



20 Oct 1950

## The Missouri Miner, October 20, 1950

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# THE MISSOURI MINER

Missouri School of Mines & Metallurgy

VOLUME 37

ROLLA, MO., FRIDAY, OCT. 20, 1950

NUMBER 5

Miners

Maul Mules

Story ..... Page 3

Aw Whats The Use

No One Reads It Anyway!

Editorial ..... Page 2

## FRATERNITIES WILL AGAIN COMPETE FOR DECORATION AWARD

The annual M.S.M. Homecoming takes the spotlight in the list of activities for next week-end. Many of the "boys from industry" will journey back to Rolla for a weekend of relaxation and to spend a few hours renewing old acquaintances.

Entertainment for Friday night centers around the fraternities where informal drop-ins will be held. On Saturday afternoon, the Miners play host to their arch rivals the Springfield Bears in what promises to be a bloody battle. Saturday night the St. Pat's Board is sponsoring a dance at Jacking Gymnasium from 9 p. m. until 1 a. m. Glenn Richards, who has played at various fraternity dances during the past year, will supply the music. Tickets to the dance are going fast at the conservative price of \$1.50 stag or drag.

As has been the tradition during the past years, the fraternities will again compete for the trophy which is offered for the best house decorations.

## ART AND CAN CAN ADMIRER BY THETA XI

Well, after a nice quiet week at the Theta Xi house, the solitude and peace has been sharply disrupted by the return of the Petroleum and Mining students from their respective Senior Trips.

Usually such trips inspire tales of doubtful credibility, and we have more than our share of such exploits. The most interesting of each of the trips is better told than written about. It is suggested that the reader question the men involved and see what his opinion is.

The Mining Trip provided "Crazylegs" McEvilly with the foundation of a tal which is generally believed to have been minimized. He claims that he can't remember when he lost it. His watch, that it. Come on Mac, let's have the truth on how you lost your watch.

Don Wiseman and Thom Walsh returned from the Petroleum Trip with a memento and a whimsical smile on their faces. It seems that while they were enjoying the performance of an Oklahoma City "artist," she happened to notice that they were watching her every move with more than casual interest, and so she gave each of them a small part of her costume. These two happy Miners are now sleeping with their souvenirs under their respective pillows.

Ah, carefree youth in all its foolish recklessness.

And while the Seniors were away, part of the Fraternity was not to be denied. I'm not saying that they were excused, but I guess they deserved their party. And it was with much amusement that the following sights were noticed and enjoyed:

a) Keith Wick attempting a demonstration of the Can-can, and thinking that he was very graceful. Ha.

b) The same Mr. Wick and Frank Wees wrestling in the living room, and looking for all the world like two bulls butting heads over a heifer in the South 40.

c) Gene Vanderheyden and Jack McBrayer using the same large bowl in which to place the cookies they had accumulated during the evening.

d) Vince Hession playing bridge like he knew how.

### LOST

2 cannon wheels. Anyone knowing the whereabouts or any pertinent information concerning the above articles, please contact the Kappa Alpha fraternity, 1301 State Street, immediately. Reward — \$1000 in confederate money.

## Dr. Spreng, Explorer, Is New Geology Prof

How would you like to take off some scorching June day and spend the summer flying around cool Canada in a Republic "Seabee" amphibian, camping out for weeks at a time? Sounds like a nice vacation, doesn't it? To some people it might be a vacation, but to Dr. A. C. Spreng, new instructor in the Geology Department, it's work. You see, Dr. Spreng for the past several years has been teaching field geology at such schools as Texas Tech, Kansas University, and the University of Wisconsin, and during the summers between, has managed to do quite a bit of startigraphic work for various geological surveys in Canada and southern Alaska.

On one such trip, while with Kansas University, Dr. Spreng and his expedition left Lawrence, Kansas, traveled to Edmonton, Alberta, which they used for their base of supplies, and proceeded to explore a large part of the Canadian Rockies, correlating a great number of rock outcrops of Paleozoic age by means of aerial photography, lithology, and paleontology. Once, Dr. Spreng and part of his party failed to show up back at the base at the time they had set and the rest of the party hiked ninety miles over the worst type of terrain to find them. The ywere just approaching the place where the explorers should have been when they looked up and saw the amphibian headed back toward the base.

On another of his trips, working for the United States Geological Survey, Dr. Spreng packed through the muskeg country of southern Alaska, where horses sank hip-deep in the mud.

During the last four years Dr. Spreng has spent two at Kansas University, where he earned his Masters degree, and two at the University of Wisconsin, from which he received his Ph.D.

## Eager Theta Kaps Invade M.U. Campus For Work and Fun

On Saturday, fifteen members and pledges of Mu Chapter of Theta Kappa Phi attended the Second Mid-Western Providence Convention at Columbia, Mo. Upsilon Chapter of the University of Missouri played host to Delta Chapter of the University of Illinois and Mu Chapter of the Missouri School of Mines. Pi Chapter of St. Louis University was not represented. As evening approached it found the Stephens College campus invaded by eager faces waiting for those famous "Stephens blind dates". After looking over Stephens the Theta Kaps and dates returned to the Chapter House for an informal dance, which was enjoyed by all. The convention closed Sunday morning with the convention group attending Mass and Holy Communion in a body. It was a memorable occasion for all those who attended. The next convention will be held at the University of Illinois in the Spring. Everyone will be look-forward to visiting Delta Chapter.

## Critical Shortage of Engineers And Scientists Indicated in A. S. E. E. Survey

Students will be interested in surveys and predictions prepared by the Manpower Committee of the American Society of Engineering Education. A critical shortage of engineers and scientists is again indicated. It is most unfortunate that reports of oversupply through 1949 and the early months of 1950, because the plans of thousands of high school students were undoubtedly affected.

It is true that the largest class of engineers in history graduated in 1950, approximately 50,000, but most of these graduates were well-placed early in the summer, before the serious developments in Korea. The A. S. E. E. Manpower Committee has analyzed enrollments carefully, and it is now clear that the graduating class for 1951 can not be more than 35,000, for 1952 25,000, and for 1953 20,000 or less. Trends in freshman engineering enrollments indicate still further reductions beyond 1953 unless there is a marked increase in either the percentage of high school graduates who go on to college or in the percentage of college freshmen who enroll in engineering.

H. H. Armsby, Associate Chief for Engineering Education, Washington, reports that the freshman class of engineers before the war averaged about 3.2 per cent of high school graduates. Temporarily, after the war, this percentage rose to 8.6 but dropped back in 1949 to only 3 per cent of high school gradu-

ates. Incomplete surveys this fall indicate that the entering class in engineering will be even smaller than the class which entered in the fall of 1949.

Reports of the Bureau of Labor Statistics have emphasized for some time the expanding demand for engineers. Back in 1890 industry required about 4 engineers per thousand workers. This ratio has increased steadily to approximately 14 engineers per thousand workers in 1950. Members of the A.S.E.E. Committee attribute the expanding demand for engineers to the war-time demonstration of the value of engineering services, the increased use of engineers by government, expanding research in industry, the tendency of engineering to develop new processes and inventions which create needs for new kinds of engineers and technicians, and the growing tendency of employers to recognize the value of engineering training for jobs which have not in the past been considered engineering.

With an increase ratio of engineers to total numbers of workers and a decreasing freshman enrollment, the Manpower Committee predicted last June that we would encounter acute shortages of engineers and scientists by 1952. This was before the impact of the Korean crisis. With industry mobilization proceeding at an accelerated pace, we can report that the shortage is upon us now.

## REBELS LACK WEAPONS; UNION TROOPS ON PROWL

Reward for any information leading to the recovery of a pair of cannon wheels filched from the battlements of Fort Kappa Alpha. Will consider selling cannon to party now in possession of said wheels. What in the world would anyone want with two cannon wheels? Maybe there are a few inventors at 1201 State Street who need some means of locomotion. Come on, fellows, give 'em back. Jeff Davis is raising the devil. How are we going to make our pilgrimage to Gettysburg without our cannon, for shame!

We notice the fellows aren't so eager to see the mailman anymore. Just ask Puffy Wilson. Uncle has become quite unpopular these days because of the great amount of correspondence he's been passing out lately. We'll be needing an honor roll if this keeps up much longer.

The Kaste is getting primed for Homecoming which is just over the hill. Work is underway on our lawn display and it'll be a pip. A large number of alumna have indicated they'll be back, so I guess we'll be in our cups next weekend. See you all at the Pep Rally next Friday night.

### FOR SALE

2 cannon wheels. Anyone interested in purchasing these valuable historic relics contact Ulysses S. Grant, 1201 State Street. Priced reasonably.

## BLOODMOBILE TO VISIT ROLLA WEDNESDAY; NEEDS ARE INCREASED

The Red Cross Bloodmobile will visit Rolla again next Wednesday at the Methodist Church parlor from the hours of 1 to 5 p.m. and 7 to 9 p.m. All residents of Phelps County, aged 21 years or older, are urged to turn their names and addresses in to the Red Cross Office in Rolla, phone 1020 or 1130, or by postal card, and volunteer as blood donors.

In assisting the armed services with their needs for blood and blood derivatives, plus the usual peacetime blood service, the responsibility has been greatly increased, not only upon the Phelps County chapter, but also upon the nation-wide Red Cross Blood Program.

The quota set for the Phelps County Chapter is 125 pints of blood to be supplied Wednesday. Gen. George C. Marshall, president of the American Red Cross, emphasizes that blood supplies for civilian use must be maintained by greatly increased donation. Present plans call for stepping up blood collections at regional centers by 25 per cent, with additional increases as needed.

## Uncle Sam To Recall 'Short Term' Reserves

All Missouri members of the Army Enlisted Reserve Corps who are not members of active reserve units and who have had less than one year of active duty will be called to immediate active duty under orders received today by the Missouri Military District.

The directive will affect about 300 Missourians, a district officer said. He was not able to furnish a breakdown to show how many Reservists from each area will be called up. The order was received simultaneously in Missouri and the 12 other states under jurisdiction of Fifth Army headquarters, Chicago.

Orders were being prepared today, calling the men for physical examinations in the next few days at Missouri Military District, 12th and Spruce Streets, St. Louis, Missouri. Those who qualify are to be ordered to report to training centers between November 1 and November 10.

## WIRE SQUIRES TRAVEL TO BAGNELL DAM OVER THE PAST WEEKEND

Last Saturday morning at about 6:30 A. M., about 40 up and coming electrical engineers were rolling out of the sack to prepare for a field trip through one of the greatest power plants in the state, Bagnell Dam. A number of profs were also on hand for the trip.

As a warmup for the "main event", the electron chasers had a field day inspecting the communication equipment at the Jefferson City State Patrol Headquarters. The engineers in charge led the tourists through the entire plant showing the operations and answering questions put forth by the touring students. The general consensus of opinion after seeing the State Patrol communications system in operation, was that criminals would be a lot safer in jail. With the facilities they have available, the patrolmen can make it virtually impossible for a fugitive to travel without detection.

After the inspection tour of the State Patrol installations, the boys were left to their own devices over the dinner hour. Considering some of the speedsters who attended, I'm surprised that the Patrol didn't hear from us sooner than they expected to.

Upon arrival at the dam, the party was met by the assistant superintendent, Mr. Davis, who promptly began showing his guests the ins and outs of operating a large generating station. Since some of the profs who made the trip were communications men, our guide was forced to go into detailed explanations on such things as "Why are these so many large machines and so few of those all-important electron tubes?"

All in all the trip turned out to be a very profitable one from the standpoint of learning new things. All the men who attended were agreed that it is a very good idea to go on such trips from time to time and see what it is we here at the School of Mines are studying for.

## Joy Juice and M.U. Keep Sig Eps Happy

Stan Niemczura, M. J. Turnipseed and Eldo Koppelman journeyed to Columbia over the weekend as delegates to the 13th District Annual Convention. As a result, Missouri Gamma almost lost three actives. The wild tales they told of Columbia are still circulating through the house, and are growing in size each time they are repeated. The convention was a great success as far as this chapter was concerned, since many useful ideas were brought back by the delegates.

Sig Ep received a visit from one of the charter members last Monday, when Bob Ray stopped off on his way to California. Bob has spent the last week in St. Louis on his honeymoon.

The weekend proved to be very eventful for John McClinton, Bill Roemer, Bob Moore and Hank Andre. These Jolly fellows decided to liven up what was rapidly becoming a dull weekend, by throwing a party of their own. Someone had been reading about Lil' Abner, and it was decided to style the demonstration Dogpatch Style. Everyone grabbed their old socks, shoes and what have you, and threw them in the pot. With the addition of certain liquids, the mixture began to take the form and odor of the traditional Kickapoo Joy Juice of Dogpatch. Bill, Bob and John withstood the ordeal in good form, but Hank just couldn't seem to rise the next day. However, with the aid of J. Roaringham Fatback, Hank managed to make the evening meal.

Sig Ep wishes to congratulate Jim Degan upon his acceptance as a member of the Fall Pledge Class.

## Joint Meeting of AFS and Engr's Club Huge Success

### Smoke Swirls As Chi Eps Hear Prof. Lloyd

Last Thursday, October 12, Chi Epsilon held their fall smoker, for members and pledges. Room 300 Harris Hall was filled with cigar smoke as everyone puffed away and listened to a talk by Professor Lloyd, chairman of the Humanities Department. Prof. Lloyd gave a very interesting lecture on "Engineering, the Fifth Estate." In his talk he stated that the engineer should take a more active part in politics, and that the public would be very interested in hearing what the engineer has to say on important affairs of state. Prof. Lloyd also stated that if the engineers in this country ever united, they would become more powerful than any labor union, and could practically dictate the terms of their employment.

After the lecture, President Bob Zane introduced Pledgemaster Cal Lange to the pledge class and announced that there would be a pledge meeting the following Monday. Everyone then adjourned to the adjoining room, where they enjoyed doughnuts and some of Hugh Testor's piping hot coffee. The building was still warm from the coffee the following morning.

## MILLION FOR GEOLOGY BUILDING, AUDITORIUM REQUESTED FOR M.S.M.

President Frederick A. Middlebush has announced that the University of Missouri is requesting appropriations of \$500,000 each for the construction of a Geology Building and an Auditorium and Administration Building at the School of Mines. These were included in additional requests submitted to W. B. McGregor, assistant state budget director, for the 1951-53 biennium.

Dr. Middlebush explained that these were requests he had notified Mr. McGregor would be acted upon by the Board of Curators and submitted as supplemental to those presented on July 24.

Also included was \$100,000 for repairs and replacements at the School of Mines.

Appropriations requests last July included \$500,000 for the completion of and equipment for the Engineering Laboratories Building, and \$240,000 for the completion of and equipment for the Chemical Engineering Bldg.

## VIRGINIA U. REQUESTS ADVICE BY STUDENTS

Appointment of a special five-man committee to develop plans relating to the organization and operation of the Lower Division of the College of Arts and Science at the University of Virginia was recently announced by President Colgate Darden, Jr.

Dr. Lewis M. Hammond, professor of philosophy and head of the committee, said that the committee will be glad to have the benefit of opinions from interested students in its efforts to determine sound policies. He declared that in planning for the integration of entering students into the general life of the University, the committee is counting heavily on the assistance of student leaders, such as members of Student Council, Omicron Delta Kappa, and similar campus organizations.

July 25, 1951, is the cut-off date for starting GI Bill education and training for most World War II veterans, according to the VA.

## ST. LOUIS ENGINEERS CLUB'S ROLLA NIGHT PROVES HUGE SUCCESS

One hundred Rolla Miners helped make up the large audience of 215 men which filled the auditorium of the Engineers' Club at 4359 Lindell Boulevard at 8:15 p. m. last Thursday, October 12, where Dr. Paul Herold, Chairman of MSM's Department of Ceramic Engineering, gave an interesting, instructive and timely talk on the use of refractories in aeroplane jet engines to withstand the heat of 3000 degrees Fahrenheit and higher resulting from the combustion of gases in creating jet propulsion.

This was a joint meeting of the Engineers' Club with the American Ceramic Society and a group of about 50 Ceramic Engineers were in the audience. Following his lecture, Dr. Paul Herold answered and discussed many questions coming from the audience.

### Refreshment Period Proves Popular

Following the adjournment of the meeting the Club members and guests went to the third floor of the Club building where much fellowship in individual and group visiting was had with the eating of meat and cheese sandwiches consumed with soda and beer. At the end of 1½ hours when the 3 car loads of Rolla students and profs left for home the supply of refreshments, which had been replenished several times, was still going strong. A number of the miners who were guests of the Club were won over to filling out club membership blanks. Possibly they were influenced by the fellowship and refreshments of the refreshment period—which period seemingly is scheduled on 7 to 9 occasions per month for the 9 active months of each club year.

### Twelve Miners Join Club In October

At the October dinner meeting of the Club's Membership Committee held at Town Hall in Clayton at 6 p. m. on Monday, October 9, and attended by senior Civil Don Bertel and Prof. Joe Butler there were membership applications from 3 MSM students and 9 MSM grads. The students, all seniors, are Paul S. Pender, mechanical and Robert W. Buss and C. T. Schweizer, Civils. The 9 MSM grads are: Leon J. Costley, Jr., BSME '49; Michael J. Lelaney, Jr., BSME '48; Stanley Dolecki, BSCE '50; Ernest Fields, Jr., BS Ceram. E '50; Ellis C. Henry, Jr., BSCE '50; Frank L. Hillmeyer, BSME '36; Calvin M. Ochs, BSME '49; John C. Vorbeck, BSME '47 and John F. Welch, Jr., BSME '40.

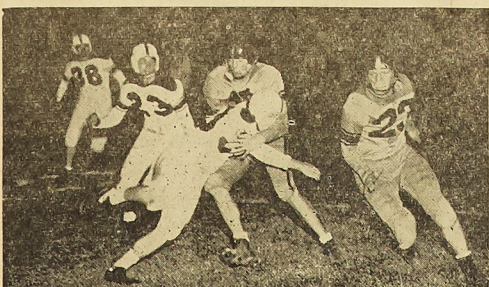
## SUGGESTIONS GIVEN BY STUDENTS AT DE PAUW U.

Student-Faculty Council at DePauw University recently established a student curriculum committee to consider student's suggestions or recommendations for the university curriculum.

According to the plan, the committee will have only advisory functions. The chairman of the faculty committee on curriculum and academic routine will act as liaison agent between the student committee and the faculty group.

The faculty suggested that the student curriculum committee consist of nine members—four seniors, three juniors, and two sophomores. The nine members would be chosen by the student-faculty committee on the basis of high academic standing.

### Ugh! My Stomach



Sticky-fingered Jim Titejens (17) piles up a few extra yards for the Miners at Warrensburg. Dick Thurston (23) coming up from the line to provide the blocking just a little to late. Jim tallied for one of our five touchdowns in the game.



## THE MISSOURI MINER



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## EDITORIAL

## Springfield Invades MSM Campus

Next week the Miners will play host to Southwest Missouri State College from Springfield. This has always been a hotly contested game and it has been one of the big games of the season. Since Springfield was the first team MSM ever played in inter-collegiate sports, it is no surprise that they have attained the position of the arch rivals on our gridiron schedule. Usually this game is scheduled for Homecoming weekend which adds to the fervor of the game.

Last year MSM's campus was invaded by a horde of students from Springfield. Paint and paint brushes in hand, they proceeded to scrawl their school's name over many of the walks and buildings. If you look closely, you may still find one or two obscure places where the paint still remains. Most of the paint was removed after using almost every solvent known to man excluding dynamite.

Not to be outdone in anything, some Miners traversed to Springfield and gave the SMS campus a thorough going over. There can be no doubt that the damage done by the Miners was as complete as that done by the students from SMS.

An interesting thing to note here is that the Springfield campus boasted a host of guards a few nights previous to the game, which proved no obstacle to the rampaging Miners. This is not meant to be a boast but rather to show the futility of such a plan, such as the one recently adapted by the Student Council.

No, the answer doesn't lie in the forceful guarding of the school's respective campuses. The only way to combat such wanton defacing of property and similar damages, is to stop them before they are even planned. No one denies that the traditional rivalry should be dampened in anyway whatsoever. On the contrary the spirit should be fostered and made to grow even more strongly. However, there is a limit where enthusiasm and mischief divide, and fall into two separate categories. Let's not let our good intentions and spirited thoughts be diverted from the ever important concepts of good fellowship and respect for the fellow man and his properties.

## Racial Discrimination!

Racial as well as religious prejudice has long been a social problem in our country. Needless to say prejudice of any sort is unjust and is a detriment to any person or persons who practice it. Yet in spite of this obvious fact, there is still much discrimination today. In the Letters to the Editor column this week the fact becomes even more apparent.

Rolla has had comparatively little discrimination due to its Caucasian predominance. However, with the infiltration of soldiers into the town due to the re-opening of Fort Leonard Wood, the problem has become more acute.

Since this year is the first year negro students have been enrolled at MSM, the problem of discrimination also affects us. Any discrimination against negroes is discrimination against students of this school and consequently against the entire school. Patronization of such bias enterprises by the students of the School of Mines should cease entirely!

## Chaney's Service

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## OUT OF THE MAILBOX

AN EXAMPLE OF  
ROLLA "DEMOCRACY"

Two young Negro soldiers, presumably from Fort Leonard Wood entered a newly established cafe here in Rolla. They were acknowledged readily by a frosty, "did you want something to take out?" . . . and taking the welcome at its face value they left.

One who had only a superficial acquaintance with the town (Rolla) would likely agree with the merchants and town officials who herald progressiveness from the rooftops when ever the opportunity presents itself. Others, who are better informed, might well question as to progressiveness of serving some Americans and not others.

Rolla has made commendable progress in many respects but "reserving the right to serve anyone" is a disgusting blotch on the perspective of Rolla business people. From a mercenary point of view it is recognized that Rolla is always ready to snare a stray American buck. To turn these dollars away from their doors because the bearer is not the right color is a wholly untenable argument for anyone claiming to rank higher than a moron.

To accommodate those "white" people who do not wish to eat sitting next to a Negro, and those restaurant owners who do not wish their patrons so put out, the writer suggests that these gems of humanity be served out in the alley where, among the rats and the stray cats, they may surround the festive board in august assurance that they are in their own element.

(Disgusted)  
(Signed) Allan A. Cole

Triangle Initiates  
Seven New Members

Last Saturday night Oct. 14, at 7:30 P. M., the Missouri Mines Chapter of Triangle held its formal initiation ceremonies. There were seven men who were initiated into Triangle Brotherhood. These seven men initiated are Dave Robinson, Bill Bennett, Glen Hook, John Zedalis, Bill Elwood, Jim Thompson, and Fred Bruch. Congratulations men.

After the initiation Saturday night an informal beer bust was held and a good time was had by all. It didn't take the new actives long to try out their newly attained authority. They started out by asking the freshmen pledges o button and they wound up by having a thrill circus.

On Sunday at 1:00 P. M., at the Initiation Banquet held at the house, Dr. J. Zaborsky, of the Electrical Engineering Department, gave a very interesting and informative talk on the subject, "Comparison of American Colleges to Central European Colleges". His talk was so interesting that it took him nearly a half hour to answer all of the questions that were asked him. The Toastmaster for the occasion was Brother N. C. Costakos, House Advisor and a Professor in the Mechanics Department.

## S &amp; M SUPPER CLUB

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ATOMIC ENERGY NOW  
BEING PRODUCED  
BY CHAIN REACTION

The first controlled chain reaction producing atomic energy in the northeastern part of the United States was initiated near here two and a half years ago.

This was revealed today by Dr. Kenneth H. Kingdon, technical manager of the Knolls Atomic Power Laboratory, operated by the General Electric Company for the Atomic Energy Commission.

He said that the reaction was achieved at the Knolls Atomic Power Laboratory in a PPA, for "preliminary pile assembly", which has been in regular operation since that time. PPA's, also called "zero power" reactors because they operate at very low power for safety in the laboratory, make possible the quick testing of mock-ups of different reactor designs.

Such a reactor, or "pile", will not function unless a certain critical amount of uranium 235 or other fissionable material is brought together, said Dr. Kingdon. The Knolls PPA first attained this critical condition, and began to yield small amounts of power, on April 22, 1948, at 4:20 p.m., EST, he said. Since then it has been brought to "criticality" some 2000 times.

The staff of KAPL, organized in 1947, has been engaged in designing a plant for generation of large amounts of useful power (Continued to page 4)

ment. He told some stories that were both appreciated and enjoyed. Well I guess that is all of the news for now. See you next week.

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## Peeking At The Past

Friday, October 22, 1920. Price 8 cents.

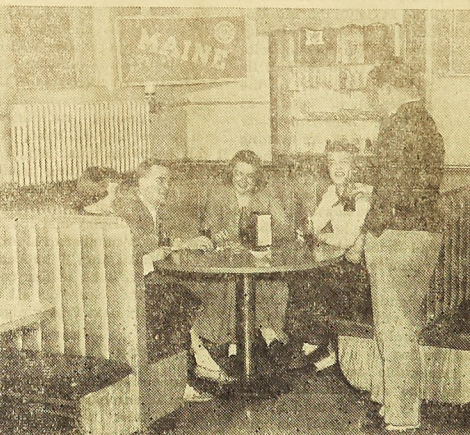
"Miners 33, Springfield Normal 15." Thus read the Missouri Miner of 30 years ago, as the "Best team since '14 won its second consecutive conference game of the season." It seems the football picture looked pretty bright at that particular time, but things evidently didn't progress in the right direction after that, as the Miners lost a few in the latter part of the season.

Sports occupied a large portion of the paper at that time, but space was found, to play up the coming Halloween Dance, sponsored by the St. Pat's Board. No masks were to be allowed, and all participants were to be identified, for in all previous masked balls many non-paying guests were to be found enjoying the party. Since the St. Pat's boys couldn't even make enough for a round of beer at that rate, masquerade balls were definitely ruled out.

Profs from the Mining Department of our own institution of higher learning made the news in October of 1920 by forming a committee to determine a schedule of "Salaries of Engineers in Mining Service." This schedule was to be distributed nationally, for the Mining Engineer was in a bad way for money at that time, and he felt the need for a little propaganda in the right places.

If you're interested in knowing where guys like Hope and Skelton get their gags, look in a 30 year old issue of the Miner. They're all there, with a few extra thrown in. Seriously, any-

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Sun., Mon., Oct. 22-23  
Sun. Continuous From 1 p.m.



Tues., Wed., Oct. 24-25  
Double Feature Program



Plus . . .  
Farewell to Yesterday

A Salute to America's Most Eventful Epoch!

COMING  
Thurs., Fri., Sat., Oct. 26-27-28  
John Wayne in  
"Sands of Iwo Jima"



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Sun., Mon., Oct. 22, 23  
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8-Big Acts-8  
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Joseph Cotton - Teresa Wright  
"Shadow of Doubt"

Wed., Oct. 25th  
All Star Cast in  
"Bowery to Broadway"

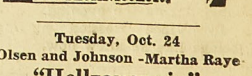
Thurs., Oct. 26  
W. C. Fields in  
"The Bank Dick"

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Rolla, Mo.

Fri., Sat., Oct. 20-21  
Double Feature Program  
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"Canon City"

Plus . . .  
"Law of the West"

Sun., Mon., Oct. 22-23



Tuesday, Oct. 24  
Olsen and Johnson - Martha Raye  
"Hellzapoppin"

Wed., Thurs., Oct. 25-26  
John Wayne - Pedro Armendariz  
"Three Godfathers"

( Gates Open at 6 p.m. )  
( First Show starts at 7 p.m. )  
( Admission . . . 50c-per )  
( person. Children under 12 )  
( yrs. Free when accompan- )  
( ed by parents. )  
( . . . )





## Miners Sweep Second Straight Win, 32-13 Warrensburg Easy Victim

By Bill West

The Miners, M. I. A. A. defending champions, scored their second conference victory, and their fourth win out of five starts, by trouncing the Warrensburg Mules 32-13. Playing before a huge Homecoming crowd the Miners took command early in the game and were in the drivers seat until the final gun. Sparking the Miner offensive team was Ed Kwadas who played one of his best games. Close on his heels was Alden Williams who did a spectacular job of running and passing the Miner team to victory. Alden set a new school record by returning a kick-off 98 yards for a touchdown. Williams broke the record set by Gene Huffman in 1947 of 96 yards. The Miner offense suffered a great loss when Don Dowling received a shoulder separation late in the second quarter. This makes the second All-Conference man the Miners have lost this year.

Although it is seldom realized the kicking on a team has a very definite part in any victory. In this department the Miners have come up with an excellent punter in Bill Koedding. Bill, in Friday night's game, let loose with a punt that traveled 59 yards. In any mans league this is pretty good.

On the defense the Miners shone as never before. The entire left side of the line, composed of Wilson, Beverage, Morris and Wohler, were a strong and impregnable force. Not to be overlooked are such men as Anderson and Schoepel. Walter Smith did himself proud by recovering two Warrensburg fumbles in the first quarter, one of which led directly to a touchdown. Late in the fourth quarter, Coach Bullman cleared the bench and showed some of the up and coming stars of the Miner teams of tomorrow.

### Kwadas Goes Over For Second T. D.

John Gieringer opened the game by kicking off to Williams over the goal line. With the ball on the 20 it took the Miners just 10 plays to score their first touchdown. After the ball was put in play on the 20 it took Kwadas just two plays to rack up the Miners first first down. To gain their second first down Williams hit Jim Tietjens with a pass good for nine yards. From this point Dowling gained 2 through the middle and Williams let fly with a pass to Huffman which was good for 37 yards and a touchdown. Bill Wohler added the extra point to make it 7-0 Miners. Wohler kicked off to Lightner who brought it up to the 20. Who Meyer fumbled the pass from center, Walter Smith recovered for the Miners on the 19. The Miners picked up a first down on the 6 with two running plays. Here Williams had a pass intercepted on the goal line by Volkner who ran it out to the 9. Again on the first play Meyer fumbled a pitch-out to fullback Gieringer and Walter Smith recovered on the 4. From the 4 Ed Kwadas bulldozed his way over for the second Miner T. D. Bill Wohler again added the extra point and it stood Miners 14, Warrensburg 0. This ended the action for the first period. The quarter ended with the Miners in possession of the ball at mid-field.

### Mules Start To Click

Huffman opened the second quarter with a nice 27 yard run but had it called back on a clipping penalty. Williams tossed to Tietjens for a 15 yard gain and Dowling gained 3 through the middle. On the next play Bill Koedding was forced to kick. Bill, angling for the side lines was off just a little and kicked over the goal line. With the ball on their own 20 the Warrensburg Mules started a drive which looked like it might end

with a score for the Mules. After the Mules ran up three quick first downs in seven running plays the Miner defense stiffened and stopped John Gieringer when he tried to pick up six through the middle on fourth down. The Miners took over and ran up a quick first down. The next play was a pass to Huffman, and then a plunge by Dowling gained nothing. On the next play Dowling fumbled and Warrensburg recovered on the Miner 38. The defense again held and forced the Mules to kick to Hampel on the 5. From there Hampel ran the ball out to the 16 where Kwadas picked up 30 and a first down. After another first down Bullman entered the game. On the first play Bullman elected to throw a pass but a strong charging Mule line threw him for a 7 yard loss. The half ended with Bullman tossing to Wietzel for a loss of 3 yards.

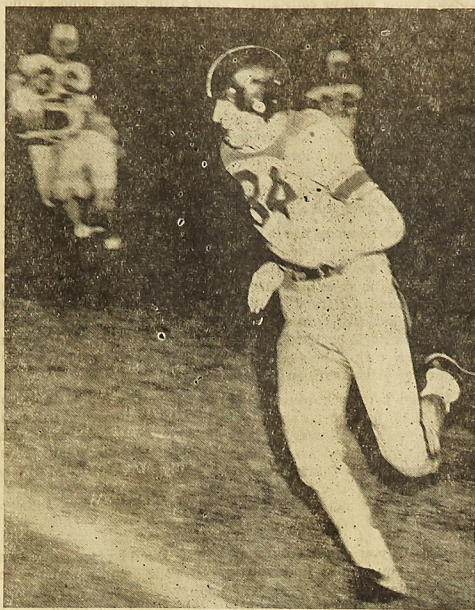
Bill Wohler opened the second half by kicking over the Mule goal line. With the ball on the 20 it took the Mules just three plays to ring up another first down. Three plays failed to gain enough for a first down and Bodenhamer kicked to Koedding on the Miner 34. Bill was stopped in his tracks. Kwadas picked up 14 and after a 25 yard gain by Wohler was nullified by a backfield in motion penalty Williams threw a long pass to Kwadas good for 46 yards. With the ball resting on the Mules 20 Wohler and Kwadas combined to put the pigskin on the 5 with first and goal to go. In two plays Wohler had cracked over for the third Miner score. Bill had his try from placement blocked and the scoreboard read 20-0, Miners.

### Williams Scampers On 98 Yd. Run

After Lightner returned Wohler's kick-off to the 24, Meyer hit Earl Thompson with a 40 yard pass. Then a quick series of running plays put the ball on the Miner 4. From the four Webster smashed over for the first Warrensburg score. Gieringer's extra point was good and the Miners lead 20 to 7. On Gieringer's kick-off to Alden Williams, the most spectacular play of the game was started. Alden took the ball on the 2 yard line and proceeded to waltz up the right side line, behind some beautiful blocking, 98 yards for a touchdown. This play set a new school record, breaking the record of 96 yards set by Gene Huffman in 1947. Again Wohler had his try from placement blocked and the Miners lead 26-7. The Mules took the kick-off and ran it back to the 34. But here Lee Beverage recovered a fumble on the 35. The quarter ended with the Miners on the Mule's 27.

On the first play of the fourth quarter Bullman completed a pass to Jones good for 10 and a first down. The Miner march was stopped cold after Wohler made 3 and Kwadas was stopped, for no gain, on the 14. The Mules picked up enough ground to put it on the 20 with fourth down coming up. Meyer then tried to out fox the Miners by throwing a pass. This pass was incomplete and the Miners took over on the 20. From here Kwadas picked up 6 off tackle and Wohler brought it to the one foot line. On the next play Kwadas cracked over for his second touchdown of the night and the Miner's fifth. Bill Wohler missed his try for extra point and the score stood Miners 32, Warrensburg 7.

After taking the kick-off and running it back to the 45, Meyer started filling the air with passes. The last one traveled 8 yards to end Thompson for the touchdown. Walter Smith blocked Gieringer's try for extra point and the Miners were in the lead 32-13. This ended the action for the game. The game ended as Hampel gained 6 yards and a first down.



Gene Huffman (34) picks up some extra yardage which proved helpful in downing the Mules 32-13. Gene was at his best last Friday night.

## College Football - Amateur or Pro?

By Mario Trieste

Where is football heading, how can we stop it, and what, are a few questions presidents of nationally known football colleges are asking themselves. This great American sport has degenerated in its character to its low state and is still seeking lower levels.

The amateur standards of college athletics is a recall of times past. The sport has boomed and blossomed to take its place beside other big businesses of the nation. The true amateur hasn't a chance to win a varsity position when the school has a long list of athletes on the payroll. The offers which alumni and college officials are approaching high school boys, tend to border on the fantastic. Today, if you were blessed with a muscle coordinated football torso, don't be surprised at this offer. A Pullman train ride to and from your home to the school all expenses paid, including spending money, and \$1000 dollars in the bank to help convince you that it's the right school to play ball for. If your high school scrap book is bulging at the seams, some enthusiastic alumnus may leave a new convertible in front of your house.

Doak Walker of S. M. U. fame, was on the receiving end of a new convertible each year, an \$8000 home completely furnished, and the income tax inspectors are still trying to get a figure on his income. North Carolina boasted of Choo Choo Justice and he was rewarded for his fatiguing Saturday afternoons. I forget what make 8 cylinder car he was given but upon graduation he received a permanent job with the state and a dealership to a large auto sales business.

Even more appalling are the salaries paid to the men who coach these gladiators. It is a well known fact that several coaches in the Southern Conference out-draw the school president on payday. That kind of gossip was news several years ago. Today, assistant coaches who enlighten the muscle boys on the fine art of down field blocking, pull down more money than full professors. Coach Earl Blaik of Army, has twelve such assistants to teach his squad their assignments.

Curb the Alumni After glancing at the astronomical figures for subsidizing, coaches salaries, and entertainment bills for wooing the boys to the campus, the source of financing all this extravaganzas next comes into focus. The influential alumni of the school fore clubs as Southern Califor-

nia's Trojans Club or Oklahoma's Quarterback Club. These clubs are dedicated to the building of bigger and stronger teams in order that defeat may never tarnish the school's name. To these men who are swept by the tide of football emotion, victory is a commodity which must be bought at all costs. These are the men who pressured the president of one Pacific Coast university to change coaches four different times after each victory sparse seasons.

To tell some kid to refuse free tuition, books, board, a car, and the final \$1000 in the bank clutches because it isn't ethical is sheer nonsense. The human few playing "just for the glory" as in the case of Notre Dame or Army. It is a much accepted fact that Notre Dame doesn't subsidize its players. If they were, you could be sure there are enough snooping reporters anxiously awaiting the opportunities to smear the school's 39 straight victories. But you can't send everybody to Notre Dame or Army in order to maintain an amateur status among players. So we're back to the alumni situation.

These gents with the big cigars, patent leather shoes, and twelve cylinder cars toy with football teams as their autumn hobby. Until you can convince these boys that the primary purpose of education, the broadening and maturing of the mind, is being denounced from the outset, the sooner the alumni clubs will be disbanded. But until that day arrives, some national football hero will still boast he had the best blocking that money can buy.

## INTRAMURAL Sports

### FOOTBALL CROWN GOES TO UNDEFEATED THETA KAPS AS SNAKES BOW

Theta Kappa Phi, intramural kingpins, downed a stubborn Sigma Nu team last Tuesday evening to capture the coveted Intramural Football Trophy. The Theta Kap gradders in winning the crown performed what no other team could do in three years of competition, beat Sigma Nu twice. The Snakes were held scoreless in the two outings while the Theta Kap offense rolled up 27 points, 20 in the first game and 7 in the Championship final.

The Theta Kappa Phi nine can easily contribute their success to their strong defensive line and excellent passing attack. Connie Buersmeyer handled the passing attack and hit his receivers with consistency as he accounted for 9 touchdowns, 63 points via air. Leading scorer for the newly crowned champions was glue fingered end Don Meiners, who racked up 42 points in 5 games. The Theta Kap team rolled up 80 points to their opponents 13, Tech Club being the only team to score against them. To win the gold trophy the victors, Theta Kap, won 5 successive games. They beat Triangle, Pi. K.A., Tech Club, and Sigma Nu twice.

While the passing attack led the offensive threat, the stellar line play of such men as Jim Weber and Harry Fitzgibbon at tackles and Bob Suren (manager and captain) at center proved formidable to any situation. Meiners and John Bruskotter at ends provided the targets for Buersmeyer's passes while Ferber, Cardetti and Kuhn rounded out the backfield combination. Ed Bosse, substitute back, split the uprights 8 out 12 tries on the point-after-touchdown for an average of .667.

Statistics:  
Meiners ..... 42 points  
Cardetti ..... 12 points  
Bruskotter ..... 12 points  
Maurer ..... 6 points  
Bosse ..... 8 points

Line Up:  
R.E. .... Don Meiners  
R.T. .... Harry Fitzgibbon  
C. .... Bob Suren  
L.T. .... Jim Weber  
L.E. .... John Bruskotter  
Q.B. .... Ed Ferber  
L.H. .... Leo Cardetti  
F.B. .... Connie Buersmeyer  
R.H. .... Ernie Kuhn

Others who saw action and received awards: Bob Schafer, Dick Bosse, Jack Maurer, Jack Grieten, Lyman Van Buskirk, Don Bardon, and Ed Calcaterra.

### Opponents

Triangle ..... 0  
Pi. K. A. .... 14  
Tech Club ..... 13  
Sigma Nu ..... 20  
Sigma Nu ..... 0

## Miners Vs. Bulldogs Next

By Bob Flore

### EIGHT VARSITY MEN REPORT FOR PRACTICE

Basketball coach Dewey Allgood has had a good look at his material for the coming season after tryouts last week and varsity practice all this week. Although he has cut the squad considerably, more eliminations will be made in the ensuing weeks.

The new coach retained twenty men from the tryout list for a chance to compete with the squad. Much height is promised in two local boys who played for the Rolla Ramblers, an independent team, the past winter. They are Hoot Fuerst, 6' 5 1/2", and Watson, 6' 5". Another man out for the squad who played for the Ramblers is golfer Kenny Lanning, 6'. Others from the list of new material include Shay Huffman, 6'3", a Rolla High boy, Koelling, 6', Southern, 6'1 1/2", Horne, 6' O'Brien, 6'4", Hodge, 6' 1/2", Hooks, 6'3", Schafer, 6' 1 1/2", Otey, 6' 1", Smart, Bayer, Grube, Delays, Mallow, Topet, Norton, and Burnes.

Varsity men reporting are Max Burgett, 6' 1", Bob Faulkner, 6' 1/2", Nichols, 6'3", Koepelman, 5'11", Henson, 6', Edwards, 6' 1/2", Weber, and Abendroth, 6'5". Two transfers from Wisconsin Tech, Jim Scott's school, are Ketter and Clarke. Clarke, although only 5'10", is reported to have been an all-conference selection. An interesting observation reveals that the two transfer students and Henson are the only seniors on the list. Three of the men, Nichols, Abendroth, and Weber, are only sophomores.

The season gets under way Nov. 23, when the Miners tangle with Westminster, at Jackling gymnasium. Then on Dec. 1, Washington U. provides the opposition at St. Louis.

Tomorrow, October 21st, Gale Bullman's Missouri Miners will seek their third straight MIAA Conference victory, over the Bulldogs of Northeast Missouri State Teachers College, at Jackling Field.

Last year Coach James Dougherty's Bulldogs bowed to the Miners, 20-6, and with the power of this year's Rolla squad, there is an indication that another victory is close at hand for the Miners. Kirksville, won only one conference contest last year, from Cape Girardeau, 12-7. There are, however, eleven lettermen in this year's squad, 7 in the line and 4 in the backfield. Miners like Dick Hampel, Bob Proctor and Howard Bullman, though, seem to be proving that new men can sometimes be among the best men.

The returning Kirksville lettermen are John Alderson, Roger Biesemeir, Guy Burton, Linus Dowell, Art Hochstaedler, Bill Holmes, Tony Kelley, Kenneth Rehg, Clyde Ransom, Dean Westfall, and Dan Wisely. The man to watch on the opposing team seems to be Clyde Ransom, 21 year old, 190 pound fullback. Clyde was one of the leading ground gainers for the Bulldogs last year, and a good defensive man. The Kirksville line is rather light, averaging 190 pounds, while their backfield weight average is 172 pounds, compared to the Miners 195 in the line and 175 in the backfield.

Adding the facts up, the total appears to be a very fast game, and the Miners should come out on top once again.

A bather whose clothing was strewn

By winds that had left her quite nude,

Saw a man come along—

And unless I am wrong

You expected this line to be

lewd.

## SPORTS FLASHBACKS

By MARK

### It happened this week:

TWENTY-FIVE YEARS AGO—  
Missouri U. defeated the Miner eleven by 32-0 in a sea of mud and a drenching down pour.

TWENTY YEARS AGO—  
Courageous fight merits little for Drury as Miner's backfield runs riot to the tune of 67-6.

FIFTEEN YEARS AGO—  
Miners blow up in last half and fall to St. Louis eleven 38-0.

TEN YEARS AGO—  
Miner's snap Maryville's winning streak at 21 victories when they tame Bearcats 25-0.

### ONE YEAR AGO—

Maryville drops top rating as Miners stage spectacular upset 41-13.

### FLASH:

The first Miner football team to take the field in intercollegiate competition met Drury College in Springfield, Missouri, in the fall of 1893. The Miners lost that first game, but it was the beginning of Rolla's oldest football rivalry. The Miner-Drury series was not ended until 1932, when the Miners defeated the Springfield College 40 to 0. Drury College dropped football the following year.

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## Atomic Energy Now Being Produced By Chain Reaction

(Continued from page 2)

from an atomic chain reaction. Originally, the main emphasis was on one that could be used for peace-time industrial power and for the "breeding" of nuclear fuel. Earlier this year, on instructions from the AEC, this was suspended in favor of a power plant to be used on naval vessels. Such a shipboard plant will also yield valuable information for a land-based atomic power plant.

Dr. Kingdon explained that the PPA is primarily an experimental tool, for testing those phases of reactor design which are not directly connected with the generation of large amounts of power. This has required that it be taken down and reassembled in eleven different combinations.

Although a commercial atomic power plant might produce many thousands of kilowatts, he explained, this PPA has been operated at powers of only a few watts. This limitation of power was necessary in order to restrict the radioactivity of the parts of the assembly to such low values that they could be handled manually with safety.

The fact that operation of the PPA has been entirely systematic and uneventful, Dr. Kingdon pointed out, shows once more the controllability and reliability of a properly designed nuclear reactor. Summarizing the findings, he stated:

"The Knolls PPA has proved to be a useful tool for securing accurate numerical data about atomic nuclei which are important in reactor design, both for the structural material and the nuclear fuel. The large amount of data obtained has formed the basis for some substantial advances in the theory of nuclear reactions.

"As a result of these studies," he continued, "great advances were made on the nuclear basis for a power-breeder reactor and several new ideas in design were developed. Particularly important and encouraging is the excellent agreement between calculations and experiment which has been obtained with several of the assemblies."

Dr. Kingdon said that the Knolls PPA has also given the first demonstration of a new method for control of a nuclear reaction which is particularly adapted to reactors of this type. "The method has worked very well," he stated, "and has now been carried to the point of testing a completely automatic control for a nuclear reactor."

He said that Dr. T. M. Snyder has been responsible for the general design and operation of the PPA, and that the General Electric Company's General Engineering and Consulting Laboratory, at Schenectady, had made important contributions to its actual construction.

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## MINING TERMINOLOGY SUBJECT TO PSYCHOLOGY

There are many persons in the mining industry to whom some of the terms and features in the work of the mines are akin to Greek. Anyone who will commit to memory the following from "Mines and Minerals" may claim to be somewhat versed in mining terminology:

A lode is a streak, as sure as you're born,

A dip is a pitch of the same; A big bunch of rock that spoils the pay shoot

Is called a horse in the vein. A hanging wall's the top, you know

Or roof of leads in place The foot wall's just the floor of them,

Or the bottom, bed or base. An incline shaft is one that's sunk

Down on the lead's own pitch; A straight one doesn't seem to care

"Bout striking ore that's rich. A crosscut runs to tap the vein From a point that's picked as best;

A tunnel's about the same old thing, So let that subject rest.

A drift is a tunnel that follows a lead, Not down but in on a level;

A stope's a hole where ore was mined Now, don't that beat the devil?

A winze is a sort of a shaft, you see, That starts from a level below,

And why they picked that name for it Is more, my friends, than I know.

A rise is made to connect two levels, Or to strike the shoot overhead,

And the face of a drift is the end of the thing And so we'll say, "enough said."

## Fort Wood Warns Of Firing on Ranges

Fort Leonard Wood has issued a warning that there is to be extensive firing on all ranges at the fort at all times. Local residents and others are requested and advised to stay off the ranges. Any travel on these ranges will be at the traveler's risk.

Dear Son: I just read in the paper that students who don't smoke make better grades than those that do.

Dad.

Dear Dad: I have very carefully thought about your letter, and have come to this conclusion: I would rather make a "B" and have the enjoyment; in fact, I'd rather smoke and drink and make a

Dad.

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## LOUISVILLE UNIVERSITY LISTS BAN; NEGROES NOW BEING ADMITTED

Louisville, Ky. (I.P. — The Board of Trustees of the University of Louisville has voted unanimously to admit Negroes to this month, Negroes will be allowed to register in the graduate and professional schools, and in the whole University in September, 1951.

Municipal College, Negro branch of the University, will be closed on June 30, 1951. Action constituted notice to the Municipal faculty members that their employment will end on that date. Dean Bertram W. Doyle of Municipal College told the trustees that his faculty is in favor of the move even though it meant the loss of their jobs.

"There was no question that the trustees would admit Negroes," said President John W. Taylor. "The only question was how it could be worked out as a practical matter, such as whether we have sufficient facilities for expanded classes."

Those schools to which Negroes will be admitted this month are Medical, Law, Dental, School of Social Work, Graduate School, Scientific School, Music, graduate courses in the Division of Adult Education. The only remaining division of the University, the College of Arts and Sciences, will be opened the following September.

Recommendations from each of the University's deans, the University's chapter of the American Association of University Professors, and the University Administrative Council were considered before the vote was taken by the trustees.

The board's decision to admit Negroes followed similar action by the three Louisville Catholic colleges — Nazareth, Ursuline, and Bellarmine — and by Berea College, Berea, Kentucky.

The Day Law, passed in 1904, has barred admission of Negroes to Kentucky colleges. The law was amended at the last session of the legislature permitting a college to decide whether or not to allow Negroes to enter when the college offers courses not obtainable at Kentucky State College for Negroes at Frankfort.

"C". Further I'd rather smoke and drink and neck and make a "D".

Junior.

Dear Son: I'll break your neck if you flunk.

Dad.

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## Out of the Septic Tank Flush & Slush

A few days ago Slush and me is mindin' our own business, see. Well, seeing as how we're champions of student democracy, we're very surprised to hear our old buddy, commonly known as the Painted Pencil prof, is off on a wild one again. This particular party teaches only geniuses, because his boys carry little notebooks (per request) to jot down their "thoughts of the day" and to think requires genius, we know, we carry our scratch sheets and football pools with us constantly. Your first class shmoe without one. Why? Well, in-DUS-try decrees it as a necessity of life. First time that we have ever heard that a notebook would jeopardize life, liberty, and the pursuit of happiness, except maybe Uncle Louie; he's a numbers' writer. We can see our selves listening to a guy sound off with, "Now let's wave our notebooks; now let's wave our slide rules; and now let's wave our pencils." They, kid, ain't kindergarten fun. Reminds us of the time we wandered into a WAC barracks one morning and heard, "Okay, girls, let's have an inspection." So we walked in with our trousers draped over our arms. Talk about the H-bomb, that demure first sergeant had a heart of gold and a fist like iron. Beware of mass psychology!

The straight scoop has it that it all started when the KA's had their cannon wheels stolen last Friday night. Since hen, a minor civil war has broken out on State street. Monday night, a suspicious glow lit the skies over Rolla. Rushing to the scene, lo and behold, we found a fiery cross burning on the Kap Sig lawn with many people milling around. Could it be the KKK is riding in Rolla, or could it be the KaKaKa? Wednesday morning, the Kap Sig's awoke to find their house loaded with trophies - don't tell us we have an All-American frat on campus?

We don't know how many of you remember the M-Club Folies of 1948, but we do and would like to see more of the same. What do you say fellows? There ought to be enough talent on campus to put you boys back in production. Gem of the Week: Miner: "What would you think of me if I stole a kiss?" Co-ed: "What would you think of a fellow who had a chance to steal a car and only took the windshield wiper? This is a 'separating joke' — separates the Frosh from the upperclassmen.

Co-Ed: If you could only see my heart you would find your name written there.  
Miner: Yes, I suppose it would look like a hotel register.

Going into a lingerie shop to buy a brassiere for his wife, the customer found it was necessary to know the size wanted. The friendly clerk tried to help him out of his difficulty.

"How about the size of a grapefruit?" she asked.  
"No, smaller," replied the customer.

"About like oranges?" hopefully asked the saleslady.

"Nope, smaller," replied the customer.

"Then, how about eggs?" put in the clerk.

"Yeah," said the customer, "fried."

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## Aptitude Exams Tell Frosh's Chances At Colo. School of Mines

Golden, Colo. (I.P.)—On the basis of the pre-Engineering Inventory examination, given to freshman classes during the past three years, the admissions office at Colorado School of Mines has been able to strengthen the requirements for admission here.

A study of these tests show that men making a "composite score" below a certain value had, because of the lack of aptitude or ability, very little chance of remaining for over four semesters. The freshman class of last year averaged approximately 10 per cent higher than the national average on the basis of the pre-Engineering Inventory examination.

To offset the possibility of poor adjustment to new college life, an individual counseling program has been inaugurated for freshmen as a supplement to the group orientation program. It is hoped that by means of a case study of each individual's problem, mental ability, personality, study habits, interests and aptitudes, and that by supplementing these studies with informational booklets, etc., the individual freshman may be helped in his adjustment to college life.

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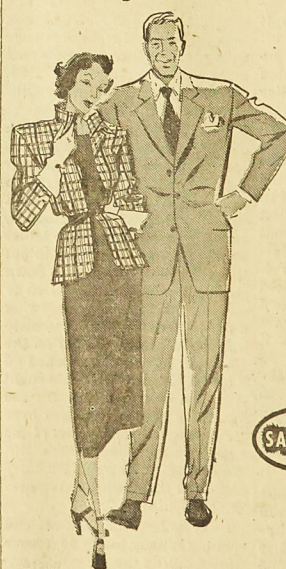
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