



09 Nov 1938

The Missouri Miner, November 09, 1938

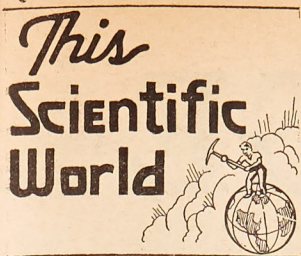
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By Clyde Cowan

Suppressed Patents

Is it fair to the public and modern civilization to hold or suppress production of patented inventions by people whose business would be affected by these inventions? We believe not. Cases are frequent of companies suppressing patents or pigeon-holing them in order to insure their own products against competition.

The world as it is today was developed by ingenious inventions which, given to the public in the form of industrial products, have enriched its life, broadened its outlook, and have increased the scope of business opportunities many times.

Now that certain men have become wealthy and influential through these very inventions, why should they be allowed to stop this advance or control and modify it so that they are not injured.

Certainly with the great changes that have come over the mode of living in the past few decades there has come by necessity great upheavals and rearrangements in our economic set-up. This change is being felt strongly in our life today. As a matter of course some individuals will and are being harmed in this process. As old ideas and methods are traded for new, quite a few persons find themselves out-casts, left to make a living as best they may.

However, this change, this rearrangement, we believe, is to the great benefit of the majority of the people. Why, then, stop the millions advancing in order to keep a few from falling off the backboards.

Certainly the control of the reins of this advancement, which lies in the control of production of patented inventions, should be taken out of the hands of the select few and placed into the hands of the representatives of the public. The right to buy a patent and then pigeonhole it forever must be modified and corrected.

Hope that this situation will be remedied is raised by the recent hearings by a Senate committee on violations of the McFarlane Bill for the Compulsory Licensing of Patents. We can only watch the outcome of the investigations for enlightenment as to whether or not justice will be done by the public.

Found: One Bridge.
For the next six months the New York City police are the custodians of a 60-ft. ferry bridge of unknown ownership. The bridge, 60-ft. long, 40-ft. wide, and 12-ft. high, was found floating in the Hudson River Oct. 25, apparently having been in the water for some weeks. It is a single span structure such as is used for ferry slips along the river.

If not claimed by the owner after six months, the bridge will be sold at auction.

Meeting Held Here by Alpha Chi Sigma

Dr. Wiedeman and Dr. E. A. Curtis, Dean of the College of Engineering of the University of Missouri, at Columbia, were among the speakers and guests at a joint meeting of the chapters of the Mid-West District of the Alpha Chi Sigma Fraternity held at the Edwin Long Hotel Sunday, October 30. The meeting was called by Dr. Schrenk of the Missouri School of Mines, District Counselor of the fraternity, for the purpose of making the members of the chapters in the Mid-West District better acquainted.

The program included a trip to Meramec Springs, a visit to the School of Mines campus, a dinner at the Edwin Long, and both formal and informal discussions of fraternity business.

This was the first meeting of this kind to be held in this district. Those who attended proclaimed it a great success and immediately began planning more meetings along the same line. The next one will be held in Columbia, Mo., Delta Chapter playing host.

Those present included members of Alpha Epsilon, Washington University, St. Louis, Mo.; Delta, Columbia, Mo.; St. Louis Professional Chapter; Beta Delta, School of Mines; Eta, University of Colorado; and Nu, Pennsylvania State. Including lady guests, the convention totaled fifty four attending.

SHIPWRECK DANCE

The Rolla Junior Club Charity Ball will be held Saturday, Nov. 19, at the Sinclair Pennant. Tickets are \$1.00 Stag or Drag.

A plaque representing the ghost of Hamlet's father has been placed in the hallway of the University of Vermont museum.

A co-educational community college has been opened in Utica, N. Y.

THE MISSOURI MINER

MISSOURI SCHOOL OF MINES & METALLURGY

Z 385

VOLUME XXV

ROLLA, MISSOURI, WEDNESDAY, NOVEMBER 9, 1933

NUMBER 9

MINERS BEAT BULLDOGS BY 6 TO 2 SCORE

Cunningham's Intentional Safety Give Kirksville 2 Points

By Jack Emery

Taking to the air, the Rolla Miners beat the Kirksville Bulldogs by a score of 6-2 last Friday afternoon. Kirksville's heavy team could make no headway against the airtight Miner defense, even though the game was played in a cold driving rain storm, that made the field ankle deep in mud.

A pass from Otis Taylor to Jack Harley Ladd was good for a touchdown on the first Miner play. The only other scoring came late in the fourth quarter when Kirksville threatened seriously for the first time of the game and Cunningham ran over the line for a safety to strengthen the Miners position.

There were few spectators to start with as the rain was cold, the wind was high and only 10 spectators were in the stands and about 100 more were hardy enough to stand in the mud on the sidelines and follow the plays up and down the field.

Shortly after the game started Jim Wilson recovered a fumble on the Kirksville 30 yard line to set the Miners in motion. On the next play Otis Taylor tossed a neat pass to Harley Ladd, who ran over the line for a score. Ladd's kick for a point was a bit low and left the score 6-0.

The rest of the half was a punting duel with neither team able to gain through the line. Each team would punt on second or third down and pray for a fumble by the other team of which there were numerous ones.

The Miners threatened again in the second quarter when Cunningham got off a 65 yard punt that rolled out on Kirksville 10 yard line. Kirksville kicked out to the 45 but Koz returned it to the 20.

Kirksville then intercepted a pass on the 8 yard line then on the next play Joe Spafford recovered a fumble on the 10 yard line. Three plays netted them 7 yards but the ball went to Kirksville on downs.

All but a minute of the second half was played in Kirksville territory with the Miners trying to run another score over but the mud was too slippery for the lighter Miner team and the ball remained in Kirksville territory.

Late in the last quarter, aided by a few opportune penalties, Kirksville marched all the way down to the one yard line for their earned first downs of the game. With just 27 seconds to play Joe Spafford, who had been playing beautiful ball all day, fell on a Kirksville fumble. Cunningham then went in and ran the ball back over his own goal line to gain twenty yards and a kick off. Kirksville had time for two plays but could not push the ball over and the game ended with the Miners in the place that Kirksville was in the day before in conference standing.

On a field so slippery with mud that the tacklers would slide 15 yards before stopping, Rolla did a beautiful job in holding Kirksville scoreless. It was due to the fine defensive work of Joe Spafford, who was spotting plays beautifully all day, just as if he was in the huddle also Bob Klug, who has been doing some fine defensive work in the last three games. Jim Wilson and Spafford were of course giving their best and making a fine showing, as usual. For the first time all year four men played the whole 60 minutes and another almost a full game. Wilson, Spafford, Rogers and Schumacher were good for the 60 minutes and Whitey Curtis played all but 3 minutes of the game. With no injuries on the team the boys should be in full strength to play Springfield next Friday.

Coach Bullman Is Blue Key Speaker
Coach Bullman gave a short talk at the Blue Key luncheon last Wednesday at 12 o'clock noon.

At this meeting the subject of the Student Directory was taken up, but nothing definite, was decided upon because of its lack of publicity.

The meeting, with Herb Johnson presiding closed at 12:50, allowing the students to attend their afternoon classes.

St. Pats Board Meets.

A regular meeting of the St. Pat's Board was held in the Club Room, Wednesday evening, November 2. Among the current business discussed was the possibility of the establishment of a "dating bureau" between the School of Mines and neighboring girls' schools.

Parade to be Held on Armistice Day

On May 13, the year, the President of the United States signed a bill, then known as H. R. 6656 (introduced by E. W. Gearhart, representative from California), now listed as Public Law No. 510. This law officially designates November 11 of each year as a National Legal Holiday. This year will mark the 20th anniversary of that great day back in 1918 when by the signing of a document the greatest war the world has ever known was brought to a close.

In commemoration of the day, there will be a parade through the town by veterans (Spanish-American War, Foreign Wars, and American Legion) and our own band and R. O. T. C. unit.

Immediately following the parade, there will be competitive drill in "School of the Soldier" by students in the R. O. T. C. A prize will be awarded to the outstanding cadet. The veterans ask for the hearty co-operation of the students from the campus.

D. F. Walsh,

Faculty Member in Charge

Armistice Day is not listed as a State Holiday; Schools will not be closed. The Director of our school has ordered the dismissal of classes from 10 to 12 in order to allow for participation in the parade by our R. O. T. C. and Band.

Alpha Phi Omega to be Official Chapter

Final arrangements were made at the meeting on Nov. 3 by the local members of Alpha Phi Omega to become an official chapter of the national fraternity. The necessary steps are being taken to obtain recognition as a campus organization. During the meeting the president, Leroy Allen, stated that he was sure that all arrangements would be made in time for the chapter to be installed before Christmas Holidays.

Although the major portion of the meeting was given over to the discussion of this official organization, a little time was given over to making suggestions for campus and community projects.

Lectures Series to be Limited to MSM

On account of the large student body at the School of Mines and Metallurgy this year the limited space in the auditorium, the Committee on General Lectures has voted that season tickets to the General Lectures for other than students be discontinued this year. The reason for this is apparent with a student body of nearly 800 and a seating capacity of only 500 in the auditorium.

The Committee, however, voted that faculty and townspeople might be admitted to the entertainment on a payment of a gate fee beginning 15 minutes before the curtains rise of any of the entertainments offered during the year.

The above action was taken in order to assure the students who financed the program first chance of the seating capacity of the hall. It is hoped by next year arrangements can be made whereby the sale of season tickets can be resumed.

Movies Featured at A I E E Meeting

A moving picture, "Why do we do what we do," depicting and explaining in detail all the facts concerning the insulation of random wound motors, was the feature of the A I E E meeting held last Wednesday, November 2, in Norwood Hall.

Besides the feature picture three other shorter reels pertaining to electrical appliances and applications were shown. These were "Excursions in Science," "Trackless Trolleys," and "The Burlington Zephyr."

Before the moving pictures were shown, Chairman Bill Ellis called upon Parnell Moore to give a short talk on the Memphis Power and Light Company's power plant and station.

Alpha Psi Omega to Stage Annual Play

The Alpha Psi Omega fraternity, with "Doc" Maize as director, is making arrangements to produce its annual play. A reputedly hilarious comedy called "It's A Climate" will be shown by them some time early in January.

The play is based on Hollywood and the motion picture industry. The plot consists of an attempted swindle, a couple of romances, and a lot of gay deception. Among the characters are Willie Barton, a handsome young flatterer, Helen Brent, the flighty young wife of Robert Brent, who is a prominent movie director, Ezra Stiscomb, a wealthy farmer from Iowa, and his beautiful daughter, Agatha. There are others.

Tryout dates will be posted and those who would be interested are urged to try for parts that remain unfilled. If the coeds do not produce the needed stock of actresses "Doc" Maize intends to procure them from the younger female element of Rolla.

It is said that the Miners may look forward to seeing a gigantic production when this play is shown. An activity ticket will admit one.

Cornerstone of New Building to be Laid

The corner stone of Harris Hall, the new hydraulics laboratory, is to be laid on the afternoon of November 14, at the time of the visit of Dr. Henry E. Riggs, president of the American Society of Civil Engineers, according to Dr. Wm. R. Chedsey.

Dr. Chedsey has appointed a committee on arrangements, with Prof. J. B. Butler, as chairman. Prominent speakers are to be invited for the occasion. The building has been named in honor of Prof. E. G. Harris, for many years head of the civil engineering department at M. S. M. and an honorary life member of the American Society of Civil Engineers.

M. S. M. Men Invited to Meeting of A S C E

Continuing its practice of several past years, the St. Louis Section of the A. S. C. E. has invited, among others, as guests to its Annual Meeting, the professors of civil engineering and the senior members of the Student Chapter of the A. S. C. E. at the School of Mines.

In addition to the speaker of the evening, Dr. William E. Wicklinden, President, Case School of Applied Science, there will be in attendance, President H. S. Riggs of the American Society of Civil Engineers.

The meeting is to be held at the Coronado Hotel, at 6:30 p. m., on the evening of November 19.

Drawing Classes to Publish Newspaper

The first issue of "Slips of the Pen," by Mann's men, will soon be off the press. Students of Dr. Mann's drawing classes will edit this newspaper. Each man in the class will print his own contribution on a large sheet of tracing cloth and copies will be made by blue-printing.

The purposes of this newspaper are to aid the students in learning engineering; to teach them the principles of blue-printing; to promote friendship and cooperation among the students; to furnish the students with news from classes and campus, and to "bull" about affairs in general.

Photography Club to Hold Exhibition

The Photography Club at its regular monthly business meeting last Friday decided to hold an exhibition the week following the Thanksgiving Day week-end. Plans are being made for a permanent exhibition case, where members may place or view their best work.

The first lecture of a series of ten will be given November 18.

Instruction in developing and printing of photographs will be given at the dark room, Wednesday, November 9, by Dr. S. R. B. Cooke.

Alumni News

George A. Easley, Vice-President of International Mining Corporation of New York flew to Columbia, Bolivia and Peru during September. While in Lima, Peru he visited with Hector Boza'll, who is a Mining Engineer and a member of the Peruvian Cabinet.

AN EDITORIAL

He Who Has Power Sometimes Misuses It

About two weeks ago, we discovered by a chance inquiry a very curious situation in one of our campus organizations.

The Athletic Association collects \$10.00 from each student every year. It is purely a student organization, not connected with the school proper except as are other student organizations, such as the Student Council, Miner Board, and Rollamo Board. This \$10.00 fee is included in the fees just as are the subscription of \$1.50 to the "Miner" \$3.50 to the "Rollamo" respectively.

We inquired why the Athletic Association does not publish a financial statement in the "Miner" each year as do the other student organizations. We were told by the school authorities that the Athletic Association is required by school rules and regulations to do so. We looked in Miner files and found the last statement was published in 1934, and a very few from there on back. So we began to investigate more fully the Association itself.

Now it is true that the Athletic Association funds are handled by the School of Mines Business Manager, and the accounts are audited by the State Auditors along with the school accounts. However, this simply assures that all he money received can be accounted for by disbursements and cash on hand. It does not assure that the expenditures will meet the approval of the students, whose money it is and who should at least know how their money is spent.

We do not think the money has been mis-spent. However, it certainly leaves the matter open to grave questioning, especially in the light of the more serious situation which this investigation accidentally uncovered.

The situation, briefly, is this:

The Faculty Committee on Athletics has throttled the student personnel of the Athletic Association down to the point where, unless immediate, strong, and concentrated action is taken by the student body, the Athletic Association as a student organization will go out of existence.

This statement again requires proof. What we were told by a member of the faculty committee was that the students, unfortunately, were not coming out for the Athletic Association and it was dying "a natural death."

What we find by talking to students with no particular axe to grind was that last year eight or ten freshmen tried out and most of them lasted through the year. This summer the Faculty Committee decided to complete its control of the Association by cutting off all but juniors and seniors. These are to be allowed to complete their service and earn their sweatshirts, but they have no voice whatsoever in the Association's affairs. They are simply told what to do and what not to do by the head of the faculty committee.

In past years when the number of students and officers was no more than now, the students were still able to handle the affairs of the Association.

However, even in those times the Faculty Committee was assuming an unconstitutional authority. The constitution of the Athletic Association on file in the Registrar's Office specifies that the control of the Athletic Association shall be vested in a Board of Control of four members plus the Business Manager of the school as secretary. The four members of the duly constituted Board of Control are the president and the student manager of the Association, the Chairman of the Faculty Committee on Athletics, and the Athletic Director (Coach).

But the Faculty Committee on Athletics has not only usurped the functions of this Board of Control; it has assumed control of the finances of the Athletic Association. Whereas the Student Manager is supposed to make trips with the teams and handle their expenses, the faculty committee members now make these trips, paying their expenses from the Athletic Association funds. This is in spite of the fact that there are still one senior and two juniors in the Association who could handle the job.

The receipts of the Athletic Association from the fees alone, not counting gate receipts at games, are in excess of \$7,500. This is the largest income for the Association in the history of the school, and we wonder how the head of the faculty committee is spending it for us.

Two little ordinary bits of discourtesy to a student and to student organization, as well as the matter of dictatorially abolishing the Athletic Association as a student organization, make it very doubtful, to our mind, that it is to the best interests of the student body that the present members of the committee continue as such.

When the team went to Maryville, our reporter asked if he might ride in the bus with the players, as it would entail no extra expense to the Association and would materially reduce the cost to the "Missouri Miner" of covering the game. The "Miner" paid all of the other expenses of the reporter. The arrangement has been customary for years.

Yet last week the "Miner" received a letter from Professor Clayton, the head of this faculty committee, instructing the Business Manager of the "Miner" to turn over \$8.00 as transportation charges to the treasurer of the Athletic Association funds. This plus the other expenses of the trip raises the cost of that one sports story to the "Miner" to \$15.00. The "Miner" cannot afford to cover out-of-town games at this rate. Too bad, Miners.

The other little case of discourtesy was the fact that the president (a student) of the Athletic Association was forced to pay eighty cents in order to take a date to the game here. He could not get a "comp."

All of these things (and we have reason to suspect that they are but a few of a number of similar incidents) make us wonder just how friendly this committee is to the interests of the students, and therefore what business they have to run a student organization, the Athletic Association, to suit themselves.

We hereby make a formal request that the Student Council investigate the situation as outlined in all the above, and, if they find it substantially correct, make a petition to the Faculty of the School of Mines somewhat as follows:

"We do hereby petition the faculty of the Missouri School of Mines; asking, if they see fit, that the following things be done.

1. That the student personnel of the Athletic Association be reinstated in charge of said organization, and by call

(Continued in Regular EDITORIAL Column, Page 2)

PRESIDENT OF A S C E TO BE HERE, NOV. 14

Dr. Henry E. Riggs to be Guest of Student Chapter of Society

Dr. Henry E. Riggs, president of the American Society of Civil Engineers, will be the honored guest of the M. S. M. student chapter of the A. S. C. E. on the afternoon of Monday, November 14. Dr. Riggs, together with Professor E. L. Erikson, head of Engineering Mechanics Department at the University of Michigan, has been making inspection visits to student chapters and local sections en route to fulfilling definite engagements with the Tennessee Valley Section, Kansas City Section, Kansas Section, and the annual meeting of the St. Louis Section.

Dr. Henry Earle Riggs became president of the American Society of Civil Engineers in January, 1933. Previously he had been vice president, during 1932-33, and Director from 1932 to 1934.

Since 1908 President Riggs' personal work has been largely in the valuation of large properties and in the preparation of cases dealing with theories of valuation, depreciation, and rates.

Among the many positions which Dr. Riggs has held during his long career have been those of: consultant on public utility rate cases; consulting engineer for the cities of Detroit, Battle Creek, and Pontiac, Mich., on railroad grade-separation projects. In addition, Dr. Riggs was a member of the firm of Riggs and Sherman, consulting engineers, of Toledo, Ohio, from 1896 to 1912, engaged in the design and construction of steam and electric railways, harbor improvements, water works and sewage works. He was appointed by the United States Circuit Court to make valuations and reports on the Kansas City Street Railways.

Besides his activity in public engineering fields, Dr. Riggs was active as Professor of Civil Engineering, and head of the Department of Civil Engineering at the University of Michigan from 1912 to 1930. At this time he has retired from active administrative work at the University, but holds the title of Honorary Professor of Civil Engineering.

Dr. Riggs is a former president of the Michigan Engineering Society, and a member of the Engineering Institute of Canada, the American Railway Engineering Association.

(See A. S. C. E. President Page 4)

Alumnae of M. S. M. Form Organization

An event of greatest interest to the more than 300 girls who have been students at Missouri School of Mines took place on Wednesday, October 19, when representatives of the some 60 or more alumnae living in the vicinity of Rolla met at the home of Mrs. George R. Dean, 14th and State Sts., and effected a temporary organization for the associated alumnae of the Missouri School of Mines. A constitution was provisionally adopted, and temporary officers elected, as follows:

Mrs. George R. Dean, (nee Luella Scott), president.

Mrs. B. H. Rucker, (nee Margaret Southgate), secretary.

Miss Eulalia Powell, Corresponding Secretary.

Mrs. W. L. Doll (Ellen Woodman), Treasurer.

The plan of the association is to elect a vice president for each important local area, who will be responsible for activities of the association in that area. Those so far elected are:

Miss Helen Houston, Newburg, Mo.

Mrs. Frank Tyrell (nee Lola Morris), Idaho, Mo.

Mrs. Ida (nee Colley) Rollins, Dixon, Mo.

The work of this new association will be to gain contact with as many of the alumnae as can be located, and to learn something of what they have done and are doing. Many of these former students are mothers of boys who have returned to Rolla to become MINERS. An interesting item in connection with the association is the fact that Mrs. Dean, wife of late Professor Dean, has been made temporary president. In this way she is associated with the beginnings of this new organization as was Professor Dean with those of the Alumni Association.

for volunteers be raised to full working capacity.

2. That the Board of Control called for in the Constitution of the Athletic Association take the place of the Faculty Committee on Athletics as the supervising body.

3. That a new Faculty Committee for Athletics be appointed which shall be more sympathetic to the students and student organization than the present one.

Signed

etc.

by the Student Council for the student body of the Missouri School of Mines.

Editor's Note: If anyone wishes to make public comments on the above, we shall be glad to print them in the "Miner", provided that in evidence of this good faith the writer shall sign such communications. We will not print such signatures if so requested.

Congratulations to Miner Football Team

We want to thank Coach Bullman, his assistants and the football team for the fine performances they are turning in this year, both in defeat and in victory. The spirit it has aroused among the Miners is heartening to see.

It looks as though we might reach second place in the M. I. A. A. It would certainly show evidence of an uphill battle, fought wisely and courageously. However, win or lose, we want to see the same spirit continue in both the team and the student body. We owe much to the team, and our loyal, vociferous support is the evidence they see of our appreciation. Keep up the good work, Miners.

WHAT?	WHEN?	WHERE?
Student Council	Wednesday, November 9 7:00 P. M.	Club Room
S. A. M. E.	Thursday, November 10 7:30 P. M.	Geol. Lect. Room
Theta Tau Dance	Friday, November 11	
Football Game	(Miners vs Springfield Tea.)	Springfield
Independents Dance	Saturday, November 12	
A. S. C. E.	Monday, November 14 7:30 P. M.	Geo. Lect. Room
Miner Board (News)	Tuesday, November 15 7:00 P. M.	Power Plant
De Molay Meeting	7:30 P. M.	Masonic Temple
Band	7:30 P. M.	Gym
St. Pat's Board	Wednesday, November 16 7:30 P. M.	Club Room
Alpha Chi Sigma	7:15 P. M.	Chem.

Jackling Responsible for Over 9 Billion Pounds of Copper

As the directing head of various copper companies, Col. Daniel C. Jackling has been responsible during the past 33 years for the production of 9,500,000,000 pounds of copper. This has involved the mining of 1,000,000,000 tons of material, of which 460,000,000 tons was ore. These facts were brought out at a recent meeting of the Nevada and Utah section of the American Institute of Mining Engineers of which Colonel Jackling is president.

A native of Missouri, where he was born in 1869, Jackling was educated at the State Normal School and the Missouri School of Mines. He taught chemistry and metallurgy at the latter institution from 1891 to 1893, and then entered upon his mining career as a chemist and metallurgist at Cripple Creek, Colo. From 1896 to 1900 he was in charge of the construction and operation of metallurgical works for the Consolidated Mercur Gold Mines at Mercur, Utah. In 1903 he organized the Utah Copper Company, which is renowned for the magnitude of its open-pit operations.

In 1915, William H. Taft, then president of the United States, was traveling across Utah with Jackling and Tasker L. Oddie, Nevada mining engineer who afterward became United States senator from his state. Taft spoke of the Panama Canal construction and mentioned the great cuts it required. Thereupon Jackling produced figures

showing that the excavating operations in his mines exceeded those of the canal.

Colonel Jackling (the title was bestowed upon him by two western governors—James H. Peabody of Colorado and William Spry of Utah) is president and director of the Utah Copper Company, the Nevada Consolidated Copper Company, and the Butte & Superior Mining Company. He is chairman of the operating committee and a director of the Kennecott Copper Corporation and a director of the Branden Copper Company.

(Compressed Air Magazine)

SOCIAL

Sigma Pi

Saturday night the members of the fraternity held a stag party in form of a "Beer-bust". A cold lunch was served as added refreshments.

Walter Russell and Thurman Thomas journeyed to Poplar Bluff, Mo., for the week-end where they attended the Poplar Bluff Homecoming and visited friends. Julius Wild and James Fox spent the week-end at Cuba, Mo., as the guests of Mr. and Mrs. Wild at their club house.

Sunday, November 6, the Sigma Pi Fraternity held a formal initiation for Richard Rhodes, whose home is in Pinkneyville, Ill.

According to one of the customs created by the fraternity, the pledges will give the active members a party on Nov. 12. As usual this party will be stag and for the fraternity members only.

THE MISSOURI MINER

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FEATURE PAGE

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THE MISSOURI MINER

November 9, 1938

'Art Applied to Engineering' Is Discussed by Professor C. H. Black

Importance of Artistic Training with Regular Engineering Training Emphasized; Attitude of Public Toward Art Said to be Growing More Favorable

By PROFESSOR C. H. BLACK

When it was suggested that I write a paper and participate in a discussion on a subject pertaining to Art and Engineering, I consented to the proposition because of the broadness of the subject and because both laymen and the progressive engineer realize the value of the co-ordination of the two fields. It was rather difficult to select a suitable title, so I suggested off hand that we call it "Art Applied to Engineering". This certainly does not restrict it to any exact Art or Science, and should, therefore, lead us into a very broad discussion.

My training and experience have been that of an Architect, city, and regional planner. My hobbies are the Fine Arts. My association with engineers throughout the past thirteen or fourteen years has been interesting and pleasant, so I am extremely interested in helping to elevate the profession of engineering to the highest level.

It will be well to fix in our minds a concise definition of the two fields. ART is defined as:

(1) The principles of artistic construction;

(2) The embodiment of beautiful thoughts in sensuous forms;

(3) The external manifestation of the idea, the revelation of the invisible reality through the senses. John Ruskin's definition of Art is my favorite: "Art deals with things forever incapable of definition that belong to love, beauty, joy, and worship. The shapes, power, and glory of which are ever building in each man's soul and in the soul of the whole world."

"ENGINEERING" is defined as:

"The science and art of making, building, or using engines, and machines, of designing and constructing public works or the like requiring special knowledge of material, machinery, and the laws of mechanics." Note that art is used to define engineering. We, therefore, should be convinced that Engineering should include the artistic and aesthetic as well as the technical and scientific fields.

Engineer a Liberal

I cannot over-emphasize the importance of the artistic training along with the regular engineering training. The engineer of today is not the rough and ready pioneer of yesterday. He is a professional man not only versed in his own profession, but able to hold his own on liberal topics with the doctor, lawyer, architect, or business man. He must also be equipped to take his place as a citizen interested in the welfare of his community, state and nation, and if qualified, hold office as a representative of his community, state or nation. Some of our most outstanding government executives have been engineers.

The Arts embrace many of the essential activities of human life; the building of the home, its furnishings and equipment; the housing of every industry, vocation or calling; the building of cities; the providing of amusements and many of the features of life upon which we depend for our enjoyment and pleasures. Furthermore, the industries and commerce of the country depend to an important degree upon the fine arts. Every manufacturer who produces an article which for its sale and enjoyment by the purchaser depends upon its design, must look to art for a large measure of this success in business.

Our lives are surrounded by art in its manifold expressions. It is thus not only desirable but essential that our schools and colleges provide us with both knowledge and appreciation of the arts.

Art also exercises an important influence in the formation of human character. Each individual is constantly called upon to exercise a choice, based upon attractiveness and fitness, of the things which he is to possess, and of the activities of life which furnish his pleasures and amusements. A knowledge and understanding of some of the basic principles of art will fit him better than any other agency possibly can for establishing the highest stand-

ards of taste.

Art Gaining Popularity

I am convinced that the attitude of the public toward art is undoubtedly growing more favorable. Museums and institutions of art show by their records that they are growing in popularity. Some of the greatest modern inventions are daily reproducing the products of art, and great masses of people are constantly listening to music and seeing pictures of the dramatic art and examples of the plastic arts.

History reveals the fact that those nations in the past which were leaders in commerce and the industries were also leaders in the fine arts, and it is also significant that many of the people of America are descendants of those who excelled in the arts of other lands. All of this seems to indicate that we, in this country, are beginning to realize more than ever before that art is worthy of our careful consideration, and that reasonable knowledge and understanding of it would bring greater returns and more real joy in living, as well as aiding the engineer in his professional advancement.

No matter what a man's station or calling may be, where he goes or what he does, the products and activities of the Fine Arts confront him on every hand. From the cradle to the grave, the works of the Fine Arts are man's everyday companions, and it is in truth essential, if we are to appreciate and profit by God's blessings in nature and the best and finest works of man, that every member of the community should have some definite knowledge and appreciation of the Fine Arts.

Let us as engineers and as teachers of engineering realize the true value of Art Applied to Engineering.

Airplane News

By Ray Vaughn

The old problem of too much weight in the power plant of airplanes has led to the design of a crankless engine which was recently tested by M. I. T.

A saving in weight of about 25 to 30% is thought possible with this new engine. This saving over conventional engines of the same power is due to its compactness, great specific output, and few highly stressed moving parts. It has a low heat rejection which is responsible for a low fuel consumption and a comparatively small quantity of liquid for cooling.

The engine tested was a four cylinder, two stroke cycle, double opposed piston, fuel injection spark ignition, liquid cooled, and 115 horsepower. Its total weight is only 240 pounds when dry.

It is interesting to note the progress made by airlines within the past ten years. The average speed of travel has been increased nearly 60%. However, speed is not the most important advancement. The service via elastic schedules to all parts of the country comes first with passenger comfort and safety second. There were over twice as many fatal accidents during 1936 than 1937. In 1932 six round trips per day were made between New York and Chicago at a cost to passengers of 6.2 cents per mile, while in 1937 23 round trips per day were made between the same two cities at a cost to passengers of 5.4 cents per mile. In 1932 474,000 passengers patronized the airlines, while in 1937 the number increased to 1,103,000.

Louisiana State University has received a gift of 5,000 French books from the French government.

James Gill Named ASM Vice-President

James P. Gill, chief metallurgist of the Vanadium Alloy Steel Co., and an alumnus of M. S. M., is now vice-president of the American Society for Metals. Mr. Gill was elected to office during the business meeting of the recent National Metal Congress of the Society.

The attaining of the position by Mr. Gill is a signal honor, for the A. S. M. is the most prominent organization composed solely of metallurgical engineers in the country.

Mr. Gill has been prominent for some time in the A. S. M. and in the metallurgical field. He is stepping from a position of trustee to that of vice-president of the society. In the metallurgical field, Mr. Gill is considered an authority on tool steels, and he has written a book on the subject.



an authority on tool steels, and he has written a book on the subject.

Mr. Gill, or "Jimmy", as he is called by his friends on the campus, was born in Montgomery City, Missouri, on Jan. 21, 1896. He received his B. S. and M. S. degrees at M. S. M. and later was awarded the degree of Metallurgical Engineer by Columbia University.

At School, "Jimmy" was prominent both socially and scholastically, being a member of Pi Kappa Phi, Theta Tau, and Tau Beta Pi.

In addition to his position of chief metallurgist of the Vanadium Alloy Steel Co., which he has held since 1920, Mr. Gill holds two more jobs. Since 1926 he has been chief Metallurgist of the Anchor Drawn Steel Co., and he has held a similar position since 1928 with the Colonial Steel Co.

Other societies to which he belongs are the A. I. M. E., the British Iron and Steel Institute, and the Am. S. T. M.

It is planned, if possible, to have Mr. Gill visit the campus later in the year to address the school chapter of the American Society for Metals.

HOSPITAL NOTES

The hospital list is back to its usual size this week with seven students listed. They were Joe Stalder, and Don Mayer, with infections; Clyde Cowan and R. C. Owen with colds; R. N. Loran suffering from bronchitis; Robert

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Webb, with a head injury; and Gus Schaller, recovering from a minor operation.

As a MINER SEES IT
Just plain chatter about campus happenings

On detouring around apit the first time, one is inclined to think nothing of it, but as this same detour is necessary for several times we became irked. Then finally in our characteristic, American, matter-of-course way we are inclined to disregard it. This is evidently the course followed by the student body, and faculty in regard to the display of our dearly cherished national flag on the flagstaff in front of Parker Hall. For two months, there has been no flag hoisted every morning; no colors waving in the breeze above the campus; as a matter of fact no rope stretching to the top of the staff. Since it is generally known that the rope was accidentally broken by some soph's demonstrating, to some yearlings their remarkable \$37.40 feat of last year, there should be no reason for hesitancy in replacing the rope and again assuming the civilized practice of allowing the "flag of the free" to have a place on our campus.

The Class of '43 will have an excellent chance to obtain the street address and telephone number of the present student body, providing the promoters of the student directory are able to keep up to the pace they have set at the start. For the duration of one generation's memory, the Student Directory has appeared regularly on the day before Christmas or sooner (generally Oct. 15). With a little help from the students, we may see the directory soon.

Noted from our Class Notes:
"This curve almost perfectly, exactly, beautifully resembles a straight line."
"... and it fell back on its piers and 'th@*--&' if the enemy weren't on our trail."
"Brother if you'da been there you'da run too."
"We gehts (vegates) gentlemen. I believe Christmas will make a passer for Missouri's football team yet."

At one time there lived nine brothers. The first one was a politician; the second was a dishonest too. The third was a banker; the fourth had a cell right alongside him; The fifth was a lawyer; the sixth wasn't reliable either. The seventh was a philanthropist but the eighth didn't have any crime to shield. The ninth was a bachelor just like his father.

Dance Dates

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
Sat., Dec. 17 Sigma Nu

GLEANNINGS FROM OUR EXCHANGES

Frosh: What did you do last summer?
Soph: I worked in Des Moines.
Frosh: Coal or iron? Silver and Gold.

The Miners may have a tough reputation but the school here was not forced to close for protection on Halloween as Springfield Teachers was. There were no meetings or parties at the school that night, the libraries were closed, and all other activities were suspended.

The Warrensburg freshmen are given advice on the great art of thumb-wagging through their paper.

Definitions:
Erg-something a hen laid.
Atom-the guy what made an ignorant mistake when he gave his rib to make woman.

Once a young school teacher and a handsome farm lad were walking down the road together. The farm lad was carrying a large pig on his back, holding a chicken in one hand, a cane in the other and leading a goat. They came to a dark lane.

Said the girl: "I'm afraid to walk here with you. You might try to kiss me."
Said the farm lad: "How could I with all of these things I'm carrying?"
Said the girl: "Well, you might stick the cane in the ground, tie the goat to it, and put the chicken under the tail."

MINERS

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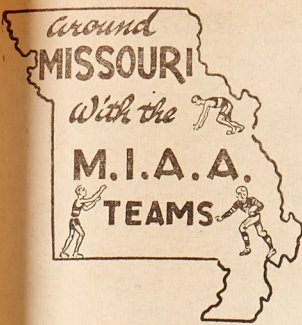
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SPORTS PAGE

November 2, 1938

THE MISSOURI MINER

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M. I. A. A. Standings	W	L	T	Pct.
Maryville	4	0	0	1.000
Missouri Mines	2	1	0	.667
Kirksville	2	2	0	.500
Cape Girardeau	1	2	0	.333
Warrensburg	0	2	1	.000
Springfield	0	2	1	.000

Results Last Week
 Maryville 13, Warrensburg 0.
 Missouri Mines 6, Kirksville 2.
 Carbondale (Ill.) 6, Cape Gir. 0.
Games This Week
 Friday—Missouri Mines at Springfield; Kirksville at Warrensburg; Cape Girardeau at Maryville.

By B. C. Compton

Rain and mud threw a scare into the camps of the Missouri Intercollegiate Athletic Association teams over the weekend, but two of the favored eleven came through to win in loop games, and only Cape Girardeau was upset in non-loop competition.

Maryville took another step toward the conference championship when they slipped by Warrensburg on a soggy field, 13 to 0. The Missouri Miners jumped into second place by trimming Kirksville 6 to 2, thereby knocking the Bulldogs out of the second rung and into third place.

Maryville now has four victories with no defeats on their conference record, and only the Cape Girardeau eleven stands in their way to the championship. Cape calls at the Bearcats field on Friday and although the Bearcats are overwhelming favorites to win, the Indians may surprise their followers. Should Cape upset Maryville, and the Miners win their remaining games from Springfield and Warrensburg, the conference race would end in a tie.

While Maryville and Cape Girardeau tangle on Friday, the Missouri Miners will be invading Springfield in an effort to better their season's record that is now at the 500 mark. Meanwhile Kirksville will try to get back to second place by trimming Warrensburg on the Mule field, and although the Bulldogs will be out-weighted, they are heavy favorites to overcome the Mules.

Loop followers expect that the six teams will finish in the order that they are in now. Maryville should win over Cape Girardeau in their remaining game, while the Missouri Miners should take Springfield and Warrensburg, and Kirksville will be favorites over Warrensburg. Cape now has one victory, and while they are underdogs in the Maryville struggle, they should come out ahead on the Springfield scrap. Thus the final standings should find Maryville with the championship, Missouri School of Mines second, Kirksville third, Cape fourth, and Warrensburg and Springfield tied for fifth.

While the conference games ran true to form over the week-end, the various coaches involved were not so sure about the outcome. Rain that fell for 20 hours before the games made both the Maryville and Kirksville fields soggy, and both Ryland Milner at Maryville and Gale Bullman at Rolla were worried about their offensive strength. As it happened, however, both the Miners and Maryville took to the air to score the winning points.

Maryville piled up 235 yards from scrimmage to the Mule's 61 but the Bearcats could not score on the ground. In the first period short passes carried the ball deep into Warrensburg territory and Hiett nabbed a six-yard pass to score. In the second quarter a pass, Kurtwright to Reital, was good for eight yards and Reital ran 15 yards for a touchdown. Warrensburg made only one first down.

The Missouri Miners struck early



COMPTON SAYS
A Weekly Review of Miner Sports
 By B. C. COMPTON

Notes on the Kirksville Game: After playing sixty minutes through a drizzling rain on a muddy field in a temperature that was anything from warm, the Miners probably won't want to see any more rain for some time. The Kirksville stadium is quite some distance from the fieldhouse, and both teams had to walk to and from the showers. At the half the Kirksville eleven went to a partially completed dressing room in the corner of the field and the Miners were forced to remain out in the rain and cold, which does much to stiffen muscles that were used to action.

As the result the second half was started earlier than usual for Coach Bullman requested the officials to get play underway before the Miners froze.

All-in-all the reception at Kirksville was one of the worst ones ever received by a Miner visiting team in a number of years. In addition to not providing proper shelter for the team during halves, no water was provided for the players; no guards were posted to keep the handful of spectators from crowding in front of the Miners bench; no one was provided to

in the first quarter to beat Kirksville and then settled back to hold the Bulldogs during the rest of the game, until the last few minutes of play.

The game was played in a cold, driving rain, and only a handful of people were in the stands. After an exchange of punts in the first quarter center Joe Spafford of the Miners recovered a Bulldog fumble on the 35-yard line, and in three plays the Miners were over the Kirksville goal line. After two running plays had picked up six yards Otis Taylor tossed a short pass to his running mate at halfback, Harley Ladd, who ran the remaining yards for the score. Ladd's try for the extra point was low.

Late in the last quarter the Bulldogs marched 43-yards down the field only to lose the ball on a fumble, Koziatek recovering on the seven-yard stripe. With but 40 seconds left to play, and fearing a possible fumble in the end zone, Cunningham ran the ball back over the goal line to give Kirksville two markers.

Among the standouts for the Miners were Capt. Irvan Curtis, center, Joe Spafford, and end Jim Wilson. All three are undoubtedly all-M. I. A. A. material. Wilson and Spafford, along with Frank Rogers, guard, and Art Schumacher, quarterback, played sixty minutes of the game. Curtis played all but three minutes.

After winning 16 games in a row, the Cape team is now in a three game losing streak, defeats coming at the hands of Kirksville, Missouri Mines and Carbondale. The Illinoisans made up for several previous defeats by handing the Indians a 6 to 0 trimming, thus ending a seven year supremacy. Bill Townes, Carbondale quarterback, took a punt on his own 45-yard stripe and ran it back for the only touchdown on the game. A sloppy play and a wet ball spoiled most of the offensive play.

wind! The Bulldogs immediately punted and the Miners punted back. With the ball on approximately the Kirksville 35-yard line, the Bulldogs fumbled and Joe Spafford recovered. Quarterback Art Schumacher, who is one of the most improved players on the team, called two line plays that netted about six yards. He then called the pass play. Ladd's kick for the extra point was directly into a cross-wind and was low.

Among the standouts in the backfield were Taylor Ladd, Cunningham, Koziatek and Shorty Baumstark. Schumacher called signals most of the game, except for a few minutes in the second quarter when Kozy was doing the masterminding.

The Miners came close to scoring a touchdown late in the second period, but failed on the fourth down where a pass to Jim Wilson was just out of his reach in the end zone. The Bulldogs took the ball over on the 20-yard stripe and kicked out of the danger. The Miner threat was started when Kozy reeled off a long punt return to the Kirksville 25.

Kirksville came close to scoring in the last few minutes of play, but Kozy recovered a fumble on the Miner seven-yard stripe after Kirksville had marched about 50 yards. Jim Parker suggested on the sidelines that the Miners run the ball back over their own line to give Kirksville two points and to eliminate any danger of the Miners fumbling and Kirksville recovering for a touchdown. Coach Bullman, thinking that there was a minute left to play, agreed and sent a quarterback into the game to call the play. Cunningham carried the ball back over the goal-line.

Later it was found that there was only 40 seconds left to play and that the Miners could have run two line plays and the game would have been over, and Kirksville would have been shut out.

As the events went, however, the Miners kicked off from their 20-yard line after the safety and the game ended as Kirksville threw two desperate passes in an attempt to score.

Among the fans were Wallace Tucker, manager of the Rollamo Soda Shop; Charlie Tucker, manager of the Tucker Dairy, and Paul Dawling.

James Evans Hurt in Mine Accident

News has come that James D. F. Evans, School of Mines graduate in '38, has been in the Fairplay Hospital in Fairplay, Colorado, for a month recovering from a crushed left arm. Evans was working for the London Mines and Milling Company at Tlma, Colorado, when he received the injury working in a hoisting shaft. Fortunately an amputation was not necessary but he will be confined to the hospital for another month.

While he was at the School of Mines Evans was a Sigma Nu, Theta Tau, Sports Editor of the Miner, and Treasurer of the Rifle Team.

SHIP WRECK DANCE

The Rolla Junior Club Charity Ball will be held Saturday, Nov. 19, at the Sinclair Pennant. Tickets are \$1.00 Stag or Drag.



Strange are the ways of a man with a maid! SHIRLEY TEMPLE is inclined to agree with JOAN DAVIS in her opinion of BERT LAHR'S serenade in "Just Around the Corner." Shirley's latest picture, at the Rollamo Theatre, Sunday & Monday, November 13-14.

Season Under Way in Touch Football

Starting the football season off with a bang, the Sigma Nu's buried the Theta Kappa Pi's under a 26 to 0 score, while Lambda Chi emerged with a 12 to 6 victory over the Triangle House. The Freshmen, unable to withstand a first-half barrage, were stopped by the Juniors, 19 to 6. Pi K. A. demonstrated its power with a 33 to 0 conquest of Kappa Sig. Sigma Pi and Lambda Chi were awarded forfeits from the Kappa Alpha's who do not have a team this year. In one of the best games of the season a fighting Sophomore team was stopped by the strong Senior team 7 to 6, while in another exciting game the A. L. T.'s and Pi K. A.'s fought to a scoreless tie. Rain and wet grounds caused postponement of the Friday and Saturday games. The team standings follow:

League "A"	W	L	T
Juniors	1	0	0
Seniors	1	0	0
Freshmen	0	1	0
Sophomores	0	1	0
League "B"	W	L	T
Lambda Chi	2	0	0
Sigma Pi	1	0	0
Triangle	0	1	0
Kappa Alpha	0	2	0
League "C"	W	L	T
Sigma Nu	1	0	0
Pi K. A.	1	0	1
A. L. T.	0	0	1
Kappa Sig	0	1	0
Theta Kappa Phi	0	1	0

Five continents, 32 foreign countries, two territories, 48 states and the District of Columbia are represented in the Cornell University student body.

Juniors Winners in Cross Country Race

For the second straight year the present Junior Class swept to a commanding lead in Intramurals by winning the Cross Country Race when Payne breezed in at the head of the pack. Far back in second place was Mendenhall the lone Fresh representative, closely pursued by Ga Nun, the Pi K. A. flash, and O'Neill the other Junior representative. The Juniors lead in total points with 250, followed by Pi K. A. with 190; Sigma Nu, 140; Frosh, 125; Kappa Sig, 90; Triangle 50; and Seniors, 30. Payne, running a steady race, swept into a commanding lead shortly after passing the half way mark, and then coasted in to an easy victory when the

field tired toward the end of the race.

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Sat. Nov. 12—Matinee and Night
 Double Feature Program
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"SPEED TO BURN"
 No. 2—Chas. Starrett, Iris Meredith in

"LAW OF THE PLAINS"
 Plus—Cartoon and "Lone Ranger"
 1st. Mat. Starts 1:30—Adm. 10-15c
 Night 1st Show 7—Adm. 10 & 25c

Sun. & Mon. Nov. 13 & 14
 Shirley Temple in
 "JUST AROUND THE CORNER"

Plus—"Mickey's Parrot" and Latest News Flashes
 2 Matinees Sun. 1:30 & 3:30
 Adm. 10 & 30c
 Nights 7 & 9—Adm. 10 & 36c

Tues. Nov. 15—Matinee & Nite
 The Jones Family in
 "SAFETY IN NUMBERS"

Plus—Comedy "The Stupor Visor" and "Ask Uncle Sol"
 Matinee 3 P. M.—1st Nite show 6:30
 Adm. 10 & 25c

Wed. & Thurs. Nov. 16 & 17
 "THE CITADEL"

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THRU THE TRANSIT



The house of 207, was out again in full bloom (all ten of them) and one of the members was rather hard up for a dancing partner when he tagged an advertisement to strut with. One of our chemists (Bob Runyan) was seen with something that appeared to be from elsewhere and from his reactions, indications lead to make us believe that he knew her, or should have.

Where was Webb the night of the dance? It seems that he and Altimma take turns at retiring early or is it mutual understanding among the members.

Kell, Watts, Curtis and Harbour can be assured of good cooking providing Mary and Dixie are in a good spirit after the dance. The eggs belong in a frying pan and not somebody's chair. He sat down to sit and sat upon an egg. They all laughed, he also laughed, how did he know there was an egg?

By the way Bill who were you with or was Ed cutting your throat? What was Post doing with a hangman's noose, did some one threaten to do us a favor?

One of the frats from the west-side is not very particular concerning the guests it stumbles home with.

Who was that bright lad playing football with a chair and showing the boys the art of tackling, and the next day complaining of a pain in his back?

Why doesn't Kiesler get a license and pick up some extra change by peddling soda and peanuts while awaiting his turn to get into the game. Time passes very slow sitting on the bench for the entire game. We think Coach should do something about this, Jim is a pretty fair pleyer, that is if you are asking us.

Boorky and Gardner were both sad-faced last Saturday or was it Sunday morning? Egbert and Minnie were in a conversation that must have meant something, due to their quietness.

Charles Dianosich and the Russian Princess were also having a heart to heart conversation but it was still early.

It seems that the house in the East was well represented at the Triangle affair and they seemed to be rather quiet, excluding of course, Kilgour.

A professor of the thromogot-damnics was seen with the boys renewing his college acquaintance. By the way boys, what was in that punch? Spalding and one of the Lindenwood girls did not need the use of a chaperon or am I wrong Vic?

Who was in that car that could be seen and also using the benefits of the shock-absorbers?

How were the orange-peelings Agnes? Did they scratch any? The writer of this column for a fixed fee can give information as to the disappearances of oranges.

Who was that bright Sigma Nu that was heard calling a professor some uncouth names, thinking the prof was out of the room.

Proctor up to his old tricks, this time as a fire eater. From Flanary's appearance, an Oklahoma high-ball must have a wallop enough to make a person sneer at the lions he is seeing. Have him tell you about his experience in the army as to using a blanket as a muffler when in the art of heaving the cubes.

What happened to Pearl's date, Friday night? Of all the places to pass out in (a bathtub). Schauble should realize that other people would like to have a little room left to dance in He should know that he looks like an a— and rather

out of place beings as how he isn't at a dime a dance. He isn't good enough to be a jitter-bug.

What does Polo have against fifteen year old gals?

Missed the one-armed piccolo player, (Pickled?)

I wonder what Kiesler was doing with that plate in front or back of him at the K A dance. Was it for protection, Jim?

McDonald is getting rather tiresome over that certain girl of his. He makes his feelings in the matter a little bit too obvious. A little reticence often helps to make the heart grow fonder.

Miners Will Oppose Springfield, Friday

Riding on the crest of a two-game winning streak, the Miners will journey to Springfield Friday where they will attempt to retain their grip on second place in the M. I. A. A. race. On the basis of their season's record the Miners will take the field as favorites to win. However, the Bears will have had two weeks of rest and should be in top shape for this game. In addition, they will be playing on their home field, so anything may happen. To quote Coach Blair of Springfield: "The Rolla game, November 11, will be our hardest assignment this year with the possible exception of the Maryville game..."

The Miners will be without the services of Flanary who is out for the rest of the season with injuries, and Axthelm who may not be sufficiently recovered from injuries received in the Maryville game to enter the fray. The entire squad will make the trip, leaving Rolla early Friday morning.

This game will feature the annual Dad's Day celebration sponsored by the Teachers. A very large turnout and gala celebration is expected.

Tau Beta Pi Plans New Bulletin Board

Plans for the erection of a private bulletin board and a cement base for the Tau Beta Pi bent were discussed by the Tau Beta Pi meeting last Tuesday night.

The pledges are in charge of the building of both of these proposed projects. The cement base will be made of high-grade material and will be set in the ground near the side door of Parker Hall. The bulletin board will be placed in Parker Hall and will be used only by the Tau Beta Pi for their bulletins and news items.

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Is One of These Stars The Miners' Sweetheart?



Arleen Whelan



Rochelle Hudson



Maureen O'Sullivan

WHO IS THE FAVORITE MOVIE ACTRESS OF THE MINERS?

With this issue the "Miner" in conjunction with the Rolla Theatre, is conducting a contest to determine the Miners favorite movie actress. The contest will last for several weeks, and at the end a poll will be taken by members of the "Miner" staff; and the star will be named. "The Miner Sweetheart." So watch for the picture of your favorites and you will be able to vote for your choice.

sonality which really warrants his position in undergraduate affairs, Waters belongs to many organizations. He is an active member of Blue Key and an alternate Independent member of the Student Council. Last year he was their representative. Praise or criticism for the General Lectures programs should go his way because he is a member of that committee.

A considerable amount of money will pass through his hands this year due to the fact that he is treasurer of the Mo. Mining and Met. Association and also of Theta

Tau. He has had the last position for two years.

Wade possesses that certain type of wit and humor that is peculiar to his section of the country. He rooms with Student Council president, John Post.

Alumni News

1910
Frank L. Treuting, ex'10, accompanied by his son visited the Metallurgy Department and the school mine on Sunday, September 11th. His home is at 59 Meadowbrook Road, Hamden, Connecticut.

1911
Hector Boza, a successful mining engineer of Peru, is Minister of Formante, under whose guidance public roads are built.

A. S. C. E. PRESIDENT

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ation, the Society for the Promotion of Engineering Education, the American Transit Association, and the Engineering Society of Detroit. He has also served as president of the Detroit Local Section of the A. S. C. E.

Although he was born in Lawrence, Kansas, in 1865, for many years Dr. Riggs has made his home in Ann Arbor, Michigan, where the University is located. He was grad-

uated from the University of Kansas with an A. B. degree, but received his degree in civil engineering from the University of Michigan.

Professor, E. L. Eriksen, who is accompanying Dr. Riggs, was born in Odder, Denmark in 1885, and educated at the Copenhagen Polytechnic Institute. He is a member of Tau Beta Pi, Triangle, Chi Mu Epsilon. He was detailer-designer in the erection department of the St. Lawrence Bridge Co. in their erection of the Quebec Bridge. Since 1915 Professor Eriksen has taught at the University of Michigan.

Dr. Riggs, and Professor Eriksen will stay overnight at Paducah, Kentucky and should be able to arrive at Rolla shortly after noon.

Anyone who wishes may attend to hear Dr. Riggs speak before the student chapter meeting the evening of Nov. 14. The time of meeting will be announced later.

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