



09 Oct 1946

The Missouri Miner, October 09, 1946

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OBER 2, 1946
Schedule
1946
night—Oklahoma
(there)
Friday night—Warre
(e)
t. aft. 2:30—Mary
Friday night—Cape
(re)
t. Aft. 2:30—Spr
Aft. 2:30—Pitts
C. C. (here)
t. Aft. 2:30—Kirk
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monumental new sun
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r, pecans, fudge the card which is on this page.
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customers. He calluch if every student would fill
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be placed on the table with the Min-
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EDITORIAL PAGE

Speak Up C

What Have You Been Missing?

THE MISSOURI MINER

Missouri School of Mines & Metallurgy

SPORTS PAGE-Page 4

Oklahoma

vs.

Mo. Miners

VOLUME 33

ROLLA, MO., WEDNESDAY, OCTOBER 9, 1946

NUMBER 3

A. P. O. Conducts Campus Survey Through MINER

The Alpha Phi Omega, Beta Omicron Chapter, is conducting a survey on the campus this week to find out how many students are at one time members of the organization. This survey is being conducted by means of a card which is on this page. The finished card should be placed in the ballot box which will be placed on the table with the Miners in Parker Hall. "It is urged that every student fill out a card directly as these cards are very important in the completion of our semester plans," he said.

Alpha Phi Omega is a national service fraternity, founded for the purpose of giving service to the College, students, community, and nation. A.P.O. assemblies college in the fellowship of the Scout and Law, to develop friendship, and to promote service to humanity. The fraternity was originally founded at Lafayette College at Easton, Penn., in 1925. A.P.O. has grown since then into a large national organization with 102 chapters and a headquarters at Kansas City. In twenty years the service Alpha Phi Omega has been carried to every corner of the earth. Among projects planned by this chapter for the coming school year are the publishing of large desk blotters which will be distributed free to the students. The publication of such a blotted has been yearly service of A.P.O., and they have strived to give them to students every year.

At Engineers-Parents Day, the members of the fraternity will act as guides for the visitors to the school. A dance, entertainment during halves at football games, and many other items are on the list for projects to be started as soon as possible.

Alumnus Mackey Speaks At A. S. M. Meeting Tues.

On Tuesday, Oct. 1, Mr. David Mackey, an ASM alumnus and now a sales engineer for The Simons Saw and Steel Co. of Lockport, N.Y., addressed our chapter of the American Society for Metals. Mr. Mackey guided his audience in an imaginative tour through the company's plants. He explained the method of steel saw production and described in detail the latest alloys and uses of permanent magnets. The address was included with a demonstration of the amazing strength of the Alcoa No. 5 magnets. It was pointed out that these small alloy steel bars possess the highest concentration of flux of any similar magnetic material yet developed. The group elected John E. Schork to fill the vacant post of a chairman.

A keen interest in the society as evidenced by the large number in attendance. Chairman Cliff Cameron informally greeted the attendees and welcomed many new members into ASM. Succulent pies and excellent coffee were provided by the refreshment committee of John Schork and Bob Williamson.

Radio Club To Hold Initial Meeting Thurs.

The Radio Club, which has been active during the war due to C.C. restrictions, will hold its initial meeting of the year, Thursday evening, October 10th, at 7:15 p.m., in room 104, Norwood Hall. Membership is not limited to only those who are licensed to operate an amateur radio station, but is open to any student, who shows efficient interest and is an American citizen.

Radio Station Under Construction Plans for the first meeting consist of: election of officers and discussion of activities for the year, which will include code books and various talks on radio. Work is now being done on a school's one hundred watt Collins transmitter by a couple of student "hams," and it is expected to be in operating condition within very short time. Due to the lifting of restrictions, it is hoped, by the organization of the club, that considerable interest will be shown in this activity.

Academy Of Science State Meeting To Be Held Here

Dr. Charles H. Philpott, President of the Missouri Academy of Science, was in Rolla last Friday to make plans for the state wide meeting of that organization which will be held at the Missouri School of Mines from October thirty first through November second. He spent much time in conference with Dr. Woodman, who is Chairman of the committee in charge of planning this meeting. Other members of Dr. Woodman's committee are Professor L. C. Christianson, Dr. P. C. Herold, Professor K. K. Kershner, and Mr. W. W. Gandy. Dr. Philpott is Principal of Harris Teachers College in St. Louis and is very well known in the scientific circles of Missouri.

The State Secretary of the College Section of the Academy, Fred Springer, who is a student here at M. S. M., states that the lecture open to the public on November first will be the fitting climax to a very colorful meeting. Representatives from all parts of the state, including professors and students from every college will be present, he further stated.

The Missouri Academy of Science is divided into nine separate sections. These sections cover the fields of Philosophy, Biology, Agriculture, Physics, Chemistry, Geology and Geophysics, and Engineering. In addition there is a Junior Science Club Section and a College Science Club Section. Several local men hold prominent offices in these sections. Dr. Clark, State Geologist for the Missouri Geological Survey, is Chairman of the Geology and Geophysics Section; Professor Carlton of the Civil Engineering Department is Chairman of the Engineering Section; and Dr. C. V. Mann, former Professor of Engineering Drawing, is Faculty Chairman for the College Science Club Section.

A I E E Introduces New Students To Electrical Dept.

An introduction to the MSM Electrical Engineering Department was presented to students of that curriculum by the American Institute of Electrical Engineers, MSM Student Branch. The introduction was given at their first meeting of the semester, Wednesday, October 2, at 7:00 p.m. in Parker Hall Auditorium.

Of the 460 students enrolled in E.E., two thirds are new or transfer students. The purpose of the meeting was to acquaint the new E.E.'s with their professors and to allow them to familiarize themselves with the electrical departments, laboratories and equipment.

Wood Introduces E.E. Profs
G. W. Wood, chairman of the MSM student branch, introduced the EE department staff to the new students and presented a review of the academic and professional background of each. The professors in turn outlined their work as it applies to the student and his preparation for a career in Electrical Engineering.

Chairman Wood described the continued on page 4

ence Club Section.

The College Science Club Section has established as its purpose the dissemination of scientific knowledge, the promotion of scientific knowledge, and the promotion of cooperation between scientific interests. Many colleges in Missouri, including the Missouri School of Mines, have science clubs which are members of the College Section. The local organization is called the Academy of Engineering Science and became a member of the Missouri Academy of Science in April, 1938. This organization is planning many interesting events for the year in addition to the state meeting.

The College Science Club Section was the only branch of the Missouri Academy of Science that remained in continuous active existence during the war years. With the help of the officers, the Missouri Academy of Science was kept functioning during that period. The present officers of the College Section are Keltah Long of Lindwood College, President; J. L. Joye of Harris Teachers College, Vice-President; and Fred Springer of M. S. M., Secretary-Treasurer. Last years meeting, at which time the above officers were selected, was held at Lindwood College in St. Charles, Mo. The main topics of papers which are presented at the annual meetings usually center around three general fields: Chemistry, Physics, and Engineering.

Program For Meeting
With the help of Dr. Woodman and the members of his committee, Dr. Philpott left the following schedule as a possible program of events for the meeting.
Continued on Page 3

Alpha Ch. Sigma Annual Conclave To Be Held In Rolla, Oct. 13

Thursday night, M. S. M. chapter of A. X. E. held its first meeting of the new semester; the introduction of old and new members was the first order of business. The annual conclave of the midwest district is to be held October 13, at Buehler's Park, and will be a combination business meeting and picnic. Both professional and collegiate members will attend the affair.

Professor William H. Webb was elected to succeed Dr. W. T. Schrenk as chapter advisor. Dr. Schrenk still holds the position of district supervisor.

The awarding of a Perry's Chemical Handbook to the highest grade point in the sophomore class is to be reinaugurated. This award was discontinued during the war due to the lack of students and money.

The matter of guides for Parents' day was brought up by Dr. Frank H. Conrad. Alpha Chi Sigma is to furnish twenty men as guides in the Chem department. Those students acting as guides or whose parents are here will be excused from classes.

Dean Of Alabama U., J. Cudworth To Speak At AIMME Meeting

The Missouri Chapter of the American Institute of Mining & Metallurgical Engineers will hold their first meeting of the semester Thursday evening, October 10th, at 7:30 in the main lecture hall of the old Chem Building.

Dean James R. Cudworth, Head of the College of Engineering of The University of Alabama, will be the guest speaker of the evening. Dean Cudworth, who is a mining engineer, has had wide and varied experience not only as an engineer but as an educator. He is the Chairman of the Mineral Industries Education Division of the National AIMME, and will be on the campus to consult with Dr. Forrester, Chairman of the Mining Dept., on the program for the forthcoming AIMME Convention in New York next March. Dr. Forrester is Program Director for the Education Division.

Dean Cudworth will give a talk of wide interest to all Miners, Metals, Geologists and Petroleumists and students in the allied fields. Membership Committees will be appointed at the meeting, and all men on the campus who do not belong to the student chapter may obtain information on its function and secure membership applications. Both members and non-members are cordially invited to hear Dean Cudworth's address. Refreshments will be served after the meeting.

Rasmussen Elected Sec. Of Inter. Frat. Council

The Interfraternity Council of the Missouri School of Mines held its initial meeting of the new semester at the Theta Kappa Phi chapter house Thursday evening, Oct. 3.

Rasmussen of Triangle was elected secretary-treasurer, succeeding Wayne Gullit of Pi K. A. The council discussed plans for social events during the current school year, and tentatively outlined policies for the coming chapter house dances. The manner in which dances will be handled has not yet been definitely determined for all cases, but obviously, due to the enormous enrollment in the school this semester, "drag" bids as well as "stags" will necessarily be restricted.

Arrangements and schedules for the regular visitor's nights and bridge tournament were also discussed.

New Scholastic Trophy
It was decided that a new scholastic trophy cup will be initiated to replace that of which Triangle raised permanent possession last semester. To win the new cup permanently a fraternity must attain the highest group grade point during five separate semesters, or for three consecutive semesters.

THAT'S GRATITUDE

An honest creed at the University of Kansas came right back at the "Laws" recently. Instead of scurrying by the horde of wolfish lawyers on the steps of Green Hall, she paused at their whistles and whipped out a sign. Printed on it in big red letters were the simple words: "Thank you!"

Engineer's Parent's Day And Home Coming To Mark MSM's 75th Year

200 Men Attend C. V. A. To Hear Wilson And White

The Campus Veterans Association met last Thursday night in Parker Hall to get the organization under way. The meeting was attended by more than 200 veterans.

This term as with all the other student organizations, the first meeting was primarily an introduction of the organization and its officers to the greatly enlarged student body. The relation of the CVA to campus activities was presented by Dean Wilson, who spoke briefly about the Administration's policy and attitude toward the CVA. The Dean's introductory talk was followed by brief speeches by Mr. J. N. White, President of the Senior Chamber of Commerce of Rolla and Mr. G. W. Farrar, of the Veterans Guidance Center. Mr. White presented the compliments of the Rolla businessmen and industrial magnates to the Students. Mr. Farrar discussed his function as an agent for helping the veteran receive his full benefits under Public Laws 16 and 346.

C.V.A. Got Housing Action
The Dean restated the schools policy of encouraging the student organizations to take as large a part as possible in school affairs. The great strength and usefulness of student organizations was pointed out in the example of how the CVA assisted in obtaining the Emergency Housing Units and dormitories this past year. Appeals and requests for extra housing made by the school officials through official channels went unheeded, until the CVA stepped in. The CVA Committee that was sent to Chicago is directly responsible for the Emergency Units on the campus now.

The value and importance of a degree was again emphasized by the Dean, and he again appealed to the individual student to show evidences of leadership and ability to cooperate with others by taking an interest and an active part in student organizations.

Mr. White reviewed the housing situation in Rolla and pointed out that as short a time ago as 18 months there was a housing surplus in Rolla. The influx of 2100 students with such a high proportion of married couples was entirely unexpected. Mr. Farrar related to the Veterans to use the Veterans' Guidance Center facilities to the fullest extent in obtaining the maximum benefits possible under existing legislation.

University Dames To Entertain New Wives At Tea

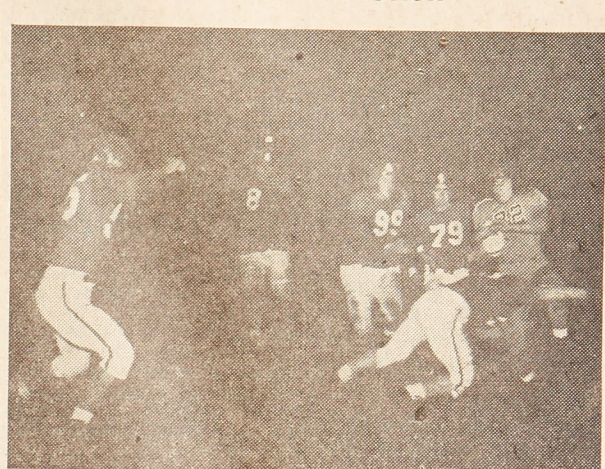
MSM Chapter of University Dames will entertain with a tea honoring all new student wives on the campus Saturday, October 12 at the home of Mrs. Curtis L. Wilson between the hours of 2 and 5 in the afternoon. All student wives are invited to attend. Some time this week each wife will receive further information by mail. This is an opportunity for all the girls to become better acquainted and we hope every one will attend.

Thursday Meeting Postponed
The meeting scheduled for Thursday, October 10 has been postponed until Thursday, October 24. Further details of that meeting will be announced at a future date in The Miner.

The University Dames Chapter on this campus is an organization for the student wives. Once a month there is a business meeting including a program and usually ending with a social hour. Through the Dames the girls have organized smaller groups of common interests. Perhaps the two most active are the Workbasket and Bridge groups. The Workbasket group includes girls who enjoy doing or learning to do sewing, knitting, crocheting, and many other forms of handwork. Bridge also includes groups of beginners. During the summer groups met for swimming, tennis, etc. Occasionally the organization sponsors some activity in which the husbands are included.

We urge every student wife to attend the meeting and become acquainted.

A Miner In Action



One lonely Miner attempts an end run. This picture was taken at the St. Louis U. game as five St. Louis U. men were ready to make a tackle. The lonely Miner is Gammon.

A. S. M. E. MAKES BIG PLANS FOR FALL SEMESTER

Glenn A. Boyer to be Guest Speaker at A. S. M. E. Meeting

The Student Branch of the American Society of Mechanical Engineers will hold its first meeting of this semester in room 103 of the Old Chemistry Building tonight, promptly at 7 P.M. Seven o'clock was chosen as meeting time in order to take as little time as necessary from the students study period, and at the same time make it possible for him to take advantage of attending.

The program for the year will be discussed, and the plans explained at this the first meeting, in order to acquaint the new students of the objects and benefits of the Society.



Prof. Glenn C. Boyer

The major portion of the session tonight will consist of the presentation of technical pictures entitled "An Alaskan Pilgrimage" by Professor G. C. Boyer. Professor Boyer made the pictures during the war and until recently they were considered as confidential.

This meeting will be in the form of a smoker, cigars and cigarettes to be distributed, and ice cream and coca cola to be served toward the close of the meeting. Since there are 376 Mechanical Engineering students of the campus this semester, many of them new or recently returned, this year will, continued to page 3

STEVEN HASKO ELECTED PREXY OF CERAMIC SOCIETY

The student branch of the American Ceramic Society held its first meeting for the fall semester, Wednesday, Oct. 2. The primary purpose of the meeting was to elect the officers who preside for the remainder of the term.

Hasko and Spurrier Elected
Standing as Head Mud Slinger (the term used affectionately by Miners to depict a Ceramic Student) is Steven Hasko, a Junior. Elected to the Vice-Presidency was Marjorie Spurrier, a Senior. Ending in a tie for the post of Secretary-treasurer were Bernard Cohen, Junior, and John Lewis, Senior, who were then chosen Secretary and Treasurer, respectively. Immediately on being informed that he had been made Treasurer, Lewis began collecting the dues. Apparently he is the right man for the job!

A budget committee of four members, Burst, chairman, Phillips, Davidson, and McClelland, was then appointed to make estimates on coke parties, or malts, and other expenditures. A discussion arose as to whether or not the wives of the married members should be invited to attend the outings. Mr. Burst of the budget committee wisely suggested, "Everyone bring a date, but no wives!" He was kidding, of course.

Three Films Shown
After the business of the meeting was dispensed with, three motion pictures, movies that is, entitled, "Norton Abrasives," "Precision by Norton Abrasives," and "Lessons in Grinding" were shown. These pictures effectively depicted the manufacture, use, safety measures, and testing methods employed by the Norton Company in the production of grinding wheels.

Approximately one half of the students enrolled in Ceramics were present at the meeting. It was suggested that, for future assemblies, all student Ceramists be present for their own edification and enjoyment.

"Please, Ma'am, I'd like to buy a Salvation Army type brassiere for my girl."
"What do you mean, Salvation Army type brassiere?"
"Strictly uplift."

Certificate Of Distinction Awarded To MSM By War Department

Dean Curtis L. Wilson has been notified by Secretary of War Robert P. Patterson that the Missouri School of Mines and Metallurgy had been awarded a certificate of distinction by the War Department for the training of soldiers in the Army Specialized Training Program during World War II. The A.S.T.P. was started at the School of Mines in August of 1943 when a total of 400 soldiers were assigned to the campus. This was continued through the year into March 1944 when the entire A.S.T.P. was abandoned. A total of 556 individual soldiers

were trained during this time. The Certificate of Distinction reads as follows:

Be It Known that this Certificate of Distinction has been Awarded by the WAR DEPARTMENT to Missouri School of Mines and Metallurgy for the training of soldiers in the ARMY SPECIALIZED TRAINING PROGRAM During World War II (Signed Robert P. Patterson Secretary of War

By James J. Jelinek
As a part of the Missouri School of Mines Seventy-Fifth Anniversary Celebration, faculty and students will welcome parents and visitors on Engineers' Day, November 1 and 2, during which time demonstrations will be on display. As announced by Professor I. H. Lovett, Chairman of the Engineers' Day Committee and Professor W. T. Schrenk, Chairman of the Parents' Day Committee, the day's festivities will include a parade led by the Missouri School of Mines Military Band; a meeting of all parents to be addressed by Dr. Curtis L. Wilson, Dean; and the football game between the Miners and Southwest Missouri State College.

The program of events for Parents' and Engineers' Day is as follows:

8 a.m.—Registration of parents and visitors in the lobby of Parker Hall.
9 a.m. to 12:30 p.m.—Inspection of campus, laboratories, and special engineering exhibits.

10 a.m.—Outdoor band concert. 12:30 to 1:30 p.m.—Parents' luncheon with sons and daughters. 1:45 to 2 p.m.—Parents paraded by military band, Pine and 6th Streets to Jackling Field.

2 p.m.—Address of welcome to parents and visitors by Dr. Curtis L. Wilson, Dean, Missouri School of Mines, at Jackling Field. 2:30 p.m.—Football game, Missouri School of Mines vs. South West Missouri State College. Exhibition drill with Military Band, between halves of the game.

In opening their laboratories and classrooms for inspection, students and faculty will demonstrate a few of the many phases of engineering education now being carried on at the Missouri School of Mines. Among the exhibits will be those in metallurgical engineering and mineral dressing which illustrate the production of metals, and their extraction from ores. The refining, alloying, shaping, and heat-treating of metals will also be demonstrated.

Exhibits in the field of electrical engineering will show the fundamental principles underlying the fields of communication, industrial electronics, electrical machinery, and electric power service. These include motor equipment showing electronic control for direct current motors, high frequency electric heating equipment, synchro-electric equipment for producing or controlling motion from a distance, and equipment showing frequency modulation.

In the field of physics, exhibits will include experiments in the conduction of electricity through gases, radio-activity, spectroscopic equipment and photo-electric effect. In connection with these experiments, graphic charts will be shown to depict the application of the results of experiments in atomic physics to the production of the atomic bomb. The use of the Geiger-Mueller counter as a detector of atomic radiations will also be demonstrated.

Geological exhibits will include those of X-ray diffraction equipment used for analysis of minerals and magneto-meters and electrical apparatus used in geophysical prospecting for minerals. Fossils representing life of the past ages, and topographic and geological maps made and used by geologists in the search for minerals will also be shown.

Also on display will be exhibits in engineering drawing, descriptive geometry, machine drawing, scientific sketching, freehand lettering, drawings of maps and structures, architectural drawing and city planning.

Laboratories for work in general chemistry, qualitative analysis, organic chemistry, quantitative analysis, unit operations, and physical chemistry will be open for inspection by parents and visitors.

"Have a cigar, sir?"
"No thanks. Tried one once and didn't like it."
"Well then, how about a drink with me?"
"Nope. Tried one once and didn't like it."
"Maybe you'd like to play a game of billiards?"
"Nope. Tried the game once and didn't like it. However, my son will be along pretty soon and he will probably play with you."
"Your ONLY son, no doubt."

As The Managing Editor sees It . . .

Things are looking better in the new. There are lights, two desks, a telephone, one chair and one nail in the window sill to hold on. All this paper needs someone to hold down that chair while the staff goes to school. While they are holding down the chair perhaps they could find time to answer the telephone (851), put the thousand odd cards in alphabetical order and take in notices for the trade. Incidentally, one in school can put free ads and want ads in the paper, and a new free service, but it's new no one has heard about it. Just drop in the office and get your ad on the copy nail.

Down in Monterey there was a Mexican wholesale sugar salesman who gave several interesting facts. He said Mexico had 100,000 tons of sugar; which was evident. Also, he undertook some mud in the direction of Hoover's post on the UNRRA. Said that only a couple of cents more a pound and a lot more sugar would be in the USA. It developed that the UNRRA was holding down the price. The salesman also conceded that Mexican sugar was far superior to the Cuban product.

A.S.M.E.
continued from page 1

without a doubt, be the most successful year in the history of ASME here at MSM.

At present the plans call for two meetings monthly, each of approximately one hour duration. Fifteen of the countries outstanding engineers, who have offered their services to ASME student groups are being contacted as possible speakers at future meetings. Movies, black and white and technical for which requests are also being sent cover a large number of the mechanical engineering specialties. They are offered to the Society by such firms as General Electric, Worthington Pump Co. etc., and are for the most part of a technical nature covering the practical phases of engineering.

Every effort will be made to fulfill the objects of the Student Branch which are listed as follows: 1. To broaden the student's acquaintance with the practical side of the practice of Mechanical Engineering.

2. To give each Student Member "Mechanical Engineering" (the journal of the Society) and thereby keep him informed about engineering progress.

3. To develop the student's initiative and ability to speak in public, and to familiarize him with the parliamentary procedure and organization of learned societies.

4. To enable the student to establish fraternal contact with his fellow students in engineering, both at his Alma Mater and at other colleges, and to meet graduate engineering, engaged in the active practice of mechanical engineering.

5. To permit the student to attend meetings of Student Branches and also the meetings of the Society, its Sections and Professional Divisions.

All Mechanical engineering Students are cordially invited to attend this first meeting of their Professional Organization.

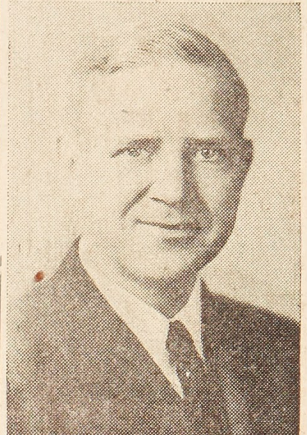
"Is your husband a bookworm?" "Oh, no, he goes to the School of Mines."

Plans Completed For Kirby Page To Speak October 16

Plans for the Kirby Page meetings for Wednesday, October 16th, have been completed, it was announced today. Dr. Page will lead a panel discussion group at the School of Mines at 10 a. m. This meeting is planned especially for students. The subject for discussion is "Is It Too Late To Prevent a Third World War?"

At noon he will speak at the Chamber of Commerce Luncheon here and his subject here will be, "Must We Fight Russia?"

Then at night in the High



School Auditorium at 8:00, he will speak again and his subject there will be, "The Will of God For these Days."

Dr. Page is an Author of great note as well as a speaker. He has written nineteen volumes and sixteen pamphlets on international, economic, social and religious questions. More than a million copies of these books and pamphlets have been sold. His latest book, just published is entitled, "Now Is The Time To Prevent a Third World War." He has spoken at 300 Colleges and Universities throughout the world.

St. Pat's Board Draws Plans For Homecoming Ball

Last Wednesday the St. Pat's Board revealed its intention to sponsor a gala Homecoming Dance on Saturday, Nov. 9. This dance will be a worthy supplement to the other festivities planned for this red-letter week-end, which include the scheduled football game between the Miners and Pittsburg Teachers College, the traditional Alumni Dinner-Smoker, and a special Alumni meeting at Parker Hall.

The Homecoming Dance is to be held at Jackling Gymnasium from 9:00 P.M. to 1:00 A.M. Music is to be provided by Charlie Faulkner and his orchestra who, it is reported, have become a rather special attraction in the field of swing music. Tickets will go on sale on Wednesday, Oct. 16. The admission price is more than reasonable, being only \$1.25—stag or drag.

Let us all hope that this dance will also constitute the celebration of a Miner victory on the football field that afternoon.

Luking It Over

Formerly Veterans Corner
By George Wood

Word to the uninitiated: This is the successor to the old "Veterans Corner" column. Veterans don't occupy a corner anymore; they've got the whole damn room. It's the same old story, however, the censor extracts the really good jokes and stories, so see me sometime out at the Pennant for the unrehearsed versions.

Does anyone (politicians excluded) know why the "52-20" boys can sit on their posteriors and drag down 80 bucks per month while a hard-working Public Law 346 victim gets only \$65.00? Turn your answers in to the Campus Veterans Association—they would like to know.

Incidentally you chow-hounds, the above mentioned association has the grand sum of \$1,400.00 simmons in their booty-box, and they're going to serve refreshments at their next meeting. . . . Does any simple soul need a diagram or a map?

The 1400 Vets who didn't attend the meeting last Thursday really missed some of life's little ironies. Talk about embarrassed people!—You should have seen the blushes on the ??????? of some of our stalwart battle-hardened heroes when they tangled with a few little words of their own choice and came out with their foot in it. (Some dolt ask what "it" is!) Watch for fireworks when

Prof. Black To Draw Plans For City Zoning At Washington, Mo.



Professor Black

WASHINGTON, Mo.—The city council met informally Friday night, September 13, to hear Professor C. H. Black of Rolla, Missouri speak on city planning and zoning.

Prof. Black teaches city planning at the School of Mines and has had a great deal of experience in city planning and architectural work. He appeared before the council in response to a request by the city for a preliminary survey in regard to zoning the city. A short time ago the council voted to have Prof. Black make the survey in order to determine whether the city would be justified in going into the zoning problem. Kirkwood has expressed itself as highly gratified with its recent city planning but some other cities, while recognizing the merits of zoning, have either given up or failed to start because of the expense. This preliminary survey should go far to giving the council an insight as to just what would be required should the city decide to zone the various parts of town. It is hoped that Prof. Black's survey will be instrumental in securing information that will be helpful in such revision.

Building Boom For Colleges
MINNEAPOLIS, MINN. (ACP) The greatest building boom of all time is approaching for American universities and colleges.

Federal government sources estimate that the state appropriations for the academic year 1946-47 will exceed the prewar peak and general expenses may run more than 250 million dollars.

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Rolla, Mo.

ESQUIRE PHOTO STUDIO

Ray Grass, Prop.

Photographer for Miners

708 Pine

Phone 535

Du Pont Digest

Items of Interest in the Fields of Chemistry, Engineering, Physics, and Biology

New Plastic Resists Heat, Acids, Electricity

"Teflon," Product of Group Research, is Solving Difficult Problems in Radar, Television and Industry

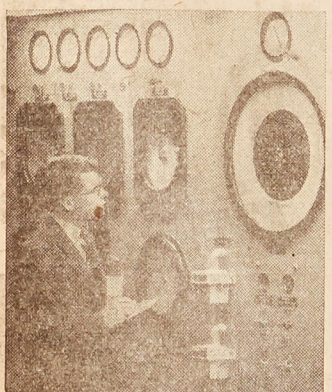
A group of Du Pont research men were looking for a new refrigerant of a particular type. These men found what they were after; but, as so often has been the case, they found something more—this time an industrial plastic whose unique qualities make it invaluable in many fields.

During the study, the chemist in charge proposed a route to the synthesis of HCF₂CF₂Cl via tetrafluoroethylene, CF₂=CF₂. In working with the latter, a chemically reactive gas boiling at -76.3°C./760 mm., it was learned that it polymerized to form a resin having unusual properties.

After evaluation by organic and physical chemists, physicists and electrical experts, a suitable process for the difficult manufacture of this product was worked out by the chemists in collaboration with chemical and mechanical engineers.

Structure and Properties

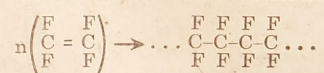
"Teflon" is made by polymerizing gaseous tetrafluoroethylene to give a solid, granular polymer:



Controlled at this one panel is all the equipment for producing the polymer from which is made "Teflon."



"Teflon" (right) resists boiling acids and solvents to a degree unrivaled by other plastics.



The fluorine atoms in the molecule impart exceptional properties of resistance to heat and chemicals.

"Teflon" has unusual heat resistance. Having no true melting point, "Teflon" decomposes slowly to give the gaseous monomer and a few other gaseous fluorine derivatives at around 400°C. Under certain conditions small amounts of fluorine-containing gases have been observed at temperatures above 230°C. Because of its heat resistance, gaskets and wire insulation for jet engines are now made of this plastic. It is also used in aircraft ignition systems near sparkplugs and in high-temperature heating systems.

The chemical resistance of "Teflon" is such that it withstands the attack of all materials except molten alkali metals. Boiling in acid (aqua regia, hydrofluoric acid or fuming nitric acid) will not change its weight

or properties. For this reason it may have wide use in such applications as tubing and piping for chemical plants and acid-distillation equipment.

Because the dielectric loss factor is extremely low, even at frequencies up to 3000 megacycles, it is an excellent insulating material for currents of ultra-high frequency. Its heat-resisting and aging qualities suggest immediate uses as a dielectric in coaxial cables for color television, and in radar and power fields.

Forms of "Teflon" Available

By use of special techniques the new plastic can be extruded as rods, tubes or wire coating. In general, its extrusion rates are low in comparison to other thermoplastics because of its resistance to softening.

More facts about "Teflon" are in Du Pont Plastics Technical Service Bulletin No. 13. Send your request to 2521 Nemours Bldg., Wilmington 98, Del. "Teflon" is one of the many products which represent the work and skill of Du Pont men, who, working as a team, contribute toward a better America for you and all of us.

Questions College Men ask about working with Du Pont

"WILL I STAY IN ONE FIELD AT DU PONT?"

The first position of a new man at Du Pont is based on his expressed preference and an estimate of his aptitudes and abilities. Subsequent work may be in the same or other fields, as openings present themselves in research, production or sales divisions. Keynote of Du Pont personnel policy is promotion from within on a competitive merit basis.



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...THROUGH CHEMISTRY

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You Are Invited . . .

By Rev. Porter to attend church services at the Presbyterian Church, on the corner of 8th and Olive Sts. This Sunday sermon "Wait on the Lord" will be given during the church hour from 11:00 to 12:00.

Special Sunday School classes are held from 9:45 to 10:45. There are two classes of special interest to college students one for those of college age taught by Mrs. Porter and the other a class exclusively for married couples.

We ask you not to neglect the religious aspect of your life while attending a technical school. Come to Church on Sundays.

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8TH. & ROLLA STS.

ROLLA MISSOURI

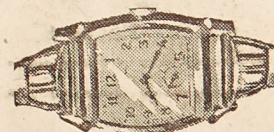
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Oklahoma Chiefs Down Miners 74-6

Miners Score Season's First Points Against Oklahoma

By Gene Tyrer

The Missouri Miners met and were conquered by an outstanding Oklahoma City University eleven to the tune of 74-6 Saturday night, in a game played in Oklahoma City. The landslide was witnessed by a crowd estimated at 7,500 people.

One glance at the top-heavy score is indicative of the trend of the contest. The Chiefs were a rough, rugged outfit of experienced men. Many observers voiced the opinion that Oklahoma City could fight any collegiate team in the nation to a standstill, bar none. In losing, the Miners fought gamely with everything available, but the team just could not break through the stout defense. Nor could they stop Oklahoma's fast-charging backs who operated off the devastating single-wing formation.

Receiving the opening kickoff, OCU's Jim Wade galloped from behind his goal line 103 yards to register the first score before the spectators had an opportunity to purchase a program. This was the first in the long series of touchdowns which found Oklahoma

scoring 3 times in each of the first, third, and fourth quarters and only twice in the second period for a total of 11 touchdowns coupled with eight point-after-touchdown placekicks. Throughout this amazing offensive drive, Andy Victor and Wade were foremost among the consistent ground gainers for the Chiefs. However, they received ample support from every other back on the squad.

Score In Third

The Miners on the other hand, could not start functioning until midway in the third quarter. With Jerry Berry running and Bob Reichelt passing to ends Jim McGrath and John Hazelett and to halfback Bill Gammon, Rolla drove to the Oklahoma five yard line. Berry then bulldozed his way through the line for the score. McGrath's placement was blocked.

MINERS	Chiefs
McGrath	LE Taylor
Wood	LT Novitsky
Seabough	LG Mann
Stallman	C Gavula
Fulghum	RG Carpenter
Leone	RT Shirley
Hazelett	RE Metzger
Reichelt	QB Ary
Fullop	LH Noble
Whitney	RH Wade
Carafoli	FB Victor

Score by periods:	Team	1	2	3	4	T
Chiefs	19	14	21	20	74	
Miners	0	0	6	0	6	

"Sir, I wanted to tell you that I've got a new position," said the attractive secretary. "Fine, close the door and come in," replied her boss.

"My baby looks just like me," boasted the new father. "Oh, I wouldn't mind that so much, sir, just so long that he's healthy," replied the nurse on the case.

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TABLE TENNIS TO OPEN INTRAMURAL FOOTBALL OUT

Heated rules discussion and unusually good attendance marked the first Intramural Managers meeting of the season last Wednesday night in a long hour and a half meeting. The meeting was presided over by Coach Dwight Hafeli and consisted of representatives from all the campus fraternities plus the Engineer's Club. Notably missing were representatives from the Frosh, Sophomore, Junior and Senior Independents, as yet unorganized.

The main result of the meeting was the decision to drop touch football because of the lack of a suitable playing field.

Instead Table Tennis was picked to open on October 9, with Handball immediately following with the annual cross-country race to be held during the half-time of the October 19 football game with Maryville. To compensate for the loss of touch football a longer basketball season was contemplated starting during the first half of November. Tennis and horseshoe tournaments will be held in the spring.

Two rules were changed and one added during the meeting which provided most of the discussion. An old rule prohibiting lettermen to participate was revised to allow Varsity lettermen to enter intramural sports after two years had elapsed since winning their last letter. It was this rule which proved most controversial. The rule now allows pre-war lettermen to play if not actually on a Varsity team this year.

A ruling about stray greases was amended allowing them to play on fraternity teams if financially affiliated with the frat whose team they play on. A new rule was also added to cover ties, playoffs and trophy awards.

The meeting ended with the election of Liddell of the Engineer's Club and Carlton of Sigma Nu as co-chairman of the Intramural manager board.

Once again intramural sports get under way with a slight departure from the unusual. Table Tennis will replace touch football as the season's ice-breaker starting Wednesday October 9.

The program is planned for a double elimination contest with both singles and doubles teams participating. Because of crowded conditions the games will be held in the handball courts on the top floor of the gym instead of on the basketball floor as usual.

Intramural squad entries must be in the entry box at the entrance of the gym by October 8 at the latest. The starting schedule will be posted on the Intramural bulletin board. A five man team consisting of a single and doubles team and two alternates may be entered.

So if you can play table tennis see your Intramural manager right now!

Aggies Can Destroy Crops
AMES, IOWA (ACP) — An Iowa State professor, Dr. A. G. Norman, of the Department of Agronomy, has developed a type of chemical warfare that will in the event of another war, cripple an enemies' food supply.

Powerful synthetic hormones can severely injure the crops of enemy nations in future wars, revealed Norman.

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East Lansing, Michigan

Beauty on the Bowsprit



Margaret Strum, left, and Jeanne McAffrey take one last sail off St. Petersburg, Fla., before resuming college studies. Bowsprit will look awfully bare without them.

A.I.E.E.
continued from Page 1

purpose of the professional organization, A.I.E.E. and, in particular, the Student Branches and their value in liaison between the classroom and industry. New and old students alike were offered enrollment in National A.I.E.E. and the Student Branch.

Inspection Tour
Following the meeting an inspection tour was made of the EE laboratories. The staff of the department described the labs and equipment, and the tour was concluded with a demonstration of induction heating and its applications in industry.

EE's Can Join Now
Full time students registered in the Electrical Engineering Department are eligible for membership in the American Institute of Electrical Engineers, student section. Application blanks are available in Room 107, Norwood Hall, from 1:00 to 5:00 p.m. daily except Saturday and Sunday. Membership in the National organization entitles the student to all the privileges of a full Associate except voting. That includes participation in conventions and conferences plus receipt of the monthly publication "ELECTRICAL ENGINEERING."

Membership in the MSM Student Branch includes participation in all lectures, demonstrations and inspection trips held by this branch, a voice in the direction of its affairs, and listing in the A.I.E.E. Section of the school yearbook, The Rollamo. It is to the advantage of those who are seriously interested in Electrical Engineering to affiliate with the A.I.E.E.

UPTOWN

WED. & THURS. OCT. 9-10

ADM. 10 & 30c

Francis Lederer

Ann Rutherford

"Madonna's Secret"

FRI. & SAT. OCT. 11-12

ADM. 10 & 30c

Donna Reed — Tom Drake

"Faithful in My Fashion"

SUN. & MON. OCT. 13-14

Run Continuous From 1 p. m.

ADM. 10 & 30c

Margaret O'Brien

Lionel Barrymore

"3 Wise Fools"

COMING SOON

"Holiday in Mexico"

ROLLAMO

Wednesday, October 9

ADM. 10 & 13c

Dorothy Lamour

Fred MacMurray — Betty Hutton

"And The Angels Sing"

Thursday October 10

ADM. 10 & 30c

Barbara Stanwyck

Edw. G. Robinson

Fred MacMurray

"Double Indemnity"

FRI. & SAT. OCT. 11-12

ADM. 10 & 20c

Eddie Acuff

"Night Train To Memphis"

Buster Crabbe in

"Prairie Badmen"

Owl Show Sat. Oct. 12

ADM. 10 & 20c

Leon Errol — Mary Healy

Ozzie Nelson and Orchestra

"Strictly in The Groove"

Boyer gave an interesting address pertaining to his work prior to joining the faculty here at M.S.M. After the banquet, the members adjourned to the House, where the customary toast was drunk from the Tau Beta Pi scholastic cup.

Theta Kappa Phi

Mu chapter is very fortunate in having a fine group of pledges this semester. The men come from all sections and should certainly carry on the great traditions of the chapter. The formal pledging took place on Monday night, September 30, for the following individuals: Pledges Becker, Bentrup, Birk, Condit, Dampf, Eyd, Ferber, Greco, Hanson, Herrmann, Janczewski, Merritt, Mooney, Marshall, Martine, O'Connor, Oldenburg, Pankau, Stegemeier, Weber, Wilsonholme, Schmidt, Woodson, A. Higgins, J. Higgins, and Lutz. Mu of Theta Kappa Phi takes great pleasure in presenting these men and is sure they will be a credit to the House and to the school.

Kappa Alpha

The Kappa Alpha Fraternity has a house again after a lapse of three years during which time most of the members were serving with the armed forces. The

house is located on the corner of eighth and Pine where the KA shield and cross shine upon everyone that passes.

Six pledges went through "Hell week" last week end and will be initiated this week. These men are Wesley Bogart, Robert Hissom, Joe Miazga, John Sears, Gene Smith, and Fred Springer.

Leading the chapter now is George Anderson. The house affairs are under the able management of Bob Schmiedeler, while

Bill Siegel handles the financial matters. The chapter has twenty six members and five new pledges. The new pledges are Jack F. and Joe Ryan, both from Chicago, Don Schmidt and Murray Schmitt from Hinsdale, Ill., and Seymour Subitzky from Mt. Vernon, N. Y.

Woody McPheeters is conducting a "delicatessen" in the house, supplying members with cokes, candy bars, and gum, at the latest count, he was doing a thriving business.

NOTICE

Is Your Present Rolla Address and Phone No. On File With The Registrar's Office?

★ ★ ★

If not, please submit this information immediately. It is absolutely necessary for the completion of the Blue Key Student Directory. Don't let your name be omitted from this valuable booklet.

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