



07 Feb 1964

The Missouri Miner, February 07, 1964

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, February 07, 1964" (1964). *The Missouri Miner Newspaper*. 1762.
https://scholarsmine.mst.edu/missouri_miner/1762

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.

Won	Lost
2	0
2	1
2	1
1	2
1	2
0	2

ster and likew
ts. Because o
in, as it has
ar activities he
its purpose of
d body. It has
manship. Thus
of gratitude is
de it possible o
tic Department
n the sports e
owe the succo
will prove to



RN
ners
Pine

E
IME



ALSTAFF

BEER
G CO.
Rolla, Mo.

Dr. Merl Baker Guest Speaker For Engineers

Dr. Merl Baker, dean of MSM, was the principal speaker at Rolla Night activities Thursday, January 23, at the Engineers' Club of St. Louis, 4359 Lindell Blvd. Dean Baker's topic was "A Changing Age in Engineering Education."

This was Dean Baker's first appearance before the St. Louis Engineers' group. A native of Kentucky, Dean Baker was executive director of the Kentucky Research Foundation and director of International Programs at the University of Kentucky before coming to Missouri.

Rolla Night at the Engineers' Club is an annual affair where alumni and prospective students from the St. Louis area meet with faculty and students from the School of Mines. Approximately

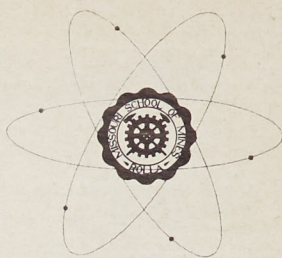
M The Missouri MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 50

FRIDAY, FEBRUARY 7, 1964

NUMBER 15



President Ellis Discusses University System and Name

400 attended. The evening began with refreshments at 5:30 p.m., followed by dinner at 6:30 and the program at 8.

Prof. Leon Hershkowitz, assistant dean of the faculty, was master of ceremonies. Dean Baker was introduced by Prof. E. W. Carlton, chairman of the department of civil engineering. Also present was Dr. Curtis L. Wilson, St. Louis, former dean of the School of Mines, chairman of all the School departments and all administrative officials, and many of the teaching faculty.

In the December 1963 issue of the "MSM Alumnus" the president of the University of Missouri System, Dr. Elmer Ellis, presented an open address to the MSM Alumni concerning the recent formation of the University of Missouri System and its possible effects on the School of Mines. Presented here by the MINER are certain pertinent facts and direct quotes from that article.

The University of Missouri System is compared in many respects to those in use in California, Texas, and North Carolina. President Ellis has stated that he expects that "there will probably be a central administrative staff headed by a President, as is done in California. Each of the campuses will in turn be under the administration of a Chancellor (already the case at Kansas City), reporting local needs to the president and the board of Curators."

A revision of the former higher educational system's structure in the state such as this will naturally produce many changes in structure on the local level at the four campuses in the system. A committee has been formed by Dean Merl Baker to investigate these possibilities at the Missouri School of Mines and to submit a preliminary report to be studied for eventual submission to the Board of Curators. One apparent immediate concern is the name of the school and the accuracy with which it reflects new conditions. These conditions are meant to include the University System and the possible changes in structure of the School of Mines. As was reported in the January 17th issue of the MINER, some recommendations made by this commit-

tee, students, and the faculty concerning the name of the school have been sent to a representative number of alumni.

What changes in structure might occur at the School of Mines? The committee appointed by Dean Baker and President Ellis foresee the possible formation of various schools within the university on this campus. For example, this could include "a School of Mines and Metallurgy, comprising ceramic, geological, metallurgical, and mining engineering departments, paralleled by a School of Engineering, comprising chemical, civil, electrical, graphics, mechanical, and mechanics departments, and a School of Science with departments of mathematics, chemistry, geology, and physics. This school's functional areas would be rounded out with a Graduate School, departments of humanistic studies, social studies, military science, and physical education, together with a grouping of research facilities including the computer science center, the materials research center,

the nuclear reactor, and the research center."

It is interesting to note that today over two-thirds of the student body is enrolled in electrical, civil, mechanical, and chemical engineering, and less than one-third in the departments of mining and metallurgical engineering and the several other curricula. These enrollment trends show no material evidence of reversal, except that there is an intensified demand for graduate preparation in all curricula.

In sum, therefore, four major paths of development seem to be shaping the course of events on this campus: "the strengthening of traditional programs; an increased emphasis in keeping with contemporary trends on the more general disciplines at the undergraduate level; the rapid enlargements of graduate student and faculty endeavor in individual and sponsored research programs; and a broadening of the required and permissive offerings in those topics usually grouped under the

(Continued on Page 7)

Thirty-four Graduates Receive ROTC Commissions

Thirty-four Missouri School of Mines and Metallurgy students who have completed requirements for a degree were commissioned as second lieutenants in the United States Army Reserve in a ceremony in the Student Union Satur-

signed as Distinguished Military Graduates, an honor conferred on those students who demonstrate the highest qualities of leadership, moral character, initiative and academic achievement. They are: Frank William King,



Dean Hershkowitz presents commission to Donald Reuling.

day morning, January 25, 1964.

The program began with an invocation by the Reverend G. Scott Porter, Pastor of the First Presbyterian Church. Doctor Daniel S. Eppelsheimer, Chairman of the Department of Metallurgical Engineering, and Professor of Metallurgical Engineering, gave a short address to the graduates before they were administered the Oath of Office by Colonel Glenn R. Taylor, Professor of Military Science. The commissions were presented by Dean Leon Hershkowitz, Assistant Dean of the Faculty.

Five of the students were de-

III, Mount Vernon, Ill., James Melvin McDuff, Manchester, Mo., Earle Raymond Neubauer, (Continued on Page 4)

St. Pat's Board Formed By Vote of Student Body

This is the first in a series of articles leading to the St. Pat's celebration. This article gives a brief description of the founding of the St. Pat's Board.

"Read all about the proposed St. Pat's Board in this issue and be prepared to vote on it Thursday, December 11 at Parker Hall." This announcement was taken from a December 9, 1930, issue of the MISSOURI MINER.

On Thursday, December 11, the student body voted on and adopted the St. Pat's Board by a three-to-one majority, a very important student body vote. This vote marked the beginning of the St. Pat's celebration as we know it today. It was not to be a mediocre party weekend, but a well organized, well financed celebration, managed by an elected group.

The St. Pat's Board of 1930-31 not only raised enough money that year to finance St. Pat's, but made over 600 dollars, thus removing any doubts about the success and future of the St. Pat's

Board.

Money made that year was obtained by the St. Pat's Board by various means, some of which are continued to this day. One of their first efforts to raise money was a raffle, the main prize being ten dollars in cash, kindly donated by friendly Rolla merchants. Other prizes ranged from a bottle of cough syrup to a pair of Bostonian shoes. School spirit must have been great in those days to get fifty cents for those raffle tickets.

Wednesday night, January 21, the newly formed St. Pat's Board held their first benefit show. "The Passion Flower" starring Kay Johnson, Kay Francis, and Charles Bickford was shown at the Lyric Theater and the proceeds were shared with the St. Pat's Board.

That St. Pat's celebration exceeded all former occasions of its kind and laid the foundation for the St. Pat's celebration as we know it today.

Interviews to Be Held In MSM's New Building

The newest addition to the MSM campus has created a problem as to its best use and adaptability. The former Missouri Geological Survey Building, better known to local residents as the Buehler building, was acquired by MSM in the early part of December and the question immediately arose as to which department would occupy the two story structure. The building was originally considered as the site for a research laboratory. After much deliberation, it was decided that the building could more easily be adapted to classroom work. The Drawing department prepared a feasibility study on the remodeling of the World War II structure. This study revealed that the costs of remodeling would be excessive and would require legislature appropriation. As a result, the second floor of the building will be

made into a permanent interview office. As many as fourteen different interviewers can be accommodated at one time. In an interview with Assistant Dean Leon Hershkowitz Monday afternoon, he commented "This is an ideal set-up for placement interviews. Immediate improvements are planned and additional improvements will be made from time to time. The Student Union has been filled to overflowing in the past semester and this new acquisition will relieve the situation."

Interviews began in the building on Tuesday of this week. The new procedure for interviewing will be to check the bulletin board outside the Ass't Dean's office as to where each company is to interview. Dean Hershkowitz is also considering a suggestion by the MINER to place an additional bulletin board at the new building.

Notice Be Sure to Pick Up Grade Report

If you were enrolled at M.S.M. during the 1963-64 fall semester and have not yet received your copy of your final grade report please come to the Registrar's Office to pick it up. Many of the grade reports were attached to the schedule cards which were picked up by students who registered on January 30 and 31. It is extremely important that you check your report to make sure that all grades are correct. Also

if you were repeating a course in which you previously earned credit make sure that the letters "REP" appear to the right of the final grade. If a repeated course is not noted as a repeat it means that you have received credit twice for the same course and consequently your grade point average has been calculated incorrectly. A very thorough check is made to make sure that no student has credit twice for a course before he graduates, but it is to everyone's benefit not to let it go unnoticed until then. If you repeat a course in which you received a grade of "F" the last time that you were enrolled it should not be marked as a repeated course.

Miner Editorials

What's Class Average?

A few years ago a cartoon appeared in the MINER which depicted a Miner presenting a test to his father with the following caption: "Yeah, Dad, I got a zero but the class average was —1, so I got a C." Grossly exaggerated, true, but still we feel a moral can be drawn from it.

An increasing number of instructors in this school are basing their grades on that old standby — "class average." This is, basically, a good yardstick to determine how much the student has obtained from the particular course. But when the class average dips below 50%, we challenge the reliability of the test itself. Unless the class is exceptionally ignorant, a test with a class average below 50% seems to us to be too difficult or the instructor failed to stress the most important facts in the material. Often the class average for an entire course, all sections included, dips under 50%! This is entirely unnecessary, and we would like the department chairmen to consider revamping their tests to try to better test the student on what he needs to know from a particular course.

A Number, Not a Name

Student-teacher relationship is an integral factor in the college training of today. Due to the overcrowding of classes and the heavy schedule of the professors, often the student finds himself a number in a seating arrangement rather than a young person striving for knowledge. This is especially true of freshmen and sophomores. We feel that a more personalized education leads to a better graduate. Often the instructor, working for his Masters degree and teaching at the same time, finds that he has little time outside of class to help the struggling or stumped student. Also, the professor is often involved in research which demands much of his time. At the same time, many students are hesitant to approach the instructor for help, afraid that his question will be a foolish one or that he will be labeled a "brown-nose" by the other students.

Freshmen are in a new environment and to a certain extent are lost. Large numbers of them are incapable of college at first because of poor study-habits or an inability to adjust to a new way of life rapidly. A carry-over of high school ideas and habits is common and can damage a college career if not curbed in time. An instructor is *qualified* to help a student make an academic transition but there isn't enough time for one instructor to help each of two hundred students. Most of the flunk-outs and drops could have been avoided if they had received help in time.

There is a common misconception that college should be cold and impersonal, thus preparing the student for "the world." This is wrong. College has one objective . . . to teach. The methods of teaching should not be for mass production of engineers, as they are now. They should be to teach the student who desires to learn. Some critics argue that, but in the case of some freshmen it may be the best way. If a student doesn't adjust after the freshman year then there can be considerations of dropping.

The loser, in this situation, is naturally the student. We think that a keener interest by the teachers in the personalities and problems of the student, coupled with a more mature outlook by the students, would result in better harmony and necessarily a better education for the MSM student.

Colleges should strive to make college for everyone who has the ability to learn. They should take away the flunk-out factor due to improper teaching of impersonal school-student relations. A student should be made to feel that he belongs — after all, who is college for?

Oldest Graduate Dies at Age 88; Class of 1891

Mrs. Sallie Millard Roach '91, died December 28, 1963, in St. Luke's Hospital, Kansas City, Mo., after a brief illness. Mrs. Roach graduated in 1891, receiving a B. S. degree in General Science. She was the School's oldest graduate in the term of the year graduated. She was 88 years old. It is most unusual too since only a small percentage of the school of Mines graduates are women. She was the widow of the late Cornelius Roach, Sr., of Kansas City, a banker and former Secretary of State of Missouri.

She was married in 1896, in Carthage, Mo., to Mr. Roach, a widower with three children. They had 11 more and all 14 were graduated from college. Continuously for more than two decades, one or more of the Roach children attended the University of Missouri. Mrs. Roach was 16 years of age when she received her degree from MSM.

In 1941, she was honored at commencement exercises, at MSM, as one of three surviving members of the Class of 1891, in which she was the only woman.

Her interest in an academic education came from her mother, a graduate of Mary Sharpe College in Winchester, Tenn. Her grandmother also had university training.

In 1922, she was interviewed for suggestions on how to successfully rear a family during the "flaming youth" age. "The boys and girls of today are far better than the boys and girls of my youth," she said, "They are cleaner, more moral, more intelligent, better behaved than children ever were before in the history of the world. The home and the fireside have not disappeared. The homely old virtues and ambitions are still operating."

Mrs. Roach taught school several years before her marriage. She helped her husband in the newspaper office, the Jasper County Democrat. The family moved to Kansas City in 1919 from Jefferson City, after Mr. Roach served as Secretary of State from 1908 to 1916.

Letter to the Editor

Dear Sir,

I suggest that the housing authorities install a closed circuit television camera in each student's room and wire the room for sound. Under no circumstances must they neglect the bathroom. This way they have a good chance of achieving their objectives by 1984.

Najdat Al-Farisi

Alia: George Orwell

January Placement Statistics

Monthly starting salaries for graduates with degree of Bachelor of Science graduated January, 1964. (All salaries based on 40-hour work week.)

	Low	Average	High
Chemical Engineering (2)	\$583.00	\$591.00	\$600.00
Civil Engineering (14)	532.00	578.00	625.00
Electrical Engineering (27)	570.00	625.00	670.00
Mechanical Engineering (21)	575.00	620.00	680.00
Metallurgical Engineering (11)	550.00	610.00	665.00
Metallurgical Engineering —			
Nuclear Option (4)	585.00	632.00	650.00
Mining Engineering (1)		600.00	
Mining Engineering —			
Petroleum Option (1)		625.00	
Science — Chemistry (2)	605.00	615.00	620.00
Science — Mathematics (2)	590.00	603.00	616.00
Science — Physics (1)		680.00	

Class Average — \$611.00

M. S. Degrees — Average \$758.00

NOTE: Certain salaries are omitted in computing averages as not being indicative of present rates. These salaries are for army officers, civil service, teaching, graduate studies, and foreign employment.

The Finest in..... DRY CLEANING

Pressing While You Wait.
One Day Service if Requested.
Pick Up and Delivery Service.

MODERN
Dry Cleaners
364-2509
9th and Pine

Detroit Edison Co.

ELECTRICAL POWER

CAREER OPPORTUNITIES
Research and Development
Plant and System Design
Equipment Engineering
Planning for Growth
Purchasing
Sales

Electrical - Mechanical

ENGINEERS

RESERVE YOUR APPOINTMENT TIME AT PLACEMENT
OFFICE TO SEE OUR REPRESENTATIVE
FOR SUMMER AND FULL-TIME EMPLOYMENT

Monday, Feb. 10

The Red Cross extends its thanks to all the MSM students who generously donated blood in the last blood drive. For the second consecutive time Phelps County has exceeded its quota.



THE MISSOURI MINER is the official publication of the students of the Missouri School of Mines and Metallurgy. 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 \$1.00 per semester. This Missouri Miner features activities of the Students and Faculty of M. S. M.

Editor-in-Chief Dave Blume
707 State Street—364-2731

Business Manager John Minton
500 W. 8th Street—364-3787

Managing Editor D. F. John
Make Up Editor Greg Junge
Copy Editor Ken Kuebler
Features Editor Dale Brown
Advertising Manager Dave Riley
Circulation Manager Bill Farrell
Sports Editor Tom Johnson
Technical Advisors Gary Rueter, Don Kasper
Secretary Charles Hansen

Own Your Own!!!

Pay on a Mobile Home that will soon be yours! With a modest down payment, you can enjoy your own Mobile Home at monthly payments almost equal to what you are now paying for rent.

Holiday Enterprises, Inc.
Waynesville, Mo.

We Also Buy Used Mobile Homes for Cash
See Us Today!!!

Farming and College? It Can Be Done!!

Whether he's an engineering student who farms or a farmer who studies engineering, D. Eugene Smith, Rolla student at MSM excels at both. Smith, an honor roll student, was recently named the 1963 Phelps County corn champion.

Smith, who boasts a grade-point average of 3.10 has a corn growing average of 184.44 bushels per acre in the state-wide contest sponsored by the Missouri Farmers Association. This compares with an average yield of 29 bushels an acre estimated by the government for the county.

Married and the father of four children, Smith is a junior in the department of mechanical engineering. He has been named for first honors every semester except one.

Smith has achieved his remarkable records in farming and higher education while treating both as full-time careers. He manages his own farm of 780 acres and another 720-acre farm, with a total of about 230 acres in cultivation. At the same time he has carried a full load of classes at the School of Mines, with 22 hours scheduled for the second semester.

An Air Force veteran who likes the farm as a way of life, thirty-year-old Smith decided after five years of farming to pursue his long-time interest in machinery when he enrolled as a mechanical engineering student.

A high school dropout, Smith received his diploma while in the Air Force. He taught himself geometry and qualified by testing

for college entrance credit, taking extra hours of mathematics to make up his high school algebra deficiency.

Smith's double life means a tight schedule in which efficient use of time is essential. So far as possible, Smith plans his classes for mornings, leaving the afternoons free for farm work and evenings for study. Unfortunately, afternoon laboratory classes sometimes interfere, and some demands of farm life, such as cattle feeding, won't wait until afternoon.

"My education is really a joint family project," Smith says. "I couldn't possibly do it without the encouragement and help of my wife."

Smith tries to plan his farming so that most of the work comes in the summer when he is out of school. However, planting and harvest won't conform to that schedule.

"My two busiest times on the farm come at the two busiest times of the school year, the beginning and end, with corn-planting in May and grain harvest in September," Smith says ruefully. Mrs. Smith takes over farm chores at such times.

Smith hopes to graduate in the spring of 1965. Then he plans to continue, if possible, combining his two major interests, engineering and farming.

"I plan for mechanical engineering to be my profession," he says, "but wherever I work, I hope to live on a farm."

Alpha Sigma Mu Initiates Men, Lorey Gives Talk

Alpha Sigma Mu held its initiation banquet on December 11. The fraternity honors outstanding students in the field of Metallurgical Engineering. In the Banquet Room at the Colonial Village Restaurant, Raymond A. Fournelle, president, initiated the following new members:

Glen R. Correll, Nancy J. Hoffman, James L. Hubbard, Jay S. Kallor, James H. Lammers, William M. Malone, David J. Michel, Glenn G. Murphy, Kenneth R. Nelson, Robert T. Ricketts, Laurence R. Sanders, Richard L. Schmidt, and John T. Sharp.

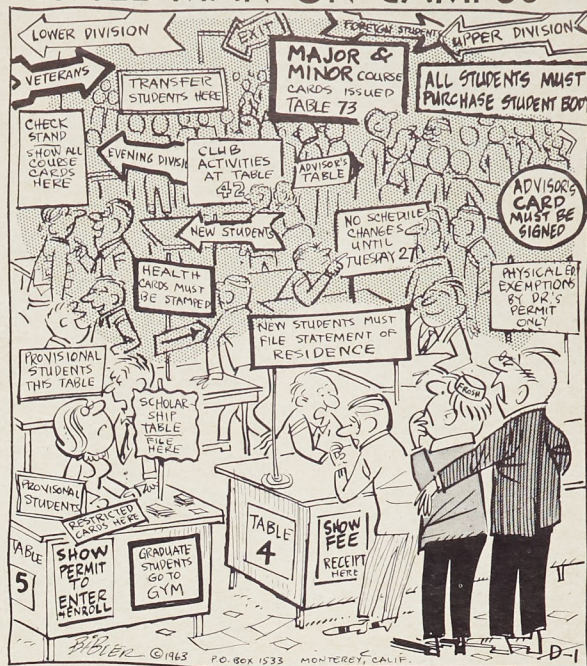
The initiation is Alpha Sigma Mu's method of publicly expressing the confidence it has in the integrity, initiative, and social and moral character of its new members.

The name "Alpha Sigma Mu" signifies the Arts and Sciences of Metals. The purposes of the fraternity are to further the arts and sciences of metals, to promote and recognize scholastic attainments among students in metallurgical engineering, to promote the high social and moral culture of its members, to aid in bringing its members more closely together so that they may help each other in every way possible, to further friendly relations among schools and colleges of metallurgical engineering, to be an effective link between the students and industrial metallurgical organizations, and to be of lasting benefit to its members not only while in college but after leaving college.

After the initiation ceremony was completed, dinner was served to the members and honored guests. Professor C. E. Lorey of the Ceramics Department presented an after dinner talk on "How to Conduct Research." Most of those present will agree that this humorous talk would be more correctly entitled, "How not to Conduct Research."

Again, congratulations to our new members.

LITTLE MAN ON CAMPUS



"WE NO LONGER REQUIRE ENTRANCE EXAMS OR APTITUDE TESTS — IF YOU CAN MAKE IT THRU REGISTRATION & ENROLLMENT — YOU'RE IN."

CAMPUS INTERVIEWS

February 21, 1964

ENGINEERING SCIENCES

ALL DEGREE LEVELS

- Electronics
- Mechanical
- Industrial
- Engineering Physics
- Mathematics
- Statistics

RESEARCH AND DEVELOPMENT

- Computer Technology
 - Hardware Design
 - Software Research
- Communications Systems
 - Propagation Research
 - Complex Design

* * * * *

Engineers, Mathematicians, and Physicists should contact their COLLEGE PLACEMENT OFFICER for an appointment with an NSA representative. No test required.

NATIONAL SECURITY AGENCY

WASHINGTON, D. C. area

An Equal Opportunity Employer

Student Union Film Previews

Sunday Films
February 9, 1964
2:30, 5:00 & 7:30

"HATARI" in color starring John Wayne, Red Buttons, Bruce Cabot.

John Wayne and his followers captured wild animals for the Mommella Game Farm in Tanganyika to send to zoos. In their spare time they compete for the affection of the farm keeper's daughter. Shot on location in Africa; spectacular photography.

Holiday Films
February 13, 1964

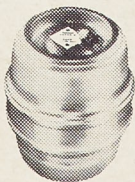
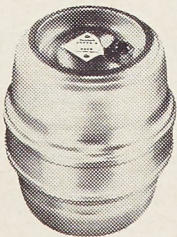
"PEPE" in color starring Cantinflas, Dan Dailey, Shirley Jones, Carlos Montalban, Vicki Trickett plus many guest stars.

Pepe, a simple Mexican peon with a pesos-filled piggy bank, tags along when Don Juan, the magnificent horse he had raised from a colt, is bought by film director Ted Holt. Holt, whose career is on the skids, hopes to use the horse in an effort to obtain financing for a new picture from Edward G. Robinson, who covets the animal. In the course of his travels with Holt and Don Juan in the worlds of Hollywood, Pepe meets Suzie Murphy, a girl with acting ambitions; he falls in love with her; she falls in love with Ted. In the course of his travels with Holt and Don Juan in the worlds of Hollywood, Las Vegas and Acapulco, Pepe also meets many famous stars of the entertainment world.

39 DAYS
TILL
ST. PAT'S

PARTY TIME IS FALSTAFF TIME

Get Thrifty Falstaff in
1/2 Barrels or 1/4 Barrels



Buy from your favorite tavern or package store.
Dispensing equipment available.

AMERICA'S PREMIUM QUALITY BEER
FALSTAFF BREWING CORPORATION, ST. LOUIS, MO.

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

Dr. Maxwell Speaks To Geophysical Union

Dr. James C. Maxwell, of the department of geology and geological engineering, MSM, presented the results of his recent research at the third annual western meeting of the American Geophysical Union, in Boulder, Colorado.

Dr. Maxwell's paper, titled "Progress in Multifactor Analysis of Terrain Parameters," was presented December 27, 1963. His paper described the first time that multifactor analysis had ever been applied to the quantitative description of topographic landforms, bedrock geology, erosional history, and vegetation of an area. Multifactor analysis determines the degree of relationship between all the factors measured. Part of Dr. Maxwell's research is a continuation of work which he had done in 1961 and 1962 at Fort Leonard Wood, Missouri. His current work was done in collaboration with Dr. Bert Aschenbrenner of the Automatic Corporation, New York, and Dr. John Imgrig of Columbia University, New York.

Dr. Maxwell graduated in geology from Harvard University in 1951. He received his M. A. in geophysics in 1953 from Boston University, and his Ph. D. in geology from Columbia University, New York, in 1961. He has served on the faculty of Columbia University and, since 1956, has been on the faculty of MSM. Dr.

Maxwell has interests in geophysics, glaciology, photogeology, hydrology and geomorphology. He has done seismic surveying and photogeology in northern Alaska, assisted with seismic and gravimetric studies of glaciers in southern Alaska and British Columbia, and conducted studies of alpine geography in Peru, British Columbia, and the United States. His work in quantitative geomorphology and hydrology has included analysis of small mountain watersheds in southern California, and studies of floods from small watersheds for the U. S. Bureau of Public Roads in Washington, D. C. He is a member of the American Geophysical Union, the Geological Society of America, the American Society of Photogrammetry and the American Alpine Club. Dr. Maxwell has been active in mountain climbing and exploration of Missouri's caves.

ROTC

(Continued From Page 1)

Jr., Collinsville, Ill., Donald Glenn Peters, Humphreys, Mo., and Alan Douglas Zunkel, Princeton, Ill.

Other second lieutenants commissioned in the U. S. Army Reserve at the ceremony were: David Eugene Bailey, Benton, Ill., Roger Alan Chapin, Kirkwood, Mo., Paul Theodore Corcoran, St. Joseph, Donald Neil Dean, Festus, Mo., Fred McCartney Dickey, Springfield, Mo., Richard Mai Dodson, Maplewood, Mo., Richard Edgar Dudley, Warrensburg, Raymond Albert Fournelle, St. Louis, James David Franklin, St. John, Clyde Sylvester Gudermuth, Jr., Webster Groves, Robert William Hoffstetter, St. Louis, Francis Joseph Hogan, Alton, Ill., Robert Gordon Holley, St. Louis; Jerry Marvin Kinsey, House Springs, Mo., Edward Charles Kozeny, Jr., Olivette, Mo., John Vincent McKenna, Paducah, Kentucky, Terrence Joseph McMahon, Vandalia, Ohio, Milton James Murry, Herculaneum, Mo., Eric Jesse Norman, University City, Mo., Gray Lee Overleas,

Rolla, Thomas Edward Payne, Mount Carmel, Ill., Kenneth Dale Pohlig and Richard Lawrence Raddatz, St. Louis, Donald Oscar Reuling, Affton, Mo., John Patrick Ruppert, Rolla, Robert Charles Schmitt, Washington, Mo., Kermit Allen Shroyer, Warrensburg, John Lamb Wendleton, Jefferson City, and Kenneth Wayne Williams, Hazelwood, Mo.

Meeting Held To Plan Test Program

Twenty-eight members of the steering committee for the Missouri Colleges' Cooperative Testing Program attended a planning session January 15 and 16 on this campus.

Twenty-three Missouri colleges and universities cooperate in giving

freshman placement tests. The purpose of the meeting was the scheduling of the 1964 spring tests for high school seniors.

Colleges taking part in the cooperative testing program are as follows: Central Missouri State College, Flat River Junior College, Hannibal La Grange College, Hannibal La Grange (Residence Center), Joplin Junior College, Kansas City Junior College, Jefferson County Junior College, Lincoln University, Missouri Valley College, Moberly Junior College, Northeast Missouri State Teachers College, Northwest Missouri State College, St. Joseph Junior College, St. Louis Junior College, School of the Ozarks, Southeast Missouri State College, Southwest Missouri State College, Trenton Junior College, Wentworth Military Academy, University of Missouri (Columbia, Rolla, St. Louis and Kansas City campuses.)

The LAUNDRY CENTER
LAUNDRY - DRY CLEANING - SHIRTS
Complete Bachelor Laundry Service
Corner 7th and Rolla Streets
•
ALSO FEATURING
New Coin-Operated Self-Service Laundry

M. S. M. Class Rings
BY L. G. BALFOUR CO.
Both Old and New Style
BULOVA ACCUTRON

OMEGA WATCHES
DIAMONDS & ENGRAVING
WATCH REPAIRING
Christopher Jewelers
805 Pine Street

Dr. Straumanis At University Of Illinois

Dr. M. E. Straumanis, research professor of metallurgical engineering at MSM spoke recently to the faculty and graduate students of the metallurgy department of the University of Illinois on methods of precision determination of lattice parameters.

Doctor Straumanis also spoke briefly on monovalent magnesium and the disintegration of the metal before a group of graduate students in analytical chemistry. Both of the presentations were followed by discussions.

Literature to Be Subject of KMSM-FM Series

What is literature? Is it all fiction, all fact or a mixture of both? Is literature ancient or modern? What makes literature good or bad, liberal or conservative? Must a reader become "involved in" a piece of literature? Numerous different answers can be obtained for these questions.

The subject of literature is discussed in a series of six half-hour radio programs presented each Monday at 8 PM on KMSM-FM 88.5 mc. The theory of literature program titled "The Educated Imagination" is narrated by a prominent Canadian lecturer on Canadian Broadcasting corporation transcription.

GRADUATE STUDY AT CASE ENGINEERING

THE PROGRAMS:

Case Offers Graduate Programs Leading to Ph.D. and M.S. Degrees in the fields listed at right. Graduate students in the Engineering Division at Case work with the Case faculty on the frontiers of research and design and assist in presenting the educational program.

FINANCIAL ASSISTANCE:

About 60 Fellowships are available in the Engineering Division providing stipends from \$200 to \$350 per month in addition to tuition. Additional allowances for dependents are included with some. Graduate Assistantships are also offered, with stipends ranging from \$325 to \$450 per month depending on background and marital status. The graduate assistant pays a \$120 per month tuition charge. Appointments are made by either academic or calendar year.

Predoctoral loans of substantial amount are available.

INFORMATION:

For further information about Graduate Study in Engineering at Case, call or write Professor R. E. Bolz, Head of the Engineering Division, or Professor H. R. Nara, Associate Head.

BIO-ENGINEERING

CHEMICAL ENGINEERING SCIENCES

COMPUTER ENGINEERING AND DIGITAL SYSTEMS

ELECTRICAL SCIENCES

ENGINEERING DESIGN

FLUID AND AEROSPACE MECHANICS

HEAT TRANSFER AND THERMO-ENERGY CONVERSION

INFORMATION PROCESSING

MATERIALS

NUCLEAR ENGINEERING

PLASMA DYNAMICS

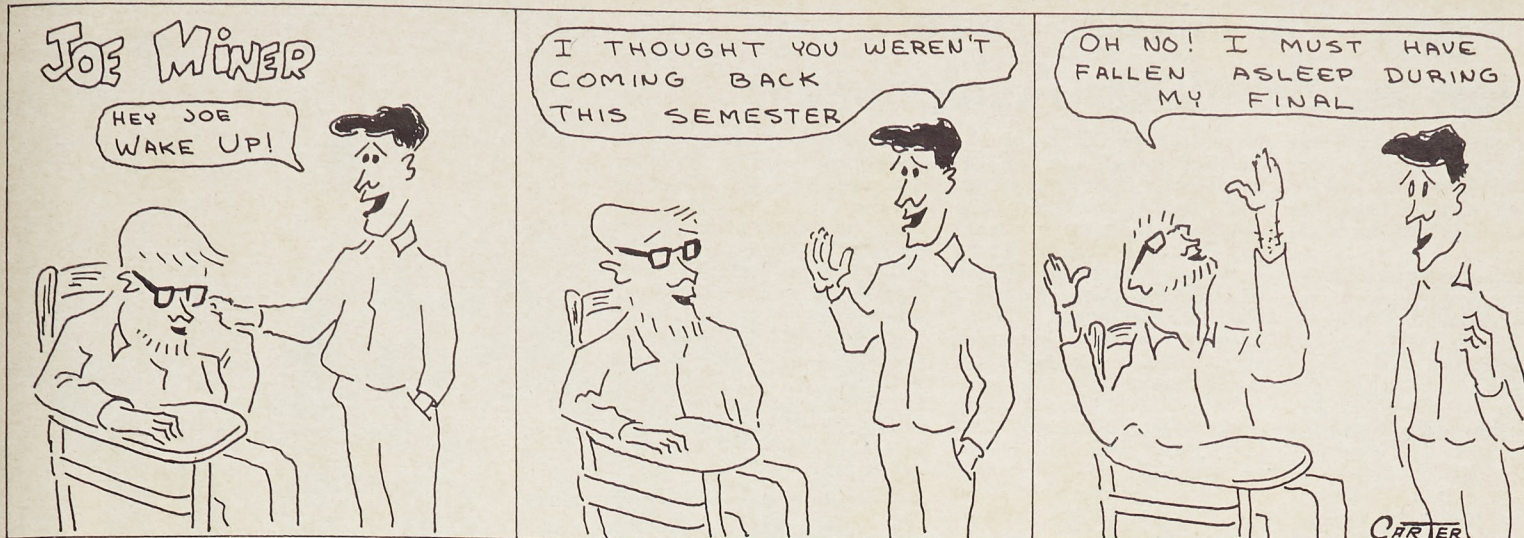
PLANNING AND POLICY SCIENCES

POLYMER SCIENCE AND ENGINEERING

SOLID MECHANICS AND STRUCTURES

SOLID STATE ELECTRONICS

SYSTEMS ENGINEERING



Miners Follow in Tradition of Sun Gods

Every time a Miner sits down at Ramey's or Bears and calls for a draft he is following an ancient and time-honored tradition. From the good old days to the present, from the tankard of ale to the glass of Schlitz, from the mead hall to Rameys, beer has run a close second to bread as the staff of life.

Egyptians in the days of the pharaohs declared beer an invention of the Sun-god, Isis, and considered the drinking of beer a sacred duty. From scanty records of ancient Babylon, historians have pieced together the fact that beer served as the drink of laborers and women of the harem.

Beer was even frowned upon as a lowbrow drink in the earliest days. Pliny the Elder pens an attack on the barbarian inhabitants of Western Europe who, instead of drinking Italian - manufactured wine, satisfied their thirst with a species of home brew.

But the year the Germans discovered the hop, the wholesale drinking of beer progressed in leaps and bounds. King Haakon the Good of Norway decreed that the Christmas celebration should be augmented by every man's brewing a supply of malt for this holy season, and then celebrating as long as the supply lasted.

This do-it-yourself brew left a lot to be desired, however. It remained for medieval monasteries to set up brewing on a large scale; the experiments of medieval monks formed the basis of the techniques of modern brewing.

The historical significance of beer in America is a matter of record. Choice of landing place for the Mayflower on Plymouth Rock was determined, according to a contemporary historian, when this situation arose:

... For we could not now take time for further search or consideration our victuals being much spent, especially our ...

From that modest beginning beer has grown into the multi-million dollar industry it is today. Americans subscribe wholeheartedly to the honorable tradition of beer - drinking: the average na-

tional consumption of beer per capita is 15.29 gallons a year, enough beer for quite a few baths.

The next time MSM men are gathered with their glasses raised on high, if some foolish person dare to hurl the epithet "beer boys from MSM", don't get excited. Merely point to that long line of beer drinkers going to the Sun god.

COLLEGE SENIORS Enroll in the Marine OFFICER CANDIDATE COURSE

- Be a Marine Officer
- Complete college
- Choose air or ground
- No on-campus training
- Enroll now for more pay

Contact: U. S. Marine Corps
Officer Selection Officer

On Campus Soon
THE MARINE CORPS
BUILDS PRIDE!

... STUDENTS ... WE SELL TO YOU WHOLESALE Stretch Those Sheckles HOOK AUTO SUPPLY

513 Hiway 63 South Rolla, Mo.
PHONE 364-5252
HOURS: 8 to 8 Weekdays - 8 to 6 Saturday - 9 to 3 Sunday

Shop Kenmark Sporting Goods

908 Pine Street

TENNIS RACKETS RESTRUNG

1 Day Service

Or if You Need a New One - We Have 'em!

It's Smart to SHOP AT KENMARKS

Prof. Schofield Attends SAE

Gordon Schofield, professor of mechanical engineering at MSM, attended the annual meeting of the Society of Automotive Engineers in Detroit Jan. 13 to 16.

Professor Schofield is national chairman for student activities for the United States and Canada.

Professor Schofield was accompanied by Prof. George Baumgartner, faculty advisor for the student chapter at the School of Mines. The School of Mines group is the largest student chapter in the country.

FULLER JEWELRY

THE FINEST IN DIAMONDS

AND

JEWELRY

- MSM CLASS RINGS -

715 Pine

Rolla, Mo.

If You Need a Book
Please Place an Order
We Will Be Happy to
Get It for You
We Appreciate Your
Patronage

CAMPUS BOOK STORE

"Just Across the Campus"

february 11, 12, 1964

Research ■ Development Engineering ■ Manufacturing (Engineering) ■ Programming ■ Marketing/Sales ■ Systems Engineering ■

If you cannot attend the interview, ■
write or call: ■

H. Strait, Branch Manager ■
IBM Corp. ■ 314 E. Capitol Avenue ■
Jefferson City, Missouri ■ 636-8186. ■

interview:

"The future depends on people with ideas."

This statement helps explain the work at IBM today: seeking and finding new ways to handle information, planning and building new machinery for the task, exploring wholly new methods. ■ The demand for ideas has never been greater.

If you'd like to check into the new things going on at IBM—and the significant professional opportunities opening up there for men and women—see your college placement officer and make an appointment to talk with IBM representatives. ■ IBM is an Equal Opportunity Employer. ■

MOVE AHEAD—SEE **IBM**®

DRIVE
SAFELY!

Phi Kappa Phi Initiates Twenty-two Seniors for Scholastic Achievement

In recognition of outstanding scholastic achievements and character, the honorary society of Phi Kappa Phi initiated twenty-two senior students of MSM on January 11.

Students so honored were James E. Adams, Kenneth E. Buttry, Philip R. Cowles, Richard E. Dudley, Clarence A. Ellebracht, Robert L. Newsom, civil engineering; George E. Campbell, Palmer A. Lawson, Glenn A. Rahmoeller, Robert J. Vogelpohl, Kenneth J. Wulfert, electrical engineering; James D. Philpott, Richard E. Roberts, mechanical engineering; Calvin B. Cobb, Warren R. Needels, chemical engineering; Timothy C. Judkins and William D. Shermer, chemistry; Ted J. Palaska, Donald R. Schoonover, physics; Gary E. Boyer, mining; Donald L. Lauchlin, mathematics; and Alan D. Zunkel, metallurgy.

Following the initiation ceremony, the society held a banquet for the initiates and guests in the Student Union. Dr. Paul D. Proctor, president of the School of Mines chapter of Phi Kappa Phi, presided.

After the banquet, the guest speaker, Dr. Thomas R. Beveridge, Missouri State Geologist, dis-

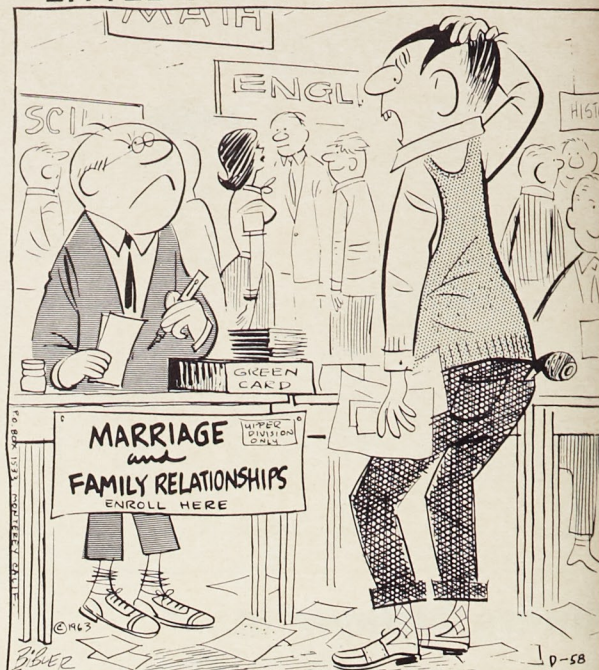
cussed the historical role of state geological surveys and how they have adapted to modern demands. With amusing anecdotes about early state geologists, Dr. Beveridge took the Missouri Survey from the early boat trips to survey the rock and fauna, through a period of pedantry and verbosity, to modern scientific water and mineral resource studies, and up to the present time when even recreational facilities and rocket sites demand the Survey's attention. He concluded with a humorous chronology of services which the Survey might render a person, such as one of the initiates, throughout his life.

The honor society of Phi Kappa Phi was founded in 1897 and has grown to include chapters in universities and colleges from Maine to Manila and from Washington to Florida. The membership includes graduates and undergrad-

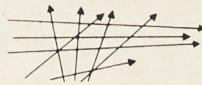
uates from all departments and fields of specialization. Its prime object is to emphasize scholarship and character in the thoughts of college students, to hold fast to the original purposes for which institutions of learning were founded, and to stimulate mental achievement through the prize of membership. There is no honor society whose standards are higher than those of Phi Kappa Phi. The MSM chapter of Phi Kappa Phi, established in 1919, initiated its 1207th member in the recent ceremony.

**Buy Your
St. Pat's Buttons
and Sweatshirts
NOW!**

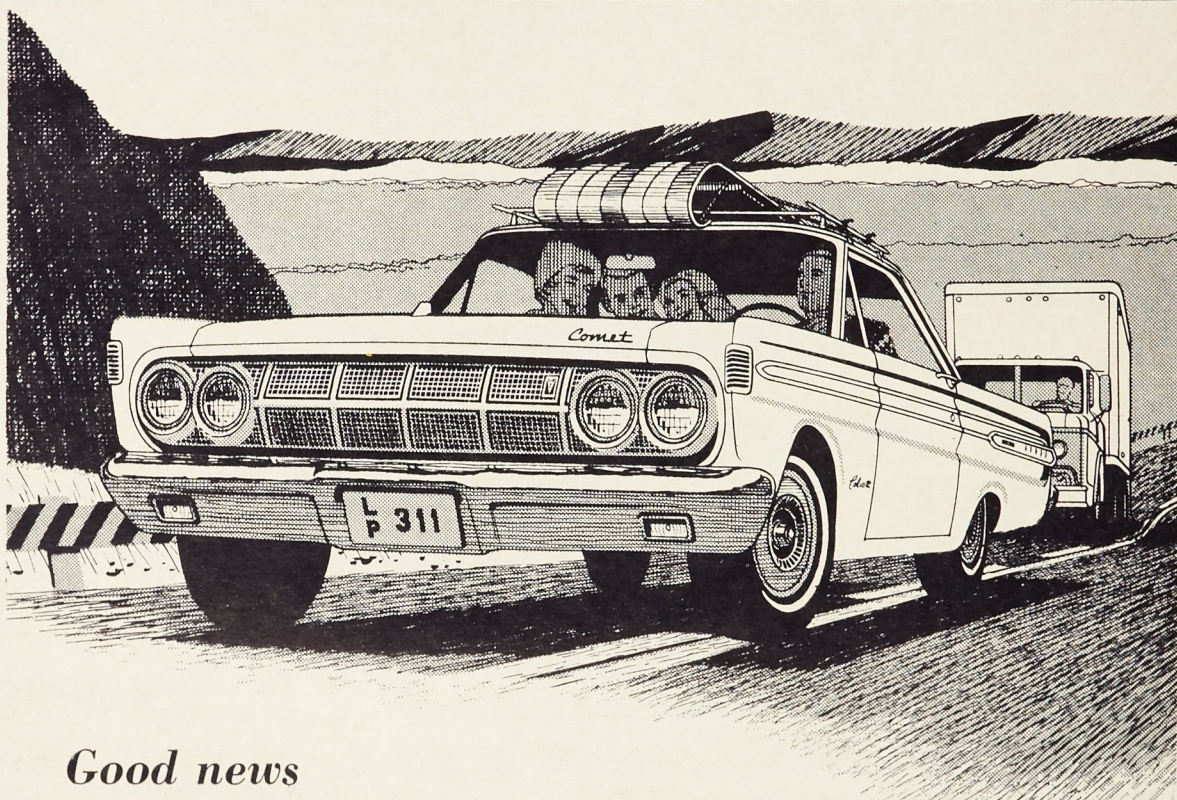
LITTLE MAN ON CAMPUS



"YOU MEAN IT'S ALL THEORY?"



EXCITING THINGS HAPPEN AT FORD MOTOR COMPANY!



*Good news
for aficionados of medium-cubed V-8's
who prefer to remain shiftless!*

Four-on-the-floor is fine but not everyone's cup of tea. If you're an automatic devotee, we think you'll be cheered by what Ford Motor Company transmission engineers have designed in the way of exciting goodies to go with our new hotter V-8 mills in the medium-displacement class.

It's a spanking new 3-speed automatic drive that adds more hustle without extra muscle in Comet, Fairlane and Ford models for '64. Among its many virtues: less avoidupois . . . fewer parts . . . smoother take-offs . . . up to 35% more go in Low . . . extra braking in downhill work . . . whisper-quiet in Neutral . . . quarterback-style passing performance!

The men at Ford who design such intricacies as transmissions are not just walking slide rules or talking computers. They're men who get excited about cars and the fun of

driving them. They enjoy meeting challenges like "Design a new automatic drive with 4-speed stick-shift performance built right in." Frankly, they are among the most avid car buffs around and it shows in their work!

More proof of the exciting things that happen at Ford Motor Company to bring brighter ideas and better-built cars to the American Road.



MOTOR COMPANY
The American Road, Dearborn, Michigan
**WHERE ENGINEERING LEADERSHIP
BRINGS YOU BETTER-BUILT CARS**

Computer Summer Institute at MSM

An eight-week summer institute in computer science and mathematics for college teachers will be held at MSM, June 8 to July 31.

The institute, made possible by a grant from the National Science Foundation, will be open to 36 college teachers who will receive a stipend and allowances as part of the grant.

Professor Ralph Lee, director of the School of Mines computer center, is director of the institute. Instruction will be offered in the numerical and statistical methods of digital computing and analog computation for college teachers of engineering, mathematics, and the physical sciences. Courses will be taught by four School of Mines professors. All of the courses will be on the graduate level, and graduate credit may be earned.

Computing equipment available for instruction and research includes three high speed digital computer systems: an IBM 1620 Model 1, and IBM 1620 Model 2 and General Precision LGP-30; auxiliary data processing equipment and several analog computers.

The computer science institute is one of two summer institutes to be held on the School of Mines campus this year, and one of 64 such sessions to be held throughout the country. Institute programs are specially designed to renew the teacher's knowledge of fundamentals, to acquaint him with recent developments and advances in science, mathematics and engineering, and to familiarize him with new approaches in the presentation of subject matter.

Participants will be chosen by the staff of the institute. Application forms and other desired information may be obtained from Professor Ralph E. Lee, director, computer center, Missouri School of Mines and Metallurgy. Applications must be postmarked by February 15.

NSF Awards Grant for Summer Program

The University of Missouri has been awarded a grant of \$13,720 from the National Science Foundation in support of a seven-week Summer Science Training Program at the University School of Mines and Metallurgy here, for about 36 selected high school students of superior academic ability. This will be the sixth consecutive year in which the program has been held at the School of Mines and Metallurgy.

The program will be presented from June 7 through July 24, 1964, and will be under the direction of Charles R. Remington, Jr., professor of Mechanical Engineering.

Professor Remington said the special science training is designed to introduce superior high school students to important phases in the various engineering and science fields that are not available in high school courses, and to accelerate their educational development. The training also is expected to assist the selected students in analyzing their own particular interests and in developing their potentialities toward further studies for a professional career.

Participants for the program will be selected from candidates recommended by high school principals or counselors on the basis of scholastic ability, and without regard to financial status, Professor Remington said. However, under the terms of the grant some financial assistance may be provided for room and board for such students as may be selected but need assistance to attend.

Professor Remington said that during the seven-week training period many fields of science and engineering will be covered through lectures, demonstrations, and conferences with outstanding educators in the various fields. Students in addition will visit industrial plants and laboratories to observe the practical application of science and to give them an insight into possible opportunities for professional careers.

The program, he said, will bring

the high school students into contact with college teachers and scientists of recognized standing in their fields, and will emphasize the qualifications necessary in students who are preparing for university level work in science and engineering. It is also designed to show the students how they may use the remaining time

in secondary school to further their preparation for college work.

Professor Remington said interested high school students, both boys and girls, should consult their principals or counselors about applications for the program, or write to him directly at the University School of Mines and Metallurgy, Rolla, Missouri.



Joan Fairfax and her All Girl Orchestra — Another Monday night spectacular presented by the Student Council.

THE BELL TELEPHONE COMPANIES SALUTE: DON ESTES

Seven positions in four years indicate Don Estes (B.S., 1959) is a man on the move. But as Don observed when he joined the telephone company—the future was unlimited—and he means to prove it.

Don's very first job carried the responsibility and challenge he wanted. As Frame Foreman, he was in charge of 12 people responsible for the connections which linked 50,000 telephones to the central office switching equipment.

Don found more responsibility and greater job satisfaction in larger assignments as he moved up to higher

jobs—Plant Foreman, Wire Chief, Repair Foreman, Division Records Engineer, Installation Foreman.

Today, Don is Test Center Foreman for Southwestern Bell at Wichita Falls, supervising the work of 51 people. His work brings him in daily contact with some of the latest technical developments in the communications field.

Don Estes, like many young engineers, is impatient to make things happen for his company and himself. There are few places where such restlessness is more welcomed or rewarded than in the fast-growing telephone business.



BELL TELEPHONE COMPANIES

TELEPHONE MAN-OF-THE-MONTH



ORDER
YOUR
RING
NOW!!



JOHN ROBERTS
SCHOOL
RINGS

The Most Respected
Symbol of Your
Educational
Achievement

CAMPUS
BOOK STORE

WANTED

PART TIME TYPIST

FOR THE

ROLLAMO BOARD

CONTACT:

WILLIAM CREDE

364-2731

PRESIDENT ELLIS

(Continued From Page 1)

titles of humanities, social studies, and economics."

All of the above mentioned factors play a major part in the present consideration of a school name change. The student should become as familiar as possible with the situation before reaching his own decision in this most important matter.

LONG INSURANCE AGENCY

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

NEW OWNERS ESQUIRE BARBER SHOP

PHONE 364-1278

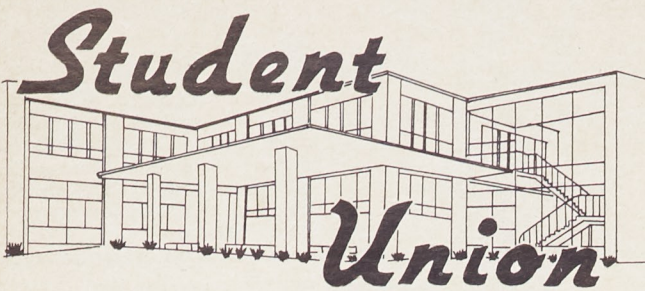
FREE PARKING — APPOINTMENT IF DESIRED

Two Barbers to Serve You

WALT & MARY McGRAW, Proprietors

103 East 11th Street

Rolla, Missouri



Recognition Banquet Honors Past Members

The Student Union recognition banquet was held Thursday night, January 16, 1964, in the Student Union Ballroom. The banquet was held in recognition of the outgoing Student Union Board. Mark Martin, the new president, was presented the gavel by Graham Sutherland. Gifts were presented by Mark Martin to the following past members: Joe Bogard, president; Graham Sutherland, vice-president; Tom Gardner, secretary; Jerry Kettler, treasurer; Norm Meyer; Robert "Bo" Jung; Mark Martin; Barry Hayden; and Ken Kamman, board directors.

Seelen; Guest Speaker

The guest speaker for the evening was Dean William Seelen, assistant dean of students at the University of Missouri at Columbia. Dean Seelen addressed the group on the essentials of leadership. Dean Baker also stressed the necessity of having the Student Union on our campus.

Dean Baker Present

Invited guests to the banquet were Dean Baker, Dean and Mrs. Hershkowitz, Mr. and Mrs. Emmett Klinkerman, Mr. and Mrs. William Kratzer, Mr. and Mrs. Charles Daniels, and Mr. and Mrs. F. C. Edwards.

Organ music was provided during the meal by Miss Gail Davidge, a freshman member of the Student Union organization.

What Is Maturity?

Maturity is many things. First it is the ability to base a judgment on the Big Picture — The Long Haul. It means being able to pass up the fun-for-the-minute and select the course of action which will pay off later. One of the characteristics of maturity is the "I want it now approach." Grownup people can wait.

Maturity is the ability to stick with a project or a situation until it is finished. The adult who is constantly changing jobs, changing friends, and changing mates — is immature. He cannot stick it out because he has not grown up. Everything seems to turn sour after awhile.

Maturity is the capacity to face unpleasantness, frustration, discomfort and defeat without complaint or collapse. The mature person knows he can't have everything his own way. He is able to defer to circumstances, to other people, and to time.

Maturity is the ability to live up to your responsibilities, and this means being dependable. It means keeping your word. And dependability equates with personal integrity. Do you mean what you say and say what you mean?

The world is filled with people who can't be counted on. People who never seem to come through in the clutches. People who break promises and substitute alibis for performance. They show up late or not at all. They are confused and disorganized. Their lives are a chaotic maze of unfinished business.

Maturity is the ability to make a decision and stand by it. Immature people spend their lives exploring endless possibilities and then do nothing. Action requires courage. And there is no maturity without courage.

Maturity is the ability to harness your abilities and your energies and to do more than is expected. The mature person refuses to settle for mediocrity. He would rather aim high and miss the mark than aim low — and make it.

S. U. Sponsors Valentine's Dance

The annual Student Union Valentine's Dance will be Friday, February 14 in the Student Union Ballroom. Music will be provided by the "Road Runners" from "The Den" in Columbia. There will be no admission charge.

Baylor Band To Give Concert

The Golden Wave Concert Band from Baylor University will have a concert in the Student Union Ballroom, Friday, February 14, at 1:30 p.m.

Pinochle Tourn. At Student Union

For the pinochle enthusiasts, the Student Union is having a pinochle tournament beginning February 21. The play will be single deck, auction bidding, and with partners. For those interested, a sign-up sheet and list of rules will be posted in Student Union, February 5 through February 17.

Trophies will be awarded to the first, second and third place.

New Eating Club Fills Pressing Need on Campus

With the enrollment of MSM ever increasing, the need for another cooperative eating club on campus recently became acute. Fulfillment of this need came last December with the formation of "The Campus Club." This new coop, located at 202 W. 10th St. across from the '59ers Club now has 60 members.

The purpose of The Campus Club, as most other eating coops is to provide its members with wholesome meals throughout the school year. This purpose is most satisfactorily achieved by the Club's two culinary artists, who cook and serve ambrosial delights in the club's modern facilities.

Besides being MSM's newest eating club, the coop's members also boast of the club's unusual, friendly, quiet, and congenial atmosphere, which they claim is disturbed only by the occasional happy murmurings from contented stomachs of some of the club members.

Future plans for The Campus Club include added membership and enlargement of the Club's present facilities, with care taken to retain the club's congenial atmosphere.

KMSM-FM Adds New Program on Mental Health

Everyone will admit that physical malfunctions, diseases, and infections are sicknesses. Yet few

UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Thurs., Fri., Sat. Feb. 6-8

'The List of Adrian Messenger'

George C. Scott & Dana Wynter

Sun., Mon., Tues., Wed. Feb. 9-12

Sunday Continuous from 1 p. m.

'Who's Minding the Store?'

Jerry Lewis & Jill St. John

RITZ THEATRE

MOVIES ON WIDE SCREEN

Fri., Sat. Feb. 7-8

Saturday Continuous from 1 p. m.

'It Happened in Athens'

Jayne Mansfield & Trax Colton

—PLUS—

'Blood and Steel'

John Lupton & Ziva Rodann

Sun., Mon., Tues. Feb. 9-11

Sunday Continuous from 1 p. m.

'The Stripper'

Joanne Woodward & Richard Beymer

—PLUS—

'Hey Boy! Hey Girl!'

Louis Prima & Keely Smith

Wed., Thurs., Feb. 12-13

'Sanctuary'

Lee Remick & Yves Montand

—PLUS—

'The Bandit of Zhobe'

Victor Mature & Anne Aubrey

will admit the existence of mental illness. With our present fast moving society and changing behavior standards, mental illness has become a major medical field. The first step toward the cure of the mentally ill is to realize that they are sick and need care and understanding.

In cooperation with the Ameri-

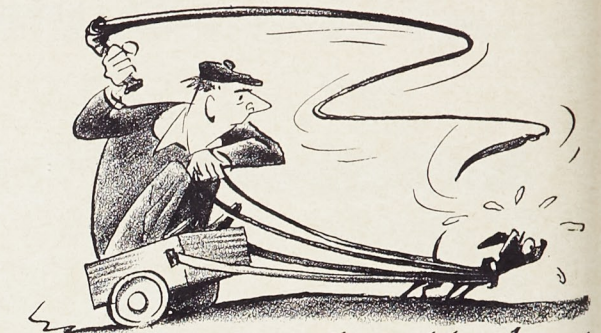
can Medical Association, radio station KMSM-FM (88.5 mc) is featuring a thirteen half-hour series of educational programs on mental health every Tuesday evening at 7:30. The show format consists of panel discussions and interviews with medical professionals in the mental health field.



ARF!

Benjamin Franklin (or The Louisville Slugger, as he is better known as) said, "A penny saved is a penny earned," and we, the college population of America, have taken to heart this sage advice. We spend prudently; we budget diligently. Yet, despite our wise precautions, we are always running short. Why? Because there is one item of expense that we consistently underestimate—the cost of travelling home for weekends.

Let us take the typical case of Basil Metabolism, a sophomore at UCLA majoring in avocados. Basil, a resident of Bangor, Maine, loved to go home each weekend to play with his faithful dog, Spot. What joy, what wretched smiles, when Basil and Spot were re-united! Basil would leap into his dogcart, and Spot, a genuine Alaskan husky, would pull Basil all over Bangor, Maine—Basil calling cheery halloos to the townfolk, Spot wagging his curly tail.



But the cost, alas, of travelling from UCLA to Bangor, Maine, ran to \$400 a week, and Basil's father, alas, earned only a meagre salary as a meter-reader for the Bangor water department. So, alas, after six months Basil's father told Basil he could raise no more money; he had already sold everything he owned, including the flashlight he used to read meters.

Basil returned to California to ponder his dilemma. One solution occurred to him—to ship Spot to UCLA and keep him in his room—but Basil had to abandon the notion because of his roommate, G. Fred Sigafoos, who was, alas, allergic to dog hair.

Then another idea came to Basil—a stroke of genius, you might call it. He would buy a Mexican hairless chihuahua! Thus he would have a dog to pull him around, and G. Fred's allergy would be undisturbed.

The results, alas, were not all Basil had hoped. The chihuahua, alas, was unable to pull Basil in the dogcart, no matter how energetically he beat the animal.

Defeated again, Basil sat down with G. Fred, his roommate, to smoke a Marlboro Cigarette and seek a new answer to the problem. Together they smoked and thought—and Eureka!—an answer quickly appeared. (I do not suggest, mark you, that Marlboro Cigarettes are an aid to cerebration. All I say about Marlboros is that they taste good and are made of fine tobaccos and pure white filters and come in soft pack or Flip Top box.)

Well, sir, Basil and G. Fred got a great idea. Actually, the idea was G. Fred's, who happened to be majoring in genetics. Why not, said G. Fred, cross-breed the chihuahua with a Great Dane and thus produce an animal sturdy enough to pull a dogcart?

It was, alas, another plan doomed to failure. The cross-breeding was done, but the result (this is very difficult to explain) was a raccoon.

But there is, I am pleased to report, a happy ending to this heart-rending tale. It seems that Basil's mother (this is also very difficult to explain) is a glamorous blond aged 19 years. One day she was spotted by a talent scout in Bangor, Maine, and was signed to a fabulous movie contract, and the entire family moved to California and bought Bel Air, and today one of the most endearing sights to be seen on the entire Pacific Coast is Spot pulling Basil down Sunset Boulevard—Basil cheering and Spot wagging. Basil's mother is also happy, making glamorous movies all day long, and Basil's father is likewise content, sitting at home and reading the water meter.

* * *

Pacific Coast, Atlantic Coast, the great Heartland in between —not to speak of Alaska and Hawaii—all of this is Marlboro Country. Light up and find out for yourself.

MINER SPORTS

FRIDAY, FEBRUARY 7, 1964

THE MISSOURI MINER

PAGE 9

MSM Varsity Football Program To Receive Aid--Not the Axe!

Contrary to the belief initiated by several St. Louis newspapers and radio stations, the Missouri School of Mines is not abandoning its football program! These rumors concerning the complete drop of the sport were stirred up as a result of newspaper articles telling of the proposed improvements and revamping of the athletic department at MSM.

Athletic director and head football coach Gale Bullman replied in a recent MINER interview, "We have absolutely no intention of dropping intercollegiate football from the varsity athletic schedule. This erroneous report did not come from the MSM athletic office." Professor Bullman continued by emphasizing the fact that varsity sports are headed toward a definite up-hill trend. In an interview with the press last week, he told of the future plans for a new field house and stadium to be constructed in the area next to the present intramurals field. A news-release on the status of the future coaching staff at MSM is expected within the next few weeks.

What is the solution?

Bullman said, "We are in terrific competition with other schools, recruiting engineering students. There has been some talk of courses for a degree in economics, which would be an addition to our curriculum. That may bring in more students — and maybe more football players.

"We also may be able to increase our grants-in-aid program somewhat to help athletes who want to come to our school. But we can't give a "full ride" as other schools do. Our fees are higher than most of the state schools. We might be able to take care of 20 or 25 boys with partial tuition.

"Some schools have 100 or so football candidates. We can get along nicely with 40. That is, unless the conference wants to have spring practice, which it does, and wants a "B" schedule, which it favors. The recent vote for spring practice ended in a tie, but I can see it coming. In that case we would have to hire another coach.

"It won't be a football coach because such a man would be unlikely to come here under the circumstances. We have talked to Jim Nelson, now at William Jewell, but he's set with a good basketball job there and I doubt he would leave.

"If we could get a full-time basketball coach, that would give Dewey Allgood more time to work with me and Burr Van Nostrand on football."

Allgood is head basketball coach and Van Nostrand head swimming coach and assistant track coach.

He concluded, "Even if I could, I don't know when I'd have the time to recruit."

Miners Tired Of Patsy Role

Reprinted From the St. Louis Globe-Democrat

The Missouri School of Mines, its athletic program suffering because of high entrance requirements, has plans for rebuilding its sports set-up, the Kansas City Times said Wednesday.

But it won't be at the sacrifice of the highly specialized education now available.

The Miners plan to build a new field house, a football stadium and hire a new basketball coach in hopes of luring academically-minded athletes.

Although most of the 3500 students are men, the Miners haven't been able to keep pace in the highly-competitive Missouri Intercollegiate Athletic Association. The last winning basketball season was 1946 and the last .500 football season was 1959.

The new basketball coach would mean an addition to the coaching staff. It would allow Gale Bullman, athletic director and a football coach, to retire from the coaching field. Dewey Allgood, the head basketball coach and assistant football coach, would leave the basketball business to take over for Bullman. The other full-time coach is Burr Van Nostrand, head swimming coach and assistant in football and track.

One man under consideration for the basketball job is Jim Nelson, now in his fourteenth season at William Jewell. Nelson's Cardinals have a 6-0 MCAU record this year and are 9-9 overall. Presently Rolla is 0-4 in the MIAA and 4-9 overall.

A new field house would replace the 1000 seat gym, the smallest in the MIAA. It was built in 1915. Coaches hope for one seating no less than 3500, which still would be the smallest in the loop along with Cape Girardeau State's.

No funds have been appropriated for either the field house or stadium. But the coaching job will soon be a reality.

Nelson admits talking with officials at Rolla about the basketball job.

"I hope I'm an ambitious coach," Nelson said from Liberty. "If a better job is available, I'm ambitious enough to try for it."

Nelson said the challenge at Rolla is tempting.

"That could be an advantage with top students. You're tempted to try something like that."

Miners May Drop Football

Reprinted From the St. Louis Post-Dispatch

Missouri Mines, which has been playing football since 1893, may have to abandon its program because of a shortage of players, it was learned today.

Gale Bullman, head coach said, "It stands to reason if we can't get enough players, we have no choice but to drop the sport, maybe for a couple of years.

"The shortage was so acute last fall that we were in a bad fix two or three times because of critical injuries. Fortunately, we pulled out of it and finished the season.

"The 1963 squad was the smallest numerically since I started coaching Missouri Mines in 1937. Of 33 players, we will lose eight or so, leaving us with 22 or 23, and you can't compete in the Missouri Intercollegiate Athletic Association with that handful."

The Miners, 2-7 last year, had their last .500 football season in 1959.

"In interviews with prospective students, we found about seven who would be interested in football," Bullman said, "had it not been for the St. Louis freshmen who played a lot of ball last season, we would have been sunk.

"We aren't getting football players because it seems most kids who have been preparing for engineering in high school have not been athletes."

The MSM enrollment is 3500, mostly men.

Miners Fail to Find MIAA Win; Lose Five More

The MSM basketball team played five games over the semester break. In the first game the Miners entertained SIU at Jackling gym. This was a return match and the team was hoping to avenge an earlier loss to the Salukis. However, such was not to be as the Miners went down 110-72. The Miners stayed close through the first quarter, but then SIU found the range and their taller club built a commanding 21 point lead at the half. The second half proved no different for the Miners and SIU coasted to the victory. The Salukis had five players in double figures as their well rounded attack smothered MSM. Ralph Farber was the game's leading scorer with 22 points. Marty Howard tossed in 20 points for the losing Miner cause. SIU shot 52.5% from the floor while the Miners could manage only 34.5%.

Next the Miners invaded Cape for a conference game against powerful South East. The Miners came away without the victory however. Cape's Ringstaff played a tremendous game, pumping in 33 points while leading Cape to a 105-62 win. High man for the Miners was Farber with 22 points. Cape had four men scoring in double figures as they swept to the win. Marty Howard hit for 11 points as the Miners' second high scorer.

The Miners next moved to Maryville with high hopes of bringing in a victory. The shooting of Farber and Howard moved the Miners to a 44-43 half time lead. However the Miners couldn't hold the lead and went down 89-78. Once again the opposing team's balanced scoring spelled defeat. Maryville had four men in double figures, with Niera's 28

points leading. Ralph Farber took scoring honors for the game with 32 points. Fourteen of those points were from the free throw line. Howard finished with 16 points.

The Miners then played another league powerhouse in North East. The game turned out to be an offensive battle with Kirksville coming out on top. The final score showed NEMS winning by a score of 112-85. At the half the Miners were down by 16 points, 58-42. Kirksville proved its offensive punch by finishing with six men scoring in double figures. Their top man was Clinton with 24 points which also made him the game's top point-maker. The Miners finished with four men in double figures, but Ralph Farber was held to 18 points which is several below his average.

Finally the Miners played host to Maryville with Coach Allgood's boys still searching for their first conference win. The Miners put up a good fight but fell 83-76. MSM held a one point lead at the half but the shooting of Maryville's Neira and Yeager pulled out the win for MWMS. Ralph Farber tied with Neira for game honors with 27 points.

The Miners are still looking for their first conference win. Their overall record stands at 4-12.

MSM (72)	fg	ft	pf	tp
Howard	9	2	3	20
Hornbuckle	3	0	2	6
Richner	1	1	0	3
Farber	7	8	3	22
Hilgendorf	0	3	0	3
Huegerich	0	1	0	1
Tyler	2	0	0	4
Hale	1	1	0	3
Beard	4	2	0	10
TOTALS	27	18	9	72

(Continued on Page 10)

MSM
vs.
Springfield
Jackling Gym
Saturday,
February 8, 1964

DOGWOOD CAFE

FORMERLY THE LOUNGE

Serving Breakfasts, Lunch, Dinner, and as Always

Famous Pizzas.

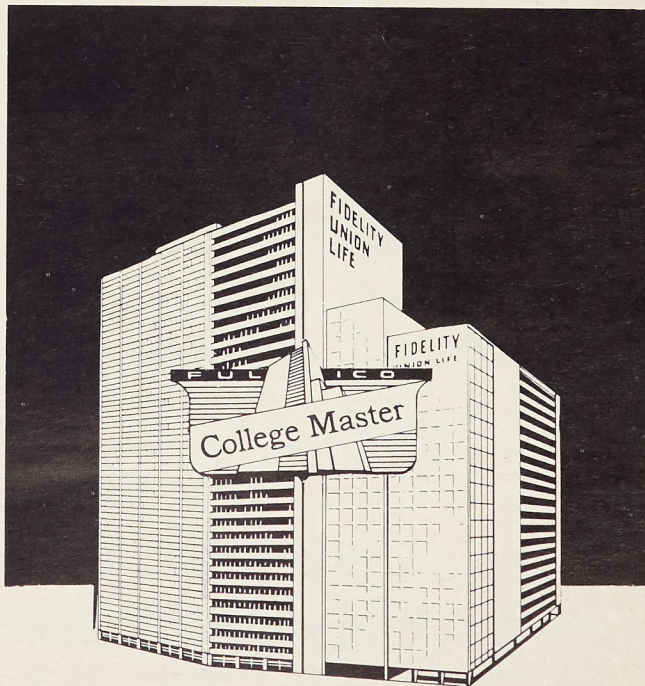
85 Percent of Your Eating Is Done With Your Eyes —

Cleanliness Is Our Specialty.

Students Welcome

Pizzas Delivered

Phone: 364-1583



College Master

exclusively

FOR COLLEGE MEN

BILL AGEE, Agent

Tech Club Wraps Up Basketball and Handball

Tech Club boosted itself into first place in the 1963-64 intramurals race by virtue of two first place sweeps in basketball and handball competition. A previous position of fourth in the standings gave way to the top spot as the Club racked up 260 intramural points in the "round ball" play and 78 points for handball.

Lambda Chi Alpha, Phi Kappa Theta, and the MRHA came in second, third, and fourth, respectively, in the basketball schedule. The points awarded for these spots are 250, 240, and 230.

SPRING SCHEDULE 1964

Wrestling

March 3, 4, 5, 6, 1964.

Volleyball

Entries Due: Tuesday, March 10, 1964.

Play Starts: Monday, March 16, 1964.

Bowling

Entries Due: Tuesday, March 31, 1964.

Starts: Saturday, Sunday, April 4, 5, 1964.

Rifle

Starts: Monday, April 6, 1964.

Horseshoes — Singles-Doubles

Entries Due: Monday, March 30, 1964.

Starts: Thursday, April 2, 1964.

Tennis — Doubles

Entries Due: Monday, March 30, 1964.

Starts: Thursday, April 2, 1964.

Softball

Entries Due: March 30, 1964.

Starts: Thursday, April 2, 1964.

Golf

Entries Due: Wednesday, April 29, 1964.

Play: Sunday and Saturday, May 2-3, 1964.

Track

Entries Due: Thursday, May 7, 1964.

Play: May 12-14.

Intramural Point Standings

Team	Points
Tech Club	795.25
Sigma Nu	758.00
Lambda Chi Alpha	748.00
Kappa Sigma	687.00
Engineers	646.50
Fifty-niners	608.00
MRHA	605.00
Phi Kappa Theta	583.00
Prospectors	564.00
Tau Kappa Epsilon	544.00
Pi Kappa Alpha	531.25
Triangle	531.00
Sigma Tau Gamma	500.25
Kappa Alpha	498.50
Beta Sigma Psi	464.75
Delta Sigma Phi	454.25
Acacia	454.00
Sigma Phi Epsilon	432.00
Sigma Pi	417.25
Wesley	352.00
Shamrock	294.00
Theta Xi	245.75
BSU	241.75
Army Assn.	137.75
Int. Fellowship	78.00

NOTICE!

International Fellowship
to Elect Officers Today
at 7:30 p. m., Room
107, Mining Building.

The handball singles champion was George Gasparovic of the Tech Club. Directly following him was Link of Sigma Tau Gamma. Couse and Wargo took the doubles championship for Tech Club, and the team of Britton-Graham was runner-up for Sigma Nu.

Sigma Tau Gamma and the Prospectors Club tied for second place in the handball play, each receiving a total of 73.5 points. The Engineer's Club came in fourth (69 points), and Sigma Nu took fifth with 66 points.

Miners Drown Westminster For Second Time

The Missouri School of Mines swim team ran off to a 68-26 victory over the Westminster squad at Fulton on January 17. Norm Nuss set an MSM record in the 100-yard freestyle, and Virtue broke a school record in the 500-yard freestyle event. Nuss took high scoring honors for both teams with his total of 11.75 points.

This is the Miners second win of the season over the men from Fulton. They will try to secure another victory on February 8, against Hendrix College. On February 12, MSM will host a meet to be staged against Principia College.

MSM 68, WESTMINSTER 26

400-yard medley relay — 1. Kruger, Kadwell, Horner, Rhoades (MSM). 2. Liepsner, Camden, Vandenburg, Carey (W).
200-yard freestyle — 1. Virtue (MSM); 2. Krempin (W); 3. Kirlham (MSM); 4. Rizer (W).
60-yard freestyle — 1. T. Jones (MSM); 2. Murphey (W); 3. R. Jones (MSM); 4. Shearer (W).
160-yard medley swim — 1. Nuss (MSM); 2. Camden (W); 3. Garrett (MSM); 4. Gilbert (W).
Diving — 1. Buecher (MSM); 2. Nations (MSM); 3. Carey (W).
200-yard butterfly — 1. Horner (MSM); 2. Vandenburg (W).
100-yard freestyle — 1. Nuss (MSM); 2. Rizer (W); 3. Murphey (W); 4. Palmer (MSM).
200-yard backstroke — 1. Krueger (MSM); 2. Garrett (MSM); 3. Smith (W); 4. Jolles (W).
500-yard freestyle — 1. Virtue (MSM); 2. Krempin (W). 3. Kulham (MSM); 4. Carey (W).
200-yard breast stroke — 1. Camden (W); 2. Haymes (MSM); 3. Kadwell (MSM); 4. Gilbert (W).
400-yard freestyle relay — 1. Rhoades (MSM); 2. T. Jones (MSM); 3. Haymes, Nuss. 4. Liepsner, Rizer, Murphey, Shearer (W).

THE BUSY BEE LAUNDRY & SANITONE DRY CLEANERS

ARTHUR GODFREY SAYS: "for more than just dry-cleaning, go SANITONE!"

FLUFF DRY 12c lb.
1 Day Service No Extra Charge

DRESS SHIRTS & SPORT SHIRTS 27c

SLACKS 55c SUITS \$1.10
(Cash and Carry—Small Extra for Pickup and Delivery)

CALL

THE BUSY BEE LAUNDRY & DRY CLEANERS

For That Professional Service, "It's the Place to Go."

14th and Oak Phone: 364-2830

Faulkner and 72 — 364-1124

FREE PARKING

BOX SCORES

(Continued From Page 9)

SIU (110)	fg	ft	pf	tp
Ramsey	9	0	1	18
Warning	6	2	1	14
Stovall	2	0	1	4
Lee	9	1	3	19
Henry	6	2	1	14
Gain	6	0	3	12
Brooks	2	0	0	4
Bigham	3	0	2	6
Searcy	1	2	0	4
O'Neal	2	0	2	4
Blythe	1	0	0	2
McNeil	4	1	1	9
TOTALS	51	8	15	110

SEMS (105)	fg	ft	pf	tp
Townsend	5	0	2	10
Ringstaff	13	7	3	33
Drexler	1	2	5	4
Ransom	4	1	5	9
Jordan	4	4	2	12
Gross	3	1	2	7
Basola	3	1	2	7
Thrower	5	1	4	11
Gammon	1	2	0	4
Myers	3	0	3	6
Miller	1	0	0	2
TOTALS	43	19	30	105

MSM (62)	fg	ft	pf	tp
Howard	3	7	3	11
Hornbuckle	4	0	0	8
Richner	2	2	4	6
Farber	7	8	1	22
Huegerich	2	1	4	5
Hilgendorf	0	1	0	1
Hale	0	4	2	4
Reichert	2	0	2	4
Beard	0	1	6	1
TOTALS	19	24	17	62

MSM (78)	fg	ft	pf	tp
Howard	7	2	3	16
Hornbuckle	2	4	0	8
Richner	1	1	4	3
Farber	9	14	5	32
Huegerich	2	0	3	4
Wolf	1	0	3	2

Hale	2	3	3	7
Beard	0	2	1	2
Reichert	2	0	3	4
TOTALS	26	26	26	78
NWMS (89)	fg	ft	pf	tp
Niera	13	2	4	28
Remund	1	2	4	4
Yeager	3	3	5	9
Maxwell	7	6	1	20
Peterson	3	4	4	10
Richardson	2	0	2	4
Robinson	4	6	3	14
TOTALS	33	23	23	89

MSM (85)	fg	ft	pf	tp
Howard	6	2	2	14
Hornbuckle	7	1	3	15
Richner	1	1	2	3
Farber	6	6	3	18
Huegerich	3	0	4	16
Wolf	0	2	0	2
Tyler	4	0	0	8
Hale	3	2	4	8
Reichert	3	3	5	9
TOTALS	34	17	23	85

NEMS (112)	fg	ft	pf	tp
Lee	1	1	1	3
Taylor	3	2	3	8
McMillon	2	1	3	5

MSM (76)	fg	ft	pf	tp
Howard	5	3	3	13
Hornbuckle	3	1	3	7
Richner	5	2	2	12
Farber	7	13	3	27
Huegerich	4	1	4	9
Wolf	1	0	0	2
Tyler	2	0	0	4
Hale	1	0	2	2
TOTALS	28	20	22	76

NWMS (83)	fg	ft	pf	tp
Maxwell	5	4	5	14
Crawford	3	0	3	6
Yeager	6	6	3	18
Peterson	4	2	4	10
Remund	3	0	3	6
Richardson	1	0	4	2
Neira	10	7	7	27
TOTALS	32	19	27	84

Sports Calendar

February 8 Springfield, at MSM (MIAA play)
February 11 Evangel, at Springfield

Swimming
February 8 Hendrix College, at Hendrix
February 12 Principia, at MSM, 4:00 p. m.
February 14 Indiana State, there

IT'S FUN TO ROLLER SKATE!



Open Every Night
Except Monday
at 7:30

Sunday Matinee
at 1:30

ROLLA ROLLER
RINK

City Hwy. 66 West

The pleasure of pen-paid bills



Bad weather never pains the neck
Of folks who pay their bills by check!

CHECKS CAN BE MAILED, IN COMFORT:
OPEN YOUR ACCOUNT WITH US, SOON!

Rolla State Bank

Downtown
210 West 8th St.

Hillcrest
Hwy. 72 & Rucker

The Drive In Bank With Parking