



13 Oct 1937

The Missouri Miner, October 13, 1937

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THE MISSOURI MINER

MISSOURI SCHOOL OF

MINES & METALLURGY

Z385

VOLUME XXIV

ROLLA, MO., WEDNESDAY, OCTOBER 13, 1937

NUMBER 5

Thomas Hart Benton To Lecture Thursday Night, Oct. 14th

Famous Painter To Appear at
School of Mines Auditorium

Thomas Hart Benton, Director of the Kansas City Art Institute, and who recently created quite a stir with his Jefferson City Murals, will appear at the School of Mines Auditorium next Thursday night at 8:00 o'clock. At this time he will explain the whys and wherefores of his many nationally famous paintings.

The walls of the Capitol Building in Jefferson City are the base on which Mr. Benton recently painted his most famous and probably his best works. Here he portrays his conception of Missouri folk life and history.

Mr. Benton is vitally interested in the Ozark life from which he springs and expresses his interest and observations not only in pictures but also in music. His musical talent is occupied chiefly by the harmonica, which he plays with unusual skill. Also, he has a large collection of Native Dance Tunes.

His distinctive artistic tendency is to paint America as it is. It was this characteristic in his works that caused the "Life Magazine" to send him into Michigan this past spring for the purpose of portraying the labor and political situation. The results of his survey were amazing.

Student of Cizanne

Cizanne, the great French artist, was the guide and inspiration of Mr. Benton's artistic mind while he was a student in France. Under Cizanne's tutoring, Mr. Benton accomplished many things. Among them was the profundity of three-dimensional design on a two-dimensional space. This ability is clearly shown in all his paintings in addition to an ingenious ability to exaggerate and yet picture the truth.

Uses Egg-Yolks in Paints

Egg-yolks mixed with hand-ground pigments make up the paint he uses. This mixture is used against a wash of thin plaster producing a pleasing effect though not such a pleasing odor.

Will Answer Questions

Mr. Benton has offered to answer questions submitted by the audience. This will give everyone a chance to fully understand and appreciate his works.

M.S.M.

Notice

The Rollamo Board has arranged for Mr. Alan MacEwan, staff photographer for the annual publication, to visit the campus next Sunday to take portraits of individual students. His studio will be located on the second floor of the Power Plant Building and will be open all day Sunday.

Mr. MacEwan will make only two visits to the campus this year to take portraits and all individuals who desire to have their portraits in the book should arrange to have them taken at this time.

The plan for the book requires

Homecoming Orchestra



Vince Genovese and his Orchestra will 'Swing' Homecoming to a close with the Homecoming Ball at 9:30 o'clock, after football game and Alumni Banquet. This is another good reason why many Alumni will be here next week-end.

Tau Beta Pi Selects Pledges

The Tau Beta Pi held a mass meeting Friday morning at 11:00 o'clock. R. G. Prough introduced Prof. W. R. Chedsey as a Tau Beta Pi man from Colorado School of Mines, class of '09. Prof. Chedsey told the aims of the fraternity. It is a fraternity that recognizes scholarship primarily, although good fellowship is another requisite.

The reason that the fraternity exists on this campus is to afford some recognition of scholastic ability. It keeps the school from the ranks of many others who put education on a mass production basis. Prof. Chedsey said that one of the prime aims of education was to make men think, which mass production schools failed to do as a rule. The Tau Beta Pi attempts to contribute in every way to scholastic activities. It gives a cup to the organized group having the highest scholastic achievement. The group is allowed to retain the cup for as many years as it maintains the highest average. This year's award went to the Triangle fraternity. Tau Beta Pi also gives a slide rule to the sophomore who had the highest scholastic average while a freshman. Walter Phillip Leber received this award this year. He will choose his own slide rule.

The introduction of the new pledges then came next. Each man's name was read off, and there was a pause while he took his place at the front of the auditorium. The pledges are seniors except one. They were: William Reed Ellis, Honor man of the Junior

individual portraits for all members of the Senior and Junior Classes, the Senior and Junior members of all the social fraternities, the members of the various Honorary fraternities, the members of the various publication boards, and the members of St. Pat's Board.

Please co-operate with the Rollamo Board by having your photograph taken early.

Plans Made For Homecoming, Oct. 23

Alumni Association Has Arranged
Varied Program For Week-End

The Alumni Association under the directorship of Professor Clayton is planning a gala Homecoming October 23 for all former students of MSM.

Although the game between the Miners and Kirksville Teachers is the outstanding event on the program, there has also been planned a varied program to round out the day culminating in the annual Homecoming dance at Jackling Gym.

The program for the day starts with a meeting of the Advisory Committee on Intercollegiate Athletics in the club room of the Metallurgy Building at 9:00 a. m. Starting at 10:00 a. m. the registration for the alumni is to be in the club room, this to be followed by a business meeting at 10:15 in the same place. To permit fraternities to have their annual alumni luncheons there has been nothing scheduled until the Homecoming football game at 2:00 p. m. After the game the annual alumni dinner will be held in the basement of the Hotel Edwin Long at 6:00 p. m. to be followed by a dance in the Gym at 9:30.

The dance, which will be sponsored by the St. Pat's Board, is the culminating event of the evening and features one of the country's most outstanding dance orchestras, Vince Genovese and his orchestra. This band has risen to great popularity in the past few years and will provide a fitting climax to a day of gala activity.

Class, Robert Perdue Alger, Edward Albert Ballman, Roy Charles Cornett, Joseph Craig Ellis, Donald Richard Jaenecke, Frederick Morrison, John August Short, Homer Stokes. After the men had taken their places, the speaker closed his talk. The active members of the fraternity then came forward and pledged the men.

Theta Tau and A S M Sponsor Films

G. D. Cobough of the Harbison-Walker Refractories Company displayed five reels of movies on the "Making of Refractories" before a gathering Thursday night, Oct. 7, in the Metallurgy Building sponsored by Theta Tau and the M.S.M. Chapter of the American Society for Metals. The reels were of enjoyment to all and especial value to the junior mets, who have been studying refractories in class.

The first two reels dealt with the making of fire clay refractories. The remaining portrayed the manufacture of chome, silica and magnesite bricks and showed a few research and control laboratory scenes.

The movies were quite comprehensive, telling the story of fire clay, silica, chrome, and magnesite refractory brick from the mining of the raw materials to the final firing of the brick.

Noteworthy were the scenes wherein firing in continuous kilns was done. The continuous kiln makes possible a highly uniform

Continued on page six

St. Louis Chapter A. F. A. Holds Convention

First Conference of American
Foundrymen at MSM Planned
As Annual Affair in Future

The Regional Convention of the St. Louis District Chapter of the American Foundrymen's Convention, which convened in Rolla on Friday and Saturday, October 2, and 9, was a distinct success. The total registration of 162 persons exceeded the hopes of the committee in charge, who had been looking forward to the fulfillment of their planning with quite some trepidation, this being the first regional convention to be held by the Saint Louis chapter of the A. F. A. The chapter has been in existence for only two years.

Six technical sessions were the nucleus of the conference. Authoritatively presented pertinent papers of decided commercial as well as purely scientific value were the rule throughout the entire convention. Discussion and comment, lead by able chairmen, were frequent. In all ways the sessions were similar in content and effectiveness to others held by the various other A. F. A. chapters throughout the United States.

The conference as a whole was marked by but one disappointment. Because of the illness of his mother, the A. F. A. president, Hymen Bornstein, was unable as planned to remain and deliver an address at the Friday evening Hotel Edwin Long dinner. Instead his speech was read by Mr. D. M. Avey, secretary-treasurer of the national organization.

All junior and senior metallurgy students, having been excused from Friday afternoon and Saturday classes, were available throughout to be of service to the A. F. A. members. Some rendered "heavy duty" while others were acting as guides. Their subsequent presence at technical sessions swelled the gatherings to capacity size, which necessitated introducing more chairs in order that everyone be seated. Faculty members also were in attendance.

Two alumni and two faculty

Continued on page six

When? What? Where?

WEDNESDAY, OCTOBER 13

Ira Remsen Society; 7:30 P. M., Chem. Bldg.
St. Pat's Board; 7:00 P. M., Club Room

THURSDAY, OCTOBER 14

General Lectures on "Ozark Murals", Thomas Benton; 8:00 P. M., Auditorium.
Rollamo Board; 7:15 P. M., Power Plant.
Glider Club; 7:00 P. M., Mech. Hall.
Missouri Probate Judges Meeting—All day.

FRIDAY, OCTOBER 15

Football—Warrensburg Teachers at Warrensburg.

SATURDAY, OCTOBER 16

Sigma Nu Dance.

THE MISSOURI MINER



Official Publication by the Students of the
MISSOURI SCHOOL OF MINES AND METALLURGY,
in the Interest of the Alumni, Students and Faculty

1937 Member 1938
Associated Collegiate Press
Distributor of
Collegiate Digest

REPRESENTED FOR NATIONAL ADVERTISING BY
National Advertising Service, Inc.
College Publishers Representation
420 MADISON AVE. NEW YORK, N.Y.
CHICAGO - BOSTON - SAN FRANCISCO
LOS ANGELES - PORTLAND - SEATTLE

Published every Wednesday during the college year

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FACULTY ADVISER DR. J. W. BARLEY

Entered as second class matter April 2, 1915, at the post office at Rolla, Mo., under the Act of March 3, 1879.

Subscription Price

Domestic, \$1.50 per year; Foreign, \$2.00; Single Copy 8 cents

ARE WE HONEST?

At the close of the World War, the War To End All Wars, the horror ridden people of the world willingly joined in unison to champion Peace forever. An idealistic group formulated the League of Nations to handle all disputes between the several countries and thus eliminate the cause of War. A child after being punished exhibits the same quality of contrition. During the past four years, and at the present, a continual state of war has existed among several of the foremost nations of the world. However, because there is lacking an official declaration of war the hands of the idealists 'dispute settler' have been tied. While the representatives of fourteen nations sit in Geneva and discuss the legality of Japan's killing the Chinese, mostly agreeing upon the familiar phrase, "they can't do that", hundreds of people are being ruthlessly murdered in China. No Declaration of War has been made so no treaty has been violated. As man progress in wisdom and knowledge it seems logical that he should lose the qualities that were so outstanding in his 'less wise' forefathers. However, all that is evident of this state of 'high intelligence' is the lack of honesty in dealings with fellow man. An analysis of the individual will only bring this state of affairs closer to home. Day by day the American preaches a doctrine of Peace, yet millions of dollars are wasted annually in preparation of War. The youth of our country are forced to 'learn to kill' in our institutions of 'higher learning'. Special dress is exhibited by the teachers of 'efficient murder' so that they may be recognized and distinguished from other men. Civilization, as defined by Webster, does not infer in the least that such a thing is possible. Every student in this Christian nation, that enters a state school must study, for two years, to effectively violate the greatest commandment taught by every church, "Love thy neighbor as thyself." Let's either revert back to the old way and at least be honest with ourselves, or throw off this sneaking method and openly prepare to KILL. One man can fool millions of other men, but he will find it difficult to be dishonest with himself.

SCHOOL FLAG

Did you know that we have a school flag? Well, we have. Dr. Mann brought up the subject in one of his Freshman drawing classes the other day. A group of enterprising Freshmen became interested, and, since the present flag is nothing to be proud of, they have helped Dr. Mann make plans for a new flag.

The new flag is to have the seal

of the school in the upper left hand corner. From this corner radiate seven stripes, alternating gold and silver, representing the seven types of engineering here.

The flag is to be of fine construction and materials, one that we can be proud of. It will be carried with the colors in the grades and reviews of the R. O. T. C. unit.

If you are asked for a contribution to the fund for the flag, give

FOURTH LECTURE ON PROGRAM GIVEN BY DR. FEIND
MEDICAL ADVISOR FOR M.S.M.

Dr. Feind's contribution to the series of Freshmen Lectures was on health, "the tap root of the tree of engineering". In the introduction of his speech he congratulated the class on their choice of schools.

"Health," Dr. Feind continued "is based much on minor health rules". He also gave two others which must be obeyed for best health and highest efficiency in study. They were: never sacrifice health for economy and never neglect minor health rules. He gave emphasis too, to the need for particular attention to changes in food, water, etc., which most students of this school are naturally subject to. Dr. Feind also cautioned against the neglect of the common cold which beside being extremely uncomfortable is the forerunner of many infectious diseases. Another simple health rule he mentioned was exercise. "Doc," said, "long hours of continuous study are detrimental to a man's health and one should, at intervals, quit and walk around to get his mind off of studying for a few minutes. Exercise or some sort of a work out each day is one factor that contributes much to good health. Also get at least seven hours sleep each night.

In connection with personal care of the body he said. "Always keep the skin clean for it serves several purposes and must be kept in shape. Beside the elimination of wastes and protection of the many parts of the body it contains the nerves of touch. Many diseases some of which are the result of uncleanness, have been traced to the skin. Skin blemishes should also be attended to for some kinds of moles cause trouble later on in life."

"Care of the hair is also important. It should be washed once every week or the days especially if that

freely, and help us make this flag one that really belongs to the students themselves.

"old offender" dandruff is present." "The care of the eyes is a very important item that is sometimes overlooked. If at any time the eyes are strained or sore an eye physician should be consulted at once. An important eye rule is never rub the eyes with the fingers, especially if some foreign body is lodged in the eye."

About the care of the teeth he said, "teeth should be washed once a day at least; twice a day would not injure them and as Amos and Andy say consult a dentist at least twice a year. The practice of washing the teeth is partly for personal appearance but in the most part to lessen the possibility of decay and disease germs developing in the teeth."

"The care of the ears, nose and throat," he continued, is also very important. The ears are very sensitive and should be treated accordingly. The outer ear should be washed but the inner ear should never be bothered. If the wax in the inner ear should harden and cause trouble a physician should be consulted; never remove it yourself with any sort of stick or rag you can find. The nose and throat are also important as besides being useful to the body they can also breed disease germs. Any irritations of either should be cared for by a physician at once."

"Doc" also stressed the care of the feet and hands. "The hands" he said should be kept clean as we are constantly consciously or unconsciously touching our mouth with our hands or with something handled by our hands. The feet should not be slighted in this program of cleanliness either, for sore or unhealthy feet are very uncomfortable. Wet feet should be particularly guarded against as they are the cause of many colds."

In closing "Doc" said, "always come to us when you have anything wrong with you, but please do not bother us unnecessarily and if the matter is not important respect my hours."

After Doctor Feind had finished his lecture, Mr. Armsby took the meeting over and requested every-

one to write out their choice for officers in the form of a ballot and deposit them in boxes at either door.

When Walter Goelkel and two assistants had counted the ballots it was found that the independents had "taken it over". Totals are as follows:

For president, C. O. Koch, 127; R. E. DeWitt, 35; and J. H. Hequimb, 28.

For vice-president, R. J. Cunningham, 37; J. S. Stephens, 105; W. R. DeForest, 13; A. R. White, 13; R. H. Egbert, 11, and Jas. Bock, 7.

For secretary, C. E. Ellett, 101; Jas. Burns, 21; L. Wolff, 12; W. D. Kilgour, 6; K. F. Livingston, 5; M. M. Henning, 30.

For treasurer, Leroy Allen 85; J. F. Taylor, 18; R. S. Dorsey, 13; R. L. Topper, 0; R. O. McMichael, 7; C. M. Burton, 15; P. J. Bouchier, 20; K. L. Hardine, 17; R. P. Kennedy, 2.

Freshmen salute your president, C. O. Koch; your vice-president, Steve Stephens; your secretary, Chas. Ellett, and your treasurer, Leroy Allen.

For the office of treasurer there is no absolute majority, but Leroy Allen is declared elected unless the class votes to hold another ballot for his office.

M.S.M.

BOARD FOR STUDENTS

There is room at our tables or just a few more students. Two meals per day \$18.00 per month.

MRS. FLORA C. GRANT

M.S.M.

BOARD AND ROOM \$25.00

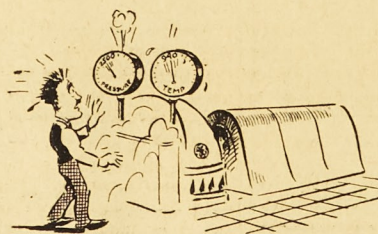
Wanted—Four students for room and board. We will board and room for \$25.00 per month each. Good modern rooms.

5-1-p 506 MAIN STREET.

JIM PIRTLE

Watchmaker and Jeweler
Fine Repair Work a Specialty
41 Years Experience
31 Years in Rolla

G-E Campus News



IT'S THE "TOPS"

A turbine-generator set now being built at the Schenectady Works of the General Electric Company will operate at a pressure of 2500 pounds and at a temperature of 940 F. This pressure is nearly 1000 pounds more than that used for any other commercial unit now in service, and the temperature is higher.

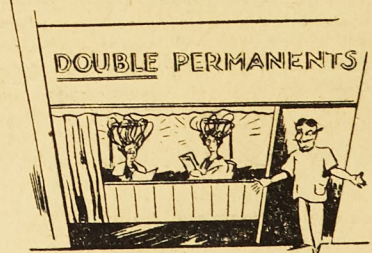
It represents the work of many men. Experts in mechanical design have solved unique problems—for the shell of the turbine will have to withstand pressures equal to those that exist more than half a mile below the surface of the sea. When the unit is completed, electrical and chemical engineers, metallurgists, and research workers will have contributed knowledge and experience to it.

The design and construction of turbine-generators such as this is largely the work of college graduates—some of whom entered G-E Test only a few years ago. Thousands of other Test men are engaged in the design, manu-

facture, and sale of these and hundreds of other electric products that are used in industry today.

TWO PERMANENT WAVES

Co-eds preparing for a dance are not the only subjects for permanent waving—there is the tungsten wire used in General Electric lamps.



This wire, 19/10,000 inch in diameter, is first tightly wound, 335 turns to the inch, with the coils 1/1000 inch apart. After the wire receives this first "permanent wave," it is coiled once more, 70 turns to the inch, with 7/1000 inch between the turns. This reduces the original 20 inches of wire to a coil 5/8 inch long and having an outside diameter of 3/10,000 inch.

These permanent waves pay real dividends because tungsten wire becomes more brilliant as it is more closely compacted. This new process is only one of many developments made by G-E engineers in the field of illumination—a field which offers many opportunities to technically trained men.

90-7FBI

GENERAL ELECTRIC

SPORTS PAGE

Intramural Program Extended

Several New Sports Planned In New Broad Program

Commencing one of the largest intramural seasons the school has ever seen, a golf tournament will be held, open to the entire school. The seventy-two hole medal play scheduled for the past week and completes the fall golf tournament.

First, 2nd and 3rd prizes will be given. This tournament has nothing to do with the intramural cup and will be held as a general school tournament.

Towards the intramural cup a tennis tournament will be held commencing Oct. 11. Each organization will be allowed to enter two men in the singles and two in the doubles, but these men can compete in one event only. A team trophy will be given to the organization winning the most points. Individual medals will be given to the winners and runners up in each event.

Next will come the hand ball tournament with the entries closing Oct. 14th and play starting Oct. 18. The eligibility will be the same as in the case of tennis. A team prize and individual prizes will be given.

A new sport in the annals of the School of Mines will be a cross country race starting at the race track, completing two loops there, a jaunt around the campus and another lap around the track. This will be held the morning of home coming, Oct. 23. Each group may enter four men with a team trophy and individual prizes given. Better start training boys for it's no fun unless you are physically fit.

As the basketball tournament is starting early this year entries must be in by Nov. 5, with team play commencing Nov. 9. A team prize will be given.

The intramural swimming meet will be held sometime during the third week in January. The events will be the 40 and 100 yard dash, the 200 yard swim, the 100 yard back and breast stroke, 180 yard relay and diving. 1st and 2nd individual prizes and team prizes will be awarded. Two men from each organization will be allowed to compete in each event.

Boxing and wrestling will start



CARBONDALE VS. MINERS

These pictures were snapped during the Miners first football game of the season. Murphy missed the pass, but it was still a guess when this snap was made. Baumstark has just finished a tour of 10 yards in the lower picture.

1937 FOOTBALL SCHEDULE

Miners 27—Carbondale 0

Miners 6—St. Louis U 32

Oct. 15—Warrensburg at Warrensburg (N)

Oct. 23—Kirkville at Rolla

Nov. 6—Oklahoma City U. at Oklahoma City (N)

Nov. 13—Springfield at Rolla

Nov. 19—Maryville at Rolla

Nov. 25—Cape Girardeau at Cape Girardeau

the second and third week respectively, one man from each organization will be allowed to compete in only one event. The weights will be the 115, 125, 135, 145, 160 and 175 lbs. These weights are subject to

change.

Volley ball will start the first of March. Team prizes will be given.

The soft ball tournament will take place in April and as in Volley ball, team prizes will be given. More will be announced later.

Individual golf begins in April. There will be an individual prize and a two man team prize.

A big open track meet will be held to varsity and dubs alike. This will take place one week before the regular season starts. Two men from each organization will be allowed to compete in the events that follow: 100, 220, and 440 yard dashes, 880 and mile run, 120 high and 220 low hurdles, broad jump, high jump, and pole vault, discus, shot put and javelin and one-half mile and one mile relay. First and second individual prizes will be given to the team winning the most points.

The horseshoe tournament will take place in April with the same qualifications as in tennis.

Each organization will be mailed a set of rules and regulations in due time before the start of each event. With the exception of the first four events, the information is not too complete and more will be said about it later.

COMPTON SAYS

The Monday morning quarter- advantage of the situation and back, alert gentleman who has so much to say about the situation on Monday after the big games, can have a field day this week trying to figure out what's what after lady luck smiled the wrong way last Saturday afternoon over a nationwide gridiron front.

The good lady deserted her box seat on the front row and took to the air lanes for a change. While she was gone several of the smart coaches kept their charges on the ground and run rough shod over their luckless opponents.

First, glancing at the state-wide M. I. A. A. race, Cape Girardeau took the bull by the horns Friday afternoon against the Springfield Bears, winning 33-0 from the eleven coached by Andy McDonald. As the result of their victory the Indian of Cape now sits enthroned at the top of the standings, followed by the Bearcats of Maryville and the Bulldogs of Kirkville.

Last year's champions, who defeated last week for the first time in years, invaded Maryville to meet Coach Ryland Milner's tough crew. After splashing around in the rain for sixty minutes they come off the field in the same position they went on, with neither team scored upon. Thus a five year monopoly on the M. I. A. A. flag was broken.

The staidings now after the first week of play:

Team	W	L	T	Pct
Cape Girardeau	1	0	0	1000
Maryville	0	0	1	000
Kirkville	0	0	1	000
Miners	0	0	0	000
Warrensburg	0	0	0	000
Springfield	0	1	0	000

Warrensburg was the fifth of the six teams in the loop that saw action, the Mules defeating the Central College Eagles, 15 to 0. As the Miners were observing an open date, Coaches Bullman and Gill took

looked over the Mule-Central tilt and also, by some fast traveling, the Kirkville-Maryville game.

Assistant Coach Jim Parker, Bill Brannock and this writer attended the Cape-Springfield game and saw a tough, smart Indian crew run wild over a slow, powerful Bear eleven. The Indians have power, plenty of it, although they didn't need much to take the Bears into camp. The final score, 33-0, did not indicate the true strength of the Cape eleven.

Warrensburg had little trouble in disposing of the Central team,

Continued on page four

ROLLA LIQUOR STORE

(ROLLA'S OLDEST)

118 West 8th Street

Across from Hotel Edwin Long

Phone 62

Choice Selection

Liquors - Wines - Gins

Also

All Brands of

Beers and Ales

ANNOUNCING

Rolla Cut Rate Drugs

Old Rolla State Bank Bldg.
619 Pine St.

You are Cordially Invited to Visit US
and Observe Our

Deep Cut Prices

BOTANY TIES

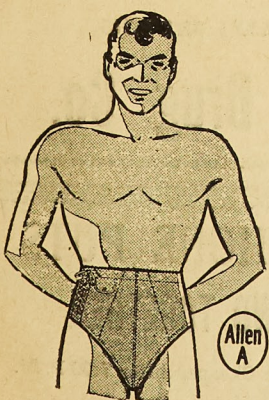
WRINKLE PROOF

Parry Watkins

709 Pine

Rolla, Mo.

Men's Knit Scantie Shorts



Double Front, Comfortable and Good Fit size 28 to 38 at 50c Pair

Allen-A Shorts of Woven Madras and Broadcloth at 50c

Campus Sweaters

Brushed Wool Coats Button and Zipper Front \$1.98 and \$2.95

Standard Store

THETA TAU

On Thursday evening at 7:00 p. m. in the club room of the Metallurgy Building Theta Tau, national honorary engineering fraternity, held a short but enjoyable meeting.

Bert Lanier opened the meeting by introducing the guests to the members of Theta Tau. Smokes were passed out during the meeting.

Present was Fred DeVaney, associate metallurgist of the Rolla Station of the Bureau of Mines. Mr. DeVaney, one of M. S. M.'s oldest member of Theta Tau, spoke on the subject "Theta Tau-Its Meaning." After the speech the members adjourned to go down stairs and see motion pictures being shown jointly by Theta Tau and the local chapter of the American Society For Metals.

PROGRAM

ROLLAMO THEATRE

Sat. and Sun. Matinees 1:30 & 3:30
Matinee Every Tuesday 2:30

Selected Short Subjects on
Every Program

OCTOBER HARVEST OF HITS

Fri. and Sat., Oct. 15 and 16

Double Feature Program

No. 1—Bobby Breen in

"MAKE A WISH"

No. 2—Hop Along Cassidy in

"RUSTLERS VALLEY"

Sat., Oct. 16 at 11:00 P. M.
Encore Show

Deanna Durbin in

"3 SMART GIRLS"

Plus Selected Short Subjects

Sun. and Mon., Oct. 17 and 18
THE RITZ BROTHERS in

"LOVE BEGINS IN COLLEGE"

Tues., Oct. 19, Matinee & Night

Lee Tracy and Diana Gibson in

"BEHIND THE HEADLINES"

Wed. and Thurs., Oct. 20 and 21

"LANCER SPY"

Starring Delores Del Rio, George Sanders, Peter Lorre—Plus
"Coronation of King George"
in TECHNICOLOR and latest
News Events

Coming—Friday, Oct. 22

ONE DAY ONLY

Mr. and Mrs. Martin Johnson's Film

"THE BEASTS OF BORNEO"

COMPTON SAYS

Continued from page three

and the Mules have already established themselves as favorites in the loop race. Last week they defeated the Kansas Wesleyan eleven, which last season won the Kansas College conference. Thus the Cape Girardeau team and Warrensburg are the only two teams in the conference that have been undefeated so far this year. In addition the Indians have as yet been unscored on.

In the Kirksville-Maryville battle last year's champions came close to scoring on the Bearcats. Recovering a fumble within the Maryville 10-yard stripe in the third period, the Bulldogs, under the direction of Coach Fritz Faurot, failed to gain and after a fumble the Bearcats recovered the ball and kicked out of danger. At no time was the vaunted aerial attack of Maryville in evidence.

Incidentally the Bulldogs were without the services of Herb Parsons, the 200-pound tackle who made so much trouble for the Miners last season, being declared ineligible for scholastic reasons.

Other Missouri teams also stayed on the ground, and as the result the three major University teams in the state turned in only one victory out of three attempts. Missouri won over the Kansas State eleven, 14 to 7, mostly on a lucky break. Tied 7-7 in the last quarter, a punt by the Missouri kicker touched a Kansas State man and went wild. Houston Betty, Tiger center, fell on the ball over the goal line and the Tigers were ahead, 14-7.

The two St. Louis elevens took it on the chin, Southern Methodist trimming the Washington Bears and Mississippi State pushing the St. Louis University Billikens all over the southerners back lot. The Bears did not have enough on the ball to hold the razzle-dazzle team from Texas and the Mustangs scored early in the game. After that the Washington defense held up and the final score was 14 to 0. If the Bear's could have manufactured an offense, the outcome might have been different.

Down at Oxford, Miss., the Mississippi eleven showed very little of that southern hospitality and turned back the Bills, 21 to 0.

Looking over the schedule for next week we find the East Texas at Kirksville, the Miners at Warrensburg, Springfield at Maryville, South Dakota at St. Louis U., Bradley Tech at Washington, and Michigan State at Missouri. Cape Girardeau has an open date.

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LOCAL CHAPTER OF AMERICAN SOCIETY FOR METALS HAS GUEST SPEAKER WEDNESDAY, OCT. 6

The local chapter of the American Society For Metals had as guest speaker before its members Wednesday, October 6, at 11 o'clock in the Metallurgy Building Mr. J. J. Picco. Picco, alumnus of '33 and Foundry Engineer with the Sorbo-Mat Process Engineers, St. Louis, delivered a most interesting and worthwhile talk on "Foundry Practice". His evident thorough knowledge of his subject and direct manner of presentation were such as to involve continued attention from his audience throughout.

Mr. Picco's talk, as any discussion on so extensive a subject as "Foundry Practice" must necessarily be, was of a general nature. His remarks, however, were divided into three main topics, "Making a Mold", "The Art of Casting", and "Furnaces Used In The Foundry."

"A Foundry", began Mr. Picco, "is a plant or business endeavor engaged in the casting of metal". Picco continued with a brief sketch of the progress that has been made in the foundry, emphasizing the growing need for better technical control therein, which accordingly opens the doors of opportunity to the present graduating metallurgist.

Thereupon he launched into the first problem that a foundry engineer has to face, namely, "Making a Mold". "Anything which is cheap and will take the pattern of the object to be shaped can be used for making a mold", remarked Mr. Picco, "and the cheapest ceramic material available is sand." Mr. Picco's narration concerning the types of sands used and the essentials upon which a sand is chosen, and his subsequent explanation of the manner in which sand is prepared for molding purposes was technical but also readily understandable.

"The art of molding" was now narrated by the speaker. This topic was subdivided into four parts—"Types of Molds", "Proper Metals For Pouring", "Precautions Taken In Casting." Especially upon the latter did Mr. Picco elaborate. A blackboard diagram of a mold having technical terminology for each part made for clarity as Picco led the gathering through the delicate process of pouring a casting and the means taken to escape the effects of shrinkage. A "riser" (pouring entrance in the side of the mold near the top) is the device used to overcome the effect of differential freezing of the metal within the mold.

Time limited Mr. Picco to but a brief explanation concerning the various furnaces used by foundrymen. Still, diagrams of the cupola, air, indirect arc, direct arc, rotary air (Brackelsberg), and reverberatory furnaces were sketched by Mr. Picco. The fundamental operating principals and advantages of each were also related.

R. C. Tittel, president of the local A. S. M. chapter, presided over the gathering, which was large.

—M.S.M.—

BLUE KEY

Blue Key held its first luncheon meeting Wednesday noon, Oct. 6th, at the Parish House. Pledges Donald Jaenecke and Omar Walley were initiated into the fraternity at that time. Melvin Nickel acted as toastmaster for the meeting. Walter Goelkel gave the history of Blue Key, Jack Long told the significance of the key, and Craig Ellis administered the oath. The two new members were also called upon to say a few words.

It is planned, by the fraternity, to hold a luncheon meeting on the first Wednesday of each month. The organization is now working on plans for Homecoming on Oct. 23.

GEOGRAPHICAL DIVISION OF STUDENTS

Thirty-two states and four foreign countries are represented in M. S. M.'s 672 enrollment this year as compared with twenty-four states and two foreign countries last year.

Illinois leads in the number of students in attendance with 59, (excepting Missouri which has a representation of 513 students). New York ranks next with an enrollment of 26. The other states in order are: New Jersey 17; Pennsylvania 9; Massachusetts 7; Kansas, Oklahoma, and Wisconsin with 6 each; Connecticut and Texas with 5; California and Indiana, 4; Arkansas, Iowa, Minnesota and Nebraska having a delegation of 3 each; Florida, Louisiana, Mississippi, New Mexico, Tennessee and Vermont, 2 each. Those states having one student are: Arizona, Maryland, Montana, North Carolina, Ohio, South Dakota and Wyoming.

China and Mexico have two students attending M. S. M., while Peru and Bolivia have one each in attendance.

Thus, although Missouri is furnishing 75 % of the total enrolled this year, still the large out of state enrollment shows the school to be very national in scope and influence.

M. S. M. has a total increase of 34% over the high enrollment of last year.

—M.S.M.—

ALUMNI NOTES

1927

R. H. Knight, who is employed by the Air Reduction Sales Company, 630 South Second St., St. Louis, Mo., lives at 2504 Sutton Blvd., Maplewood.

1936

Junior C. Turk, employed by Eastman Kodak Company, is living at 118 Electric Ave., Rochester, N. Y.

1937

F. C. Appleyard is with U. S. Gypsum Company, Sweetwater, Texas. He resides at 1005 Oak Street.

E. W. Volz, Box 304, Bound Brook, New Jersey.

B. W. Brown is now employed by S. G. Hayes and Company at Fullerton, Kentucky.

M. E. Green is Instructor in the Department of Ceramic Engineer-

ing at Iowa State College, Ames, Iowa, and also Junior Ceramic Engineer, Engineering Experiment Station.

—M.S.M.—

He: "We certainly had a good time last night for 10 cents."
She: "Yes, I wonder how little brother spent it?"

"Your neighbors are honest are they, Rastus?" queried the old negro.

"Yassir, dey is."
"But you keep that loaded shotgun near your door?"
"Yas, dat's to keep 'em honest."

—M.S.M.—

Motor-bikes, motor - scooters, chairs and tiny streamlined trains will carry visitors over the 400-acre site of the 1939 World's Fair on San Francisco Bay.

C. D. VIA

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THOMAS HART BENTON

Thursday, Oct. 14 Admission \$1.00

Parker Hall Auditorium

8:00 O'CLOCK P. M.

Fresh Fruits, Vegetables and Candies
BROCE Fruit and Vegetable Market

214 West Eighth

THROUGH THE TRANSIT

by homer bru. . .

A special requisition has been submitted to the Business Office to purchase glasses for the 'Snakes' and the Kappa Sig's. Of course the Keep Off The Grass signs could be made a bit larger. Your cooperation will be appreciated by the rest of the student body.

Three houses had their pledge 'swings' over the week-end. I had about given up hope of seeing the old liquid flow this season Old No. 429 kinda crimps the old style . . . but the volume hasn't decreased. I'm waiting to see what No. 429 will be like at Homecoming . . . either the old crowd has changed or the Rolla jail will need expanding. . . .

Good thing the class of '38 elected a good man for Pres . . . a lot

was needed to pull up the error made below the top man. Another example that politics will force in what it has . . . not what is best.

Orchids to the band . . . they have really improved. The music forthcoming now deserves some new dressing up in the way of uniforms. . . . Perhaps some day . . . if we get the breaks (meaning Uncle's easy money).

Looking for good exercise—drop up to the bowling alley some-time Good clean fun . . .

Sorry I haven't any dirt for you; 'digits please' . . . call for a date some time and give me a chance to find out how you spend your time. . . . Maybe you could lead me to such comings off, yes-no.

RESPECT TO THE FLAG

When you see the Stars and Stripes displayed, stand up and take off your hat. For all the signs and symbols since the world began there is none other so full of meaning as the flag of this country.

Your Flag stands for humanity, for equal opportunity, for a glorious past and a glorious future. Don't ever be ashamed when you

choke up and tears come, as you see it flying from the masts, public buildings and etc., for you will never have a worthier emotion.

THE R. O. T. C.

With about 180,000 students on the rolls, the Reserve Officer's Training Corps will reach an all time high this year.

All of this enrollment is in the old established units for no new ones were brought into being last year. Due to financial limitation, it is not contemplated that any additional ones will be organized this year.

The University of Illinois holds its position as the largest of the senior units and the Chicago high schools tops the list of the juniors.

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for Homecoming, send her a corsage from

Mrs. McCaw's Shop

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Pine Street

PAY DIRT

By C. Sharp

What annoyance is about 1/4 with us over a Jerseyvillian? So much so in fact that he has trouble remembering his own name. Murderer will out at Homecoming I bet. Some call him Dago.

The short term spouse mentioned as "digits please" by my feuder is all over him like a flick of flying ants. Just be column Homer. And does she dance! Ask the Greek Freshmen.

Woe is you if the ole hill town starts a whispering campaign agin ya. They don't leave nothin but fellas.

Said one alumnus "I haven't got ten over my five years yet. I've never been the same, and I still worry a lot." I'm anxious to hear the explosion when some read this weeks editorial. That is, if anybody can wade through all of the highfalutin' words. After all Ed. were not educated, just engineers.

Has anyone counted the Fraternities lately? Things are mighty quiet along a lot of fronts. There's one room in Mechanical Hall that ONE gent won't enter soon without knocking. Wool! Ex Regis.

SWINGINS

Goody! Somebody must read this, as he asked me where Glen Gray is holding forth. He's in the Manhattan Room of the New Yorker palsy. Him, his, and O'Keefe. Come listen to the cats at the jam session Saturday of Homecoming at the Pi K A house. Prettyboy Genevise is doing it. Give a listen to "Let's Pitch A Little Woo" and the F. T. "Raggle- Taggle". Mal Hallet makes forthright foxtrotology with "Let's Have Another Cigarette" Plattermate "Life Of The Party" gives the story body by Jerry Perkins and Teddy Grace Literally lifted but likeable Sammy Kay's style unreels Wayne King's Josephine, an old smoothe and possible hit.

Ain't it awful?

—C. S.

THE MAKING OF A MAN

(Based on a talk by the Commanding Officer of the Newport Naval Training Station to a draft of recruits leaving for the Fleet.)

If you want to be respected, you must respect yourself and others.

If you want to hold a responsible position in life twenty years from now, you must start working for that position not five or ten years hence, but now. If you want to control others, you must learn to control yourself. If you want to keep your character and reputation above suspicion, keep good company or none. If you want real happiness, indulge in wholesome recreation only, and refrain from pleasures and keep away from degrading and dangerous. If you want justice, be fair with your shipmates. If you want financial security, don't buy on credit but pay as you go and save something every month, starting now. If you want the good opinion and not the contempt of others, avoid profane and obscene speech.

M.S.M. METALLURGY NEWS

Messers Coghill, Duncan, Emigh, and Rampack of the Bureau of Mines Staff, Dr. S. R. B. Cooke of the Department of Metallurgy and Ore Dressing, and Director Wm. R. Chedsey visited the Lead Belt on Wednesday and Thursday, September 29th and 30th.

A bricklayer working on the top of a high building accidentally kicked a brick loose with his foot and it unfortunately landed on the head of a negro who was passing. "Be careful, Big Boy," the darky shouted, "you made me bite mah tongue".

Gleanings From Our Exchanges

By Carl Cotterill

According to Professor of History Dildine of Northwest, Mo., S. T. C., at Maryville, is just now following the example set by England in her Chinese policies by taking all she can get with as little effort as possible. Also Prof. Dildine compared Japan to the United States' policy in Central and South America.

Webster says that taut means tight. I guess I have been taut quite a bit while in college.

"I'm not the happiest person in the world, but I'm the next to the happiest," murmured the supreme egotist, as he took the sweet young thing in his arms.—St. Louis U. News.

WHAT'S THIS?

Though it sounds like a Miners' Heaven it must be true because it's from the Michigan State "News":

They say the freshmen have it tough the first few weeks, but what about the Sophs; especially the girls of the Sophomore Class. Here we sit evening after evening reading "True Confessions" or even mending socks, and when a girl stoops to mending her own footwear, you can be —\$(censored) sure she is pretty lonesome. But here we sit anyway while those little "green animals" run away with the male population.

If ever there were maidens in distress, we who have reached the dignity of upper-class women in the realm of education, we are they. We are simply ignored, utterly, entirely, and completely ignored. "Old flames sometimes give us a curt nod or maybe don't even notice our presence. The old steady calmly flicks some sweet little somebody under your nose and forgets that you were anything but an old friend of the family.

Oh, yes, sad is the life of the lonely sophomore girl. Sewing Circles and knitting clubs could have originated nowhere else than among poor neglected upper-class-women. And still they say, "Pity the poor freshman!" Phooey!—Michigan State "News"

A skeleton is a man with his inside out and his outside off.

"How would you make soft water hard?" Freeze it.

A monologue is a conversation between husband and wife.
—Marquette Tribune.

By the Washington University "Student Life" we see that Shakespeare was listed under the "Born 300 years too soon" column. Here are a few exceptions which might have been taken from his 1937 composed play.

"Let me have about me men that art fat, sleek-headed man and such as sleep o'nights with Sanka Coffee."

"You Cassius has a lean and hungry look. Methinks he has not had his Wheaties this Morn."

"The quality of mercy, is not strained; it falleth like the gentle



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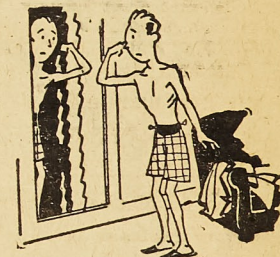
9TH AND PINE

rain from heaven upon the place beneath. Like gifts from Ye Olde Gifte Shoppe, 2032 Blank Street, it blesseth he who gives and he who takes.

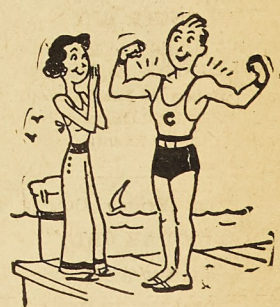
In a certain college paper we read that freshmen became proficient in the art of "buttoning". With the modern age shouldn't it be more correct to require "Zipping."

DRINK Falstaff Beer

Skinny arms and skinny legs
Were the bane of Tony Meggs.



Laughing girls all passed him by,
For Tony was dull and not so spry



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A. F. A. CONVENTION

Continued from page one

members participated directly in the technical sessions. J. J. Offutt, '34, Sales Engineer, A. P. Green Fire Brick Co., Mexico, Mo., and J. J. Picco, '33, Foundry Engineer, Sorbo-Mat Process Engineers, St. Louis, presented papers, the former during the Friday morning "Refractory" session and the latter before the "Metallography" gathering, which convened that afternoon. Dr. S. R. B. Cooke of the metallurgy department delivered the first talk at this same session, which was conducted by Prof. C. Y. Clayton, the chairman.

Prof. W. R. Chedsey and Prof. C. Y. Clayton, by short talks, provided means to fill the gap caused by president Bornstein's absence at the hotel dinner Friday evening. Earlier in the day Director Chedsey had extended the hospitality of Rolla and the Missouri School of Mines to the members of the A. F. A.

The entertainment which followed the dinner found many Miners of all curricula besides the Foundrymen viewing in Parker Hall two entertaining sport reels. The "Points of Interest" tour scheduled for Saturday afternoon was not

held.

As a result of the splendid turnout at the convention, the A. F. A. St. Louis Chapter has been greatly encouraged and gratified, and it plans to make the regional conference an annual affair at M. S. M.

—M.S.M.—

THETA TAU

Continued from page one

brick, besides highly mechanizing the refractory plant and producing greater efficiency as a result. The Harbison-Walker East Chicago structure is the only continuous silica brick firing plant in the United States.

The Harbison - Walker Company is the world's largest producers of refractories, the films noted. Possessing 32 plants in the United States and extensive deposits of fire clay, silica, magnesite, chromite, and other materials throughout the world, it is well prepared to lead in the production of better refractories.

Mr. Cobough was narrator while the films were being shown and answered all questions that were put to him at any time.

—M.S.M.—

Patronize our advertiser.

NAVAL HUMOR

"I've got a pretty distasteful job before me," remarked the genealogist.

"Mrs. Newrich employed me to look up her family tree and I've got to inform her that one of her relatives was electrocuted."

"Why worry about that?" said his friend. "Just write that the man in question occupied the chair of applied electricity in one of our public institutions."

He: "Dogs like me. When I walk down the street dogs follow me—they walk up to me and lick my hands."

She: "Why don't you try eating with a fork?"

A priest offered 25 cents to the boy who could tell him who was the greatest man in history.

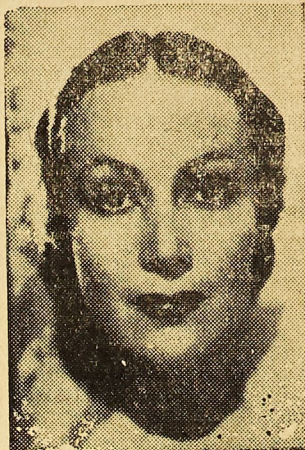
"Christopher Columbus," answered the Italian boy.

"George Washington," answered the American lad.

"St. Patrick," shouted the Jewish boy.

"The quarter is yours," said the priest, "but why did you say St. Patrick?"

"Right down in my heart I knew it was Moses," said the Jewish boy, "but business is business."



The love of DOLORES DEL RIO (above) for George Sanders may mean the firing squad for one of them, in the thrilling drama, "Lancer Spy." Rollamo Theatre, Wednesday and Thursday, Oct. 20 and 21.

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...don't we*

*You bet
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with smokers...giving them the kind of a smoke they want...in the way they like it best.

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