



24 Sep 1965

The Missouri Miner, September 24, 1965

Follow this and additional works at: https://scholarsmine.mst.edu/missouri_miner

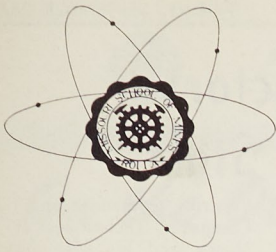
These newspapers reflect the attitudes, perspectives, and beliefs of different times. Neither the library nor the university endorses the views expressed in these collections, some of which contain images and language which may be offensive to some readers.

Recommended Citation

"The Missouri Miner, September 24, 1965" (1965). *The Missouri Miner Newspaper*. 1808.
https://scholarsmine.mst.edu/missouri_miner/1808

This Newspaper is brought to you for free and open access by Scholars' Mine. It has been accepted for inclusion in The Missouri Miner Newspaper by an authorized administrator of Scholars' Mine. This work is protected by U. S. Copyright Law. Unauthorized use including reproduction for redistribution requires the permission of the copyright holder. For more information, please contact scholarsmine@mst.edu.

SEPTEMBER 17, 1966
Ball
aturday
Western at Ev-
Illini should
y eight at Urb-
ished in 14th
big skid after
in the final
Texas A & M
ouge Saturday,
go home with
L.S.U. to win
ts.
gline
MENTS
[1] Do they have
a 4th of July
in England?
(Answers below)
is the
gline
tapter
98¢
cluding 1000 staples)
arger size CUB Desk
Stapler only \$1.49
ck of gum-but packs
le!! Refills available
tionally guaranteed.
it at any stationery,
gline INC.
ty, N.Y. 11101
and useful
aving two of them
better than having
ad idea, because you
OT Staples! Sure
erate Independent
ANSWERS 1. Sure
NCY
one 364-1414
rs



The Missouri MINER

UNIVERSITY OF MISSOURI AT ROLLA

VOLUME 52

FRIDAY, SEPTEMBER 24, 1965, ROLLA, MISSOURI

NUMBER 2

Dates of Teacher Exams Set for College Seniors

College seniors preparing to teach school may take the National Teacher Examinations on any of the four different test dates announced today by Educational Testing Service.

New dates set for the testing of prospective teachers are: December 11, 1965, and March 19, July 16, and October 8, 1966. The tests will be given at nearly 500 locations throughout the United States, ETS said.

Results of the National Teacher Examinations are used by many large school districts as one of several factors in the selection of new teachers and by several states for certification or licensing of teachers. Some colleges also require all seniors preparing to teach to take the examinations.

Lists of school systems which use the examination results are distributed to colleges by ETS, a nonprofit, education organization which prepares and administers examinations.

On each full day of testing, prospective teachers may take the Common Examinations, which measure the professional and general preparation of teachers. Also one of 13 Teaching Area Examinations (formerly called Optional Examinations), which measure mastery of the subject they expect to teach, may be taken.

Prospective teachers should contact the school systems in which they seek employment, or their colleges, for specific advice on which examinations to take and which dates they should be taken.

A Bulletin of Information con-

taining a list of test centers, and information about the examinations, as well as a registration form, may be obtained. They are offered by college placement officers, school personnel departments, or directly from National Teacher Examinations, Box 911, Educational Testing Service, Princeton, New Jersey 08540.

NOTICE!

ALL SCHOOL MIXER
SATURDAY, OCT. 2
STUDENT UNION
BALLROOM

TWO DANCES —
TWO BANDS
STARTING AT
1 P. M. AND 6 P. M.

GIRLS! GIRLS!
GIRLS!

Student Council Adopts Policy Concerning Funds

Each year most of the non-social organizations on campus come to the Student Council requesting funds to help them broaden their activities. Each year the opinion is voiced that certain areas of student activity receive an excess of these funds. It is asked that some check be put into the method used in their

distribution, so that they can be distributed fairly and be put to even better use.

This year the Council has adopted an "Appropriation Request" form which must be filled out by each organization requesting Student Council funds. The request contains the organization's name and size; the president and treasurer's name, address, and phone; and an itemized list of expenditures and income. The form must then be signed not only by the organization's president and treasurer, but also by the chapter advisor. In this way the Council hopes to ensure a more even distribution of funds and at the same time budget sufficient funds for a well rounded general lecture program.

All organizations requesting funds from the Student Council must file an application by October 15. Applications may be obtained and turned in at the candy counter of the Student Union.

Cooper Graduates From MSM With 4.00

Larry Cooper, son of Mr. and Mrs. Louis Cooper, 9004 Brassie Drive, Overland, was graduated with highest honors from MSM recently. He is the first student in the history of the school who has taken all his college work at Rolla to graduate with a 4.00 average, the highest possible.

Cooper received the B.S. in mechanical engineering at spring commencement.

A graduate of Ritenour High School, Overland, Cooper entered MSM in September, 1960. He was a cooperative student, alternating semesters at work with McDonnell Aircraft Corp. with academic studies.

Cooper has received many honors for his outstanding academic record. He was the recipient of the Curator's Award two semesters, and for three semesters received the John C. Murphy Co. Mechanical Contractors and Engineers Scholarship.

In 1962 he was chosen as the outstanding sophomore. He is a member of Tau Beta Pi and Phi Kappa Phi honor societies. During the past semester he has been president of Pi Tau Sigma, national mechanical engineering honorary fraternity. He has served also on the executive committee of the Men's Residence Hall Association. He is a member of the SAE, ASME, AND AIAA.

A Look to the Future



Architect's proposed, multi-purpose building and stadium to be erected at Tenth Street and Highway 63.

MSM Faculty to Appear on T. V.

"How Missouri Scientists Are Helping the State" will be discussed on the Sept. 26 Missouri Forum by four staff members of the University of Missouri at Rolla whose research subjects range from dinnerware to space materials.

The program will be telecast over University Station KOMU-TV, Channel 8, at 2 p. m. CST on Sept. 26 instead of the usual hour because of station network commitments. The University Extension Division will tape the program for use during the following week by 28 cooperating Missouri radio stations.

Participants will be: Dr. Thomas Fry, professor of civil engineering and advisory committee member for National Science Foundation grants at Rolla; Dr. W. J. James, director, graduate center for materials research, a branch of the University system's Space Sciences Research Center; Dr. Robert E. Moore, associate professor of ceramic engineering and chairman of the department; and Dr. Russell A. Primrose, as-

sistant professor of chemical engineering.

All will discuss current work at Rolla. Dr. Moore will deal with current research in glass, Corning Ware, and clay-brick industries, and in mining and metallurgy. Dr. Primrose will describe research in engineering and agricultural industries. Dr. Fry will talk about undergraduate and graduate studies, and Dr. James, about the future of research.

Forum moderator is Dr. Ed-

ward C. Lambert, Assistant to the President in charge of television and professor of journalism at the University.

Beginning Oct. 3, Missouri Forum will move to a new time, 5 p. m. CST, to make room for the Bell Telephone Hour and network news presentations, such as documentaries and actualities. The Forum has been carried at 5:30 p. m. CST for a number of years.

MSM Receives Increase in Funds

Gifts and grants received by MSM totalled \$846,490.98 during the year ending May 15, 1965, John H. Caruthers, member of the University Board of Curators, announced at commencement exercises Sunday.

This figure, compared with \$499,343.66 received the year before, is an increase of approximately 70 percent. The number of gifts and grants totalled 218 this year, compared with 186 the

previous year.

These funds were received from corporations, foundations, governmental agencies, organizations and individuals. They are used for student financial aid and assistance to research and instruction as well as other endeavors at MSM.

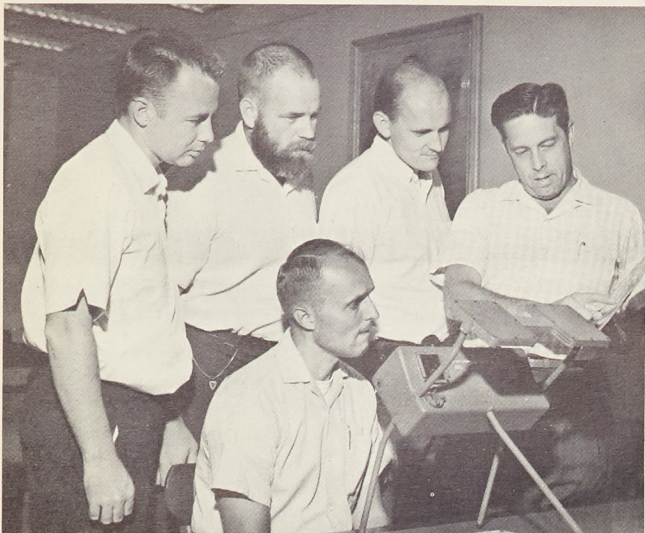
This support significantly augments and increases a program of research that otherwise could not be achieved. The increase indi-

cated a growing awareness of the importance of research and education.

Significant contributors to the research effort include the National Science Foundation, Atomic Energy Commission, Public Health Service, Office of Naval Research, Army Research Office, National Aeronautics and Space Administration, American Chemical Society and Monsanto Chemical Company.

NOTICE!

Final day for distribution
of the 1966 Rollamo will
be Thursday, September
30, from 8:30 a. m. to 4:30
p. m. Bring your student
I. D. card.



Purdue civil engineering Prof. Robert Miles, right, explains an air photo interpretation detail to a group of college educators attending Purdue University's NSF - supported summer institute in geomatronics. The institute is for college instructors in the science of mapping and surveying. Seated at an airphoto stereoscopic scanner is Ronald E. Rule, department of mechanics, U. S. Air Force Academy, Colorado Springs. Standing, from left, are: Joseph E. Gust, Jr., engineering department, Southern Colorado State College, Pueblo; Norman L. Brown, department of civil engineering, University of Missouri at Rolla; J. Derle Thorpe, department of civil engineering, Utah State University, Logan, and Miles. The institute closed August 13.

Leadership Positions in ROTC Announced by Military Dept.

Leadership positions for the MSM ROTC Corps of Cadets for the 1965 fall semester have been announced by the MSM military Department.

Charles E. Schmidt, with the cadet rank of colonel, has been appointed Brigade Commander. Howard Manning, Jr., appointed to cadet rank of lieutenant colonel is the Brigade Executive Officer. Members of the Brigade Staff, holding the rank of cadet lieutenant colonel, are: Donald E. Evans and Richard J. Kasten. Other members of the Brigade Staff, appointed to the cadet rank of major, are: Robert R. Callen and James R. Armstrong. Martin

the Student Union.

All Electrical Engineers and anyone with an interest in amateur radio are invited to attend the meetings and participate in the activities of the club.

Capages, Jr., is the Brigade Sergeant Major.

The MSM ROTC Cadet Brigade is organized in to three battalions of four companies each. The organization is established on the basis for providing maximum opportunities for cadets to make practical application of the principles of leadership.

Battalion Commanders, with the cadet rank of lieutenant colonel, are: Gary D. Rueter, John M. Owens, and Harold A. Schelin, Jr. Battalion Executive Officers, appointed to the cadet rank of major, are: James D. Bailey, John R. Klug, Jr., and Glenn E. Miller.

Members of the battalion staff, appointed to the cadet rank of major, are: Wesley E. Myers, Paul E. House, Daniel P. Hatcher, John R. Ruser, Jr., John F. Lauletta, and James E. West. Members of the battalion staffs, appointed to the cadet rank of captain, are: Raymond R. Betz, Dick O. Mooy, Carl H. Westenberg, Robert E. Turner, R. W. Meyer, and B. A. Stirrat.

UMR Radio Club Enrolls Members For Fall Semester

The UMR Amateur Radio Club held a special meeting Thursday night, September 16. This special meeting was held to enroll new members and give them an earlier opportunity to operate the radio equipment.

The radio club had a total enrollment of 32 members at the special meeting and more are expected.

The officers for the coming semester include: President, Tom Emison; Vice-President, Kenneth Lennox; Secretary, Kenneth Epperson; Treasurer, Lyndel Helmkamp; Station Manager, Bill Ruhl and Station Activity Chairman, Conrad Otto. The club advisor is Robert H. Nau of the Electrical Department.

The next regular meeting of the year is scheduled for Thursday, October 14, 7:00 p.m., in the Student Union. The club has scheduled its regular meetings for the second and fourth Thursday of each month at 7 p.m. in

EE Dept. Gains 10 New Instructors Out of 49 Appointed to MSM Staff

Among 49 new faculty members appointed this fall at MSM, 10 are professors and instructors in the department of electrical engineering.

Under the direction of department chairman, Dr. R. E. Nolte, will be three new associate professors, three new assistant professors and four additional instructors.

Dr. Edward C. Bertnolli, 215 Adrain Ave., comes to MSM from Kansas State University of Agriculture and Applied Science as an associate professor. His research interests are in electronic instrumentation and distributed networks. He has worked in industry with Lawrence Radiation Laboratory, Livermore, Calif.; Autonetics, Downey, Calif.; Boeing Aircraft, Wichita, Kan.; and Allis Chalmers, Milwaukee, Wis. Bertnolli, and his wife, Patricia, have four children.

Associate professor, Dr. James H. Tracey, received his doctor's degree at Iowa State University of Science and Technology in 1964. A computer and computer

systems analyst, Tracey has been with General Electric, Syracuse, N. Y.; Aerospace Corp., El Segundo, Calif.; and Collins Radio Co., Cedar Rapids, Iowa. He and his wife, Fay, and their three children live at 403 East 11th St.

Dr. Charles A. Goben was educated at both Iowa and Kansas State Universities. Before joining the University electrical engineering faculty, he worked for Sandia Corp., Albuquerque, N. M. and Union Electric, St. Louis. A member of five professional and honorary organizations, Goben lives at 709 E. 13th.

Assistant professor, Dr. Norman G. Dillman, 12 Gano Dr., did research in the electrical properties of ion solutions at Iowa State University, where he also earned his doctor of philosophy degree. He was formerly employed by Autonetics, Downey, Calif. Dillman and his wife, Phyllis, have three children.

Dr. LeRoy P. Venteicher, who holds a Ph.D. from Iowa State University, will serve the electrical engineering department as assistant professor. Formerly an engineer for Autonetics, Anaheim, Calif.; Industrial Research Products, Franklin Park, Ill. and Naval Ordnance Laboratory, Silver Springs, Md., Venteicher lives at E5 Huffman Trailer Court.

Among the six new teachers holding Ph.D. degrees is Dr. Thomas L. Noack, 801 Fairground Rd. Noack was educated at Iowa State University and has been a research specialist for both Columbus and Autonetics Divisions of North American Aviation. He will be teaching Feedback

Control Systems and Analog Computer Techniques at MSM. Noack and his wife, Fay, have one daughter.

Instructors who have been added to the faculty, are Ross K. Heitzmann, 716 Salem Ave., of the University of Minnesota; Gary K. Maki, 214 Scioto, St. James, of Michigan College of Mining and Technology; Danny M. Neal, 1301 North Oak, from West Virginia Institute of Technology; and Robert C. Peirson, Route 1, of the University of Missouri at Rolla.

UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Fri., Sat. Sept. 24-25
'The Lively Set'

James Darren & Pamela Tiffin

Sun., Mon., Tues., Wed.

Sept. 26-29

Sunday Continuous From 1 p.m.

'I'll Take Sweden'

Bob Hope & Tuesday Weld

RITZ THEATRE

MOVIES ON WIDE SCREEN

Thurs., Fri., Sat. Sept. 23-25

Saturday Continuous From 1 p.m.

'The Family Jewels'

Jerry Lewis & Sebastian Cabot

Sun., Mon., Tues. Sept. 26-28

Sunday Continuous From 1 p.m.

'The World of Suzie Wong'

William Holden & Nancy Kwan

Starts Wednesday, Sept. 29

Thru Oct. 5

Saturday Continuous From 1 p.m.

This Picture is for Adult

Viewing

Admission: 90c

'What's New

Pussycat?'

Peter Sellers & Peter O'Toole

ROLLA DRIVE IN

SHOWS START AT 7 P.M.

Fri., Sat. Sept. 24-25

'The Man From the Diner's Club'

Danny Kaye & Cara Williams

—PLUS—

'The Gun Hawk'

Rory Calhoun & Ruta Lee

Sun., Mon., Tues. Sept. 26-28

'McClintock'

John Wayne & Maureen O'Hara

CLOSED SEPT. 29-30

RUDY'S PACKAGE STORE

LIQUOR — BEER — WINE

DRAFT BEER

703 Pine Street

RUDY'S BAR

BUDWEISER DRAFT

BIG HAMBURGERS

LONG INSURANCE AGENCY

A. E. Long, M. S. M., Ex '22
810 Pine St. ROLLA, MO. Phone 364-1414
"Service Is Our Business"

IT'S HERE! CONTINENTAL FAMILY HOBBY CENTER

Featuring
MODEL CAR RACING
2 TRACKS — 16 LANES — ALSO DRAGSTRIP

813 Pine Street (Downtown)

Rolla, Missouri

Diehl Montgomery, Inc.

ROLLA, MISSOURI

FORD — LINCOLN — MERCURY — T-BIRD — CONTINENTAL

See Us for Your Special Student Pay Plan

on New or Used Cars.

Payments Tailored While You Are in School and Out.

Miner Editorials and Letters

On the Other Side of The Transit

A Columbia Hit and a Miss

The People's Choice, UL 3385, Ferrante and Teicher. This album found its origin in the tons and tons of fan mail which Arthur Ferrante and Lou Teicher have received since their first recording success of "Exodus" several years ago. Almost every letter carried requests for songs to be recorded and so this keyboard team and Columbia Recording journeyed out to meet those most requested of songs. The result is an album of one dozen songs that are excellently performed and each a great song in its own right. It is this quality — that every song is enjoyable and that there is no 'filler music' — that teams up with the mastery of the Ferrante-Teicher touch that makes this album of real worth.

Outstanding selections on this recording are the beautiful and haunting sound of *Charade*, the powerful 007 music of *The James Bond Theme*, an elegant and sophisticated bossa nova version of *The Girl From Ipanema* and that Streisand sound of *People*. Other familiar melodies are *Hello, Dolly*, *Georgia On My Mind*, *Everybody Loves Somebody* and *Call Me Irresponsible*. There is even a selection for all Beatle fans in *And I Love Her*.

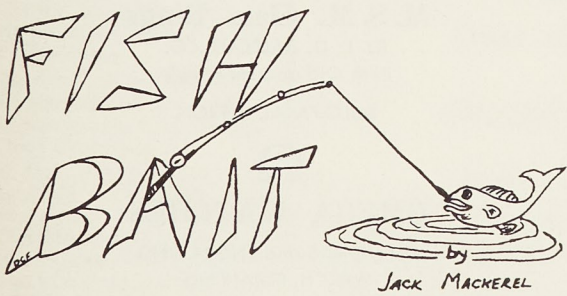
With a lush orchestral accompaniment forming a colorful background, Ferrante and Teicher make these brilliant songs fresh and vibrant. The result speaks for itself.

My Fair Lady, CL2195, Andre Previn and his Quartet. This is the fourth release by Columbia Records of the music from that most-popular-of-all-musicals *My Fair Lady*. The first was the original Broadway Cast Album with Julie Andrews and Rex Harrison and was an easy million seller. Andy Williams followed with his vocal selections from that show and another million seller. Then came the album from the motion picture and another financial success. But the latest Columbia attempt will be lucky to pay Andre Previn the standard wage for his time of performance.

What Mr. Previn has attempted to do is to take a score of a show I previously thought indestructible and make 'it swing.' Unfortunately there is no pattern or idea behind his development and interpretation of the score. What he has left his listening audience with is a hodge-podge of different tempos.

I'm An Ordinary Man begins as a tango which is not altogether hard to swallow. But suddenly as though the divine Muses had inspired him, Previn bursts into what he calls an "improvisation" which sounds like a cross between *God Bless America* and *Twist and Shout*. *I Could Have Danced All Night* loses all the beauty it ever possessed as it transformed into a night club atmosphere and made 'to swing.' At last, the listener reached *The Rain in Spain* and is now ready 'to swing' for the song almost demands it. But Previn has other thoughts as the listener is dragged through a slow ballad form.

When Professor Higgins succeeds in outdoing everyone, his friends said joyously "You did it, you did it." When Previn released his album, I cried "You did it, you did it" — you ruined what seemed an indestructible score. I guess we each have our own peculiar talents.



Well, two weeks of 'school' have passed us by already with only *Miner* casualties. Someone sure knew what he was doing when he broke up those two horrifying weeks with a semi-party weekend in St. Louis. It gave everyone (at least everyone from St. Louis) a last fling with his little honey before facing the long months ahead.

Speaking of brilliant planning ahead, a good pat on the back . . . or slightly lower . . . is definitely in order for whoever was responsible for scheduling a Physics quiz and our annual Homecoming celebration on the same weekend. This doesn't speak too highly for our inter-departmental communications. I realize that a school of our caliber must be tough and unsympathetic in order to prepare its graduates for 'the rough road ahead,' but still in all it seems that this could easily be accomplished without depriving a group of hard-working engineers of one of their few breaks during nine months of "Hell on Earth." I don't believe that breaking up a party weekend is going to give anyone a *Fuller* understanding of Physics — in fact, it will probably start everyone off resenting the entire department.

Taking for granted that nothing will be done to rectify this situation, I just hope that those of you who are responsible will enjoy YOUR party Friday night of Homecoming and I just ask that you propose a toast to those dedicated enough in their pursuit for learning to endure the burden of your inability to plan ahead!

THE MISSOURI MINER



THE MISSOURI MINER is the official publication of the students of the University of Missouri at Rolla. It is published at Rolla, Mo., every Friday during the school year. Entered as second class matter February 8, 1945, at the Post Office at Rolla, Mo., under the Act of March 3, 1879.

The subscription is \$1.25 per semester. This Missouri Miner features activities of the Students and Faculty of U. M. R.

Editor-in-Chief Ken Kuebler
707 State — 364-2731
Business Manager Charles Hansen
500 W. 8th Street — 364-9993
Managing Editor Gene Albrecht
Make Up Editor Don Flugrad
Copy Editor Frank Fix
Secretary Charles Painter
Features Editor Jim Kochs
Photographer Ron Altman
Advertising Manager Dave Riley
Circulation Manager Tim Handlan
Sports Editor Jim Weinel
Technical Advisors Steve Neusel, Larry Yates

CRYING OUT LOUD

With such a display of approval, the prof (whose name I will not reveal, but rumor has it that the last name is the same as the owner of a well known campus store) further outlined his plan. "Next semester," he cackled "we could change a few freshman books, such as, Chem, Calculus, Graphics, and English; if this does not make it easier for us to get a copy then we could get the Physics Dept. to change books in the middle of the semester." This really went over with the Physics Dept., whose students never know what book to use anyway. One Physics Prof explained it to me this way. Said he, "It's really quite simple, if you took 21 before 1965 then you need only a 25 book for 25, but if you flunked, then you need a 21 and a 25 book for 21. However, if you took 21 during 1965, then you need both books for 21 if you flunked, and for 25 if you did no flunk. But if you are taking 25 this semester and have both books, then you should sell the one and just share a book for a month with a 21 student, because we are going to change books next semester. If you are taking 21 then you should buy only one and share a book with a 25 student because we are going to change the book for 21 too."

"Should you flunk either course this semester then you will have to buy the new book, but you can not pass 'Go' or collect \$200 . . ." After thanking the babbling Prof I wondered if it just wouldn't be easier to get a whole new Physics Dept. in a new building and turn the old Physics Building into a state hospital.

"Now Is the Time"

Extra-curricular activities are just as much a part of college life as long lines and hours of studying. They help an incoming student to become better acquainted with the college, gain new friendships, and in general to help round out his life at college.

MSM is fortunate to have so many campus organizations that include the interests of practically

any student.


Besides the twenty social fraternities and service fraternities, there are many special interest groups and clubs on campus for everyone.

While each department offers activities for those enrolled in this particular department, many have activities open to everyone.

For those athletically inclined,

intramural sports offer many choices.


Now, while school and departmental mixers are being held, is a good time to take a look at the organizations available on the campus and make your decision on which would be best for you. They are all important and necessary parts of college life.



HE'S ON THE WAY!

THE MAN FROM SUNRAY DX OIL COMPANY

WITH THE FACTS ON YOUR FUTURE IN AMERICA'S FASTEST-MOVING MAJOR OIL COMPANY



He's searching for men with Bachelor's or Master's Degrees in ChE, PE, GenE, EE, MetE, Geol, ME.

Sunray DX is a major oil company, active in all phases of the industry, including exploration, production, manufacturing, transportation and marketing operations within the continental United States and abroad.

Sunray DX is on the move and there are opportunities for advancement in every area of the company.

OCTOBER 5

STOP BY THE PLACEMENT OFFICE

Pick up a copy of "This is Sunray DX" and make an appointment to...

SEE THE MAN FROM SUNRAY DX OIL COMPANY



Phi Kaps Move Into New Home One Year After Fire Destroys Old House

After patiently waiting for a year, the men of Phi Kappa Theta have now moved into their new house. The new structure was built at the same location of their old house, destroyed by fire two summers ago. The two-story white brick structure has room for about 60 Phi Kaps.

The reception room of the house is the first room on the left side of the hallway. The room has wall to wall carpeting and all new furniture. The telephone and intercom system of the house occupies a small corner of this room.

Continuing down the left side of the hall, the next room is a walk-in closet. This provides a convenient place for the books and jackets of the Phi Kaps and their guests.

The last room on the left is the card and television room. This room also has all new furnishings, and is nearly soundproof to the rest of the house.

Across the hallway from the reception room is the dining room. It presently accommodates 50 persons with ample room for more tables if necessary. All tables, chairs, and cabinets in the dining room are new.

Adjoining the dining room, but separated by a sliding curtain, is the spacious chapter room. The new furniture in this room provides a place for comfortable relaxation after a hard day of school. On party weekends the sliding curtain will be opened and will provide two large rooms for the party festivities.

The dining room, chapter room, and card and TV room are all finished with wood paneling. The piped-in music provides additional enjoyment to the members. Sliding glass doors in the chapter room and card room enable easy

access to the surrounding patio. The patio furnishes a cool place to congregate in the evenings, as well as extra dancing space for a party weekend.

The kitchen is located on the right side of the dining room. New facilities including an electric dishwasher affords much

house is made up of study rooms and two sleeping porches. All the study rooms also have new furniture. Each man has a large desk with a formica top and a spacious wardrobe. The excellent acoustics and lighting system provide ideal study conditions.

The basement of the house is



The new Phi Kappa Theta house is located at 8th and State. The old house was destroyed by fire two summers ago.

more convenience and efficiency in the kitchen.

Three study rooms comprise the remainder of the first floor. These study rooms were part of the old sleeping porch which was saved from serious damage from the fire.

The second floor of the new

just roughed-in and is used for storage. In the future this spacious basement could be converted into any type of room needed.

The Phi Kaps are truly proud of their new house and hope to continue improvements, which will, in turn, help improve our MSM campus.

Army Reserve Commissions Given to Nine Graduates

Nine MSM graduates were commissioned second lieutenants in the U. S. Army Reserve during the summer commencement on July 31. Dr. Elmer Ellis, President of the University of Missouri, presented the commissions to the newly appointed officers. They had been administered the Oath of Office by Lt. Col. John W. Park, Jr., Assistant Professor of Military Science.

Six of the new lieutenants commissioned at the School Commencement are from Missouri. They are: Ralph S. Barr, Desloge; Wesley L. Dowler, Birch Tree; Kenneth E. Eimer, Hillsboro; Charles F. Seger, III, St. Louis; William L. Wells, Wayland; and Michael A. Wicklund, Rothville. The other three lieutenants, who are from Illinois, are: Dannie R. Clarida, New Burnside; David E. Henard, Murphysboro; and Evan R. Thomas, Jr., Brookfield.

Two MSM graduates were commissioned on July 30 upon completion of the six weeks training at the respective ROTC summer camps they attended. Warwick W. Doll, Charleston, W. Va., commissioned at the ROTC Camp at Indiantown Gap, Pa., and Guy R. Mace, Springfield, Mo., was commissioned at the ROTC Camp at Fort Bragg, N. C.

MSM, with nine, had the second largest group of cadets commissioned as second lieutenants in the U. S. Army Reserve at the closing and commissioning ceremonies of the 1965 ROTC Summer Camp at Fort Sill, Oklahoma, on July 27. These MSM cadets

(all from Missouri) were: David A. Britton, Kansas City; Thomas A. Hrachich, Brentwood; Carlton T. Lewis, Kirkwood; John F. Limberg, St. Louis; Jerry J. Moser, Fredericktown; Harvel E. Welch, Jr., Marshall; Donald L. Wengler, Viburnum; Raymond L. Wills, Salem; and Richard C. Woodington, Rt. 4, Box 134, Rolla.

The cadets who were appointed as second lieutenants at the close of the summer camps had previously completed requirements for their baccalaureate degrees but had not completed the ROTC summer camp training.

FOR SALE

Portable Philco TV with stand; desk; and bicycle.
Phone 364-1411.

Delta Sig Receives National Award for High Scholarship

Members of Delta Sigma Phi social fraternity at MSM have received national recognition excellence. The Delta Epsilon chapter at the University ranked number one among 68 chapters of the men's organization.

Because the University grants degrees only in the specialized areas of engineering and science and due to the difficult nature of the curriculum, this scholastic achievement becomes more significant.

Delta Epsilon chapter, 200 W. 18th, Rolla, was also awarded the 1964-65 MSM Interfraternity Council Scholarship Trophy with a grade average (on the 4.00 system) of 2.52. All men's grade average at the University was 2.29. The 36 members of Delta Epsilon chapter were first among 18 fraternal organizations on the Rolla campus. Since its founding in 1957, the group has won the Trophy six times.

According to Delta Sigma Phi scholarship chairman, Ronald A. Stratman, Vienna, Mo., his fraternity places scholarship first in importance for its members. A sophomore in civil engineering, Stratman says Delta Sigma Phi pledges are required to study three hours daily during their first semester. An \$80 award (one month's fraternity expenses) goes to two new members showing the best first semester grade average. A scholarship plaque is awarded twice yearly to the initiated member showing the greatest scholastic improvement and the man with the best grade average. Last year's winner, boasting a 3.94 average, was James L. Butler, St. Louis, a June '65 electrical engineering graduate.

Membership requirements state that a MSM student must have an average of "C" or better to be initiated into Delta Sigma Phi. The local alumni control board also emphasizes scholarship in its dealings with the social organization.

Second in national Delta Sigma Phi scholastic rank was the University of Southern California

chapter. Southern Methodist University took third honors. Engineering and science students of the Georgia Institute of Technology chapter were rated fourth; the University of Florida, Delta Sigma Phi group, fifth.



DON McCANN
(M.E.) of the '60 Bethlehem "Loop" Course is a key man in the engineering department in our giant plant near Buffalo, N.Y. He's typical of young men on the move at Bethlehem Steel.

Seniors and graduate students in engineering and non-technical curricula will soon be interviewed for the 1966 Bethlehem Loop Course. We offer splendid career opportunities in steel plant operations, research, sales, mining, accounting, and other activities. For detailed information, pick up a copy of our booklet, "Careers with Bethlehem Steel and the Loop Course," at your Placement Office.

An Equal Opportunity
Employer in the Plans for
Progress Program

**BETHLEHEM
STEEL**



M. S. M. Class Rings

BY L. G. BALFOUR CO.
Both Old and New Style

BULOVA ACCUTRON



OMEGA WATCHES

DIAMONDS and ENGRAVING
WATCH REPAIRING

Christopher Jewelers

805 Pine Street



WELCOME MINERS

From

Russell's

Town & College Shoppe

713 Pine

GANT
SHIRTMAKERS

"Rolla's College Shop"



Coterie Little Theatre Presents Popular Comedy

"Send Me No Flowers," a comedy in three acts, will be presented tonight and tomorrow night, Sept. 24 and 25, by Coterie of Faculty Wives Little Theatre. The performances will begin at 8:00 P.M. at the Old Junior High School, 8th and Cedar Streets. Admission is \$1.00 for adults, 75c for students.

The comedy is about the marriage of Judy Kimball and the complications that occur when George, a hypochondriac, mistakenly thinks he will soon die of a tricky heart. George is played by Mr. Leslie Blumberg and Emerlee Craine Rhea will portray Judy. The plot thickens upon the arrival of Bert, an old college friend of Judy's, played by Dr.

Robert Moore. George is aided in his plans for Judy's future without him by his next door neighbor, Arnold, played by Mr. Robert Betten. Upon hearing of the imminent death of his best friend, Arnold promptly ties on a three day drunk. During this time Arnold mows George's lawn, consoles him, and writes his eulogy.

Others in the cast are: Mr. Charles Edwards, the cheerful cemetery plot salesman; Dr. Delbert Day as Vito, the delivery boy; Mrs. John Francis as a girl; and Mrs. G. Edwin Lorey as Miss Mason, a call girl.

MSM students will enjoy this witty, adult comedy by the Coterie Little Theatre.

Geophysical Observatory Alters Various Equipment

Three under-water gravity meters donated by Esso Production Research Co., a subsidiary of Humble Oil and Refining Co., are now being changed from oil exploration to earthquake detection equipment for use in the MSM Geophysical Observatory. The Geophysical Observatory has recently been formed on this campus to accelerate geophysical research at MSM.

The gravity meters were designed several years ago by Dr. Hughes Zenor, director of the MSM Observatory, while he was an Humble employee.

Used to determine gravitational attraction on the earth's surface, the heavy equipment was developed to record information for oil and mineral exploration. Humble used the instruments in water-covered areas, lowering them from a boat and taking readings by remote control. To be adapted as earthquake seismometers, the meters will require some modification.

Data will be gathered by the meters and recorded on magnetic tape. It will then be transmitted by long distance telephone to the MSM laboratories.

Thus, it will be possible to determine the position and magnitude of earthquakes a few minutes after their occurrence.

The first remote control observatory in the world was opened early in 1965 on the west coast, sending signals to the University of California at Berkeley. It is part of a chain of coastal and geodetic survey stations.

The Humble donation will allow establishment of just such

Graves Promoted To First Class

Staff Sergeant Mack M. Graves, Administrative Noncommissioned Officer of the MSM Military Department, received promotion to the grade of Sergeant First Class. The ceremony was held in the office of the Professor of Military Science on September 20.

SFC Graves came to MSM from assignment with Headquarters, U.S. Army Advisory Group, Korea, on November 9th, 1964. He entered the Army at his home town of El Dorado, Arkansas, in July 1956.

Two New Members Bolster Ranks Of Military Staff

Captains Paul P. Chapman, Ronald E. Dale, and James I. Spencer are new members of the MSM Military Department. Capt. Spencer joined the Military Dept. on June 16; Capt. Chapman joined on July 12; and Capt. Dale joined on August 17.

Captains Chapman and Spencer came to MSM from the Engineer School, Ft. Belvoir, Va., where they had completed the Engineer Officers Career Course. They were commissioned through ROTC and have accepted appointments in the Regular Army. They both received bachelor of science degrees in civil engineering upon graduation from their respective colleges. Capt. Chapman graduated from Norwich University, Northfield, Vt., in June 1957. Capt. Spencer graduated from the Citadel, Charleston, S. C., in June 1961.

Capt. Dale came to MSM from Teheran, Iran, where he was serving with the U.S. Military Assistance Advisory Group to Iran. He graduated from Michigan State University, East Lansing, Mich., in 1954, where he was commissioned a second lieutenant through the Reserve Officers Training Corps. He entered active duty in the Army in January 1955, and served a tour in Korea during 1957-58. In addition to having completed the Associate Air Defense Officers Career course, he is a Senior Army Aviator, holding proficiency both as a fixed wing and rotary wing aviator.

STUDENTS WE SELL TO YOU WHOLESALE HOOK AUTO SUPPLY

513 Hiway 63 South

Rolla, Mo.

— MINERS — Come to Loaf & Play AT FISHER'S DRIVE-INN AND Golf Driving Range HIWAY 63 SOUTH

WHAT'S YOUR TOBACCO, FRED?

COPENHAGEN. GO AHEAD, TAKE A PINCH.

THIS COPENHAGEN IS GREAT. THAT'S REAL TOBACCO TASTE!

SURE IS. AND COPENHAGEN LEAVES BOTH HANDS FREE, TOO.



DATED FOR FRESHNESS **Copenhagen SNUFF** **TRY A PINCH OF REAL TOBACCO TASTE**

Enjoy Copenhagen: Place a small pinch between cheek and gum. No chewing.

School Receives Grant For Reactor Facilities

A grant of \$11,925 for educational equipment for the Nuclear Reactor Facility at MSM has been received from the Atomic Energy Commission.

This equipment, which will be installed during the current school year, will expand the educational uses of the reactor, chiefly in the study of nuclear physics and activation analysis. New equipment will include a pneumatic transfer tube for rapid insertion and withdrawal of samples from the reactor, which will improve the efficiency and accuracy of activation analysis experiments.

One of the newer and more useful analytical tools, activation analysis has received widespread publicity as a method of detection of criminal cases. Recent tests of Napoleon's hair have shown an unusual amount of arsenic, indicating he may have been poisoned. In this type of analysis, the sample is made radioactive and all elements in the sample are readily identified because of the difference in the rate of atomic decomposition of each type of atom.

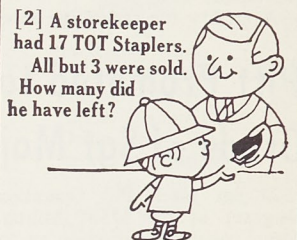
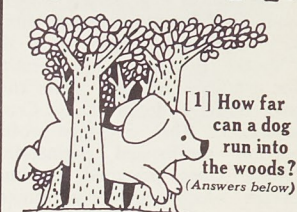
Another use for the equipment will be in the study of nuclear structures, many of which are extremely short-lived and require rapid counting after activation.

The nuclear science and engineering program at MSM has courses available in metallurgical engineering, ceramic engineering,

mechanical engineering, physics and chemistry, Dr. Edwards said. The Ph. D. and M.S. degrees in nuclear engineering are offered, and the nuclear engineering degree is available as an option in metallurgical engineering for the B. S. degree.

The Reactor on the Rolla campus, the only operational reactor in the state, was completed in 1961.

Swingline Puzzlements



This is the Swingline Tot Stapler



No bigger than a pack of gum—but packs the punch of a big deal! Refills available everywhere. Unconditionally guaranteed. Made in U.S.A. Get it at any stationery, variety, book store!

Swingline® INC.
Long Island City, N.Y. 11101

ANSWERS: 1. Half-way. After that, he's just about the best little school item you can own! 2. 14. A storekeeper has 17 TOT Staplers. Students are buying them like crazy, because next to the popularity of TOT Staplers, students are just about the only ones who buy them. And, that's just about the only way to the woods! 2. Three!

NEW IN ROLLA NATIONAL FRANCHISE



As advertised in Life, Holiday, Glamour, Business Weekly, Esquire Magazines, and ABC Television and Radio.

**ONE HOUR DRY CLEANING DAILY FROM 9 A.M. - 4 P.M.
INCLUDING SATURDAY**

LAUNDRY SERVICE — EXPERT ALTERATIONS

121 West 8th St.

Telephone 364-6063

M.E. Department Acquires New Shock Tube From Nooter Corp. for Lab

Nooter Corporation of St. Louis, in cooperation with officials of MSM, has designed a high-powered shock tube for the mechanical engineering department of the University.

The device, 27 feet of carbon and stainless steel, has been appropriately nicknamed "Nooter Booter." Built by Nooter Corp., fabricators of steel and alloy, and assembled by a University graduate student, the shock tube has "booting" capabilities above Mach 10.

William A. Crede, Westphalia, a mechanical engineering student, built instrumentation and auxiliary equipment which put the "Nooter Booter" into operation for graduate research. The tube was initially designed by Crede and L. G. Rhea, assistant professor of mechanical engineering. Nooter Corp. prepared the final design, which provides a primary driving power of 10,000 pounds per square inch.

A facility for generating shock

waves such as sonic booms, it will be used at MSM for research in areas of chemistry, physics and engineering.

Prof. Rhea explains, for example, that transonic flight tests can be simulated by putting airplane models inside the shock tube and testing resistance to air

pressures. Eventually an apparatus will be installed to photograph experiments as they are performed inside the tube.

The "Nooter Booter" weighs approximately 4,800 pounds and is put together with bolts 2 1/4 inches in diameter. It is the largest in the state of Missouri.

Grants to MSM From the NSF Total \$36,000

Two grants totaling \$36,100 have been made to MSM by the National Science Foundation for the purchase of undergraduate instructional scientific equipment.

A grant of \$23,500 was made to the chemical engineering de-

partment and \$12,500 to the electrical engineering department. Equal funds will be provided by the University for the purchase of the equipment.

The chemical engineering grant will be used to establish a precision measurement laboratory and an industrial instruments laboratory and for purchase of additional equipment. A physical electronics laboratory and a digital computer circuits laboratory will be established by the grant to the electrical engineering department.

Pitt Promoted to Grade of Sgt. Maj.

M. Sgt. Joe L. Pitt, Operations Sergeant of the MSM Military Dept., received promotion to the grade of Sgt. Maj. (E-9) on July 12th, while on temporary duty at the ROTC Summer Camp at Fort Riley, Kan.

Sgt. Maj. Pitt has been serving at MSM on his current assignment since October 1963. He had previously been assigned to the MSM Military Dept., from October 1960 to the summer of 1962. He has had three tours of duty in Germany and two tours in Korea. He was in Germany in 1945, and was in Korea during 1950-51.

ORDER
YOUR
RING
NOW!



JOHN ROBERTS
SCHOOL
RINGS

The Most Respected
Symbol of Your
Educational
Achievement

CAMPUS
BOOK STORE

Every Science, Engineering and Math student should know about CSSTP before he makes up his mind about a career.

Sign up now at your placement office to get the story on CSSTP—from the IBM interviewer
October 19-20

CSSTP means Computer Systems Science Training Program. It's an extraordinary IBM program that enables you to use your technical knowledge and problem-solving skills in new, exciting ways. Ways that may never occur to you unless you talk to the IBM interviewer.

He'll show you how CSSTP leads to exceptional career opportunities with IBM Data Processing.

He'll tell you about the vital role of IBM's Marketing Representative. How he goes into major businesses to help solve their urgent management and control problems. He'll spell out the challenges which face IBM's Systems Engineer.

How he studies customer needs and computer requirements, and develops systems solutions to their problems.

In short, he'll describe all the unusual assignments in IBM's more than 200 offices from coast to coast. All are places where you can grow with IBM, leader in America's fastest-growing major industry: information handling and control.

So don't miss your IBM interview. Visit your placement office and sign up now. If for any reason you can't make it on campus, feel free to visit your nearest IBM branch office. Or write: Manager of College Relations, IBM Corporate Headquarters, Armonk, N.Y. 10504.

Whatever your plans, before you hit upon a career, see if IBM doesn't make a hit with you.

Whatever your area of study, ask us how you might use your particular talents at IBM. Job opportunities at IBM lie in eight major career fields: (1) Marketing, (2) Systems Engineering, (3) Programming, (4) Research and Development, (5) Engineering, (6) Manufacturing, (7) Finance and Administration, (8) Field Engineering. IBM is an Equal Opportunity Employer.

IBM
DATA PROCESSING DIVISION

MINER SPORTS

FRIDAY, SEPTEMBER 24, 1965

THE MISSOURI MINER

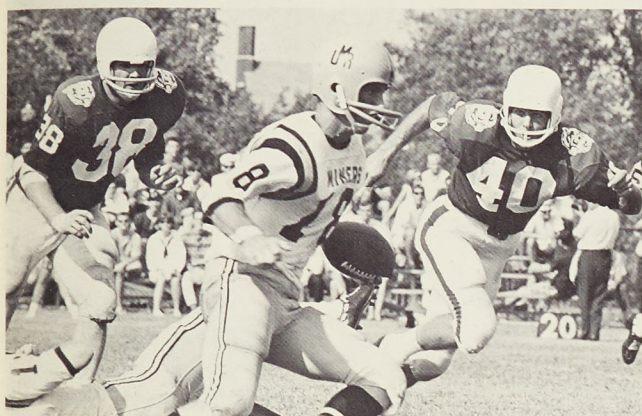
PAGE 7

Traditional Duel Ends in Defeat As Battlin' Bears Down MSM, 19-6

by Lloyd J. Lazarus

The Washington University "Bears" successfully battled 90-plus degree temperatures and a stubborn MSM "Miner" football team for a 19-6 victory. This was the opening game for both teams.

The MSM defense led by Bill Key, Bob Yates, and John Henry held the Bears to only one touchdown in the first half even though the Miners had their backs to the goal line most of the time. In the first half Washington U. was within our 10-yard line three times and were only able to score once on a run of four yards by Tom McConnell. The point after touchdown was good.



Miner quarterback Ron Lewis breaks loose from Bear attack.

Poor field position accounted for our poor offensive showing in the first half. Ron Lewis was able to complete 5 of 9 passes for 34 yards. On the ground, we were able to gain 39 yards. One of Lewis' passes was intercepted and this stopped a Miner drive that had started on our own 18 yard line.

Rugby Club To Begin Early Practice Sessions

At a meeting last Thursday evening, the Rugby Club decided that practice and pre-season games will begin in November instead of February. The Rugby Club will hold meetings until the varsity football season is over, followed by work-outs and practice games that will begin in late November. In addition to this, a game is to be scheduled against the University of Kansas ruggers, which will be held here or there depending on transportation and other factors. More information will follow about the Kansas-MSM game when the date is made available.

After two successful seasons in the Missouri Rugby Football Union, our Black team will be ready for action with most of the two-year veterans back on the squad. Led by field co-captains Don Bacich and Dick Woodfield, the Blacks feel that they now have the experience to win the championship in an extremely tough and competitive league.

The Gold team, with last year's game experience behind them, feel that they will win more games in a league where most of the teams have played together a minimum of five years. They, like the Blacks, have the major portion of their team returning this year, but welcome anyone who is interested in the sport to try out.

STATISTICS				
— Score by Quarters				
MSM	0	0	6	0—6
Wash. U.	0	7	0	12—19

— Scoring —	
MSM—Lewis to Pfeifer (pass, 26 yards).	
Washington U. — (1) McConnell (run, 4 yards); (2) McConnell to S. Jones (pass, 5 yards); (3) Goodman (run, 5 yards).	

— Statistics —	
MSM	Wash. U.
9 First Downs	16
57 Yards Rushing	199
128 Yards Passing	165
26 Passes Attempted	23
13 Passes Completed	10
0 Passes Intercepted	1
7 Punts	5
0 Fumbles	1
0 Fumbles Lost	1
45 Yards Penalized	20

yard pass play from McConnell to Jones, and another on a four yard end sweep. Both PAT's were not good.

Late Rally Fails

In the final minutes of the game the Miners started another drive on our own 37 yard line. Thirteen plays later time ran out with the football on the Bear 2 yard line. A penalty on the next to the last play nullified a touch down and put the ball on the 7 yard line. During the drive, Eddie Wrinkle, a freshman, replaced Lewis and completed 4 of 5 passes for 45 yards.

The game also had its excitement off the field. Sgt. Harold Blase of the Washington University Military Department and his wife were injured during the game. An aerial bomb misfired and ignited the box of remaining explosives. The aerial bombs are set off after a Washington U. score. During the explosions that ensued, Sgt. Blase

(Continued From Page 8)

Cross Country Adds To Intramural Activities

Intramural harriers will get their chance to prove themselves one week from today, when the event will be run off at the MSM golf course. All entries are due on Monday, October 4, with each organization being allowed a total of two entries.

Last year's top runner was Donald from Kappa Alpha (time 10:34.8). Lambda Chi Alpha took the team championship due to the effort of Warren and Ingram.

Currently tops on the intramural scene of activities is flag football, now in its first week of competition. Twenty-nine seven man teams are scheduled for play to continue through November 2. Play-offs will be held November 3, 4, and 5.

Phi Kappa Theta holds the 1964 pigskin title, and Sigma Nu was the team runner-up. Official Intercollegiate Football rules will apply, with certain exceptions.

Tuesday also marked the start of tennis singles and table tennis play. Tennis squads will consist of three men, one being an alternate. A contest will constitute one nine-game set; the first man to win nine games takes the match.

The International Fellowship copped championships in both the table tennis singles and doubles competition last year. Al Hoshimi was the top man in singles,

and the team of Tashniwal-Parikh took the doubles honors.

Tech Club was the tennis singles team champion in the fall of 1964, however, Lambda Chi's Moore was the top man. Intramural points for tennis singles will be based on one-half of the total number of points for both singles and doubles. As in previous seasons, doubles matches will be scheduled in the spring semester.

Official rules for all intramural events are posted in the lobby of Jackling Field House, and up-to-date standings will be indicated for each sport currently in play.

FLAG FOOTBALL LEAGUES

League I

Phi Kappa Theta
Lambda Chi Alpha
Sigma Tau Gamma
Acacia
Sigma Pi
Theta Xi
Snamrock Club
Kappa Phi

League II

Sigma Nu
Pi Kappa Alpha
Prospectors Club
Engineers Club
Alpha Epsilon Pi
Delta Sigma Phi
Army Association

League III

Kappa Sigma
Triangle
Tau Kappa Epsilon

(Continued on Page 8)

Sports Calendar

VARSITY FOOTBALL

September 25 Kansas State Teachers College, at MSM

VARSITY CROSS COUNTRY

October 2 Washington University, at St. Louis

INTRAMURAL SPORTS

October 4 Entries due for Cross Country

October 8 Cross Country Run

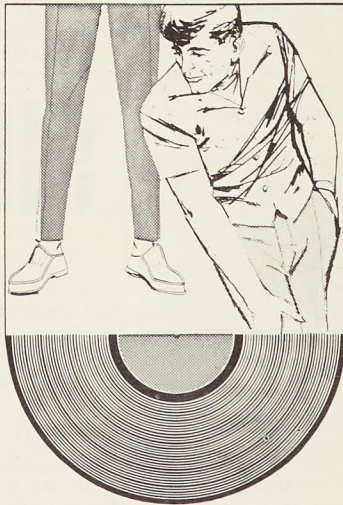


VOLKSWAGEN
Sales and Service

BILL SOWERS MOTORS

Phone 364-5178 Hwy. 66 E. in Northweye

Permanent LP Pressing in slacks of "DACRON" and cotton. These Long Play casual slacks of easy-care 65% Dacron* polyester, 35% combed cotton sing the same score again and again. It goes like this: "Wear 'em, wash 'em, dry 'em. Then wear 'em again . . . they never need ironing." We guarantee it in writing. Caper Casuals with LOCK-prest Koratron finish return to their original pressed, crisp, neat appearance—ready when you are—the moment they're dry. And "Dacron" makes these textured fabrics rich and long-wearing. About \$7.95.



Please don't press our
CAPER Casuals ever!
in "DACRON"

SMITH BROTHERS MFG. COMPANY
CARTHAGE, MISSOURI

*DuPont's Reg. T.M.



GUARANTEED
never to need ironing
or your money back.

OUTLOOK GOOD

Pittsburg Kansas Invades MSM; Miners Seek Revenge

"They're not as big as they have been in the past few years!" Miner Coach Dewey Allgood had this to say about the Kansas State Teachers of Pittsburg, who will be invading Jackling field tomorrow for the second encounter of the nine-game schedule. MSM squadmen will be out to seek revenge for the 24-0 shut-out handed them last season by the Gorillas.

Allgood was referring to the average size of the Kansas team, which by the way, defeated Central Missouri State 23-6 in a contest at Warrensburg Saturday. Scouting reports indicated that the Gorillas do have fairly good speed and are basically a power offense team.

Most outstanding in the Kansas State line-up would be the full back, weighing in at 195 pounds. Holding title to this position is senior Elgin Strahn from Fairview, Missouri. Ron Vignery will quarterback for the Gorillas.

The line-up for the Missouri Miners will stay essentially the same as last week, with the possible exception that Ken Price may replace DeBold if a recent injury does not clear up. If this would be the case, Ray Kucenas would be substituted as the full back.

On October 2, the MSM club

SMS, NEMO, and Maryville Win In Weekend Games

Southwest Missouri State, Northwest Missouri State of Maryville, and Northeast Missouri at Kirksville were the only three MIAA schools to register victories in football action over this past weekend. All six squads did see action, but actual conference play is not slated to begin for several weeks.

Emporia State of Emporia, Kansas, fell under the claws of the SPRINGFIELD BEARS, 38-13 Saturday night, behind the efforts of backs Pat Hogan and Cornelius Perry. Trailing 7-0 at the end of the first quarter, SMS bounced back with three second quarter TD's to lead 19-7 at the intermission and eventually win.

MARYVILLE came from behind with two touchdowns in the final minutes to defeat Wayne State Nebraska 14-7 in another Saturday night game. Bearcat veteran Leo Papas was instrumental in two of the Maryville scoring punches.

KIRKSVILLE'S BULLDOGS scored two touchdowns in less than five minutes of the fourth quarter to save a 34-21 win over Western Illinois. Both teams saw action for the first time Saturday. Kirksville traded leads with Western several times in the first half, eventually coming out on top at the half. Western took the lead one more time before the Bulldogs started their late rally.

CAPE GIRARDEAU (SEMO) dropped a 5-0 decision to Northeast Louisiana in a contest which was plagued by penalties. The southern team's points came on a 25-yard field goal and a blocked kick rolled out of the end zone for a safety.

In other play CENTRAL MISSOURI STATE of Warrensburg dropped one to Kansas State of Pittsburg, 23-5, and MSM lost to the Washington University Bears, 19-6.

PROBABLE STARTING LINE-UPS

University of Missouri at Rolla hosts Kansas State of Pittsburg, Kansas.

MSM		KS
Starnes	LE	Justice
Blazek	LT	Kalm
Fix	LG	Tripp
Fridley	C	Atwell
Dressin	RG	Jukes
Owens	RT	Eagan
Pfeifer	RE	Deckard
Lewis	QB	Vignery
Price	FB	Strahn
Erleben	LH	Held
Ricker	RH	Tomlin

Game Time: 2:00 P. M.

will fly to Carson-Newman College for a game, and for Homecoming (October 9), it will be MSM versus St. Mary's of the Plains. Game time for all home contests is 2 p. m.

INTRAMURALS

(Continued From Page 7)

Kappa Alpha
Alpha Phi Alpha
Wesley Foundation
MRHA
League IV
Tech Club
Sigma Phi Epsilon
Beta Sigma Psi
Fifty-Niners
Theta Chi
Baptist Student Union
Campus Club

MSM vs. WASHINGTON U.

(Continued From Page 7)

and his wife were hit by flying fragments of the bombs while screening their two children. Neither were injured seriously.

In general the coaches were encouraged with the commendable performance of such a young Miner team. This year's squad consists of thirty-five freshmen, twenty-two sophomores, only eight juniors, and five seniors. The coaches said this was the best conditioned squad in recent years (quite obvious from their play in Saturday's Indian summer heat.)

SIDELINES

BY JIM WEINEL



It was a hot day at Francis Stadium last Saturday afternoon, and don't think that those two squads out on the field didn't know it!! The fans in the stands felt the heat, but can you imagine battling 90 degree temperatures while in a knock-down, drag-em-out football duel? Both teams deserve a lot of credit for the strength and stamina displayed, and Coaches Allgood and Puddington are to be given a word of praise for their conditioning programs under which these fit athletes were trained.

According to reliable sources, we may not have to worry about the heat interfering with the 45th annual Washington U.-Miner gridiron contest, or those thereafter. Officials of the two institutions have put their heads together and come up with THANKSGIVING DAY as the most favorable date for the future. Reasons for the change include scheduling problems by both teams, desire to compete later in the season, and possible increased attendance (???). Although it isn't official yet, it's pretty safe to set a date for 10:00 A. M., November 24, 1966!!

If you've taken a look at this season's intramural flag football leagues, you might have noticed that there are twenty-nine organizations entered (we had only twenty-eight last spring). The new addition is Alpha Phi Alpha Fraternity, and this is just one example of how the intramural program grows with increased enrollment. With almost 1500 students participating, all we need now are the facilities!!

Address your questions and comments to "Sidelines" c/o THE MISSOURI MINER, UMR, Rolla, Missouri.

The Harmon Football Forecast

TOP 20 TEAMS (Forecasting Average: 156 Right, 48 Wrong765)

1 - NOTRE DAME
2 - TEXAS
3 - MICHIGAN
4 - MISS. STATE
5 - PURDUE

6 - ARKANSAS
7 - GEORGIA
8 - MISSISSIPPI
9 - FLORIDA
10 - NEBRASKA

11 - ALABAMA
12 - SOUTHERN CAL
13 - MINNESOTA
14 - TULSA
15 - TEXAS TECH

16 - OREGON STATE
17 - MICH. STATE
18 - L. S. U.
19 - ILLINOIS
20 - SYRACUSE

Saturday, Sept. 25 — Major Colleges

Alabama	28	Tulane	6
Arizona	20	Kansas	14
Arkansas	14	Tulsa	10
Army	23	V. M. I.	7
Baylor	9	Washington	7
Boston College	14	Villanova	8
Bowling Green	32	West Texas	7
**Brigham Young	19	Kansas State	13
Brown	25	Rhode Island	7
Buffalo	19	Tampa	7
**Cincinnati	17	Houston	6
Clemson	15	Virginia	6
Colorado	25	Fresno State	0
Columbia	31	Lafayette	6
Cornell	18	Vanderbilt	15
Dartmouth	31	New Hampshire	0
Duke	14	South Carolina	7
Duke State	27	T. C. U.	8
Furman	20	Davidson	19
George Washington	21	The Citadel	12
Georgia	21	Florida	7
Georgia Tech	14	Texas A & M	8
Holy Cross	15	Harvard	13
Idaho	17	San Jose State	6
Illinois	27	S. M. U.	13
Indiana	21	Northwestern	20
Iowa State	39	Pacific U.	0
Kent State	14	Dayton	13
L. S. U.	15	Rice	9
Maine	24	Boston U.	6
Marshall	25	East'n Kentucky	7
Maryland	31	Ohio U.	7
Memphis State	13	Southern Miss.	10
Miami, Ohio	16	Xavier	13
Michigan	33	California	8
Minnesota	21	Washington State	10
Mississippi	17	Kentucky	14
Miss. State	17	Florida	7
Missouri	20	Oklahoma State	17
Nebraska	28	Air Force	6
New Mexico	32	Texas Western	0
New Mexico State	15	Lamar Tech	12
North Texas	32	Purdue	14
Notre Dame	28	Purdue	14
Ohio State	14	North Carolina	9
Oklahoma	14	Pittsburgh	10
Oregon	17	Utah	8
Oregon State	17	Iowa	7
Pennsylvania	13	Lehigh	7
Penn State	21	Michigan State	14
Princeton	32	Rutgers	7
Southern Cal	21	Wisconsin	6
Southern Illinois	18	Louisville	14
Stanford	21	Navy	13
Syracuse	8	Miami, Fla.	8
Tennessee	15	Auburn	14
Texas	17	Texas Tech	7
Utah State	16	Arizona State	13
V. P. I.	38	Richmond	0
Wake Forest	20	N. Carolina State	15
West Virginia	27	Liam & Mary	7
Western Michigan	37	Central Michigan	13
Wichita	14	Montana State	7
Wyoming	20	Colorado State U.	8
Yale	18	Connecticut	7

MIDWEST (small colleges)

Albion	14	Ohio Northern	13
Anderson	18	Hanover	14
Baker	36	Sterling	0
Central Oklahoma	20	Langston	17
Central State, O.	18	Northwood	7
Concordia, Ill.	24	North Park	13
Defiance	12	Adrian	7
DePauw	24	St. Joseph	7
Drake	21	South Dakota U.	12
E. Central Okla.	28	SW Oklahoma	6
Eastern Illinois	21	Ferris	0
Emporia College	19	Bethany	14
Findlay	17	Waynesburg	7
Georgetown	14	Franklin	13
Hillsdale	20	St. Norbert	15
Illinois Wesleyan	15	Illinois State	13
Kalamazoo	19	Lake Forest	6
**Kansas Wesleyan	14	McPherson	12
LaCrosse	14	Superior	6
Midland	20	Concordia, Neb.	18
Moorhead	18	Michigan Tech	14
Nebraska Wesleyan	39	Dana	0
NE Oklahoma	27	NW Oklahoma	0
North Illinois	25	Omaha	14
Northern Michigan	21	Bradley	7
Ottawa	25	Bethel	0
Pittsburg	20	Missouri Mines	12
Principia	28	Central Methodist	6
SE Missouri	19	Evansville	13
Western Illinois	20	Central Missouri	0
Wheaton	26	Eastern Michigan	8
Whitewater	20	Hope	7
Wilmington	14	River Falls	7
		Alma	12

SOUTH (small colleges)

Abilene Christian	21	Howard Payne	13
Arkansas State	20	Florence	0
Arkansas Tech	14	Arkansas A & M	6
Austin Peay	17	Murray	0
Carson-Newman	18	Emory & Henry	15
Catawba	20	Newberry	6
Chattanooga	25	Tennessee Tech	8
East Carolina	25	West Chester	8
East Texas	23	Texas Lutheran	14
Elon	19	Guilford	7
Fairmont	20	Glenville	7
Hampden-Sydney	18	Bridgewater	13
Howard	13	Jacksonville	7
Lenoir-Rhyne	21	Presbyterian	7
Maryville	27	Centre	6
Middle Tennessee	25	U. T. M. B.	10
Morehead	14	Youngstown	10
NE Louisiana	21	Delta State	20
NW Louisiana	21	Louisiana College	7
Ouachita	15	Conway	13
Randolph Macon	20	Washington & Lee	12
Salem	13	Bluefield	12
Sam Houston	38	Corpus Christi	0
Sewanee	43	Millsaps	0
SW Texas	20	Trinity	0
Sul Ross	20	McMurray	8
Texas A & I	21	Arlington	9
Troy	23	Livingston	9
West Liberty	15	West Va. State	6
West Va. Tech	20	Concord	19
Western Carolina	13	Appalachian	10
Western Kentucky	17	East Tennessee	15
Wofford	28	Frederick	0

EAST (small colleges)

Albright	21	Junia	6
Alfred	27	Brookport	12
Amherst	20	Springfield	7
Bowdoin	21	Tufts	12
Bucknell	21	Gettysburg	10
Colby	18	Coast Guard	14
Cortland	18	Antony	0
East Stroudsburg	20	Montclair	6
Hobart	14	R. P. I.	0
Ithaca	14	Southern Conn.	7
Lock Haven	27	Bloomburg	0
Lycoming	12	Grove City	8
Massachusetts	26	American Int'l	12
Millersville	23	Glassboro	12
Northeastern	33	Bridgeport	7
Rochester	25	Hamilton	8
St. Lawrence	14	Union	12
Susquehanna	18	Marietta	15
Temple	28	Kings Point	0
Vermont	36	Worcester Tech	0
Williams	30	Trinity	7

FAR WEST (small colleges)

Ariz State (Flag)	14	Whittier	7
Central Washington	19	Western Washington	14
Colorado State	14	Southern Colorado	6
Colorado Western	34	Western New Mexico	0
Davis (U of Calif)	34	Riverside	0
Eastern New Mexico	21	Tarleton	7
Humboldt	14	Hawaii	13
LaVerne	15	Cal Lutheran	12
Linfield	20	Cal Poly (S.L.O.)	6
Long Beach	32	Cal Poly (Pomona)	0
Los Angeles	30	Cal Western	0
N. Mexico Highlands	21	Colorado Mines	6
Pacific Lutheran	19	Puget Sound	0
San Diego State	32	Akron	7
San Fernando	18	Occidental	14
Santa Barbara	25	Redlands	7
Santa Clara	19	Sacramento	17

(**Friday Night Games)

SUPPORT THE MINERS

Big Thirst?
BIG PLEASURE
MAN-SIZE
PLEASURE



Distributed by
MUELLER DISTRIBUTING CO.
217 W. 6th St. Rolla, Mo.