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The Missouri Miner, November 12, 1947

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EDITORIAL

NEED FOR
IMPROVEMENT

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THE MISSOURI MINER

Missouri School of Mines & Metallurgy

VOLUME 34

ROLLA, MO., WEDNESDAY, NOV. 12, 1947

NUMBER 8

General Lectures Brings Ballad Singer To MSM

CONCERT DRAWS CROWD
DESPITE MID-TERMS

Susan Reed, 20 year old ballad singer from South Carolina, one of the newest and most captivating stars of the music world, appeared in Rolla yesterday afternoon at 4 PM to give a concert in the Uptown Theater under the auspices of the General Lectures Committee. Miss Reed has gained nationwide prominence for her singing of the traditional ballads of the Appalachians, Ireland, England and Scotland, and she is the only girl in the galaxy of new ballad singers who have captured public interest.

Miss Reed brings an enchanting personality and a voice "pure as spring water" to the recital platform and she plays her own accompaniment, alternating on several instruments including the Irish harp, the zither and the "ever-lovin'."

The pretty redhaired girl is the discovery of Barney Josephson, proprietor of the famous New York night club, Cafe Society, where she made her first appearance. It was while singing at Cafe Society that she became a major attraction in the entertainment world and won national publicity in Life, Time, Newsweek, Vogue and many other publications.

She made her concert debut in New York's Town Hall last winter and later appeared in Chicago at which time Claudia Cassidy, critic of the Chicago Tribune reported, "She creates a pool of enchantment . . . and is the heroine of every song she sings."

Miss Reed's repertoire includes more than 300 traditional songs, many of which she has recorded for the Library of Congress. She also makes records for RCA Victor.

Alan Lomax, folklorist and former director of folk song archives at the Library of Congress, in an introduction to Susan Reed's programs, says this young personality continues one of the great Anglo-American traditions.

"This tradition," says Lomax, "came across the ocean and settled in our hills, took on its color from the smoky blue of the Blue Ridge and from the white fog that curls around the edges of the mountains in New England."

"Susan Reed sings in this tradition because she comes from Carolina with the tradition. She brought it with her to New York. It's native to her. She followed it up in books, and by following the singing of the great ballad singers. She is that tradition of comic, tragic, lyric song . . . She is the pretty fair maid singing in the garden . . . the princess in the high dark tower, singing by herself, locked away from her love . . . the bouncing British barmaid, serving out the songs and the winks and the tankards of ale in the British pub . . . the pioneer girl singing in the wilderness, singing to the children singing in the long, lonely evenings of the frontiers."

JOHN HAKE, SENIOR MINER DIES SUDDENLY OF HEART ATTACK

John Gordon Hake, age 28, a senior in the Mining-Geology Department of M. S. M., died of a heart attack Sunday morning at ten o'clock at his home, 407 West Second Street.

Hake, a veteran of the war, served in the Army Quartermaster Corps and received his discharge in 1945. He is survived by his wife and seven year old son. His body was returned to his home town, Platteville, Wisconsin, on Monday.

SPRINGER TO PRESIDE AT MO. ACADEMY OF SCIENCE STATE MEET

The annual meeting of the Missouri Academy of Science, College Section, will be held this weekend in St. Louis. Harris Teachers College is playing host to the meeting, the sessions of which are to be held in the Shaw Methodist Church.

It is a custom with the academy to have one state meeting a year at which time the members of various local chapters throughout the state may exchange ideas with each other. At the present time there are only six schools on the membership roster, the majority of which are in or near St. Louis. The member schools are Harris Teachers College, St. Louis University, Lindenwood College, Maryville College, Fontbonne College, and Missouri School of Mines. There is a movement underway to bring more schools into the academy, especially in the middle portion of the state.

MSM Student to Preside
Last year's meeting was held here in Rolla in conjunction with the Engineers-Parents Day. At that time one of the local students was elected President of the College Section for 1947, and as a result he will preside over this year's meeting in St. Louis.

Three students will represent Missouri School of Mines at this year's meeting. Fred Springer will preside over the meeting as president of the section. Ralph Johnston, Vice-President of the local chapter, and Erwin Schowengerdt, Treasurer of the local chapter, will also attend the meeting. The three Miners attending the meeting have collaborated on a report which they intend to give at the meeting, which is entitled "Surveying." Fred Springer will give a report on "Science and Its Organizations."

PEP PARADE GREET ALUMNI AT TRAIN IN PRE-GAME PROGRAM

The Homecoming Bonfire and Pep Rally drew a big turnout last Friday night when the Pep Band turned out at nine o'clock to meet the train from St. Louis, and to welcome the incoming alumni and guests to Rolla and the School of Mines. The usual parade preceded the bonfire. Dean Wilson gave a very heartwarming talk as the group stopped in front of his house, expressing his confidence in the fact that the Miners would, this year, break the jinx of never winning a Homecoming game.

New Cheers
At the bonfire cheerleader Martin came up with two new yells which seemed to strike everyone's fancy. They went like this: "Pick and Shovel, Diamond Drill, Who'll win? The Miners will!" and "Mining - Civil - EE - Chem, Rah-Rah-M. S. M."

The free show at the Uptown proved popular with the Miners who filled the theatre. The feature picture was something about Henry Hawk, while the extra was "It's a Wonderful Life" with Jimmy Stewart. Every Miner there seemed to have enjoyed himself, a sure sign that they appreciated Mr. Carney's work and time spent in obtaining and giving these free shows.

The Miner had caught his buddy tenderly embracing and kissing his girl. There was a lapse of silence and then he said: "I don't mind your necking my girl, but take your hands off my fraternity pin."

OLD FRIENDS MEET



Scene in Parker Hall Saturday morning as alumni from all over the nation conveyed to this spot to register for the annual MSM Homecoming celebration.

These men returned to find a larger enrollment, a football victory instead of the usual Homecoming defeat, temporary buildings everywhere and, possibly, a more serious, subdued, student body, but the same campus, the same high standards and many of the same professors.

THETA TAU SMOKER FEATURES TALKS BY LLOYD AND SCHLECTEN

The famous speaking team of Lloyd and Schlecten were featured at the Smoker held last Wednesday evening, November 5, by the MSM Iota Chapter of Theta Tau, National Professional Engineering Fraternity, in the Club room of the Metallurgy Department. Theta Tau President Jim McGovern opened the formal portion of the smoker by introducing Professor Lloyd, head of the Humanities Department and one of the Theta Tau Faculty members. His talk was on the unusual conditions prevailing on the MSM Campus which tend to develop "poise" and "initiative" advantageous to beginning engineers after graduation. The second member of the team, Professor Schlecten, of the Metallurgy Department, then took over and added a few remarks of his own.

The purpose of this smoker, in line with those of Theta Tau, was to help acquaint the outstanding figures on the Campus with Theta Tau, and in turn, Theta Tau with them, with prospective pledging in mind. The membership of Iota Chapter is limited and word is now being awaited from the National Office on the number of undergraduates that may be added to the already full quota of the chapter.

GALLIUM TO BE TOPIC AICHE TALK THURSDAY

The regular meeting of the Student Chapter of the American Institute of Chemical Engineers will be held at 7:30 P. M. Thursday, November 13, 1947. The guest speaker is Mr. Francis O. Rodrique, a senior student of Chemical Engineering who is to be graduated in June 1948. The subject of Mr. Rodrique's talk is "Commercial Production of Gallium". Mr. Rodrique worked last summer for the Eagle-Picher Company of Joplin, Missouri. There he was employed in the rare metals research department. Previous to that he worked with Atlas Powder Plant, also at Joplin, running control tests on T. N. T. Mr. Rodrique attended Joplin Junior College for two years before coming to M. S. M. A thirty minute sound film titled "How Fires Start in Industry" will be shown during the evening.

All students of Chemical Engineering and any one else interested are invited to attend. Attention Chowhounds! Refreshments will be served.

If you think the Rolla sunset was red the other night, you should have seen the faces of Mr. and Mrs. Sabo when they walked into Mr. Eck's calculus class two hours early the other day.

IGOR J. KARASSIK TO SPEAK TO ASME ON POWER PLANT PUMPS

The next meeting of the MSM branch of the American Society of Mechanical Engineers will be held Nov. 18, at 7:30 PM in Parker Hall. The guest speakers of the evening will be Mr. Igor J. Karassik who will speak on the subject of boiler feed pumps within the power plant cycle and the effect of present day metallurgical developments on feed pumps.

Mr. Karassik is at present Application Engineer of the Worthington Pump and Machinery Co. at Harrison, New Jersey.

Mr. Karassik was born in Russia in 1911, went to grade school in Constantinople, Turkey and graduated from high school in Paris, France. He came to America in 1928, and graduated from the Carnegie Institute of Technology in 1932 with a B. S. in Mechanical Engineering. He received his M. S. in 1933 and was a member of Tau Beta Pi, Pi Tau Sigma, and Sigma Xi, a research honorary fraternity.

A Pump Expert
He entered the employment of the Worthington Pump Co. in 1934 as assistant to the Consulting Engineer on Centrifugal Pumps. For a year he was engaged in research and design work on single and multistage centrifugal pumps. During this time he designed a model pump for the Metropolitan District of Los Angeles Aqueduct project.

For the next three years Mr. Karassik handled the application of the complete line of Worthington Centrifugal pumping equipment. Beginning about 1936 he specialized in the application of high pressure pumps for industrial and power stations, and assisted in the preparation of specifications for such equipment by consulting engineers.

Power Plant Cycles
For the last six or eight years his work has also included the development and design of new power plant cycles and new control systems, two fields in which he holds several patents. Since 1940 over 120 of his articles have been published in professional and technical magazines.

In 1940, 1942, and 1944 Mr. Karassik received first prize in the Hydraulic Institute annual Engineering Essay Contest.

A man with a background like this certainly should prove well worth listening to. All members of ASME and other interested students are invited to attend this lecture.

Lady (to new milkman): "How much is the milk bill?"
Milkman: "Excuse me, lady, but my name's Joe."

She: Your hands are so delicate they should be on a girl.
He: O. K., sister, you asked for it.

Co-op Stock Raises To \$13 Effective On Opening Date

C. W. FUNK, GRADUATE
STUDENT AT MSM, WINS
LUDLOW-SAYLOR AWARD

The Ludlow-Saylor Fellowship in the Department of Metallurgical Engineering at the Missouri School of Mines and Metallurgy has been awarded to Campbell W. Funk of Galveston, Texas. This fellowship, which carries a stipend of \$1,500 per year, has been established by the Ludlow-Saylor Company of St. Louis, well known manufacturers of wire cloth.

The manufacture of wire cloth from steel, bronze, brass, monel, and other alloys involves many metallurgical problems that have never been fully investigated. The Ludlow-Saylor Company is sponsoring research work in this field in the belief that accurate scientific data will be of value to the whole industry.

Mr. Funk did his undergraduate work at the University of Arizona and the Montana School of Mines. He was employed by the Tin Processing Corporation before coming to the Missouri School of Mines. The investigation will be under the direction of Dr. D. S. Eppelsheimer of the Department of Metallurgical Engineering.

MSM STUDENTS HAVE FREE VOCATIONAL HELP OFFERED BY SCHOOL

Personality, interests, vocational aptitude, these and many other factors should be considered by the future engineer. A new department, the MSM Counseling Service, was established last year to render full time assistance to all MSM students in the field of vocational and educational guidance.

Two guidance specialists on the staff of MSM are rendering educational and vocational guidance services to many students each semester. These two men, James R. Pollard and J. T. Winslow, are professionally prepared by training and experience to deal with guidance problems.

Any student who is desirous of finding out something about his ability to do college work, his aptitude for engineering and other occupations, can obtain extensive information in this area at the Counseling Service. Each student usually is given standardized tests that apply to his individual problem. Along with these tests, personal counseling is necessary in order to obtain pertinent information that may have an influence on the problem of the student. This material, including test results, is discussed thoroughly with the student so that he will know as much as possible about his abilities in various occupational fields.

Open to Non-Vets
Every effort is made to assist any student with any problem that he may have. There are students (both veteran and non-veteran) in the office each day checking themselves for possible causes of academic difficulty. This is not the sole purpose of the Counseling Service but is an important part of the entire program.

An occupational information library is maintained in the Counseling Service office with information available concerning most of the major fields of work. This material is available for any student who might be considering an occupation and feels in need of additional information about the fields in question.

All students, both veteran and non-veteran are welcome and eligible for the advantages of this service. The Counseling Service offices are located in the rear of the Veterans Administration Guidance Center Offices, Room 10, Parker Hall.

TUBERCULOSIS UNIT
TO TAKE FREE X-RAYS
HERE NEXT THURSDAY

Tuberculosis in the lung can be found long before you feel sick. An X-ray picture of the chest and an examination by a good doctor will tell whether you have tuberculosis. If the disease is found early and treatment is started at once, recovery is relatively early. If the disease is not discovered while in the early stages, treatment is not always successful.

The State Board of Health will have one of its mobile units on the MSM campus Thursday, November 13th and Friday, November 14th. This unit will be located in the parking area next to the school cafeteria. The unit will be open from 9-11 a. m.; from 12 noon-2 p. m.; and from 3-5 p. m. on each of the two days mentioned above. Any student of MSM will be welcome to go to the unit to have a chest x-ray. Each interested student will fill out information cards ahead of time and their x-ray will require less than 30 seconds and will not require removal of clothing.

A Free Service
The x-ray pictures obtained offer an opportunity for early detection of a number of disorders including diseases and disorders of the heart, lungs, and circulatory system. This service is being offered at many places throughout the state of Missouri and is being taken advantage of by thousands of citizens. There is no charge of any sort.

Wives of MSM students are also eligible for the chest x-rays, but they are asked to have the x-ray made when the mobile unit is located in downtown Rolla beginning on Monday, November 14th.

The chest x-ray service is purely voluntary. It is, however, generally recognized as being a very worthwhile service and one which may be very valuable to the individual concerned. If you desire this service you should fill out an application card at Dean Williams' office as soon as is conveniently possible. You may report to the mobile x-ray unit at any time convenient to you during the specified times on November 13th or November 14th.

ASCE TURNS OUT EN MASSE TO HEAR TALK ON CONCRETE DESIGN

The attendance at the M. S. M. Student Chapter of the American Society of Civil Engineers' meeting Wednesday night was again most gratifying.

Robert Kendall, M.S.M. 1947, was elected Junior Contact member in the short business meeting held prior to Mr. Crawford's talk. Possibilities for a "beer bust" were discussed.

Mr. Ivan C. Crawford, Jr., instructor at M. S. M. from 1939 to 1941, was the guest speaker. He received a B. S. in Civil Engineering from Idaho University in 1937 and a Master's from Kansas University in 1938. Since 1943 he has been doing structural work for the Portland Cement Company of St. Louis.

Mr. Crawford's talk was on "Modern Concrete Design." He gave a complete background of designing factors and then, with the aid of slides illustrated various types of concrete structures.

Of special interest was the Elliott house of New York City, built without slabs or joists, and the tilt-up method of construction. By this method the walls are poured in sections, horizontally on the floor, and then tilted up into vertical position.

Refreshments were served after the meeting.

TO OPEN FOR BUSINESS
MONDAY, NOVEMBER 17

At the last meeting of the Board of Directors there was declared a surplus, due to the appreciation of assets, of \$400 which will result in an increase in the book value of the stock. This increase amounts to about four per cent and changes the book value from \$12.50 to approximately \$13.00 per share which will be effective November 17, 1947. The Board of Directors emphasize, however, that it is not the purpose of the organization to realize a profit and after the store is in operation, the better the management, the less return to the stockholders, since the "profit" wanted most is the savings made on the purchase of groceries and meats. Stockholders should also be reminded of the corporation by-laws which prevent any shareholder who is not leaving school permanently from redeeming his stock, although if he does leave MSM permanently, it is definitely not a must that he sell his stock. There has been approximately \$11,000 received for the sale of stock to date.

Opening Date Set
Although there was an increase in the number of voluntary helpers during the past week, it was not enough to finish the construction and paintings which must be completed before the store can open. As a result of the hard work done by the few who have donated their time, the opening date has now been set for Monday, November 17th.

With the exception of a butcher, all of the permanent positions required in the operation of the store have been filled. Mr. Klug, the manager, has interviewed several applicants for this job and will hire the butcher this week. Applications for part time jobs have been received and priority is being given to those men who have shown their interest in the success of the Co-op by donating time and tools in the construction work done in the store. There is a special part time job available for a student with a car or truck to make daily deliveries to the fraternity houses. This job will gross \$50.00 to \$60.00 monthly for approximately two hours work per day.

Cards to be Issued
Stock certificates and commissary cards will be given to shareholders on opening day of the store. Positive identification will be necessary. All certificates and cards which have not been picked up at the store before Thursday, November 20th will be mailed to the stockholders. Purchases will be made by cash only and will be credited to the number appearing on the commissary card of the purchaser. Rebates will be made according to the sales credited to the commissary card number.

Only two things can keep stockholders from buying groceries at the Co-op net week; 1) you must have cash, and 2) you must have your commissary card with you for every purchase.

WHAT WHERE & WHEN

Thursday, November 13
American Institute of Chemical Engineers Meeting at 7:30 P. M. in room 103 Old Chem Bldg.
Glee Club Practice at 7:00 P. M. in room 104 Norwood Hall.
University Dances meeting at 7:30 P. M. in Auditorium, Parker Hall.

Friday, November 14
Blue Key meeting at 7:00 P. M. in club room, Met. Bldg.

Saturday, November 15
Sigma Pi Gay Nineties Dance, Chapter House.

THE MISSOURI MINER



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Room For Improvement

In the past year, the School of Mines has undergone a huge increase in enrollment. Accompanying the rise in enrollment were many problems: housing, classroom facilities, and the like. Many problems were solved within the course of the last year. Others were seemingly overlooked in the rush.

The Mechanical Engineering Department at MSM has shown a steady increase in size for many years. In 1930, M. E. students represented 8.5% of the total enrollment. The percentage steadily increased until, at the present time, the more than 530 students in that department comprise about 20% of the student body.

It would be thought that, in view of a steady yearly increase in the number of M. E. students, plans for expansion of the department would have been started long ago. No improvements were exacted, however, and the situation is now becoming critical. The two Senior courses in Power Plants Laboratory were dropped from the schedule this semester due to inadequate facilities, and now the two junior courses are threatened. Next fall will find the large Freshman class of a year ago attempting to schedule these courses, and the situation should prove impossible.

At present, the most urgent need of the M. E. department is more space. A reasonable supply of equipment is on hand, including a complete Westinghouse Pack Power Plant, a quantity of internal-combustion engines with generator units, and a diesel unit. Most of this equipment has remained in the crates for lack of a place to be set up, of no benefit whatever to the M. E. students. The greatest percentage of these students are totally lacking in any practical application of their text-book education. At present, the M. E. department has approximately 2700 square feet of floor space available for a Power Plant Lab. Less than half of this space is suitable for the erection of machinery. The pack Power Plant alone would require a minimum of 40 square feet space. It is estimated that 7000 square feet of space would be needed to set up a normal-size laboratory.

There has been some talk that the Old Power Plant would be turned over to the Mechanical Department when the equipment has been moved to the new building. This would provide much of the needed space. It is doubtful, however, that it would be entirely adequate, since much of the Old Power Plant space will continue to be occupied by old equipment held in reserve for emergency purposes. In addition, the transition from the Old to the New Power Plant has been slow. If it is not possible to speed this process, some type of temporary structures should be erected to house the available equipment, rather let it remain for another year in its present useless state.

Improvements and provisions are needed immediately. The Mechanical Department has, by far, the most inadequate facilities, in proportion to its needs, of any department on the campus. If only in view of the major enrollment in this department, corrective action here should be of primary consideration in the school improvement program. The School of Mines can acquire a bad reputation from such conditions in this department as easily as they can attain recognition for excellence in other departments.

ESQUIRE PHOTO STUDIO

Ray Grass, Prop.

Photographer to the Miners

708 Pine

Phone 535

Off The Campus

Kappa Sigma

Homecoming weekend found Kappa Sigma the scene of a very enjoyable three days. The celebration of Homecoming, which started with the Pledge dance Friday night and lasted through Sunday night provided everything a successful Homecoming could; reunion of old friends, making of new ones, and in general that old camaraderie that prevails when MSM men, past and present, get together.

Members of Kappa Sig especially got a kick out of the "old grad" talk heard around the house. And brother if you think we have a sharp crowd around here now, you should hear some of the stories told Homecoming.

Dates down for the weekend were: From St. Louis—Nancy Grider, Betty Myrick, Imogene Hobelman, Betty Thorpe, Audrey Horst, Jackie Motherly, Beverly Rolf, Joanne Neudeck, Alleen Schwarz, Mary Rogers, Shirley Jost, Betty Doerres, Elleen Dooley, Helen Meister, Helen Thore, Dorothy Scheips, Mary Lee Hamilton, Wilda Crane, Joanne Foster, Ruth Bartels, Lee Becker, Helen Stahl, Shirley Ewers, Betty Will, Fran Rosel, Leola Feldt.

From Rolla—Betty Parmenter, Jackie Carson, Dorothy Walrath, Joanne Underwood, Margy Crawford, Anne Lee Win, and Pee Wee Tucker.

Pat Parks, O'Fallon, Ill., Mary Bob Gladden, Waynesville, Mo., Charlotte Baum, Springfield Mo., and Dorothy Kapp, St. Charles, Mo.

Gamma Delta

The regular Sunday evening meeting of Alpha Phi chapter of Gamma Delta was the scene, November 2, of the initiation of twenty-one new members. Those welcomed into the chapter were:

George Young, Ray Kline, Harold Kneuppel, Eugene Hohlfelder, Vernon Gerler, Sam Malone, Richard Mallon, Gene Blendenmann, Harry Moy, Paul Gutzler, Ralph Knoerschild, Eugene Kofb, Paul Haas, Arthur Sundholm, Harold Geidel, Donald Schmidt, Harlow Keiser, Calvin Ochs, Karl Eissinger, Donald Wycisk, and Melvin Buettner.

Final plans were made for the delegation from Missouri School of Mines to attend the national Gamma Delta convention. The convention of the sixty-four Gamma Delta chapters will be held next week-end at the University of Nebraska in Lincoln.

Lambda Chi Alpha

The Lambda Chi drop-in Saturday night took on all the aspects of a big dance later on in the evening. A group of merry-makers, led by Jack Masterson and Ken Niewoehner (believe it or not), sang all the songs which have been on the Theta Tau hit parade for the past ten years. The party was such a success that one or two of the fellows found it advisable to retire earlier than expected.

Among the returning Alumni were: Paul Rothband, J. E. Ebmeyer, Arthur Meenen, Bob Murphy, Gene Lavat, Buddy McBride, O. B. Needham, George Fort, and Carl Finley. Carl finally decided to break up with Beaudette when he found out that while he was away she had gotten married and had a baby. You just can't trust these women!

At the present time an attempt is being made to obtain a select orchestra for the Harvest Dance. Most of the other preparations have been made, and all who attend should have a howling good time.

Kappa Alpha

The KA's joined with everyone else last weekend in having a wonderful time. A stag party was held at the chapter house on Friday evening at which time many

of the alumni met with old friends and made some new ones. Those present for the get together were: George A. Easley, '07; F. S. Elfred, '17; Wm. M. Taggart, '20; Richard W. Mellow, '17; George E. Mellow, '18; Albert E. Barnard, '27; John R. Kenney, '12; M. P. Brazill, '20; and T. C. Gerber, '27.

A large group went to the school alumni banquet Saturday evening. That evening saw the house again buzzing with activity as everyone began to prepare for the Homecoming Dance at the school gym. All in all, we would say that everyone had a wonderful time.

Chi Sigma

The Pledge class, last week, held another meeting, the outcome of which was a challenge to the actives for a touch football game. They will be sorry for the losers must toss a party or like entertainment for the winners. A new pledge, Jim Tankersley of Caruthersville, Missouri, was introduced to the class. Welcome Jim, we are glad to have you with us.

We can't say exactly how things turned out this past week-end, but big plans were made for it. After a terrific time in Springfield for the football game, many of the fellows were warmed up for Homecoming. Beautiful women from St. Louis and surrounding villages were expected to brighten the lives of lonely Chi Sigmas. One of our members, though, deserted Rolla for Mexico, Missouri. We know you had a good reason, Len!

Walt Shute, Len Kane, Bill Simpkins, and Jim Mueller visited the Xi Xi chapter of Sigma Chi at Missouri University a week or so ago. Jim Mueller is a Sigma Chi attending school here, and he is as anxious as we are to establish a chapter on the MSM campus. Naturally, before we go Sigma Chi we must have the sanction of the group at Mizzou. They intend to send representatives here before Thanksgiving so that they can determine the strength and position of our group in relation to other campus organizations. Following that we will officially petition the national executive committee of Sigma Chi at Chicago for a charter.

Theta Kappa Phi

"Man what a party," was the way some of the guests described the gala affair held at the Theta Kap House during the Homecoming weekend.

A few of the Alumni who added gaiety to the celebration were Bob Meiners, Bob Klorer, Ed. Goeteman, Pete Des Jardins, Steve Salarano, Al Thorwegan, Bill Hermann, Bill Henne, Ralph Nuelle, Phil Dampf, Jim Murphy, Vince Picco and G. Axmacher. These along with many others, including the dates of the brothers and pledges joined in making it become a never to be forgotten homecoming.

On Saturday afternoon everyone proceeded to the football field to watch and cheer brothers Big Jim McGrath and LeRoy Markway to one of the most outstanding victories of the season. In conjunction with this, everyone was very proud of the way brother Tom Hermann crossed the finish line with a good one hundred yards lead in the cross-country race.

That evening we were all congratulating Tom again but this time it was for his "pinning" a most wonderful girl, Miss Mary Margaret Finan of St. Louis. Tom is to be both envied and congratulated for his wise choice. Of course this means cigars Monday night.

Tau Kappa Epsilon

The TEKE's first homecoming dance is just a memory now, although this memory may be a headache (better known as a hang-over?). The shindig out at Ye Olde Pennant Tavern Saturday night was tops as far as the chapter members were concerned. Comments from members of other fraternities present indicated they weren't bored either. Such a gorgeous selection of beauties has seldom been seen by these eyes in one place in Rolla before.

The big banquet before the dance was a gourmet's delight. The price may have been a little steep, but the food was very tasty. The table decorations of a swan and flowers carved out of ice by some inspired soul were indeed objects d'art. All the boys looked mighty snazzy with those red carnations decorating their lapels.

Many of the fellows started their Homecoming celebration at the game. Some were noted to be very well insulated from the cold wind by a goodly portion of anti-freeze.

The hit of the evening was the punch that was served. Bowl after bowl of this delicious beverage went the way of all good punch. Among the bevy of bashful babes we were able to secure names (and a few phone numbers) of the following: Misses Betty Ragsdale and Yvonne Hyder of Springfield; Lila Goemann and Mary Ann Pinal of Concordia, Mo.; Misses Doris Bollwerk, Frankie Hoefer, Ann Rottjakob, Yvonne Duncan, Alice Rochelle, Helen Boggs, all of St. Louis; Judy Kelly, Betty Parmenter, Olive Whitaker, Mary and Micky Clare, and Virginia Plank from Rolla. The Mesdames George Howes, Tony Galletta, James Schaffrodt, Keith Short, Robert Shroyer, Gene Peterson, Walter Wallace, Bill Winters and Fred Winters were also having a swell time. Bob Eggeman was about the luckiest guy there, what with his dragging petite, pert, and pretty Doris Rexford—and various other accomplishments.

The chaperons for the party included Mr. and Mrs. David Mitchell, Dr. and Mrs. John Hill, and Mr. and Mrs. Smith Gaddy. The members also wish to thank Mr. Ray Grass for the numerous pictures taken during the evening.

Pi Kappa Alpha

Homecoming brought many alumni of our chapter back to the campus for a visit. Those present for the celebration and who stopped by the chapter house were: Mr. William Weigle, class of '20; Mr. Ben Cornwell and wife, Mr. John Hosterman, and Mr. Bruno Rixleben, all of the class of '22; Mr. Jim Glover and wife, class of '40; Mr. Al Iterman an wife, class of '44, and Mr. Bob Murray, class of '46.

Chem E: They tell me in China you can get three pounds of imported Swiss cheese, a case of beer, a quart of whiskey and a wife for five bucks.

Civil: I'll bet it's lousy whiskey.

For All

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SPECIAL

GIFT SUBSCRIPTION RATES

The Marriage Ring

At the next Dames meeting, November 13th, there will be a style show. Various dress shops in Rolla have cooperated in lending their garments to the Dames for the show. The committees have worked hard to make this show a success, and we hope to see a big crowd there. All student wives and their husbands are invited, along with members of the faculty and Rolla merchants. There will be a short business meeting after the style show, at which new officers will be elected. Only paid-up members are entitled to vote. Please have your membership cards with you for this important meeting.

Attention Drama Club Members

There will be a special meeting Monday night, November 17. The "mellordrama" has been received, and all girls wishing parts are urged to be on hand at the meeting. There are some juicy roles waiting for you gals.

A new shorthand class is being started, and will meet every Wednesday night at 7:30 p. m. in Room 108 Norwood Hall. The first meeting will be November 19th. There is no charge for this class, but every girl is required to have a Gregg shorthand book, available at Scott's Drug Store. The class will be divided into a beginner's group and an Advanced Group.

Social Notes

The bridge season is in full swing again—or did it ever stop—and the clubs seem to be getting larger and larger. Lorraine Johnston entertained her group last Wednesday night (three tables), and even with all the competition, Mary Carney came out tops. There was a lot of competition for booty, naturally, but Helen Hartman stuck to her guns

and was the winner of that coveted prize. Over at Betty Wallace's the same night, we found two tables of little beavers, with Doscia Lindquist winning the home-made strawberry preserves (pure luck on her part), and Carol McGuire winning the low-score prize.

It seems that every week we have someone who is about to be "among the missing." This week we find Pearl Toth about to take off for her home town of Bonne Terre, Missouri to await her big event due in January. Gloria Winters is another soon to "flee for home" for the same reason. No need to say these girls will be sorely missed by all their friends. Little did we know when we reported MSM "R" Apartment's Halloween party last issue that the excitement of a fire had topped off the evening. Fortunately, no serious damage was done, but the party-goers were certainly burned up about the whole thing.

University Dames to Present Style Show

The University Dames will meet November 13, 1947 at 7:30 PM in Parker Hall. With the co-operation of the Rolla merchants a style show will be presented and you will see "around the clock" styles with that "new look." Any student's wife, mother, etc., is invited to attend. And girls, if your husband is interested in finding out what we mean by that "new look" bring them along, they're invited too. Following the style show the Dames will have a business meeting and hold election of officers. All members in good standing are eligible to vote including those paying dues that evening.

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SPORTS PAGE

Intramural Sports

Intramural Champ



Bob Morlock, of Theta Kappa Phi, pictured with the trophy awarded him by the "M" Club as the outstanding intramural athlete of the 1946-47 school year.

Intramurals Shape Up

The intramural program here at M. S. M. is moving along at a rapid pace. With the table tennis and cross country past, the intramural race is beginning to shape up.

The events coming up in the near future are the following: Football is moving along rapidly with the first round being finished Monday. They will start playing every day now that football for the varsity is over. While football is still going on swimming will take place on November 19, 20 and 21. The prelims will take place the 19th and 20th with four men qualifying for the finals in each event on the 21st. On December the first, the basketball intramural league will get started. So by the first of the new year the race of intramural will be well underway and will be coming down the home stretch.

INTRAMURAL POINT

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Around The MIAA

One important game remains on the MIAA schedule, the contest between Cape Girardeau and Springfield. If the Bears come up with victory in this game, they will have taken the conference championship. If however, the Cape Indians are able to upset the dope bucket and beat the Bears, our own Miners will step into undisputed possession of the title.

Last Friday, the only conference game was the one between Maryville and Kirksville. Maryville soundly walloped Kirksville, 22-6. This pushed Kirksville down in the ratings, and elevated the stock of the Maryville representative a little. It was Maryville's game all the way. Kirksville was unable to do anything against a team that was showing its first real ability of the present campaign. If Maryville had shown the same wares earlier in the season, the conference race might have turned out differently. As it is, they shall probably have to be satisfied with third place.

Somehow, a false rumor was started Saturday to the effect that Warrensburg had beaten Springfield 7-0. Although this would have been welcome news to the Miners, it was wrong. The actual final score was 13-0 in favor of the Bears. Warrensburg put up a good battle, but the Springfield power soon became too much for them to handle, and the score tells the rest. Springfield looked as if they were just a little overconfident, and were surprised at the opposition put up by a supposedly weak sister. If the same feeling of overconfidence goes into the game with Cape Girardeau this week with them, an upset could possibly result.

Here in Rolla, the Miners wound up their 1947 season with a decisive 47-19 trouncing of the Cape Indians. There could have been no doubt as to the outcome of the game from the opening gun. The Miners displayed the best balance of deception in the season, and although their power that they had yet shown

passing left something to be desired, it was very adequate. A couple of times, Cape showed that they were not a dead team, by combining accurate passing with some fine pass-catching to roll up two quick scores. After this, however, the Miner pass defense tightened up, and Cape did nothing of note for the remainder of the game.

As the conference season draws to its close, we are able to look back with a mixture of wonder and amazement. The Miners, who were picked by the majority of the people to be weak sisters, turned out a very fine team that is still in a position to take the championship. Maryville, picked at the first of the season for the championship, bogged down badly from the outset, and has done well to be in third place at this writing. Springfield surprised no one. It was known all along that they had a powerhouse, and they still have the advantage over the Miners, by having another game to play. Kirksville, Warrensburg, and Cape Girardeau have done nothing of note, as was expected. Last years champs, Cape Girardeau, had a very bad season, not winning a game. Warrensburg and Kirksville have shown alternate flashes of good and bad football, but unfortunately the bad has outweighed the good.

I would like to be able to pick Cape Girardeau for this week's game with Springfield, but I cannot with a clear conscience do so. Although I hate to say it, I pick SMS by three touchdowns.

Conference Standings

Team	W	L	T	Pct.
MISSOURI MINES	4	1	0	.800
Springfield	3	0	1	.800
Maryville	1	1	2	.500
Kirksville	2	3	0	.400
Warrensburg	1	3	0	.250
Cape Girardeau	0	3	1	.200

Results of Friday, November 7

Maryville 22, Kirksville 6

Results of Saturday, November 8

MISSOURI MINES 47, Cape Girardeau 19

Springfield 13, Warrensburg 0

Games This Week

Cape Girardeau at Springfield

Warrensburg at Maryville

Miner Freshman Gridders



The Miner B football team, although defeated twice by the Washington "Bees" has shown great promise during the season. Aply coached by Bill Speice, the mainstays of the squad are, reading left to right: Top; Ryan, Wollert, Williams, Matson. Bottom; Maurer, Skalka, Mascari, Coolbaugh, Brown, Murphy, Sexton.

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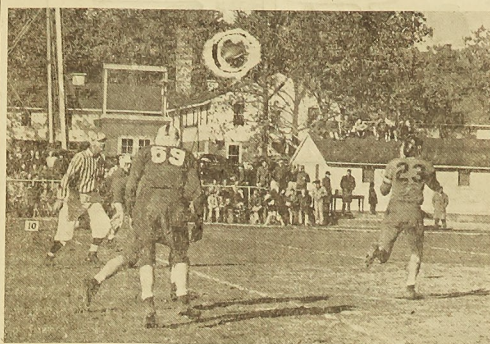
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Whitney, (No. 23), Miner right halfback, eyes the ball (in circle) as he races to snag the 30 yard pass from Kemper for the second score of the game.

-the SPORTS EYE-

by CHAPMAN



Bob Reichelt

The Sport's Eye's standout this week is Bob Reichelt, one of MSM's capable quarterbacks. In the last contest of this season, Bob played exceptionally good game during the last half. His apt ball-handling on the ground plays along with the hard running of McGrath, Kwadas and Schwartz accounted for good yardage in rushing and several touchdowns.

Bob returned to the squad this year after lettering the previous season. At 5' 10" and 155 pounds, he is one of the lightest men on the squad. Hailing from St. Louis, Bob is active on the campus as a member of the "M" club, AIEE, and the Engineers' Club. Only a Junior in the E. E. department, we are sure to see him in '48 helping the Miners to a championship.

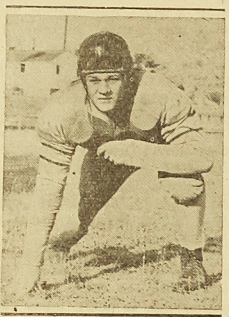
Roy Shourd

This week's standout is Roy Shourd, the Miner right tackle. Roy has played hard football for the Miners right from his first appearance last season.

Roy hails from East St. Louis, where he was born. He stands six feet, 3 inches and carries his 210 pounds to good advantage. No coach could overlook Roy as a valuable athlete. At East St. Louis High he lettered several years in football, basketball, and track. During the War he served as a Machinist's Mate 3rd class in the C. B.'s

He entered MSM in the fall of '46 and is majoring in Mechanical Engineering. He is a member of Kappa Sigma fraternity and the "M" club. Roy holds an in-

terest in sports, not wanting much more. Now a sophomore, we can look forward to seeing "Bear Tracks" helping the Miners for several years to come.



LUTHER STEELE

Luther Steele, a hometown Rolla man who now claims Springfield, Mo., as his home, is playing his second year of football with the Miner team. Long a standout on the Miner forward wall, Steele anchors the Miner line at right tackle. Luther is married, a Junior Mechanical Engineering student and a member of the ASME.

Bill Teas

Another experience Miner is Bill Teas. He was born in Rolla, but claims Freeport, Long Island as his home. He lettered at Presbyterian College in South Carolina. A senior Civil Engineering student, Bill hopes to go into road construction when he leaves the School of Mines. He is married and has a daughter.

R. C. Gauerke

Having lettered two years in football, Bud Gauerke returns again this year to the Miner squad at guard. Bud is another married man, with two charming daughters; he hails from Ixoma, Wisconsin. A senior "Mech", he is a member of SAME, being the Lt. Colonel in the ROTC.

Miners Scalp Cape In 47-19 Avalanche

By Bill Downey

The Alumni and students of M. S. M. saw what the world has been waiting for last Saturday afternoon as the Missouri Miners swamped the Indians from Cape 47 to 19. Many moons have passed since a Miner team last racked up such a score. The Miner fans were able to read the handwriting on the wall after the very first play, the one on which Paul Fullop raced 55 yards for a touchdown. The kick was missed, but as the band played the Rolla touchdown tune, the two teams squared away once again.

Rosin On The Bow

McGrath kicked to the Cape 20. Cape punted back to their own 41. McGrath moved the ball to the Cape 35. Whitney went around left end for a first-and-ten. Kemper-to-Fullop for five yards. Kemper-to-Whitney for thirty yards and another six points. Again the kick was missed and the two elevens battled back and forth for the remainder of the first quarter.

At the start of the second quarter Cape kicked to the 50-yard line. Those spectators who could still stand up, stood up on the next play to watch Jim McGrath plow a furrow through the Cape line and rush 48 yards to the Indian six-foot line. Paul Fullop went over a few seconds later for the touchdown, and this time the kick for the point was good to make the score read 19 to 0.

After McGrath's kick-off had been taken on the Cape 25 and returned to the 33, the Indians decided to make six points the easy way. Anderson completed two passes to Kempro which were good for a total of 68 yards into the end-zone. Several minutes later Cape was again in possession of the pigskin on their own 34, after the Miners had been forced to punt. Was the Indian passing attack really good or was the Miner pass defense just weak? The Miners didn't know and the Indians didn't care, so once again they took to the air to complete five passes out of seven attempts for a total of 69 yards and their second touchdown. Two incidents highlighted the few remaining minutes of the first half; the ancient Statue of Liberty play (which is almost as old as Stallman) was good enough to gain six yards, and on the last play of the period Neal Wood stopped Abernathy with a bone-crushing block that was felt by all present.

And Here We Go!

At the start of the second half the Miner touchdown machine lost no time in grinding out another score. After a sustained 60-yard

drive, fullback McGrath rushed around his own left end for the touchdown, and Dowling added the extra point. The drive for the fifth touchdown was started when Kemper intercepted a Cape pass and ran it back to the visitor's 45. In a rapid succession of plays Fullop gained five yards, McGrath carried the ball to the 25, Fullop brought it to the 10, McGrath moved it to the 3, and Dick Whitney went over the line for the fifth Miner touchdown of the afternoon.

Miners Tally Safety

McGrath kicked off for Rolla to the Cape 32-yard line. Anderson threw a pass, which was intercepted by Whitney, who ran 45 yards to give the Miner band another chance to play "I'm a Ramblin' Wreck." Again McGrath kicked off, this time to the Cape 33. In a flash, Cape did it again; Anderson passed to Kimbro for a touchdown and the kick was good. The score was Miners 39, Cape 19. Cape kicked off to the Miners, and Schwartz, Reichelt, Kwadas and Dowling moved the ball to the 25-yard line where the ball was lost on a fumble. After an exchange of punts the Indians found themselves in possession of the pigskin on their own 14. Cape attempted to pass, but the passer was thrown for a

(Continued on Page 4)



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Take It For Whatever It's Worth

by Harry Funk

According to William G. Carleton, member of the faculty of the University of Florida, college offers you these five great opportunities—professors, contact with fellow students, laboratories, a library filled with books, and "LEISURE TIME." The greatest of these is leisure time.

It is not strange that the greatest good provided by a university is something intangible—something that cannot be seen, something that cannot be written down in catalogues or reduced to clock hours, credits or degrees. Do the professors ever realize that leisure time is a priceless boon? Never again in your life will you have time to browse, to create, to construct. Do they ever realize that theirs is not the only course being taken, that you have other subjects which require as much time as theirs? Do they realize that some leisure time is that priceless boon. I'm sure you will agree with me that those educators who want to put you in a straight-jacket and make you account for every minute of your waking hours, don't want a college they want a REFORMATORY.

Is it true that what the professors can give you in any subject is limited—limited by the inability of any man however great his sense of the vacuous, to impart but a small fraction of his knowledge and experience; limit-

ed by the formal nature of the student-teacher relationship; limited by the professors' own talents and background; limited by cultural and traditional restraints. Some of these limitations are unavoidable, others, I wonder... Should there be such a formal nature of the student-teacher relationship? If teacher and student become too familiar we attain the attitude that the student is obtaining grade points. Either side of the argument we take we come upon a stone wall, never being able to advance a step without going to either side. But should there be such a "Stranger" attitude between student and teacher? Couldn't the student and teacher meet half way? I'm sure many of the men are more than willing to meet the professors on this basis, but that little something is missing to set the spark for this arrangement. Again, the argument will go to a stand still, with one side waiting for the other to move first.

The most gifted of professors can give you little real insight, understanding, ripeness of judgment, or wisdom. These are the results of living, countless contacts with men and events, wide experience, travel, observation, the reading of great books, the doing of great ideas, thinking and acting in real life situations.

The library, even in this scientific age, is the students' chief source of knowledge. A college library is truly a wonderful place. There you can find almost all the ideas that men in all times and places have thought—the ugly and the beautiful, the foolish and the wise, the grotesque and the sensible, the curious and the useful. There you can re-live the life history of the race—the story, still unfinished, of man's slow groping toward civilization.

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SADDLE PAIS

RAILROAD MATERIALS FAILURES TOPIC OF MECHANICAL MEETING

Members of the MSM branch of The American Society of Mechanical Engineers, and guests gathered in Room 103 Old Chem. Building last Thursday, Nov. 6 at 7:30 P.M. The speaker of the evening was Mr. Max Herzog, Chief Chemist of the Frisco R. R., who spoke on the practical testing materials used by the R. R.

Mr. Herzog stated that the failures that caused the most trouble were those that were due to internal stresses in the parts, which were impossible to calculate. These failures start with small imperfections, not visible to the naked eye. Properly designed parts do not break suddenly across a whole cross section. The small imperfection increases in size due to the repetition of a load on the part, the cross sectional area decreases and finally the part fails in a manner called fatigue.

Failure of parts in rolling stock of a railroad usually result in loss of life or expensive damage to the train. This makes it necessary to detect flaws that may cause failure, before it actually happens.

Failures are not always caused by flaws, but may be caused by sharp fillets or corrosion. The failures due to sharp fillets can be eliminated by a slight change

in the design or part. Sharp fillets set up stress concentration in the part and it has been found that this stress can be counteracted by a groove cut adjacent to the fillet. Failure caused by corrosion can be counteracted by a protective silicon paint.

It was found that failure in rails usually resulted from fissures inside the rail that were increased by repetition of a load. A method was devised to locate the fissures by which a Sperry car traverses the rail, passing a current through it. A recording instrument inside the car draws a graph by which any flaw can be detected, by men experienced in interpreting the graphs.

Other methods have been devised to detect various kinds of flaws before they can cause fatigue failure and the resultant loss of life or extensive property damage. Usually about 6% of the 7% of the defective parts found can be salvaged before they fail and cause damage.

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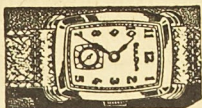
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MINERS WIN, 47-19

(Continued from Page 3)

six-yard loss by Eckert and Markway. On the next play as Cape tried to punt, Eckert and Shourd tackled the ball carrier in the end-zone for a safety (two points for Rolla).

Probably the surprise of the day was the next play. After the safety, Cape kicked off from their own 20. Ed Kwadas received this kick on his own 45-yard line and brilliantly navigated the 55 yards for the seventh Miner touchdown. Calvin Duke put the final damper on the Cape passing attack by intercepting two passes in the last few minutes of play.

A Strong Comeback

For a team which started out so miserably, the Miner eleven had a magnificent come-back. The debacle at St. Louis and the wash-out at Memphis had made even the most optimistic a little doubtful. The inspiring game played against the Maryville Bearcats had a great deal to do with turning the tide. Neal Wood has received his due credit for the admirable part he played in this victory. The defeat of Warrensburg added confidence, and the trouncing of Kirksville raised hopes of an M. I. A. championship. Any comment on the Springfield contest is better left unwritten. The game last Saturday proved the power of the Miner team to one and all. To those players who are taking off their jerseys for the last time go the best wishes of the student body. Those who will return to the gridiron next fall are backed up by

the confidence of everyone connected with M. S. M.

SCORE BY QUARTERS

Team	1	2	3	4	
Miners	12	7	14	14	47
Cape	0	0	12	0	12

Touchdowns: Rolla: Whitney (3), Fullop (2), McGrath (1), Kwadas (1); Cape Girardeau: Kimbro (2), Klosterman (1).

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Miner: Well then, maybe I'd better come back when you're sober.

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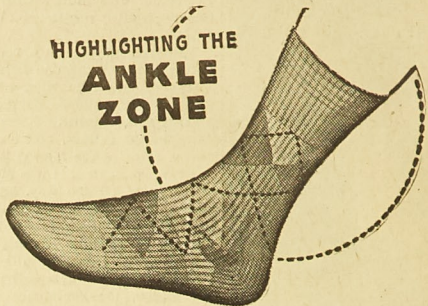
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