
the motors that the M .E.s install-
ed would only run and if the C. E.s
had not shorted the mix so that
the concrete didn't leak, we could
make better time. Alls well and we
expect to find the missing engi-
neers before they have sixteen
cuts marked up against them.

(Signed)

SALT-WATER SAM,
Capt. of the Blurb

She: I'm telling you for the last
time that you can't kiss me.

He: Ah, I knew you'd weaken
eventually.

PALACE BARBER SHOP

JUST OPENED

EXPERIENCED

WORKMEN TO GIVE YOU

SPEEDY SERVICE

BOWLING

AT

RECREATION ALLEYS

Afternoon 10c Line Evening 15c

MINERS ESPECIALLY

INVITED

Tournaments—Our Specialties.

JESSYMAE TEA ROOM

PLATE LUNCHES

SANDWICHES — SALADS

AND

SHORT ORDERS

We Recommend

GENUINE ZEIGLER COAL

Our Carborated Beverages Excel

We solicit your business

OZARK SUPPLY CO.

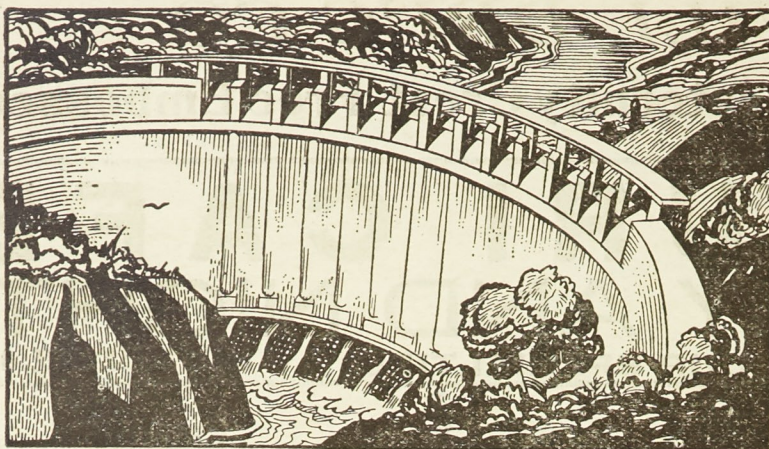
PHONE 66

ROLLA STATE BANK

ROLLA MISSOURI

JIM PIRTLE

WATCHMAKER & JEWELER

DYNAMITE clears the way for modern engineering wonders*The great dam of the Waterville Development*

The Waterville Development

*more hydro-electric power
for the South*

How dynamite was used in the construction of this great project

THE Carolina Power and Light Company needed more electric power to serve the territory in which it operates. The result was the Waterville Development . . . a vast hydro-electric project located in the Great Smoky Mountains.

The actual working of this project involved the erection of a constant arch dam, 183 feet high . . . three tunnels varying in length from 5,000 to 16,000 feet . . . three penstock tunnels 600 feet in length . . . a vertical shaft known as a gap shaft . . . and a surge tank shaft.

From the Waterville Development, transmission lines carry the current to many points in Carolina and Tennessee. The tremendous power of the Great Smokies serves to turn

the wheels of industry and light the homes of thousands of people of the South.

Such a development would not have been possible without the use of dynamite. Du Pont explosives were used for all blasting operations.

The engineer of tomorrow needs to know all there is to know about dynamite . . . the tool that helps to build skyscrapers, bridges, dams, subways, tunnels, roads and railroads.

How can you know more . . . now . . . while you're still in college? Write the du Pont Company for a copy of the "Blasters' Handbook." This booklet contains a wealth of information about explosives . . . information gathered in twenty-eight years' experience in making and improving explosives. It is compact . . . handy. It is used in the classrooms of leading technical institutions. Your free copy is waiting for you. Write for it.



EXPLOSIVES

E. I. DU PONT DE NEMOURS & CO., INC., Explosives Department, Wilmington, Del.

OLD POST CARDS AND

USES FOR THEM.

As soon as somebody solves the used razor blade problem we have another for him. What shall we do with the post cards we got from vacationing friends this summer? We have a view of about every thing from "Georgia Cotton Pickers at Work in the Fields" to "Notre Dame from the River" (any river), and we've just about had to move the piano out to

make room for them.

In one of our blacker moods we had a good notion to make them into one ponderous volume and give it the ironical title "My Vacation." Seriously though, we have worked out a pretty sound solution which will have to do until someone finds the perfect one.

First, take five or six aspirins to deaden the pain which that old streak of sentimentality will cause you. Go through the cards and

sort them. Send all the pictures of the Union Station in Kansas City to a fictitious address in France. They may come back to you by next spring, but you'll have them off your hands for the winter.

Collect all the pictures of museums, art galleries and libraries and bury them in the garden.

Equestrian statues will probably hold you for a minute. The best thing to do is to frame half of them and grind the rest up for bird seed.

There will be a lot left. Tie them together with Junior's sled rope, saturate them with gasoline and put them down in brine.

PHYSICAL EXAMINATIONS AT THE HOSPITAL.

Dr. William W. Graves, Director Department of Neuro-psychiatry, St. Louis University, School of Medicine and W. Farrar, during the past weeks, have been recording observations and measurements on the freshmen, sophomore and senior classes at the Missouri School of Mines. They expect to make a similar study of the junior class in December. Dr. Graves has devoted many years to the investigation of healthy and known-to-be-sick groups in various parts of this country. He states that the student body in Rolla compares favorably with the best, and is superior in some respects to other healthy groups. The goal toward which he is striving is the certain recognition of those physical features common to the sick on the one hand, and the known-to-be healthy on the other. If these may be found and differentiated, the physician of the future can better recognize the plus potentially sick, the unduly disease susceptible and the poorly adaptable of the race. Thus, through proper guidance, the physician of the future may be able to prevent serious illness in many who might otherwise become sick.

J. A. ALLISON JEWELRY STORE

A good place for Students
to play around

YOU ARE ALWAYS WELCOME
ALLISON, The Jeweler
711 PINE STREET

1855 • SEVENTY-FIFTH ANNIVERSARY • 1930

STEEL *under* the microscope

Burnished mirror-bright, etched in an acid-bath, a shiny square of steel is placed in the projector microscope in the metallography room at Crane laboratories.

To the layman, the texture disclosed is surprising as the filigree design of magnified snowflakes. Sometimes it is like a relief map of mountain ranges, sometimes like finely veined marble, sometimes like cumulous clouds.

But to the scientist in metals who judges it with a connoisseur's eye, the surface tells a far wider story. It discloses coarse uneven or beautiful fine grains, tells of disproportions and proportions of constituents in the alloy, speaks volumes concerning malleability, ductility, hardness . . . gives a key to action of the metal in service, all based upon knowledge of the product.

Careful metallographic records of all metals used in Crane valves and fittings, painstaking microscopic examination of all new metals offered for possible use, are a part of the check and double check and triple check which is routine in Crane research and manufacturing.

The full story of Crane application of chemistry and science to metals is told in a fascinating book, "Pioneering in Science." It is a valuable reference book for students. Let us send you one.



PIPING MATERIALS TO CONVEY AND CONTROL
STEAM, LIQUIDS, OIL, GAS, CHEMICALS

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Branches and Sales Offices in One Hundred and Ninety-six Cities

TRIANGLE MID-SEMESTER DANCE

A most enjoyable dance was given by Triangle fraternity Saturday evening. Very delicate lighting and the Varsity Orchestra in their new costumes of blue and gold, served to enhance the evening of pleasure. Punch and cookies added to the delight of those present.

Dr. and Mrs. Schrenk and Mr. and Mrs. Coffman were present as chaperons. The evening was climaxed by the late and unexpected arrival of a number of alumni, namely: L. W. Pickles, Louis King, and the Lacy boys, Ralph and Roy, all with their respective lady escorts, which afforded a successful week end also.

ROLLAMO BOARD DANCE

The Rollamo Board will give a dance Friday, Nov. 21, at Jackling gymnasium. The board is endeavoring to raise money to make this year's Rollamo the biggest and best ever. Music will be provided by Reeve's Varsity Orchestra, and it is hoped that the students and towns-people will turn out in great numbers and make this dance successful, not only from the standpoint of whoopee, but financially as well.

SATYR PLEDGES

The following men have been announced as Satyr pledges. The Miner board takes this opportunity to congratulate them.

Ralph Richmond
W. M. Gilmore
W. J. Jabson
F. S. Nazie
C. H. Lambur
D. Lindblad
R. A. Parker
J. L. Swally
G. Heligman
B. K. Miller
G. Warren
V. Asher
P. Stein

Five sure ways to tell a freshman:

1. His dumb look.
2. His dumb look.
3. His dumb look.
4. His dumb look.
5. His dumb look.

Kissing is like quarreling, it takes two to do it and one is apt to get pretty hot.

TO SLIDE RULE OWNERS

MAKE IT EASY TO READ. GET A MAGNIFYING GLASS AT

SCOTT'S--THE MINERS' CO-OP.

E. E. SEASE

Cleaning, Pressing,

Hats Cleaned and Blocked

WE CALL AND DELIVER

PHONE 188

BILLIARDS

at Smith's Billiard Hall Cures Brain and Stomach Fag

SCHUMANS

Complete Line of Arrow Shirts and Interwoven Socks

FANCY GROCERIES AND MEATS

FRUITS AND VEGETABLES

We Deliver **ASHER & BELL** Phone 17

National Bank of Rolla

Rolla Billiard Hall

UNDER NEW MANAGEMENT

126 8TH S

BUSY BEE CANDY ALWAYS FRESH AT

FAULKNER'S DRUG STORE

The Rexall Store

CALL HOME

TONIGHT

REDUCED STATION TO STATION RATES

After 8:30 p. m.

UNITED TELEPHONE CO.

ROLLA, MISSOURI

ROLLA SHOE SHOP

Next to Post Office

We are not preachers but we do

save SOLES

W. C. GLAWSON, Prop.

Continued from page one

simply too enormous to even be compared with the speed of a bullet leaving a rifle. This radium bullet, a mere atom, is called the alpha ray.

Prof. Schlundt intends to discuss the physical, chemical, and physiological effects of this alpha corpuscle, particularly will he speak on the last named effect.

He will elaborate by referring specifically to the 'five girls' who, a few years ago received such extended press notices.

Prof. Schlundt has been conducting tests on these girls at various times, and he will, from first hand information, describe to

you the effects of radium in these cases, and the remedial measures and treatment which have been tried to help the sufferers.

His story is one of human interest, one which deals in the miraculous cures sometimes brought about by the use of radium rays. He will tell us of the difference in the type of rays, and will try to explain why in some cases the element which has such wonderful effects on cancer, causes such suffering when lodged in the body as 'Radium Poisoning.'

This lecture promises to be well worthwhile, and it is hoped that Prof. Schlundt will face a capacity house next Thursday night at Parker Hall.