



26 Oct 1938

## The Missouri Miner, October 26, 1938

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# GLEANINGS FROM OUR EXCHANGES

By Carl Cotterill

A portion of a resume of fresh exchanges at Washington U. follows:

"We, the freshman class, request:  
1. That freshman rules be applied by seniors only.  
2. That freshman rules be used to induce school spirit as originally planned, and not to oppress and lord it over the frosh.  
3. That paddling be used only as a last resort. If a freshman breaks a rule, place a humiliating penalty of your own choosing upon him.  
4. That trials be conducted with the freshmen having a better chance to defend themselves.  
5. That the personal element be eliminated as much as possible.  
6. That an agreement be reached between senior vigilantes and freshman orientation leaders upon questions such as:  
Do frosh boys have to "button" to senior girls?  
Do frosh girls have to "button" to senior boys?  
7. That cases wherein a freshman is caught between two rules and must break one, be thrown out of court.  
8. That the frosh have a spokesman to defend them in cases of unfairness. Permit this mediator to come before the Vigilance Committee when a group of classmates think a rule or sentence is particularly unfair, and remove the differences by arbitration.  
(Note: For the last several years Washington U. abolished hazing but it now returns.)

Jackling, President Utah Copper Co. Feted by Colorado School of Mines

A new Mines institution, the Student Exchange, came into being during the past week. This enterprise represents past ideas, recent efforts and present activities of students of the Colorado School of Mines.—The Oredigger.

THEY DON'T GET IT  
"The sophomore said, 'Do you have a match?'  
"You see, I need a light."  
The frosh turned pale, took off his pants,  
And didn't even fight.—Mo. Miner

The exchange editor admitted that she printed this item because she couldn't understand it and hoped one of the readers might.—S. W. Sid.

The Colorado School of Mines has a new high in enrollment with 765 total.

Warrensburg STC is building a new 200,000-book library now.

A small boy saw his first elephant in the back yard and immediately called the police.  
"Chief," he said, "there's a queer animal out here in my back yard. He's picking flowers with his tail."  
"Yes," said the chief, "and what does he do with them?"  
"Never mind," was the answer, "you wouldn't believe me if I told you."—Oredigger (Colo.)

"Joiners" Curbed  
The maximum numbers of points that any student may carry unless special permission is granted by the committee in charge is twenty-four points (24).

Each president of an organization, each editor-in-chief, each business manager, fifteen points (15).

Any other officer, eight points (8).  
"Any other officer" refers to any designated official of the administration of an organization, including also, the individuals of such groups as editorial staffs, boards, cabinets, and pep leaders.—Capaha Arrow.

Advisors Picked by Interfrat. Council  
The regular weekly meeting of the Interfraternity Council was held in the club room last Tuesday evening. The major undertaking of the evening comprised the election of Faculty Advisor for the Council.

Each member arose in his turn and expressed his opinion as to who was best fitted for the position, giving his reasons for the choice. After much debate and controversy the election was held, selecting Professors Gevecker and Walsh from the eleven men on the list of candidates.

The next business of the evening consisted of the selection of a Council Key, from a number of original ideas submitted by a few well-known jewelry firms.

Because of the low attendance it was impossible to organize a campus club at this meeting.

## 125 PRESENT AT MINERALS CONFERENCE

Varied Program Presented; School of Mines and Geological Survey Praised

Continuously praising the Missouri School of Mines and Metallurgy and "Chief" Buehler and his Missouri Geological Survey, one hundred and twenty-five men, representatives of the Missouri Mineral Industries, gathered in Rolla Friday and Saturday, October 21 and 22, attending the first annual Missouri Mineral Industries Conference.

A varied program was presented consisting of one speaker from each of the major industries based on minerals of Missouri. Friday morning under the chairmanship of Director Chesedey dealt with the technical problems of the Southeast Missouri Lead District, of the Coal Industry, and of the Tri-State District, the speakers being Mr. J. E. Jewell, T. E. Creasley, and Victor Rakowski, respectively. Each speaker told of the operations of his company and the problems that they have met and solved.

Mr. A. P. Green, who was to be chairman of the Friday afternoon session, was unable to attend the meeting and his place was taken by Mr. W. M. Weigel, who was also chairman of the Saturday morning session. The first speaker of the afternoon was Mr. George C. Smith who spoke on the "Civic Interest in the Mineral Industries of Missouri" and included in the talk the fact that while the University of Missouri and the several State Normal Schools were receiving enormous appropriations from the state legislature, the School of Mines and the Missouri Geological Survey, both service institutions to the hidden wealth of Missouri, were being shamefully neglected. Following his speech, which was very well received by both students and guests, some discussion was given this subject by Professor Greaves-Walker of North Carolina. Mr. C. M. Butler of the Marquette Cement Co., concluded the technical papers with a discussion of the problems of the cement industry. Discussion of the work of the mineral service institutions available to the public followed, the speakers being Dr. H. A. Buehler of the Mo. State Geological Survey, R. S. Dean, Chief of the Metallurgical Branch of the U. S. Bureau of Mines, and Director Wm. R. Chesedey of the Missouri School of Mines. The session was concluded with a few remarks by Dr. Layton of the Illinois Geological Survey. A resolution was adopted appointing a committee to see about making the conference an annual affair.

Saturday morning the session was devoted more to the mining industry of non-metals. Mr. John Prince spoke on the "Sand and Gravel Industry"; Mr. Roy E. Mayes discussed the "Marble and Cut-Stone Industry"; "The Tripoli, Chert, and Ground Limestone Industry" was discussed by B. D. Reynolds; while the Barite, Pyrite and Iron Ore Industries were discussed by W. H. Comins, R. Z. Williams, and M. E. Richards, respectively.

Friday evening the conferees attended the A. I. M. E. dinner dance and heard Dr. D. C. Jackling speak. Many also stayed for the Miner-Arkansas Teacher game and the M. S. M. Alumni dinner and dance Saturday.

Dr. Schrenk Lectures on Liquid Air at Teachers Convention  
Thursday evening the Missouri School of Mines presented to a gathering of teachers a program of entertainment, during which Dr. W. T. Schrenk, head of the chemistry department, gave a demonstration with liquid air. Following a concert by the M. S. M. band, Dr. Schrenk entertained the audience with a display of the cooling effects of liquid air. Sch elastic materials as rubber balls became brittle when immersed in liquid air. It was demonstrated that liquid air has the property of supporting combustion, a quality common to most liquids. C. R. Maize, also of the chemistry department, assisted Dr. Schrenk in the demonstration.

More than 500,000 copies of a specially prepared edition of the Gospel of John have been distributed to U. S. college and University students by Wheaton College's Scripture Distribution Society.

## Views of Prominent Features of Miners' 1938 Homecoming Celebration



Pictured above are: upper left, Triangle's second-prize float; upper right, a scene at the Homecoming Ball Saturday night; lower left, Dr. Chesedey, Dr. Jackling and other dignitaries at the football game; and, lower right, the winning float of the Pi Kappa Alpha Fraternity.

## Big Celebration Held for Homecoming

Old M. S. M. Graduates received a warm and hearty welcome during two days of campus activities October 21 and 22, including a football game preceded by a parade of competitive floats, and a successful Homecoming Dance at Jackling Gym, in addition to various programs given by the individual campus fraternities. Many of the "Grads" were fortunate in being able to attend the A. I. M. E. dinner and Mineral Industries meetings held during Friday and Saturday besides attending the various social functions carried on about the campus.

Highlight of Saturday's activities was the Homecoming Parade up Pine street to the football field. Judged the best float of the parade was that constructed by the Pi Kappa Alpha, with the Triangle House winning second prize. The Pi Kappa Alpha float, in keeping the Saturday football game, consisted of a football field in miniature, of excellent construction, on which stood a representative of "Grad" and a representative Miner Football warrior holding a bear skin. On the float was placed the slogan "Skin those Bears, Miners," which was hoped to be symbolic of Saturday's game. The Homecoming Parade is sponsored annually by "Blue Key," and the organization having winning float is awarded a trophy by "Blue Key," St. Pat's Board, and the Student Council. This is the second consecutive year the Pi Kappa Alpha House has won the float competition and it again received a permanent trophy suitable for the event.

Report Is Heard on DeMolay Conclave  
Fiss reported to the McRae Chapter of DeMolay on the Central Missouri Conclave held at Jefferson City, Oct. 15, at the chapters last meeting. Fiss stated that the first main event of the conclave was an informal dinner held at five thirty. At seven o'clock the formal meeting was opened by the Jefferson City chapter which also conferred the initiatory degree on 19 candidates from all the central Missouri DeMolay chapters. After the initiation three Jefferson City DeMolays were presented with their Representative DeMolay awards. Immediately following the awards the Maplewood chapter of Maplewood Missouri conferred the DeMolay degree. This concluded the degree work and the conclave closed with a dance. Fiss concluded his report by adding that a good time was had by all.

## Dr. D. C. Jackling Gives Interesting Views on Engineering Education

Says Stress Should be Placed on Learning Practical Application of Fundamental Laws of Mathematics and Chemistry; Expresses Interest in Future of M. S. M.

By E. L. Claridge  
"Anything I can do for the School of Mines I consider one of my first and prime duties, for it did much for me," Dr. Daniel C. Jackling emphatically pronounced in a personal interview last Saturday morning in his private railroad car.

The great industrialist expressed his opinion on where the stress should be placed in the engineering student's education, saying, "I am not so impressed as some people are to the worth of specialized engineering education." Instead, the stress should be placed on learning to apply practically the fundamental laws of mathematics and chemistry. The engineer must have a broad knowledge of how to apply the laws of nature, according to Dr. Jackling. For this reason much of the "theory" proper of modern science is better omitted from the education of the engineer and more time spent in learning the basic sciences and applying them in practice in the laboratory and during summer work.

Advanced Theories Irrelevant  
Taking the Atom as an illustration, Dr. Jackling explained that so far as use of the theory is concerned the atom of 1890 is the same as the atom of today. Newer theories of structure have made little advance in our ability to use it. If therefore we know how to use it, it is not so important to know its structure, Dr. Jackling pointed out.

He qualified this a bit, however, saying that this advanced theory is necessary in ferreting out new effects by research. Radio engineers at other specialist may use this theory, but the ordinary engineer does not, he concluded.

Actual Practice Most Important  
"A man doesn't know how to do a thing until he's done it," Dr. Jackling continued. Prior to that time he has just been told how others have done it. After that time he can improve methods and establish precepts himself.

For this reason work in industry is very valuable to the undergraduate engineer. The education from books and classrooms is inadequate. "Unless a man has the opportunity to emulate a character in one of Dickens' novels who was told how a horse was made and what to look like, and then was sent out to curry one—unless one has the opportunity during vacations, then a year of work between the Junior and Senior years would give him

## Local A C E Hears Dr. Greaves-Walker

Described by an Eastern student of the Institute as a competent student of the Institute, Dr. Greaves-Walker, President of the American Ceramic Society last Thursday evening, Dr. Greaves-Walker told the members that although Ceramic Engineering was the fifth oldest branch of engineering in the world, Ceramics as an engineering field was not, until recently, recognized as such. He attributed this lack of recognition to the fact that at the time other branches of engineering were founding their societies, the Ceramics failed to do so, but during the past few years the Ceramics have been organizing and are now gaining recognition.

Dr. Greaves-Walker went on to say that since engineering is being recognized as being as much of a profession as medicine or law, state legislatures in forty of the forty eight states have passed laws requiring one to obtain a license to practice engineering. Missouri not being one of the states, he closed his speech with suggestions to the members for founding a local chapter of the national professional engineering fraternity, Ceramics.

English Important  
An intimate knowledge of and ability to use spoken English is of paramount importance, Dr. Jackling warns those students who would neglect it.

Opportunities in Mining Declining  
Concerning opportunities in mining, Dr. Jackling says that these are naturally declining, for the United States and the other countries of the world as well have been rather effectively scoured for mineral deposits. Since new deposits are not being formed in the lifetime of men today there is naturally little left to discover.

In the time up to the last quarter century the principal interest of mining was discovery of new and especially rich ore bodies. Now, "the great field of the future lies in the economic handling of what is known and yet to be discovered," Dr. Jackling explained that in many cases uneconomic methods of work, engineers have and will continually increase the efficiency in this respect. The earth's crust will be penetrated to vastly greater depths in search of minerals, but the principal advance will follow as a result of advances in physical metallurgy. The commercial value of metals is increased by better alloying and physical treatment, so that the various metals are worth more per pound, and the working of

Farquharson Named Business Manager  
Don Farquharson, formerly cashier at Wichita University at Wichita, Kansas has been appointed business manager of the School of Mines and Metallurgy here, succeeding Mrs. Bertha M. Jackson who has resigned.

Farquharson was graduated from the Kansas State Teachers College of Emporia, Kansas, in 1927, majoring in commerce and finance. Following graduation he taught for two years and was then in the theater business for four years before joining the staff at Wichita University.

Mrs. Jackson has been in the office of the Business Manager here for twelve years, and since the retirement of Edward Kahlbauer as business manager in 1936 she has been acting business manager of the school. In 1936 Mrs. Jackson then the widow of the late Senator Frank H. Farris of Rolla, was married to the Reverend Virgil Jackson, Rector of the Episcopal Church of Rolla. In giving up her work at the School of Mines Mrs. Jackson plans to retire from business and devote her time to her home.

There will be a mass meeting in the Auditorium at 11 a. m. on Friday, October 28. Program will consist of some very important announcements, outline of Dad's Day activities, and Pep meeting for the

## 1938 - 1939 OUR SILVER ANNIVERSARY

NUMBER 7

## DR. JACKLING SPEAKER AT GRAD DINNER

Calls MSM 'Best Technical Institution for Laying Engineering Groundwork'

Speaking, as he stated, from his heart, MSM's most famous alumnus D. C. Jackling exalted the School of Mines in his talk, given without notes, at the Alumni Association's banquet held at the Edwin Long Hotel Saturday evening. Characterizing in true earnestness the School of Mines as the best technical institution in the country for laying engineering groundwork, Jackling emphasized Rolla as a school of quality and not quantity. "Its environment is right," he stated. A great advantage, said he, is that "the personnel is never so large that each student cannot receive personal attention."

To quote him further, "It is a policy of the companies with which I am affiliated, never to turn down a Rolla man's application for a job, providing he is willing to wait for an opening and to accept the position offered him." He then went on to state emphatically, "and this policy will continue." Although accused of partiality in dealing Rolla graduates so many jobs, Jackling says that records of results justify his choice.

Speaking not as a powerful Copper King, but rather, as a loyal M. S. M. alumnus, Jackling modestly stated that he was not worthy of the honors heaped upon him.

"I am very ambitious to see several things done at M. S. M.," he said. First on his list was the establishment of a superior graduate school for research at Rolla. He suggested the appointment by the Alumni Association of a committee "to promote ways and means of supporting the school in such ways when the State will not support."

Further, he offered his services to the committee.

Introduced by R. F. Rucker, president of the Alumni Association, Jackling attired in a tuxedo, seemed a bit nervous while praises were being turned his way. He blushed with pride, when a bronze tablet in his honor was unveiled.

In beginning his talk, Jackling gave an interesting sketch of his earlier days which were spent mostly on a farm. His desire to be an engineer dated from the time he met an alumnus of M. S. M., while hauling stone in Sedalia, Mo. By dint of persuasion, he obtained permission to look through the engi-

Plans are Complete for Dad's Day Here  
Plans for Dad's Day, to be held here next Saturday, have been completed by the faculty committee headed by Dr. Shrenk of the chemistry department working in cooperation with the Student Council. The purpose of Dad's Day, is to acquaint the fathers of students with the instructional staff and with the educational facilities of the school, as well as to promote a better mutual understanding. The father of every boy in school has been sent a personal invitation by the committee, and a large attendance is expected.

On Saturday morning Blue Key will furnish guides for a tour of the campus. On this tour, the fathers will have an opportunity to see their sons at work in classroom and laboratory, and to become acquainted with various members of the faculty.

At noon the various clubs and fraternities on the campus will hold luncheons for the fathers of their members. Following lunch, the dads will be the guests of the school at the football game between the Miners and the Southwest Missouri State Teacher's College of Cape Girardeau.

A banquet will be held Saturday evening which fathers, students, and faculty are all to attend. The principal speaker of the evening will be Dr. A. C. Magill, professor of chemistry at the Cape Girardeau Teachers College. Prominent fathers, students, and faculty members will also give talks.

Miner-Cape Teachers Football game on Saturday  
Important that everyone be present.



## Protect the School of Mines

Senator George Clayton, M. S. M.'s alumnus in the state legislature, struck at the seat of the School of Mines' troubles when he stated that there were besides himself, only two men at the State Capitol to protect M. S. M.'s interests. These two men, not strange to hear, are men from the county and district within which Rolla is located. Lack of funds is particularly at the present time a milestone around the neck of this institution, which was recently described by Daniel C. Jackling, a man not apt to let his prejudices interfere with his judgment, as the best school in the country for laying engineering groundwork. The time has come when old buildings can no longer serve their purpose. Old equipment is becoming obsolete, and it is a proved fact that professors are underpaid. For proof of the statement look over the list of brilliant professors who have left M. S. M. for other institutions in recent years.

How much longer can Missouri School of Mines stay in the sun with such conditions existing? That is a question which has worried students for several years and is now spreading to alumni and other interested engineers, to alumni who, unlike the state legislature, realize the value of Rolla and its reputation in engineering circles.

With engineers over the state becoming aroused, a gleam of hope is beginning to arise for the school. At the Missouri Minerals Industries Conference a prominent railroad industrialist, not a School of Mines alumnus, lamented Rolla's maltreatment and gave rise to the clear bit of thinking that engineers create jobs, while teachers must have jobs created for them. Last year the teachers colleges received larger appropriations than MSM, although it is self-evident that a technical school is much more expensive to maintain.

Senator Clayton suggests that Alumni acquaint themselves with their state representatives as a remedy for the schools ill-treatment. There is no reason why the whole of Missouri cannot be as interested in Rolla as it is in Columbia. Students at Rolla probably come from a greater cross-section of the world than do matriculate at any other school in the state, figured on the percentage basis.

This year the School of Mines is asking for funds for a new building. The appropriation may be granted if alumni and students, through their parents and friends, convince state legislators that Rolla should no longer be ignored.

The last building erected here before the present hydraulics lab, was built in 1923. Since then enrollment has doubled. Dad's Day next Saturday affords a great opportunity for letting the needs of this school be known.

### WHAT WHEN WHERE

Wednesday, Oct. 26		
Student Council	7:00 P. M.	Club Room
A. I. M. M. E.	7:30 P. M.	Geol. Lect. Room
Senior Class	4:00 P. M.	Chem. Lect.
Hi-way 66 Assn.	2:00 P. M.	Auditorium

Thursday, Oct. 27		
Theta Tau	7:30 P. M.	Club Room
Friday, Oct. 28		
Theta Kappa Phi Dance		

Saturday, Oct. 29		
DADS DAY	ALL DAY	
Football — Cape Girardeau—Here		
Pi Kappa Alpha Dance		

Monday, Oct. 31		
S. A. M. E.	7:30 P. M.	Geol. Lect. Room
Tuesday, Nov. 1		
Miner Board (News)	7:00 P. M.	Power Plant

Wednesday, Nov. 2		
Alpha Chi Sigma	7:15 P. M.	Chem. Rm.
St. Pats Board	7:30	Board Room

## Wanderings of A Soph's Mind

By J. A. Soph

Well, I am going to rite a letter of protest to the Director about the way Butler runs his freshmen survey classes, on acct of the other day I cum home from school and wint into my room and there was a surveyin party of freshmen what had drove a steak into the middle of my bed and was trying to set up a transect over it. Immediately I panned a foar of thim and ast thim what they was doin in my room and they sed, Butler sed for thim to run a transect and the next point on the transect was in the middle of my bed and so they had to set up the transect their. However, it was all a mistake, on acct of it was lookin thru the rong end of the transect telescope, and there foar they was goin around the transect backside afore.

As if we didnt have enuff trubel one of the churches had a meeting the other nite and was goin to send a missionary to Aferka to invert the head-hunters to Christianity, and sumbody sed, why send the missionary to Aferka when we have 800 heathen Miners rite in town, so they are just about to send sum missionaries up hear to the campus to invert us. Things are pretty bad up hear, on acct of most Miners that a parson is a fello what provs parsnips. I am not so bad, however, on acct of I was in a church once when I was about three years old.

A special commission has been appointed to correlate and improve the curricula of all Louisiana colleges.

Washington State College has a new women's physical education building constructed at a cost of \$450,000.

## THE MISSOURI MINER



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# FEATURE PAGE

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THE MISSOURI MINER

October 26, 1938

## Airplane News

By Ray Vaughn

Did you know that right here in this vicinity there is being manufactured an airplane that is larger than any passenger plane today in commercial use?

The manufacturer is the St. Louis Airplane Division of the Curtiss-Wright Corporation at Robertson, Mo., and the plane is Model P 20, which is scheduled to fly in the near future.

This experimental job is designed to fly at 33,000 feet at a maximum speed of 237 M. P. H., a cruising speed of 210 M. P. H. at a ceiling of 20,000 ft. and to land at 66 M. P. H. It is a double fin and rudder monoplane with a passenger capacity of 30 as a day ship and 20 as a sleeper with a crew of four, and in addition has 600 cu. ft. for baggage mail, and express—estimated to hold about 6,000 pounds. It spans from wing tip to wing tip 108 feet, has a length of 76 feet, an overall height of 18.75 feet, and a wing area of 1,333 sq. ft.

The roomy cabin is beautifully decorated, has indirect lighting, and is furnished with luxurious lounging chairs or comfortable berths. Besides the large cabin (10 x 35 ft.), there are two rest rooms and a steam table for hot lunches. The pilot's compartment is fitted with a convenient arrangement of the latest in instruments and radio equipment. The fuselage is constructed to withstand an inside pressure, necessary for passengers comfort at high altitudes, of 5 pounds per sq. in. with a factor of safety of 3.

Power for the P 20 is furnished by two Wright Cyclone GR-2600 double-row engines, which develop 1,600 H. P. each at takeoff and 1,350 H. P. each at normal maximum R. P. M.

The boss of the construction of this job is Mr. J. N. Foster, 25, E. S. in M. E., who is Factory Superintendent of the division. The P 20 is only one of Mr. Foster's worries, as three other experimental jobs are also under construction.

## Electricals Visit Osage Power Plant

The Osage Dam and Power Station and the Missouri State Highway Patrol short-wave station were two of the places inspected by the senior electrical engineers on a short tour taken last Thursday.

The first stop was made at the Osage-Peage Transmission Line, located about 39 miles north of Rolla. From there the seniors proceeded to Jefferson City where the Missouri State Highway Patrol short-wave transmitters and receivers were inspected.

The last stop was made at the Osage Dam and Power Station. Before visiting the power station itself, a view of the complete development of the project was obtained from a hill-top in the vicinity of the dam. The seniors then proceeded to the power station proper and made a round of the complete plant. Some of the main units of the plant seen were: the service generators, station service control room, battery room, generator and electrical bay roofs, main transformers, and lightning arrestors.

## Frosh Is Taught to Remember Green Cap

One night last week while walking uptown with a beautiful young high-school girl, a young freshman was approached by several upper class men, proceeded to ask the frosh whether or not he had quit wearing his green cap, since the traditional head gear was not in sight. The freshman dumbfoundedly stated that he had left his cap at home, whereupon he was given the choice of walking up Pine Street minus his trousers or having a fellow freshman's cap glued to his thick skull. As his woman companion was with him, the frosh decided it would be more respectable to have the cap glued to his head. The procession advanced to Scott's where two (2) bottles of iron glue was purchased. The glue was applied ceremoniously before a crowd of gleeful spectators.

The young lady in the meantime had home with hatred toward the upper classmen, who had ruined a promising evening with her little Joe.

The frosh after being ridiculed hurried home to wash the unpleasant hair oil from his forgetful head. After an hour or so of kidding and razzing by the other members of the house, the frosh retired for the night with the vow that he would seek revenge next year.

## SCMTA Conference Is Held in Rolla

The South Central Missouri Teachers Association held its annual conference at the Rolla High School, Thursday and Friday, Oct. 20 and 21. The conference was declared very successful, a new attendance record of 732 teachers and 251 visitors being registered. It is believed that over a thousand people actually attended. The county having highest attendance of teachers was Crawford County, with a total of 124, and Phelps County was second with 123.

Although there are but nine counties in the district, it is notable that there was scattered attendance from sixteen counties outside the district. Election of officers was held. County Superintendent Ralph Marcus, of Rolla, succeeded Supt. Paul Breuer, of Blaine, as Chairman for 1939.

A number of outside speakers were secured, through cooperation with similar conferences being held at the same time in Springfield and Cape Girardeau. Included on the program were illustrated lectures by Dr. W. T. Schrenk and Prof. W. J. Jensen of the MSM faculty, and a concert by the ROTC band.

A luncheon was given jointly by the Rolla Summer Session alumni and the Rolla Rotary Club Friday

## In the Morning Mail

Our School of Mines has won national reputation as an engineering school, has graduated competent men into every phase of the profession, and has distinguished itself by its originality, vigor, and almost complete singularity. But the theme song of our school has been copied from one of the larger institutions of the country, namely Georgia Tech. This glaring bit of unguineity seems to rob us of the glory which should be ours from an original song having a strong, defiant tune and a few words of praise to the school. Certainly, everyone will agree that we are lacking in this respect.

Why has the issue been neglected? The answer is easy. Most schools have some sort of executive branch to guide in the selection of songs, yells and so on but since ours has not the student body, for want of something original, gradually adopted the song we have at present. The student body, then, is to be relied upon to select something better and to establish it as our song.

Would we have to abandon the "Mining Engineer" certainly not. But establish an anthem that has in it originality, glory, and the fight of a Miner.

Sound your opinion of the matter to the different heads of school organizations and keep it in mind. There will be more on this subject.

### A Freshman

## Dr. Mann Returns from Eastern Trip

Dr. and Mrs. C. V. Mann returned Sunday evening from a trip to Alfred University, at Alfred, New York, where Dr. Mann addressed the student chapter and faculty members of the local section of the American Ceramic Society. Dr. Mann reports that he was given a dinner by the students and faculty, and that his address, on "Looking Forward in Engineering — and Selecting Students for Engineering" was received in a most interesting way. The hall in which he spoke had been taken and arranged to stand Dr. M. E. Holmes, former head of the Ceramics Department at Missouri School of Mines, is head of the Ceramic Engineering school at Alfred University, the greatest school of this kind in the world.

On leaving Alfred, Dr. and Mrs. Mann motored to Philadelphia, where they searched the libraries for material Dr. Mann is to use in his history of Missouri School of Mines. Philadelphia was the locality in which Dr. Charles P. Williams, first Director of Missouri School of Mines, received his technical education and taught in the old Polytechnic College of the State of Pennsylvania. This old school was the first "school of mines" in the United States, and its plan was essentially the same as the one under which Missouri School of Mines is now operating. Dr. Williams was professor of chemistry there some years before coming to Rolla.

On their way home Dr. and Mrs. Mann visited with Dr. Geo. E. Ladd, and Dr. Lewis E. Young, both former directors of Missouri School of Mines, both of whom supplied Dr. Mann with many facts relating to School of Mines history. The Manns also visited with friends at Purdue University, where Dr. Mann also had conferences with Dean A. Potter, Dr. Frank Knight, Dr. H. H. Remmers, and Prof. Justus Rising, concerning matters relating to business of the S. P. E. E. Committee on Comprehensive Examinations, of which Dr. Mann has been Chairman for the past three years.

noon, at which State Supt. Lloyd W. King was guest speaker. The meeting was closed with a free picture given by the Rollamo Theatre Friday afternoon.

## Armin Fick Named to Head Rifle Club

At its initial meeting of this semester on October 21st, the Rifle Club elected Armin Fick President to take the place of the former President, Wade McCarty, who has left M. S. M. this summer.

The 44 men who attended this meeting were divided into two groups; one to meet on Thursday, the other on Fridays for the purpose of instruction and practice in rifle marksmanship.

There is no set number of members that may belong to the club, but the team, which is managed by John E. Kiser, is limited to the 15 best men.

The dues, which were set at \$1.50, are to be collected by the Secretary and Treasurer Eng. Olecott.

In the future, as in the past, 5 block M's with crossed rifles on a target, will be awarded to the 5 men who have the highest average for the season.

Sergeant Bertram will be the team coach and advisor.

## Pledge Dance Held by Sigma Pi Frat.

In conjunction with its annual Homecoming celebration for its alumni, this year the Sigma Pi Fraternity gave its annual Pledge Dance on October 21. Some 200 persons danced to the music of the Varsity Orchestra last Friday evening. Among the house dates were: Mary Jane Nolan, Denver, Colo.; Patricia Kising, Grace Dienstbach, and June Tappmeyer of St. Louis; Helen Yenser, Junction City, Kansas; Jane Exton, K. Hamilton, and M. Sohmer of Jacksonville, Ill.; Edriss Tinsley, Mary Sue Smothers, and Rita Lohmeyer of Poplar Bluff, Mo. Among the guests were Mr. and Mrs. J. J. Livingston of Elizabethville, Ill.

Preceding intermission, the orchestra played an arrangement of the fraternity song. The vocal honors were done by the members of the fraternity.

The chaperons were Mr. and Mrs. A. B. Powell and Prof. and Mrs. E. L. Johnson.

## Workouts Held for Cross Country Race

Entrants in the cross country race are working out after school on the track preparing for this long grind. The course, which is slightly longer than last year's, starts on the track, leaving it on the west end and continuing south on State St. to 11th. It continues east on 11th to Main, north on Main to 12th and across the campus in front of Norwood Hall, around the east side of the Metallurgy building and across the campus to the 220 straight-away, finishing in front of the stands. The points to be scored are 150 for 1st, 125 for 2nd, 110 for third and 10 points less for each succeeding position except that all who finish receive 10 points if eligible (only two from each group).

of Czechoslovakia, has been invited to become a visiting member of the University of Chicago faculty.

The University of Wisconsin has a new course to train students for careers in the U. S. foreign service. Eduard Benes, former president

The University of Wisconsin will soon begin construction of a new cancer research building, to make the university one of the leading cancer research centers in the U. S.

## C. D. VIA

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ROLLA, MO.

## More For Your Money at WILSON'S PALACE

## Have You Tried JACK'S SHACK

for the very best in barbecued sandwiches and dinners that excel? Your favorite beer awaits your order.

Highway 66 & 63

## Dance Dates

Fri., Oct. 28	Theta Kappa Phi
Sat., Oct. 29	Pi Kappa Alpha
Fri., Nov. 4	Kappa Alpha
Sat., Nov. 5	Triangle
Fri., Nov. 11	Theta Tau
Sat., Nov. 12	Independents
Sat., Nov. 19	Junior Club
Wed., Nov. 23	Lambda Chi Alpha
Fri., Dec. 2	Kappa Sigma-Sigma Pi
Sat., Dec. 3	St. Pats Board
Fri., Dec. 9	Kappa Alpha
Sat., Dec. 10	Alpha Lambda Tau
Thurs., Dec. 15	S. A. M. E.
Fri., Dec. 16	Triangle
Sat., Dec. 17	Pi Kappa Alpha
	Sigma Nu

## ALUMNI NEWS

### Valentine Passes Away

Hundreds of M. S. M. Alumni and other friends of Herman F. (Val) Valentine, M. S. M. '23, will be saddened by the news of his sudden death on Sunday morning, July 24th, last. Although Val was ill for several weeks about two years ago, he seemed to have recovered completely and appeared to be in excellent health and spirits. Only a few days before his death, he had visited his physician for a routine examination, and the doctor had assured him that he was in good physical condition.

About 10 o'clock on Sunday morning, Val was suddenly stricken with a heart attack. He went to his bedroom to lie down, lapsed into unconsciousness and passed away before medical aid reached him a few moments later.

Val's sociable disposition and kindly interest in those about him had endeared him to a host of M. S. M. Alumni and faculty members over a period of years including those preceding and following the world war. For a number of years immediately preceding his death, he had rendered invaluable service as Secretary of the Southern California Section of the M. S. M. Alumni Association, to which position his unanimous election was annually a regular order of business in the Los Angeles group. During the current year, Cal had the distinction of serving as Vice President of the National M. S. M. Alumni Association.

The University of New Hampshire has a new course in hotel administration.

## Rollamo Theatre

### Motion Pictures Are Your Best Entertainment

(Fri. Oct. 28—One Day Only)  
Benefit Show Rolla Episcopal Church

Robert Young and Ruth Hussey in "RICH MAN POOR GIRL" Plus—Scrappy Cartoon and Comedy "Wee Wee Monsur" and On The Stage—"THE DANCING CORNWELLS" in a new and novel stage presentation.  
Shows 7 & 9 — Adm. 10 & 35c

(Sat. Oct. 29—Matinee & Night)  
Double Feature Program  
No. 1 — Don Ameche & Arleen Whelan in

"GATEWAY"  
No. 2—Buck Jones in "OVERLAND EXPRESS" Also Cartoon "Problem Child" and Chap 7 "Lone Ranger"  
Matinee Starts 1:30—Adm. 10 & 15c  
Night 1st Show 7—Adm. 10 and 25c

Halloween Midnight Show  
Sat. Oct. 29th—11 P. M.  
Spooks! Chills! Thrills!  
"THE 13th CHAIR"  
with—Lewis Stone, Madge Evans Plus—"Magicians Daughter" "Ship That Died" "Aladdin's Lantern"  
Show at 11:00 — Adm. 10 & 25c

(Sun. and Mon. Oct. 30 & 31)  
The Dionne Quintuplets in  
"FIVE OF A KIND"  
with Jean Hersholt, Claire Trevor, Cesar Romero, Slim Summerville. Plus—"The Whalers" and Latest News Events.  
Matinee Sunday 1:30 & 3:30 — Adm. 10 & 36c  
Nights 7 & 9 — Adm. 10 & 36c

(Tues. Nov. 1—Matinee & Night)  
"BULLDOG DRUMMOND IN AFRICA"  
with John Howard, Heather Angel. Plus—"Ears of Experience" & "Maid in China"  
Matinee 3 P. M.—1st Nite show 6:30 — Adm. 10 & 25c

(Wed. & Thurs., Nov. 2 & 3)  
George Brent & Gloria Dickson in "RACKET BUSTERS"  
Plus—Latest News Flashes  
Shows 7 & 9 — Adm. 10 & 36c



October 26, 1938

Theta Kappa Phi  
Pi Kappa Alpha  
Kappa Alpha  
Triangle  
Theta Tau  
Independents  
Junior Club  
Lambda Chi Alpha  
Sigma-Sigma Pi  
St. Pats Board  
Kappa Alpha  
Alpha Lambda Tau  
S. A. M. E.  
Triangle  
Pi Kappa Alpha  
Sigma Nu

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**By B. C. Compton**

Missouri Intercollegiate Athletic Association football fans have hardly finished gasping at Cape Girardeau's first loss in 17 starts last week, but a further breath-taking contest is just ahead as Maryville and Kirksville meet Friday at Kirksville in a game that will decide the leadership in the league.

Kirksville, playing on its home field, upset the highly-favored Cape eleven, 7 to 3, while Maryville was trimming Springfield, 7 to 0, to enable the winning teams to go into a tie for the lead, each with two victories and no defeats. In previous games Kirksville had defeated Springfield, and Maryville trimmed Missouri Mines.

In the other contest — Warrensburg was idle—the Missouri Miners were defeated by the strong Arkansas Teachers from Conway, 27 to 0, the Teachers scoring in all the periods but the second. Probably the outstanding achievement of the season was the Kirksville victory. Cape started its march in the middle of the 1936 season when it won four straight games. Last season the Indians won nine games and ended their year with victories over the second-place Warrensburg team and the third-place Missouri Miners.

Then this season they defeated Carbondale, Hendrix and Warrensburg before they met defeat at the hands of Coach Earl Svendsen's crew. The Bulldogs capitalized on a first quarter touchdown drive and were able to keep the Indians away from the goal line through the remaining three periods. **Bulldogs Score Early**

Eight minutes after the kickoff, Kirksville completed a 65-yard scoring drive with Gregory, fullback, cracking the Indian line for the final four yards. Capt. Roark and Gregory were the big guns in the drive. Cape's three points came near the end of the third quarter when Turner, a tackle with an educated toe, booted a field goal from the 22-yard marker. At no time was Cape able to pass the Bulldog 20-yard stripe.

Cape spent most of the game trying out their aerial attack, which functioned at the wrong times. The Maryville-Springfield game was a moral victory for the Bears who have been on the bottom of the M. I. A. A. for two seasons now. Coach Harold Blair, new to the league this year, has an improved team, as other teams are finding out. The Miners were beaten by Maryville, 21 to 0, so the outcome of the Springfield game rates the Bears better than the Miners, who finished third last season.

The Bearcats scored in the first three minutes of play and after that were unable to get near the Bear goal line. Bill Bernau, the Maryville star quarterback, scored in a trick reverse and Stanley Pelc, fullback, booted the extra point.

At Rolla, the Miners played an excellent game against the Arkansas eleven, but were unable to stop Egbert Heath's passes to C. L. Turner, Bear end. Four times Heath took to the air and three efforts resulted in Arkansas scores. The other time Turner was pulled down on the one-yard stripe and Bates went over for the touchdown on the next play.

**All Conference Games**

All the conference teams will be seen in action this week, for in addition to the Maryville game at Kirksville, Cape Girardeau tangles with Missouri Mines at Rolla, and Warrensburg plays at Springfield.

## Arkansas Teachers Trim Miners in Homecoming Contest, 27 to 0

**Miners Outgain Visitors on Ground but Teachers 'Go To Town' Through the Air; Miners Threaten Several Times During Game**

**By Jack Emery**

The Arkansas State Teacher "Bears" took another scalp to add to their long toll from the Missouri Miners last Saturday afternoon to the tune of 27-0. The Bears' big end, Turner, accounted for two of their four scores through the receiving end of long passes and kicked four points after touchdowns.

Through the line Arkansas could not make much headway but when they took to the airways, they rolled down the field by long leaps and found little opposition. On the other hand Rolla found many holes in the Teachers line and outgained them on the ground but failed to come closer than the ten yard line although they threatened several times.

Arkansas' other scores came from Baldridge and Estes. Heath's pass to Baldridge late in the third quarter was good for thirty yards in the air while he galloped the other 20 yards for a score. Estes made the other score on a sneak from the one yard.

The Heath-Turner pass combination with Heath's deadly eye and Turners' catching ability often set the Bears down into scoring territory.

Early in the first quarter, "Shorty" Baumstark got off on a long end run that put them down in Arkansas territory, but on the next play, Patrick, Arkansas back intercepted a pass and stopped the scoring rush. On the next play Heath uncorked a long pass to Turner that was good for 68 yards and a touchdown. Turner easily kicked the extra point.

No scoring occurred in the second quarter with the Miners having the upper hand but Arkansas opened up in the air in the third quarter and easily scored. Harris tossed a beautiful pass to Turner who was stopped on the one yard line. The Bears scored on the next play on a fluke sneak of some kind in which Estes, an end, ended up with the ball in his arms lying just beyond the double line. Turner then kicked the extra point.

Later in that quarter Heath rifled another long pass to Baldridge who ran 53 yards for the third score. Turner with his usual accuracy converted the extra point.

With just two seconds to go in the final quarter, the Bears through a series of long passes found themselves again on the one yard line. The team lined and surged over the goal line for their fourth touchdown, as the gun went off. Turner again made the extra point, which made the score 27-0 in favor of the big Arkansas eleven.

"Shorty" Baumstark, Harley Ladd, Otis Taylor, Dick Cunningham and Jim Kiesler did most of the ball carrying for the Miners while Cook unyielding for several good passes, some of which were intercepted. Koziatek got off a few kicks that were much to Miner advantage and stayed off to Miner advantage several times. Bob Klug was doing a real job in the final quarter, figuring in a good percentage of the tackles. Joe Spafford showed that he developed into a fine defensive player this year.

ARKANSAS TEACHERS	
Pos.	Estes
L. E.	Campbell
L. T.	Higgins
L. G.	Higgins
C.	Vick
R. G.	Woodford (C)
R. T.	Russell
R. E.	Turner
Q. B.	Hornicker
L. H.	Heath
R. H.	Patrick
F. B.	Black

Officials—Joe Ramp, Springfield, referee; Bert Fenenga, South Dakota, umpire; Clay Van Reen, Bradley, linesman.

Call 163  
For Poultry, Eggs  
and Groceries  
**The Farmers' EXCHANGE**

## Miners Will Oppose Cape Here Saturday

Cape Girardeau will provide the Miners their next football opposition when Coach Abe Stuber brings his Indians to the local field on Saturday afternoon for a M. I. A. A. game. It is the first loop contest scheduled for the local field and will be the second conference battle for the Miners this season.

The Indians will be attempting to get back into a winning stride after being beaten by the Kirksville eleven last weekend, 7 to 3, for their first loss in 16 games. The Indian winning streak started in 1936 when they won their last four games of the season. In 1937 they won nine straight games as well as the M. I. A. A. championship. This season they have tasted victory in three games before they were upset by Kirksville.

A good aerial attack features the Indians' offense, and although Coach Stuber has dubbed his men the "NRA" (No running attack) team, they do have a first class running offense. Carl Mayer, their star quarterback, will not see action in the game, but Stuber has a large squad of men, and his charges should give the Miners plenty of trouble.

Coach Gale Bullman will be without the services of Jack Flanary, husky tackle, who was injured in the Maryville game, and Preston Athelmin, center, who was also on the injured list due to the Maryville contest.

Although Bullman has not nominated a starting lineup, it is thought here that Art Schumacher will be at quarterback, Harley Ladd and Dick Cunningham at the halves, and Walter Baumstark at fullback.

Curtis and Rogers are slated to start at the guards, Steffens or Klug at the tackles, and Wilson and either Nevins or Wadleigh at the wings.

## YOU KNOW THEM TOO

**By Jimmy Carr**

At many institutions the football player's place in the educational system is almost nil. His sole requirement in the classroom is to sit in the back of the room and to stay out of the way. Peculiar to Missouri, however, is the theory held here that football players too should have an education. At Rolla the gridiron star must attend classes along with the rest of the students and he must do his practicing after four o'clock. He receives little fame for his gridiron efforts.

All of which proves nothing except to illustrate our point that Triangle's "Whitey" Curtis deserves a little recognition. "Whitey" whose real name is Irvan, is performing his fourth year at guard for the Miners and as usual is doing a very creditable job of it. Although the Miners have no regular captain, Curtis generally starts the game acting as such, which should give insight to Coach Bullman's opinion of his judgement.

Entering Rolla in 1935 after spending a year at Illinois University, where he captained the Freshman Football team, "Whitey" quickly made a name for himself here. Today, after spending three years at Rolla and starting his fourth, he is vice-president of the Triangle Fraternity, secretary of the Interfraternity Council, vice-president of the local Missouri Mining and Metallurgy Association, and vice-president of the Senior Class.

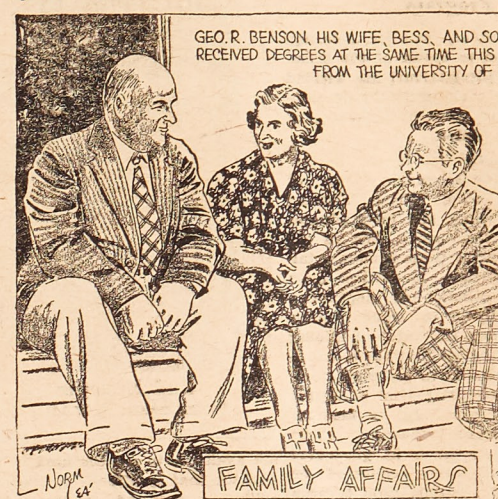
Curtis is twenty-four years old. His home is Oblong, Ill., where his father has a farm.

More than 20 different kinds of Georgia wood have been used in the new University of Georgia forestry building.

**BOTTLED BEER** For every taste  
**BILLIARDS**  
**SNOOKER**  
**BEST TABLES IN TOWN**  
**SMITH'S BILLIARD ROOM**

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in  
**LIQUOR - WINE - BEER**  
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## Eyes Over the American Campus



## Color Photographs by Dr. Cooke Attract Very Favorable Attention

**Pictures Made Entirely by Dr. Cooke from First Exposure to Final Print Called Equal of Any Professional Job, by Eastman Representative**

The subject which receives the most "ohs" and "ahs" on the campus at present is probably the color photographs being made by Dr. S. R. B. Cooke. These beautiful prints, which were described by an Eastman representative as the equal of any professional job, are made entirely by Dr. Cooke, from first exposure to final printing.

Dr. Cooke received his start in color photography through the radiated enthusiasm of Capt. Hodge, who was an ardent "photomaniac", and who is now making a trip into the interior of Panama, and, as a sideline, taking reptile pictures for Dr. Dittmars, of New York. Capt. Hodge uses the Dufay process, whereas Dr. Cooke uses both this and the three-shot color process. The latter, while not widely known, has the advantage of being less expensive than the Dufay method, and also gives a colored print with a truer representation of the colors.

The first step in the three-shot color process is the exposure of ordinary panchromatic film. Three negatives are made using color filters of red, blue and green, respectively. These negatives are projected experimentally on ordinary bromid paper to determine the correct density relationships of the negatives, and then are projected on wash-off-relief film.

Wash-off-relief film is composed of gelatin, containing silver salts, on a cellulose nitrate sheet. The silver salts, when exposed, are reduced, and, when the film is developed and washed, the image appears. The reduced silver is then removed with acid bichromate, and the film is redeveloped in hot water to remove unhardened gelatin, and then fixed with a non-hardening fixer.

At this stage there is a film or matrix for each color filter of the original exposure each of these matrices is dyed with a complementary color of the filter used in the original exposure. The picture is then printed from the three dyed matrices, on glossy paper. (Dr. Cooke uses exposed bromide paper, with silver salts removed and a mordant applied.)

**MODERN BARBERS**

Trade in your old hair cut on a new fall & winter model. Huge stock to select from. We are continuing our sale on soft water shampoos and scalp treatment for unlimited time.

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**-- MINERS --**

We Have What You Want in

Drugs, Stationery, Sporting Goods, School Supplies & School Jewelry

**FOLLOWILL DRUGS**  
Phone 159 9th & Pine

**Pi Kappa Alpha**

The Pi Kappa Alpha pledge dance will be given Saturday night, Oct., 29, from 9:00 until 1:00. Music will be by the Varsity Orchestra.

Pi Kappa Alpha alumni back for homecoming were Bob Weigel '34, Mexico, Mo.; Ben K. Miller ex '33, also of Mexico; C. E. Wilhite, '31; and H. F. Kirkpatrick, '30 of Carrolton, Mo.; and P. A. Terry, ex '25. Wilhite and Kirkpatrick were accompanied by their wives.

**Kappa Sigma**

Saturday, October 22, the Kappa Sigma fraternity entertained with a "beer bust." A cold supper was served before the dance. Miss Betty Lash and Miss Helen Hoerr of St. Louis were out-of-town guests. The with us were William Kopp, Louis Kardosi and Kert Telley.

This three-shot solar process, which Dr. Cooke has used so successfully, is one requiring nearly perfect technique, and is little known in amateur circles. There is very little literature available on the subject, and R. Cooke has had to work out many of his own processes, and also to calibrate all of his apparatus, and work out his own methods of exposure, developing and fixing.

There are number of fine points, which he must watch very closely. First, he must have an absolutely rigid tripod, and there must be no movement of the subject while the picture is taken. Therefore, only still-life shots are practical. Temperature and time must be controlled exactly. In printing all three matrices must print to within a hairline of one another, or a line of off-color will result on the print.

The time required for the entire process varies from 10 to 15 hours. When finished, prints would retail for about \$125. Dr. Cooke keeps his costs down by his remarkable ingenuity in making his own color filters and other equipment.

**Yank at Oxford CORDUROY COAT Reliance**

When the channel winds blow, Oxford men don their corduroy coats. They have for years — and now this swanky coat is sweeping America — it's so smart for weekends in the country, football games, golf, hunting, all kinds of knock-about wear. And it's a value you'll want to snap up FAST.

Smart, belted coat of deep lustrous corduroy with sport back, and four large pleated knapsack pockets. It's so fine you'd expect to pay at least twice as much.

Men's and Boys' Sizes

**\$2.95 and \$3.50**

**STANDARD STORE**





## Welcome, Dads

The BEST in service and merchandise is none too good for our boys.

Jno. W. Scott, a Miner's dad with Drugs and Books at 8th and Pine.

## Dr. D. C. Jackling Speaker at AIME Dinner Meeting Held Here Friday

250 Attend Banquet of St. Louis and Tri-State Sections, with M S M Chapter as Host; Many Other Prominent Speakers on Program

"This is the largest meeting that has extended greetings to me and my traveling companion, Mr. Boutwell, in all of my series of visits," were Dr. D. C. Jackling's words when he addressed the meeting of the St. Louis and Tri-State Sections of the American Institute of Mining and Metallurgical Engineers. Dr. Jackling, who is President of the A. I. M. E., was the honor guest of the meeting.

The high point of the meeting was the dinner given at the Sinclair Pennant Tavern on Friday, October 21, at 7:00 P. M., with the Missouri School of Mines Student Branch as hosts. The attendance was close to 250 and the dining room was filled to overflowing.

When everyone had eaten his fill of the bountiful dinner, James W. Aittama, President of the Missouri Mining and Metallurgical Association, introduced Dean Walter Edward McCourt, who acted as Toastmaster. Dean McCourt is a Director of the A. I. M. E.

Dean McCourt told of the founding of the St. Louis Section of the A. I. M. E. and how the Tri-State Section had grown out of it. Then he introduced many of the prominent men who were present. M. A. Wheeler, one of the charter members of the St. Louis Section, was introduced as one of the grandfathers of the organization and H. S. McQueen was introduced as one of the grandchildren. W. F. Netzeband, Secretary of the Tri-State Section spoke a few words as did Mr. Reid of the St. Louis Section.

Dean McCourt next introduced the State Geologists of three states. These were Mr. Pond of Tennessee, Mr. Leighton of Illinois and "Chief" Buehler of Missouri. Dr. R. S. Dean, Chief of the Metallurgical Division of the U. S. Bureau of Mines, was introduced as the representative of the Bureau. Dr. Chedsey, Director of M. S. M., was introduced and he extended to all present the school's invitation to come back again.

Mr. Boutwell, Director of the Institute, spoke at some length in praise of Dr. Jackling. He spoke highly of Dr. Jackling's aid to young men. He told of the contest that is to be conducted by the A. I. M. E. each year. Young men in each section will submit papers on some subject relating to the mineral industries and the winner and runner-up will be given cash awards. The winner of each section will compete in the national contests. Dr. Jackling has offered to furnish the cash awards, amounting to \$500 yearly, for the first five years. Mr. Boutwell told how each section of the Institute claims Jackling as its own. He also gave figures to show the increase in membership of the A. I. M. E. since Jackling has been the President. The present membership is 11,783, which is the highest on record, and the number of young men who are members has increased until their number makes up 38% of the total membership.

Toastmaster McCourt related a few instances of how Dr. Jackling has used the advantage of intelligence to advance the mineral industry. Then Dean McCourt presented the audience to Dr. Jackling.

Dr. Jackling began by saying that he hoped those present would not consider his talk as an address because he didn't know what an address was. He said he preferred to speak as person to person.

The question of what section can claim Dr. Jackling as their own was settled when he said, "As a matter of nativity, I belong to Missouri. As a matter of sentiment, I belong to a community where as a youngster I found the first hearty welcome in my budding career. Actually, ladies and gentlemen, I belong to the institutions and people of Rolla."

"It is a privilege to me and a happy one to renew these acquaintances of which I have spoken and to meet again some members of the Tri-State Section and the St. Louis Section of the Institute now as guests with me of the Missouri

School of Mines," said Dr. Jackling. He went on to speak of the broad influence that Missouri has wielded and still is wielding in the development of the mineral resources of the United States.

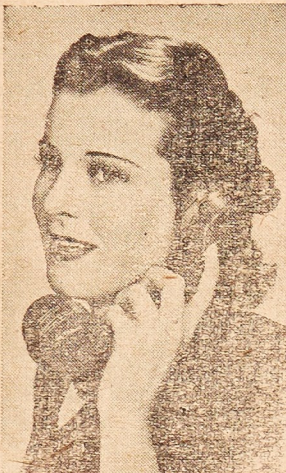
Dr. Jackling was lavish in his praise of the Missouri School of Mines. He said, "The Missouri School of Mines and its graduates have played no small part in the advancement of these fundamentally all-important industries upon which all others are dependent, either wholly or in some degree. The American Institute of Mining and Metallurgical Engineers, which I have the honor to represent here, and the Missouri School of Mines, to which I owe my engineering education, were founded at about the same time. M. S. M. graduates and other engineers educated or residents of Missouri soon became prominent in American Institute affairs, and many of them have been Institute leaders as its President or in other official capacities. In the period of nearly seventy years since the Institute was organized, tremendous advancements have been made in engineering and technology as applied to the production and utilization of minerals of all kinds—metals, non-metals, coal and petroleum. Members of the Institute and graduates of Missouri institutions of learning, including the School of Mines, have contributed in a dominant way in this progress. Graduates of this engineering school are to be found occupying prominent places in the mineral industries in every mining State in the Union, and, as is the case similarly with Institute members, in most every part of the world where useful minerals are produced."

Dr. Jackling expressed his pleasure at the large number of young engineers or young engineers-to-be who are present.

The A. I. M. E. was discussed to some extent by Dr. Jackling. He said that of the 11,700 members, 9,400 are Regular or Associate Members, the remainder or some 2,600 being Student Associates. About 30 percent of the Regular or Associate Members occupy positions as executives, managers, superintendents, or positions as heads of industry. Approximately 35 per cent are engaged directly in production. This means that there are 6500 Institute Members engaged in the active production and conversion to useful form of mineral resources. Many of the most renowned engineers that have ever lived are or were members of the A. I. M. E. Institute members are recognized everywhere as leaders of progress.

The Woman's Auxiliary was praised by Dr. Jackling. He told how the Auxiliary aids those engaged in technical studies, establishes libraries, and promotes community assemblages and entertainments. He laid particular stress on the Auxiliary's Administration Fund which is used to finance deserving engineering students. In regard to this Dr. Jackling said, "This phase of the Auxiliary's work probably appeals to me all the more forcibly because, when I was studying in the School of Mines beginning just a little over fifty years ago, my path wasn't so rosy. I didn't have much other than ambition and courage. I found here in Rolla people willing to help me as a matter of personal, really compassionate, interest; but there was

## Coming to Rollamo



Ruth Hussey in "Rich Man, Poor Girl"

not available to me the kind of assistance that is offered to students willing to work and who are worthy of support such as is offered through the Auxiliary of the Institute today."

In conclusion, Dr. Jackling said, "It has been, I tell you again in all sincerity, a great pleasure for me to meet once more with some of the members of the St. Louis Section, some members of the Tri-State Section and for the first time with the

Student Branch of the Missouri School of Mines, which institution I believe to be fundamentally and actually in respect to the quality of its products and in all other respects one of the finest engineering schools on the face of the earth, and if you people of Rolla and of this State will continue to support it as such, that is to say as a strictly speaking engineering college, it can and should become even better and greater."

The seat of festivities then changed to Jackling Gym where dancing to the music of Ralph Stoeffel's Orchestra was enjoyed by many including Dr. Jackling. The M. S. M. Student Branch of the A. I. M. E. again were the hosts.

## JACKLING SPEAKS

(Continued From Page 1)

neers transit, took one look, and decided upon civil engineering as a means of livelihood. His mind turned to Chemical engineering, however, after he had work for one summer for a railroad and discovered that the civil engineer in charge received a very small compensation.

His whole career has been tied in with M. S. M., he observed. Soon after graduation, he went to the Cripple Creek district in Colorado, where he stayed with a Rolla man.

Later, other MSM graduates, aiding him, so much in fact, that he attributes much of the credit for his success to their sage advice.

Toastmaster for the banquet was J. K. Walsh, State Supervisor of Adult Education. He keyed the talks of other speakers by asserting that Miner Alumni are different than other alumni groups, because they get together each year not to celebrate a gridiron victory, but to aid the school.

It befell Directory Chedsey to make the welcoming speech to the Alumni Association group, after which came the formality of introducing Professors Harris and Forbes as two of the oldest in point of service on the campus. Also introduced was J. W. Scott, ex '02 and Frank Tyrrell '92 as the two oldest alumni present.

An interesting side-light of the banquet was a brief talk given by Senator George Clayton, brother of Prof. C. Y. Clayton, and the only graduate of MSM in the State Legislature. Reported Senator Clayton, the School of Mines, has

now and has had in the past only three men at Jefferson City to protect her interests. He made no bold statement as to how to correct the situation, but issued the connotation, "alumni should acquaint themselves with their representatives and senators."

## JACKLING VIEWS

(Continued from Page 1)

lower grade ores becomes feasible. Thus the mining industry will continue to expand with new advances in metallurgy.

## Jackling's Interests

Cover Wide Range

In reply to a query as to his recent activities, Dr. Jackling explained that for the last quarter of a century his work has been in the line of industrial administration, and his interests, while confined chiefly to mining and metallurgical field, including fuels and other non-metals, the efficient handling of these has occasioned many ramifications and extensions, in the direction of transportation facilities, power, etc.

## Has Kept Up With Technology

Dr. Jackling has, however followed all advances in mining and metallurgy with close interest, and that he might better understand and make suggestions for improvement.

At the close of the interview Dr. Jackling was presented a number of complimentary copies of last week's issue of the Miner, which was dedicated to him. In return he presented the editor with two new pictures of himself. (Those in last week's issue were 24 and 8 years old, respectively.)

As the editor left the private car with Dr. Jackling and Director Chedsey, Jackling stated that the School of Mines interests were foremost in his mind and that anything he could do for the school he would do.

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