



19 Sep 1934

## The Missouri Miner, September 19, 1934

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# THE MISSOURI MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME XXI

ROLLA, MO., WEDNESDAY, SEPTEMBER 19, 1934

NUMBER 1

## DAKE DIES SUDDENLY

Geology Department Head Succumbs in Denver; Was Working in Wyoming

Funeral services were held for Dr. C. L. Dake, head of the Geology Department of the Missouri School of Mines and Metallurgy at Baraboo, Wis., following his unexpected death in a Denver Hospital while enroute to his home in Rolla from the west where he had been working this summer.

Dr. Dake was born in Chaseburg, Wis., fifty-one years ago. He was graduated from the University of Wisconsin in 1911, and later received his Ph. D. from Columbia University in New York.

He has been associated with the school here for twenty-one years and has been head of the Geology Department since 1920. He taught for one year at Williams College, before coming to Rolla, and has since taught in the Summer Session at Columbia University.

Dr. Dake was a member of Sigma Xi, Phi Beta Kappa, Gamma Alpha and Phi Kappa Phi, all honor fraternities. He was also a member of the American Institute of Mining Engineers, the American Association for the Advancement of Science, the Geological Society of America, the American Association of Petroleum Geologists and the Society for the Promotion of Engineering Education.

He has frequently served on committees of national importance, such as the Education Committee of the American Institute of Mining Engineers and the national research working on the Mississippi Valley ore deposits.

Dr. Dake was the first geologist to discover the Heart Mountain overthrust, which he mapped in 1916. It is largely due to his familiarity with the geology of that region that he was asked to join in the research work there this summer, with noted geologists from other colleges.

Dr. Dake is the author of several noteworthy publications, five of them of book size. Two are reports of the Missouri Geological Survey, two are McGraw-Hill publications, and the fifth is a bulletin of the Missouri School of Mines. His work in the teaching field has long been outstanding.

Dr. Dake and party this summer were an integral part of the large project sponsored by the Geological Society of America in studying the structure of the Rocky Mountains in the Big Horn and Beartooth regions of northern Wyoming and Southern Montana.

The party comprised of Dr. Dake, Gil Montgomery, '34, and Lawrence Dalse, was located in and near Cody, Wyo., and studied and mapped the minor overthrust fault which is related to the Hart Mountain overthrust sheet which Dr. Dake discovered in 1916. It was because of this discovery that Dr. Dake was honored by the project group with the invitation to work out more information concerning the thrust mass.

The peculiar phenomena discovered is almost without precedent in geologic annals. A thrust sheet consisting mostly of Madison lime-

See DR. DAKE Page 2

## ST. PAT'S BOARD PLANS WAYS TO RAISE FUNDS

Last Wednesday the St. Pat's Board held the first regular meeting of the new school year.

Election was held for chairmen of committees with the following results: Solomon, chairman of Publicity Committee; Settle, chairman of Finance Committee, and Johnson, chairman of Decoration Committee. These men will make their selections of committeemen next week.

Various suggestions were offered for ways of raising funds to throw the celebration this year and these suggestions will be acted upon later in the year. The date for the next St. Pat's Board Dance has been tentatively set for September 29.

## ENROLLMENT TOTALS 369

Registrars' Figures Reveal Increase of 6 Per Cent; More Still Registering

Enrollment for the first week, including Saturday, showed an increase of six per cent as compared to the total enrollment for the first week of last year. An increase is shown in all classes except in that of the Seniors.

The total enrollment up until Saturday was 369, but students are still registering and before the year is over that number is expected to reach 400.

Classes stand now in number: Freshman, 90; Sophomore, 74; Junior, 88; Senior, 92; Graduate Students, 12; unclassified students, 13. Dr. Armsby made an interesting comparison, showing that there are more Sophomores now in school than there were Freshmen last year; more Juniors now than Sophomores last year; and four less Seniors now than Juniors last year. This shows an increase of transfer students and students returning to school after laying out a few years during the late depression.

Summing it all up, it shows that it's going to be a great year for the Missouri School of Mines.

## VARIED JOBS HELD BY STUDENTS IN SUMMER

Summer jobs of some of the M.S.M. boys proved to be most interesting and exciting. Most of the boys worked at whatever he was interested in. Danforth worked in the laboratory of the C. W. Danforth Co., Youngstown, Ohio, as an analytical and consulting chemist. He worked chiefly with iron, steel and manganese ores. "Pete" Lange held a job which was filled with danger. He worked for the Western Cartridge Co., in the lead azide department. Lead azide is in the caps of all rim fire cartridges, and it must be kept under water to prevent any danger of it drying. Lange worked with six M.S.M. graduates "Doc" Maisie, Duncan, Boyd, Stewart, Garst and Herzog.

Al Howe worked in the control laboratory of the Crew-Tevick Refinery of Philadelphia, Pa. The laboratory was located on Petty's Island in the Delaware River. Howe ran various tests and analyses on oils, greases, and gasoline. He also spent a short time in the refinery

## HERE YOU ARE—MINERS—

The 1933-34 Miner

We promised a bigger and better paper than ever before, and we take pleasure in presenting the first issue.

If you like this new MINER, say so. We want to give you the best that we can. The MINER is a student institution founded for student service.

THE STAFF

## WOOD GIVES EXPERIENCES

South American Gold Mine Operator Relates Adventures on Stop Here

The thrill of personally carrying a nugget of gold, valued at \$35,000 was described by Clarence Woods, in a recent visit here.

Weighing nearly sixty pounds, this unusual treasure was picked up by Woods in the Santo Domingo mine of the Inca Mining and Development Co., located at Tirapati, Peru, and of which he is owner and manager.

Centered in the inlands of Peru, far from the coast and civilization, the Santo Domingo mine produces approximately 1000 ounces of gold a month, which is sold to the Peruvian Government.

Wood, an M. S. M. graduate of 1904, explained the placer mining method in use, and the modern improvements that were recently put into operation, making it one of the largest producers in South America.

Although the mine is up-to-date, it is only accessible from the coast by treacherous paths, which were worn smooth by the Incas long before the days of the Spanish invasion.

Recently a quarter of a million dollars was spent in improving these paths. In carrying enormous sums of gold, which often totals as much as \$130,000, to the coast, only one guard is needed.

See GOLD NUGGET Page 2

and instructed in processes of distillation, cracking, treating, and recovering gasolines. O. K. Holman worked for the Imperial Oil Co. His work consisted mostly of accounting.

## SCHEDULE OF MINER 1934 FOOTBALL GAMES

Sept. 21—Pittsburg Kansas Teachers at Pittsburg  
Sept. 29—Arkansas Tech at Rolla.  
Oct. 5—Kirkville Teachers at Kirkville.  
Oct. 13—McKendree College at Rolla.  
Oct. 20—Open date.  
Oct. 27—Arkansas University at Fayetteville.  
Nov. 2—St. Louis University at St. Louis.  
Nov. 10—Open date.  
Nov. 16—Springfield Teachers at Springfield.  
Nov. 23—Maryville Teachers at Rolla.

## DANCE IS HELD BY ST. PAT'S BOARD MON.

With the attendance of a small but select crowd, the St. Pats Board initiated a season of dances, last Monday night at Jackling Gym.

While dancing to the strains of Ed Campbell's music, the notables declared it as the most orderly dance in the last year, and expressed the wish that more of the same will be forthcoming.

Among those attending were chaperones Dr. and Mrs. Armsby, Mr. and Mrs. X. Smith, and Mr. and Mrs. McQueen.

The board announces that the notice of the next dance will be posted in plenty of time for all to attend.

## BLUE KEY ENTERTAINS

Honorary Society Greets New Freshmen With Picnic and Water Carnival, Sept. 8

On Saturday afternoon, September 8, the Blue Key, an honorary society of the college entertained the incoming Freshmen.

The entertainment which was in the form of a water carnival and picnic was for the purpose of promoting acquaintances among the Freshmen, and to familiarize them with the purpose of the Blue Key Society.

Mr. William Neel, treasurer, in a short and interesting talk, stated that the Blue Key has as its main motive, the rendering of school service without benefit to its individual members.

From the exceptional showing made by some of our Freshmen in the water contests, we are looking forward with great expectation to an excellent swimming team.

After the aquatic carnival hot dogs and soda and pickles were passed around with everybody having more than they could eat and still be comfortable.

We sincerely believe that a very enjoyable afternoon was spent by all participants, thanks to the Blue Key.

## ALL M. S. M. FRESHMEN MUST PASS SWIM TEST

Coaches Grant and Brown have come to the conclusion that all Engineers should be able to swim. Each and every Freshman from this year on will be required to pass a swimming test which is the same as that given by the American National Red Cross. If he fails to pass this test he must make a second attempt, and if there is a great number who fail to pass this test, there will be swimming classes for their benefit. These lessons will be given in place of the Physical Education classes. The purpose of these lessons will be to teach students how to swim, not only for passing the test, but for their own benefit during life.

The test which will be given is composed of six events, which are listed below:

1. Swim 100 yds. free style.
2. Swim 50 ft. on back.
3. Be able to demonstrate breast stroke, side stroke, and the crawl.
4. Tread water for one minute.

## NEW SCIENCE DEVELOPED

Close Kindred Found Between Forestry and Engineering, Student Believes

One of the outstanding revelations this past summer has been the time, purpose and value of the U. S. Forestry Service Program. The author had an opportunity to become acquainted with the Service and his connection revealed some ideas entirely different and new.

It is peculiar, but the further one goes in the study of engineering the more he realizes, or should realize, how little is known of the field in all its broad application.

Forestry, in the United States, is a comparatively new science and is as yet more or less in the experimental stage. However, there a few European countries that have practiced scientific forest control for many years and have profited greatly thereby.

The very fact that this country is so large has slowed up the application of forest science practices because we have had tremendous supplies of practically all commercial lumber and pulp woods.

Far-seeing and public spirited groups have come now to realize that even though the United States has large supplies of timber, it can not go on at the present rate of cutting, with its accompanying methods, and insure a reserve of merchantable timber for future generations.

With this in mind, and a favorable administration, the U. S. Forest Service Program is going ahead in its fight to conserve and cultivate the available timber supplies and to provide new sources.

What has all this to do with engineering? A great deal, in the general term. In the first place a certain amount of engineering must be practiced in establishing the national forests, and even more in their development. And the application does not end there.

There is another phase of the forest program which is not so directly connected with engineering, but in its social value it should be the concern of the engineer as well as every other patriotic citizen of this country. This phase is the esthetic value of the forests.

Undoubtedly, those fortunate people who have seen the virgin timber remaining in the West will agree that Nature did herself proud when she dotted the steep Rockies and Sierras with a forest cover the equal of which is found in only a few places elsewhere on the face of the globe.

These great forests of the West still make homes for many of our wild animals. We cannot, in fairness to our forestry, destroy all vestiges of the wonderful land that greeted the Pilgrims when they stepped on the rocky shore of this new world and began the rebuilding of the world's most progressive nation.

See FORESTRY Page 6



## THE MISSOURI MINER



Official Publication by the Students of the  
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in the Interest of the Alumni, Students and Faculty

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**FACULTY ADVISER** ..... DR. J. W. BARLEY

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## HAZING

Many upper classmen have bemoaned the lack of hazing and the lack of a Freshman circus this year. One of the oldest and most enjoyable traditions of the school has passed along with most of the others into the past, the old order giving place to the new.

However, perhaps it is better that this is so. We all know that nothing harmful is done to the Freshman when he first enters school. It is true that they are run around quite a bit and are pantsed and perhaps paddled, and made to scrub sidewalks, but after all that is nothing that really hurts. If they are asked about it afterwards they will admit that they enjoyed it. We did and we still like to see it done.

The trouble comes, however, in the stories that leave town. As we mentioned, the people here in town realize and know that nothing harmful is done, but everybody is given to a common fault of exaggeration and when these stories are repeated outside of town they are enlarged upon. Then they are enlarged still more. This process goes on and on until the report is out that we are practically killing our Freshmen when they start school here.

This without doubt hurts the school. There have been many mothers who have not only hesitated to send their sons down here, but have actually refrained from doing so because the stories they have heard about the hazing. The enrollment of the school has dropped enough due to economic conditions and we should not further hurt it with unnecessary hazing.

If the true facts about the rough play were known outside of town, we do not doubt that the mothers would want their boys to get their share of the fun, and it is fun for both sides, but as it is, it is best that the circus and the other forms of hazing were abolished this year.

## LOSE OUR BEAUTIFUL CAMPUS

In front of the Metallurgy Building a path is appearing as the result of students cutting across the campus from one walk to another. This is destroying what grass the drouth has left.

It is only a matter of thirty seconds to walk around instead of cutting across the grass. If everybody would bear this in mind, not only at this spot, but all over the campus, we still have a chance to save some of the beauty of the school.

## BOOING

Another school year has started and with it starts various athletic contests. As in years past, we will have men from out of town and from other schools acting as referees and judges in the games that we play with the other colleges.

These men are only human, and are subject to making mistakes just the same as the rest of us. It often appears to us that some of them make many more mistakes than is necessary or permissible. However, that most often depends on the point of view: i.e. For which side you are rooting.

In years past and particularly this last year we have been most discourteous to the men who have refereed our games. We have booed and made insulting remarks until it has been hard to continue with the game.

This not only gives a bad impression of our sportsmanship but it also destroys some of the enjoyment of the game. Be-

sides that it confuses the referee and perhaps causes him to make a few more mistakes.

Why not try a new system this year in as much as the old booing has done little good? Instead of expressing your displeasure at some decision by booing and yelling, why not keep absolutely quiet? If everyone would become absolutely silent whenever an apparently raw decision for the home team is made, the referee would certainly be surprised and probably start wondering what was wrong, and after several such silent periods would come to the conclusion that he had handed out some bum decisions.

Anyone can boo when something they did not like has happened, but let's see if we cannot be REAL sports and leave the booing to other schools this year.

FINANCIAL STATEMENT  
M. S. M. ATHLETIC ASSOCIATION  
1933-1934

## RECEIPTS:

Balance on hand		\$715.42
Student Fees	\$3,300.48	
Gate Receipts—Home Football Games and Season Tickets	405.53	
Guarantees from Out-of-town Football Games	1,650.00	
Gate Receipts—Home Basketball Games	142.65	
Guarantees from Out-of-Town Basketball Games	400.00	
Receipts from Track Meets, Swimming, Tennis, etc.	280.00	
Surplus from High School Basketball Tournament	374.29	
Surplus from High School Track Meet	16.75	
	<b>6,569.70</b>	
	<b>\$7,285.12</b>	

## DISBURSEMENTS:

Equipment of all kinds	\$1,691.26
Guarantees and officials—Home Football Games	2,031.53
Trip Expenses—Out-of-Town Football Games	682.64
Guarantees and Officials—Home Basketball Games	609.00
Trip Expenses—Out-of-Town Basketball Games	312.00
Expenses—Home Track Meets	25.00
Expenses—Out-of-Town Track Meets, Swimming, Tennis, etc.	588.90
Sundry Expenses	1,020.01
	<b>\$6,960.34</b>
Balance on hand June 8, 1934	<b>\$324.78</b>
	<b>EDW. KAHLBAUM</b>
	<b>Treasurer</b>

## DR. DAKE

stone (Mississippian) is thrust eastward nearly forty miles over Cody (Upper Cretaceous) shale into the Big Horn basin from a source now hidden by later lava flows which cover all the area back into Yellowstone Park.

The four-fold problem in which the Dake party was interested was the source of the thrust, direction of thrusting, time of thrust, and length of time covered by the movement entailed. Evidences of the kind of forces that produced produced the thrusting was also sought.

Much of the work consisted of mapping the minor thrust which led to the tentative conclusion that this mass, of smaller extent, was independent of the Hart Mountain sheet though probably derived from nearly the same direction and produced by a similar thrusting force.

This area of minor thrusting is best shown in the valley of the South Forks of the Shoshone River some thirty miles south of Cody.

The party camped most of the summer on the Aldrich Ranch near the mouth of the Ishawooa Creek Canyon.

Besides the mapping of the geology in the valley, collections of fossils pertinent to the stratigraphy were taken and a large number of rock and mineral specimens gathered for the M.S.M. department of geology.

In the latter part of the summer the party worked out of Cody, collecting insoluble residue samples from the Shoshone Canyon for Mis-

souri Geological Survey, making Cambrian and Ordovician fossil collections in Sunlight Valley and conferring on other aspects of the projects with other geologists at Camp Servia, Montana. Professors and geologists on the problem from about 10 large universities were present. Dr. W. Taylor Thorn of Princeton is the committee head of the project which will be continued next summer.

## SUNSHINE MARKET

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THE FARMERS  
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The death of Dr. Dake enroute home from Wyoming presents quite a problem to the project since much of his work will be lost. The department here will do no work on the Dake material at present.

## GOLD NUGGET

Continued from Page One  
But as the steamer, carrying the gold, docks at New York it is met by an armored car with machine gun crews, ready to transport it the few blocks to the vaults of the U. S. Bank.

The story of the acquisition of the mines by Woods is a tale to delight every mining engineer. While traveling through Peru in the interests of a large mining company, he overheard native telling of a bonanza which was failing because of the lack of management. Investigating, he was attracted, and asked his employer to purchase the property.

After their declination, for lack of interest, he borrowed money and bought the mine. In his six years of ownership over five million dollars worth of gold has been mined and the gold shows no sign of giving out.

In his absence, Clarence Lee Woods, his son, M. S. M. class of '27, is in actual charge of the mine and young Woods is assisted by Edward W. (Swede) Parsons, also a graduate of Mining here in 1927. Recently three June graduates, William Springer, Herbert Hoffman and Jim Meacham, reached the coast of Peru and started on the long overland journey for the mine. They must travel over mountains, some as high as 12,000 feet and where the temperature drops below zero, and through valleys where it is over hundred degrees. Leaving last July they are expected to reach the mine this week.

The Inca Company also holds concessions embracing fifty square miles of Peruvian lands, and upon the return of Woods, the start of several projects in which the recent grads will participate, is expected.

With the addition of these boys there are now eleven alumni of M. S. M. engaged in mining in South America.

Since its discovery in the days of the Spaniards, nearly twenty million dollars has been taken from the mine; and the mine was originally sold by the natives for three hundred thousand dollars.

## AFTER

## THE GAME

MORNING and NOON

or NIGHT

ATLANTA

TAVERN

DANCING EVERY

Wednesday and Saturday

## BILLIARDS

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A Sale of MEN'S GLOVE LEATHER ZIPPER  
Model Coats, A REGULAR \$7.00 VALUE

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HELLER'S CLOTHING HOUSE





## THRU THE TRANSIT

by Pin, who is back at the old grind



The first thing we wish to do this year is to extend our sympathies to Porter Murry, our old side-kick, who was seriously injured this summer and is unable to be back at school this semester. Porter was working in a gold mine along with Dave Hale, Squint to most readers, and Tommy Graham out in Arizona, when he was caught in a moving belt and very badly injured. We have heard that Porter will be back next semester.

Well, well, well, at last the freshmen will be no longer molested when they enter this tough old school. And so passes another tradition along the way of most traditions in this institution. While we feel that it is perhaps a good thing, we regret the lack of the circus and the street fights, and the paddling and all the fun that went with it. Many is the time that we pounded our bean on the bricks of Pine Street and rubbed out numerals with water and stones to the tune of a paddle beating the back of our lap. Well, as we said, perhaps it is a good thing. Many of these fond mothers have heard of the terrible way we treat our freshmen and are afraid that Little Johnnie will get his feelings hurt if he comes down here.

There is one thing that we have noticed during the Freshmen-Sophomore fracas every year and that is that the fellows who were not in it the year before, or else received very little punishment are always the first and hardest to lay it on the incoming freshmen. It is mostly those kind of guys that give the hazing a bum name. We noticed the same again this year in the little bit of trouble that was started. The only guy who was stirring up all the trouble and giving the freshmen the hardest wasn't even in school here last fall. We have heard that he went to school in California and entered here last January. However, he lost no time in making himself as unpleasant to the new freshmen as possible.

The Sophs got Jamieson at the Pennant one night last week when he was out there with a date and borrowed his pants and made him walk home. If it hadn't been for one Fulsom they would have taken him about five miles out in the country and made him stroll home. But Bud talked them out of that idea.

When we first got back into town this fall the first thing that caught our eye was the influx of strange women in town. Why, this place is lousy with new talent. What with the shoe factory and all the Democrats working at government jobs it looks like a banner year for the Miners. Here's hoping. One of the nicest of the bunch has already built up quite a following from the Sigma Nu House; Joe Howerton, Bill Snyder, and now Fulsom has announced his entry into the field next week. Perhaps we shouldn't mention Snyder because Bill claims he is almost married and we sort of believe he is, however, he may be pinch-hitting for one of his brothers whenever they have to work. Sort of stalling off competition so to speak. We do not like this monopoly that one house is getting. Perhaps we should appeal to the NRA; maybe the General could set up a code covering the subject.

However, it looks like Joe is leading the field because the young lady under discussion was heard to remark "Joe is the sweetest boy in this town; he is the sweetest boy that I have ever known. He is the sweetest boy I have ever known. He is too good to live." That's a pretty broad statement.

The Kappa Sigs should teach their freshmen how to spell their name. One Carl von Wehrden gave his Rolla mail address as Cappa Sigma House.

We must offer congratulations to our worthy editor. He made the fatal plunge this summer and got himself married. A bunch of boys did the same trick this summer we understand. We're not quite sure of all of the names yet but they are in this issue of the Miner.

Looks like Jimtown is going to be stronger than ever this year. We happened in last night and everybody we knew for miles around was there. They have a nice place up there and the orchestra is getting plenty nice. They play Stardust about four times an evening and any orchestra that plays Stardust four times an evening is a darn good orchestra in our opinion. We rode up in something that Barber has thrown together. It has a Chevy motor, an Essex body, a Ford dashboard, and as Barber says, about two dozen other illegitimate parts. We strongly suspect from experience, though, that he forgot to throw in some springs when he was making it.

Well, with the Mucker not back in school, and Montgomery down in Oklahoma, it looks like our competition is going to be small this year. Perhaps the Goon will carry on Gill's good work.

We would like to enter a plea at this time for some of the freshmen or sophomores to come out and try for the editorial staff of this rag. We could use them very nicely.

Don't know what the Miner is going to do for filler copy this year since Wender isn't back in school. I doubt if we can find anybody who is so completely against everything as he is. After running down war and the army for so many years we have heard, we don't know how true it is, but we have heard that he joined the National Guard this summer. That's consistency.

### C. D. VIA

The House of a 1000 Values  
ROLLA, MO.

The freshmen wouldn't paint any numerals themselves, so a bunch of Seniors were seen one night last week running around town painting big '38's in nice green paint on the sidewalks. And the Sophs made the Frosh scrub them off.

We had a couple of nice clean jokes saved up for the first issue, but coming through East St. Louis they got a little smutty so we will turn them over to Harmon for his Krummy Kracks.

### PI K A WINS SPORT HONORS DURING 1933-34

For the second consecutive year the Pi Kappa Alpha Fraternity has won the All-Year Trophy for Intramural athletics. The Junior Independents were close on their heels and the Sigma Pi House was in third place at the finish.

Last year eight sports were included in the schedule. They were basketball, rifle shooting, swimming, track, baseball, horseshoes, tennis and golf.

In the rifle shooting the Lambda Chi boys turned out to be the eagle eyes with the Juniors in second place with the Kappa Sigs in third.

Probably the closest race of the year was basketball. When the season closed the Pi K A's and the Mercers were tied for the championship and a three game series was played to decide the winner. The Pi Kaps took the first game by a fairly decisive score, while the second game was forced into an overtime period and won by the Pi Kaps by one basket. The Triangles finished the season in third place.

The track meet in the spring was another very close race with the Juniors coming in the winners by a few points. The Juniors and the Pi K A's were only a few points apart up until the time of the javelin throw and the discus heave. The Juniors came through gloriously in these events to win the meet by only four points.

The Triangles then came to the south.—T. R. Ybarra.

front and severely trounced everyone in the horseshoe pitching. The Pi K A's were runner up and the Lambda Chi's and Juniors were tied for third place.

The Pi K A's won the tennis matches and the Triangles and the Triangles and Kappa Sigs were tied for second place with the Freshmen in third place.

The Seniors finally got going and won the championship on the baseball diamond. The Sigma Pi's were second and the Juniors and the Lambda Chi's tied for third place.

The all-star team for basketball is as follows:

#### First Team

Forward, Beard, Triangle, Capt.  
Forward, Marxer, Merciers  
Center, Grimm, Triangle  
Guard, Holz, Freshman  
Guard, Alward, Merciers

#### Second Team

Forward, Coghill, Sigma Nu  
Forward, Howe, Pi K A  
Center, Mashek, Lambda Chi, Capt.  
Guard, Hubbard, Kappa, Sig  
Guard, Towse, Pi K A

Beard was voted the most valuable player to any team and he also set a new record for high point scoring during the season.

The points that were scored by the Pi K A's and the Juniors, the leaders, follow:

Pi K A: Basketball 75.5, rifle 6, swimming 8, track 12.5, baseball 28, horseshoes 4, tennis 8, and golf 6, total 148.  
Juniors: basketball 30.5, rifle 10, swimming 27, track, 23.75, baseball 41.5, horse shoes 3, tennis 0, golf 3, total 138.75.

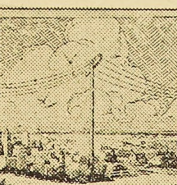
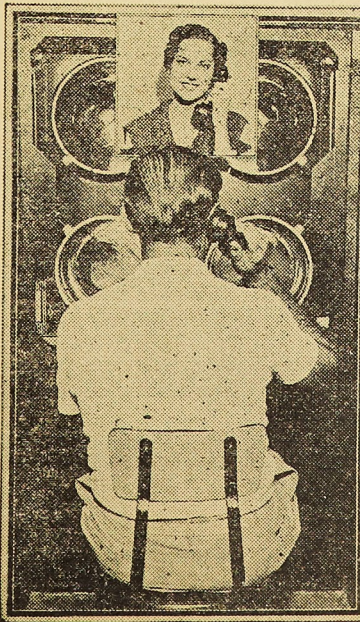
Simply by keeping our promises we are creating a new friendliness for ourselves in the nations to the south.—T. R. Ybarra.

## PINE STREET MARKET

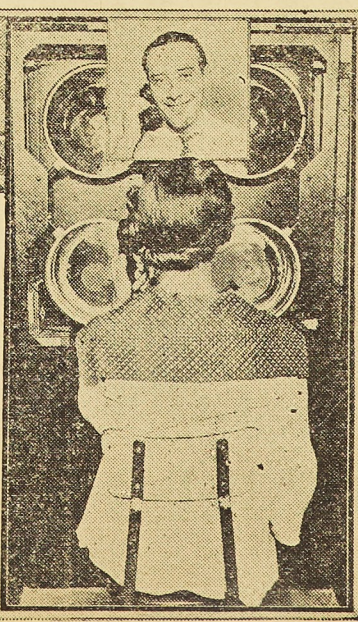
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### Talk by Television 'Phone at World's Fair



Patricia Marquam, Fair beauty queen, and Phil Baker, radio star, see and hear each other as they talk over the television telephone in the Television theater of the World's Fair in Chicago. Patricia has just interrupted one of Phil's merry quips to remind him that the exposition closes forever October 31, and if he's going to see it all he'd better hurry. Besides, she says, the cool, sunshiny fall days are grand for sightseeing. "Fair weather is right," Phil agrees. "Let's start Fair-going right away."



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### PROGRAM

## ROLLAMO THEATRE

WED. & THURS., Sept. 19—20.

Wheeler and Woolsey in  
"COCKEYED CAVALIERS"  
with Thelma Todd, Dorothy Lee  
and Noah Beery  
ALSO  
Comedy, "The Old Bugler"  
Movietone News  
Prices 10 and 35 Cents  
Shows 7:15 and 9:00

FRIDAY, Sept. 21

"HERE COMES THE GROOM"  
with Jack Haley, Mary Boland,  
Neil Hamilton and Patricia  
Ellis  
ALSO  
Musical Revue, "Gentlemen of  
Polish"  
Prices 10 and 25c  
Shows 7:15 and 9:00

SATURDAY, Sept. 22

MATINEE and NIGHT  
"STRICTLY DYNAMITE"  
with Jimmy Durante, Lupe Velez,  
Norman Foster, Marion Nixon  
and William Gargan  
ALSO  
Broadway Brevity,  
"Murder in Your Eyes"  
Looneytoon Cartoon, "Buddy of the  
Apes"  
Prices: Matinee 5 and 15 cents  
Night 10 and 25 cents  
Shows: 2:00 — 7:15 — 9:00

SUN. & MON., Sept. 23—24

SUNDAY MATINEE  
"BRITISH AGENT"  
with Leslie Howard, Kay Francis,  
William Gargan and Phillip  
Reed  
ALSO  
Mickey Mouse Cartoon,  
"Gulliver Mickey"  
Novelty, "Pagliacci"  
Movietone News  
Prices Matinee 10 & 25c  
Night 10 and 35c  
Shows: 2:30-7:15 and 9:00

TUESDAY, Sept. 25

BARGAIN NIGHT  
"BACHELOR BAIT"  
with Stuart Erwin, Skeets Gallagher and Pert Kelton  
ALSO  
Musical Comedy, "Derby Decade"  
Prices 10 and 25c  
OR TWO FOR 10 and 35c  
Shows 7:15 and 9:00

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SCHOOL JEWELRY



## 75 LETTERMEN AMONG 55 APPLY FOR MINER BERTHS

KIRCHOFF SIGNED AS ASSISTANT COACH HERE

For Once the Silver and Grey Will Not Be Lacking In Reserve Strength, With Twenty-five Aspirants From Last Year's Squad Reporting to Coaches Grant and Brown; Tough Schedule Is in Prospect

The largest squad in recent years, numbering fifty-five men, reported for the first practice to Coach Grant. Seventeen tried and true lettermen are included in this number. In all there are twenty-five men back from last year's squad.

Head Coach Grant and Assistant Coach Brown have been with the Miners the past six years, and for once, will not be faced with a shortage of reserve strength. Elmer Kirchoff, all-state end and member of the 1933 Miner team, has been signed to assist in football and act as head coach in basketball.

There are three lettermen back to contest for the end positions. They are Dudley, 185 pound South Carolina boy, who has played brilliant football for the Miners the past two years; Hubbard, a Rolla product and an exceptionally fast man; Suhre, a light, fast man and expert ball snatcher. Fulsom, a transfer who was ineligible to play last year will probably letter this year. Murphy, a freshman from University City, has been showing up well in practice.

The two veteran tackles, Penzel and Appleyard, will in all probability handle these positions when the opening whistle blows. However, several freshmen are regarded as excellent prospects, notably Harris, a tackle from Hannibal, Missouri.

Massero, Mattei, and Vahle will fight it out for the guard positions with the final choice a toss-up at

this date. Ballard and Sibert, freshmen, will in all probability see a great deal of action.

Captain Spotti, a 213 pound giant from Staunton, Illinois, will be the Miners' regular center. This is Spotti's fourth year with the Miners and from present reports it will be his best. However, Holman, a freshman letterman of the past season will furnish much competition for this berth. Wright, a freshman, from Soldan High in St. Louis and all-city center, and Prough, Kirkwood's star center of the last season, will also see lots of action.

Wommack, a fullback during the greater part of last season but who was transferred to quarterback due to numerous injuries by the regular quarterbacks will continue to call the signals during this season. Neel, a letterman of last year, will also be on hand to rug the team.

McGregor, Howerton and Nickel, three light and very fast men, will compete for one of the half back positions with McGregor having the edge due to his brilliant performance last year. Schwab will handle the other half position and his duties will be his excellent blocking and plunging.

Plummer and Pfeifer will fight it out for the fullback position. Ineligibility due to transferring from Washington University kept Pfeifer out of the line-up last season but he is ready to go this

year and should give a good account of himself. Plummer's all around play last season will probably earn him a steady position this year.

Tetley and Murphy, two of last year's lettermen, failed to report this year. Tetley failed to return to school and Stretch Murphy decided against going out for football this year.

The Miner schedule is as follows: Sept. 21—Pittsburg Teachers; at Pittsburg, Kansas.

Sept. 29—Arkansas Tech; at Rolla.

Oct. 5—Kirkville Teachers; at Kirkville, Missouri.

Oct. 13—McKendree; at Rolla (Homecoming).

Oct. 20—Open date.

Oct. 27—Arkansas University; at Fayetteville.

Nov. 2—St. Louis University; at St. Louis.

Nov. 10—Open date.

Nov. 16—Springfield Teachers; at Springfield.

Nov. 23—Maryville Teachers; at Rolla.

### ALUMNI NEWS

Gill Montgomery, '34, left Rolla Sunday for Bartlesville where he will be employed in the field by Phillips Petroleum Co. He has spent several days here since his arrival here from Wyoming where he was associated with Dr. Duke on the Rocky Mountain-Big Horn-Beartooth Project of the G.S.A.

# SPORTS

## PITTSBURG IS READY

Eight Lettermen Lost to Coach 'Blue' Howell's Gorilla Football Machine

Pittsburg, Kans., Sept. 20.—After three weeks of intensive work under the direction of Coaches "Blue" Howell and "Doc" Weede, the Gorilla football machine will march out onto the gridiron Friday night in its first test of the season against the Missouri Miners.

Faced with the loss of eight lettermen through graduation, and with holes left by others who failed to return, the coaches have plugged the gaps with new men who, for this early in the season, are performing almost like veterans.

Scrimmage the last week has been a seasoning process for new ends, tackles, and backfield men who replaced Tims, Livingston, Seay, Moriconi, and Ewing, veteran players last year. Passers and kickers have been drilled intensively by Howell to take advantage of the "breaks" for speedier football under the new rules.

Leland Smith, quarterback from Canon City, Colo., has shown an accurate brand of passing which will be a powerful threat on the offense.

Chris Killian, veteran fullback, has been booting the ball farther than ever in practice session, while Russell is pushing him hard for

punting honors. Rickett, fullback from Fort Scott, will also probably see some action in Friday's game.

With Tarrant, Royer, Wells, Davis, Hawley, Bly, Kolb and Roberts, all veterans, showing up for line duty, the Gorillas should present a fairly strong defense against the invaders.

### FIRST MEETING OF THETA TAU IS HELD

Theta Tau, professional engineering fraternity on the campus, opened its program for the year by holding the first meeting last Thursday evening, September 13, in the club room of the Metallurgy building.

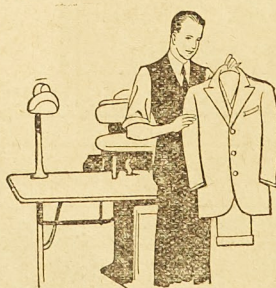
Although there are only eight active members to carry on this organization at the opening of school it is hoped that it may be built up to one of the leading organizations on the campus during the course of the year. The officers for this year are the following: president, O. W. Kamper; vice-president, N. J. Gilsdorf; secretary, J. W. Ruwwe; treasurer, R. J. Knoll, and corresponding secretary, H. D. Dallmeyer.

At the meeting much business was discussed and the organization is ready to begin the year with a bang. Pledging will begin soon and pledgship will be open to sophomore, junior and senior students, of any branch of engineering. Pledges are chosen for Theta Tau not alone upon their scholastic record but also upon their personal record.

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# PORTER MURRY HURT SERIOUSLY IN ARIZONA

Porter Murry of Liberal, Kan., a sophomore and member of Pi Kappa Alpha was seriously injured this summer in an accident at Payson, Ariz., where he had been working for the summer.

Murry was caught in a moving belt and his right arm was crush-

ed so badly that it had to be amputated. He sustained three compound fractures of his left arm, and one finger of his left hand was cut off.

Murry was taken to the hospital at Globe, Ariz., for treatment. The situation was complicated by the necessity of making a 65 mile trip to reach the hospital. Porter had planned to return to school this

fall, however, it is rumored that he will not return to school until the second semester.

The national policies of this country are being determined by a group of men who are not in sympathy with much that we hold sacred to our capitalist system.—George H. Houston, president of the Baldwin Locomotive Works.

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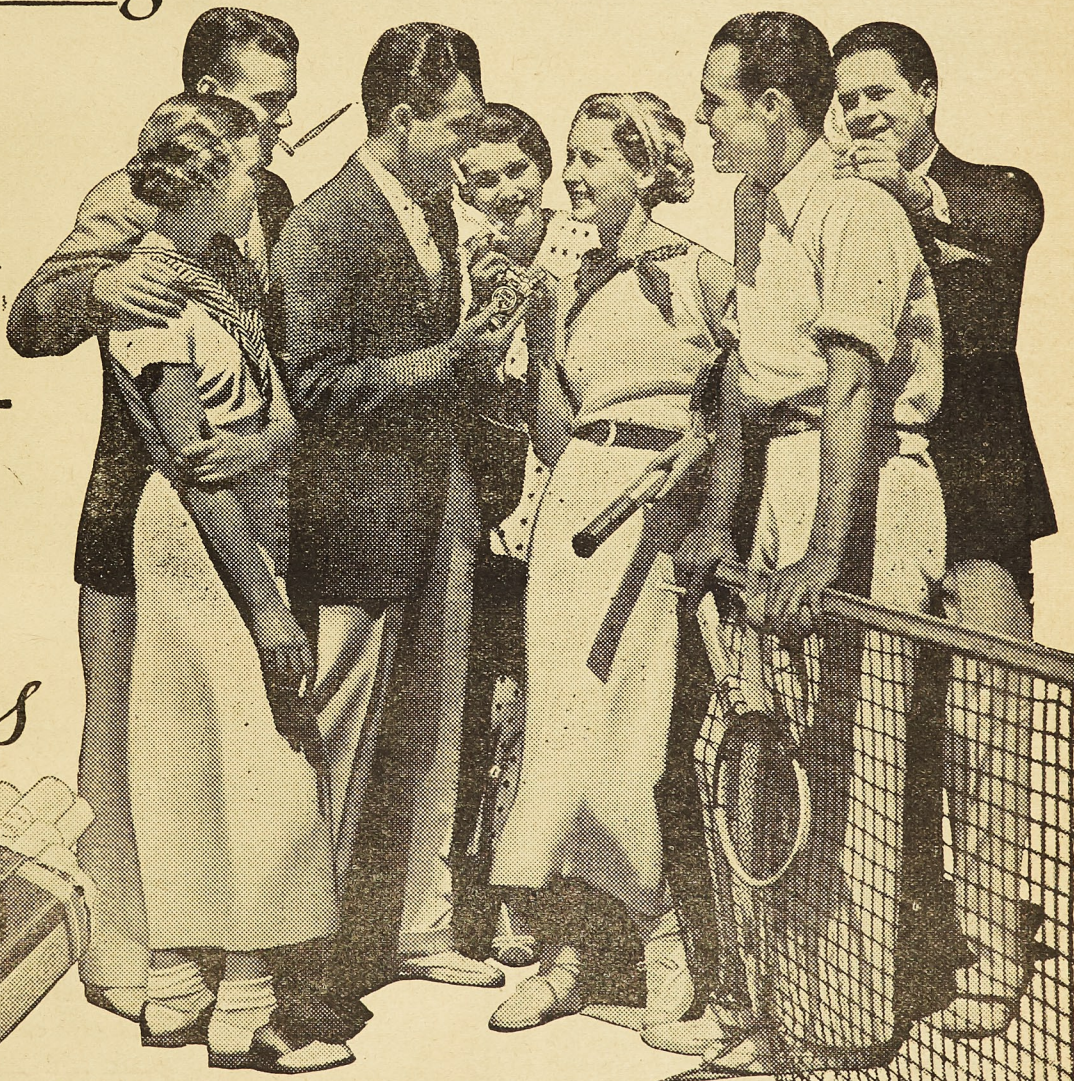
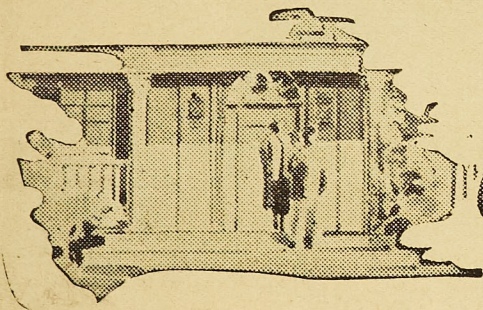
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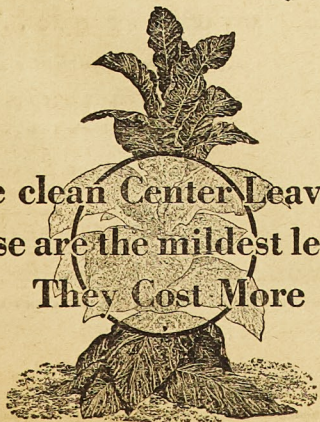


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### FINANCIAL STATEMENT 1934 ROLLAMO To September 7, 1934

#### Receipts:

Jan. 1, 1934, Cash on Hand	\$ 92.41
From 1933 Rollamo Accounts	50.00
From Organizations	515.00
Advertising	145.00
Sale of Books	1162.50

\$1964.91

#### Expenses:

Printing	1035.09
Engraving	700.00
Photography	77.00
Miscellaneous and Operating	52.99
Keys for Members	55.17
Check Taxes	20
Cash on Hand	44.45

\$1964.91

#### Assets Sept. 7, 1934

Owing on 1933 Rollamo Account	\$100.00
Owing 1934 Rollamo by Organizations	100.00
Cash on Hand	244.46

#### Liabilities Sept. 7, 1934

Engraving	\$28.17
Miscellaneous	1.95
	\$30.12

N. J. GILSDORF

Business Manager, Rollamo

#### Accounts audited

H. H. ARMSBY  
Student Advisor

### THIRTEEN MINERS ARE WED DURING SUMMER

Dan Cupid was extremely busy this summer with his little bow and arrow, thirteen Miners being married. Lest there be apprehension in the number thirteen, there are rumors about that there are several secret marriages not yet reported.

Foremost of the marriages was that of Rex Williams, instructor of mechanics, and Marion Watson of Rolla, who were married in St. Louis Sept. 1. They are making their home at 508 East Fifth St., with Mrs. Williams' mother.

The wedding of William McDill, editor of the Miner, and Miss Roberta Hartman of Rolla, took place Aug. 11. The wedding was solemnized at the Christian Church at Rolla. McDill was employed by the Forestry Service this summer and has now returned for his senior year here.

Announcement was made recently of the secret marriage of Miss Marvin Line of Rolla to Hardin (Happy) Hendrickson of Poplar Bluff. The ceremony took place at Cuba, Mo., Feb. 1, 1933.

George Eckert, graduate assistant in chemistry, and Miss Bernice Owens of Rolla were married

in Union, Mo., on Aug. 18. Eckert graduated from the University of Illinois in 1931.

The wedding of Rex Monroe, '32, Edwardsville, Ill., former track star, and Miss Mickey Coffman of Rolla, occurred Tuesday, Aug. 10, at the Christ Church Episcopal at Rolla. Monroe is now employed by the Shell Petroleum Corporation in East Chicago.

Robert Weigel, '33, of Webster Groves, Mo., and Miss Margaret Hough of Tulsa, Okla., were secretly married Saturday, May 5, midnight. The announcement was made last spring before the Commencement Ball. Mrs. Weigel has returned to continue her studies here this year.

Announcement was made this summer of the secret marriage of Richard Love, '37, and Miss Dorothy Blackford, both of Rolla. The couple were married at Vienna, Mo., in July 1933.

The marriage of William Weigel, '28, of Bonne Terre, Mo., to Miss Irene Stuesse, of Beauport, Mo., took place in St. Louis June 3, 1934. Weigel is employed by the St. Joseph Lead Company of Bonne Terre.

The secret marriage of Harry Hedges, '32, to Miss Claudia Smith, both of Rolla, took place at Waterloo, Ill., June 3, 1933. Hedges is

employed in St. Louis in government work.

Warwick Doll, '33, of Kansas City and Miss Ellen Woodman, daughter of Dr. and Mrs. Woodman, were married June 2 at the Woodman home in Rolla. Mr. Doll is employed in Kansas City by the U. S. G. S.

Announcement was made this summer of the marriage of Ted Hunt, '32, and Miss Louise Johnson of Rolla, which took place at Baton Rouge, La. Hunt is working for the government there.

The marriage of Ellsworth Groff, '35, Iberia, Mo., to Cora Ellen Light of Rolla took place Aug. 10 at Salt Lake City, Utah.

#### FORESTRY

We cannot, then, in consistency with our motives pass up an opportunity to be progressive in our program of timber conservation with its accompanying erosion and esthetic value.

Missouri has been fortunate in receiving a large portion of funds set aside by the government to establish a national forest. Missouri has been, and can be again, an im-

portant producer of hardwoods. We as engineers should be aware of the value of this opportunity and should assist in the carrying out of the U. S. Forest Service Program for conservation.

## BUSY BEE LAUNDRY

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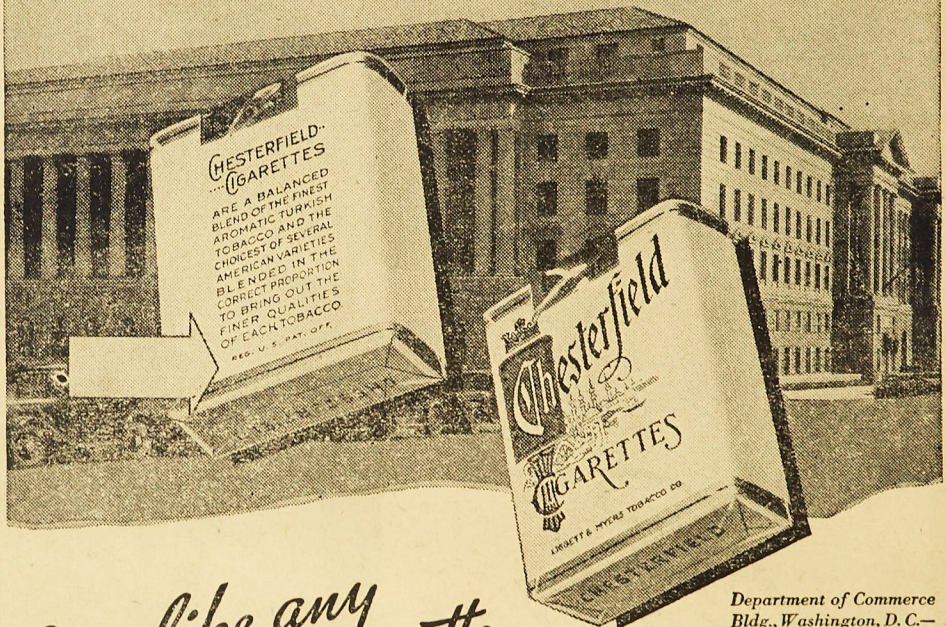
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