



01 Oct 1965

## The Missouri Miner, October 01, 1965

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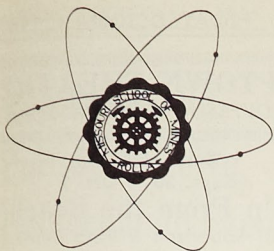
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# The Missouri MINER

UNIVERSITY OF MISSOURI AT ROLLA

VOLUME 52

FRIDAY, OCTOBER 1, 1965, ROLLA, MISSOURI

NUMBER 3

Queen  
Candidates  
on  
Pages 6 & 7



## Pianist Richard Morris To Give Concert at MSM

Richard Morris, noted pianist and educator, will present a program here at the University of Missouri at Rolla, Tuesday, October 5, at 8:30 p.m. in the Student Union Ballroom.

A gifted pianist with a facile technique and pleasing keyboard personality, Morris has played more than 20 different concertos as soloist with orchestras in various cities of the United States, including Washington, D. C., New York City, Kansas City, and Philadelphia.

He was graduated from Indiana University School of Music where he received top honors as a student of Sidney Foster. Morris has been Head of the Piano Faculty at the University of Missouri since 1960, and during this time has been in increasing demand as a recitalist and soloist with orchestras.

In these performances, he has appeared in many metropolitan areas. Bookings have included

performances at colleges and universities, as well as music clubs, professional associations and local managements.

As a soloist with symphony orchestras, he has achieved a stature of considerable repute, and acquired the repertoire of many different compositions.

Writing of Morris's appearance in New York's Town Hall, the New York Times critic said, "He seemed to have under control the secrets of making the piano sound well." The New York Musical America magazine commended his "brand of versatile pianism which adapted an eminently ringing tone to the differing emotional demands of the composers."

The young performer is an artist on the Extension Concert Series of the University of Missouri, and is being presented by the Student Union Board of MSM.

## Homecoming Activities Increase With Parade, Pep Rally and Giant Bonfire

Homecoming 1965 will bring several new events to MSM besides the regulars. Added this year are a parade, pep rally, and bonfire on Friday evening. The schedule has been worked out by the Special Events committee of the Student Union Board, headed by Howard Stine.

Included in the parade will be queen candidates, Chancellor Baker, Mayor Eugene Northern, and the coaching staff. After the

parade will be a pep rally and giant bonfire. This will be followed by a Coke hour for the queen candidates and an interview of the candidates.

St. Pat's Board will have its annual dance after the interview in the Student Union Ballroom.

Starting off Saturday morning will be a breakfast for the queen candidates and the interview committee. After this there will be the balloting for the queen.

In the afternoon will be the football game which will be at-

tended by the candidates and their escorts. At halftime the queen will be coronated by Chancellor Baker and Alumni President Kasten with a show by the MSM band.

Student Union will present its Homecoming Dance from 9 to 1 p.m. in the student union ballroom with the music furnished by Johnny Polzin. The Queen and the other candidates will be presented at 11:00 p.m.

## English Lecturer Conducts Physical Metallurgy Seminars

MSM will host a visiting lecturer on physical metallurgy from Birmingham, England, Oct. 4. Dr. C. J. Beevers, from the department of physical metallurgy, University of Birmingham, will speak at two seminars here Monday. At the first, planned by the University Metallurgy Department and conducted by Dr. Arthur E. Morris, seminar students and guests may meet Dr. Beevers at 4 p.m. for a coffee in Room 217, Fulton Hall. At 4:15 p.m., the lecturer will discuss "Ductile Fracture of Metals." A second seminar, sponsored by the University's Graduate Center for Materials Research and open to all interested persons, will be at 7:30 p.m., Room 104, Physics Building. The discussion will be "Hydrogen Embrittlement of Zirconium."

A distinguished metallurgist and former research officer for Berkeley Nuclear Laboratories, Berkeley, England, Dr. Beevers is in the United States for the Electrochemical Society Meeting, Oct. 12, in Buffalo, N. Y. He will present an original research paper at this meeting.

At present, Dr. Beevers is touring the U. S. and comes to MSM from the Oak Ridge National Laboratories, Oak Ridge, Tenn. Before travelling to Buffalo, he will visit the Institute of Metals, University of Chicago.

Dr. Beevers' visit has been arranged by Dr. Martin Straumanis,

research professor of materials and senior staff member, Graduate Center for Materials Research. The lecture is sponsored by Dr. W. J. James, Center director and Dr. H. W. Weart, department chairman for metallurgical engineering.

## Unconcerned Students Cause Undesirable Draft Status

Do you know your draft classification? Do you know what it means? How could it affect your education?

If you have a classification of I-A or I-A-0 you are available for military service and at any time can be inducted into the service.

If you have been ordered to report for induction you may, by supplying your local draft board with a statement from the proper college official stating that you are pursuing a full-time course of instruction, be deferred. In this case

you would receive a Class I-S-C rating and would be deferred until the end of the academic year. This classification is granted only once and the student should apply for a new deferment in Class II-S and should request that the registrar certify his student status with his local draft board.

If you notify your local draft board of your student status you will receive an occupational deferment of Class II-S. These deferments normally run from September to October of the next year. These deferments may be cancelled for discontinuance of full-time course instruction or unsatisfactory achievement. Members of the R.O.T.C. program are classified I-D. As long as the requirements are met, you'll remain classified I!D.

Students preparing for the ministry under the direction of a recognized church or religious organization and are following a full-time course of instruction in a recognized theological or divinity school may apply for a class IV-D rating. Within ten days of the notice of your classification you may appeal the classification given you.

### NOTICE!

All organizations requesting funds from the Student Council must turn in a request by October 15. Applications may be picked up and returned at the Candy Counter of the Student Union.

### NOTICE!

The Traffic Safety Committee has announced that students with motor vehicles in or about Rolla will be required to have their registration decals applied by Monday, October 4, 1965.

by the Board of Curators, and bids will be asked next year with 1967 the expected completion date, Dr. Baker said.

The Center will be a three-story structure above ground providing 30,000 square feet of floor space for laboratories, graduate student and staff offices. At the present time, the Materials Research Center is located in the Buehler Building.

The U. S. O. E. grant was based on a request contained in a formal proposal prepared by Doctors Otto Hill, William James, Gordon Lewis and Martin Staudmanis, senior staff members of the Materials Research Center. They were assisted by members of the University's space Sciences Research Committee: Dr. T. J. Planje, Dr. Harold Fuller, Dr. Harry Weart, and Dr. W. H. Webb.

The Materials Research program at Rolla is a part of the University's Space Sciences Research Program, of which Dr. Ward Haas, Columbia, is director. The Columbia research will be chiefly in the life sciences area.

On the Rolla campus, 20 research projects, all studies of materials, are under way in the Center, all active or to be started this year.

## Funds Appropriated for New Research Building

A three-story Materials Research Center will be constructed on the MSM campus. The funds were provided by a recent U. S. Office of Education grant along with a previous capital funds grant from the Missouri General Assembly.

The U. S. O. E. grant provides \$342,000 for the Rolla campus. The Missouri General Assembly had voted \$750,000 two years ago. The building will be built on the MSM upper parking lot at 16th and State Streets. The design has already been approved



## J. Kent Roberts Named President Of Pro Engineers

J. Kent Roberts, professor of civil engineering at MSM, was installed as president of the Missouri Society of Professional Engineers at the group's annual meeting last May.

Roberts took office on July 1 to head the 3400-member professional society for a one-year term. Other new officers of the Society are: president-elect, Melford E. Monsees, Kansas City; vice-president, G. V. Williamson, St. Louis; secretary, Lennie O. Whitworth, Jr., Sikeston; and treasurer, Lee Lamar, Jefferson City.

Roberts has been active in the state engineers' organization for many years, having served as chapter director, treasurer, secretary and vice president before becoming president-elect last year. He is also a director of the National Society of Professional Engineers.

Roberts is a fellow in the ASCE, which he has served as president of the Mid-Missouri Section and faculty sponsor of the student chapter at MSM. He is past president of the Missouri Association of Registered Land Surveyors, a member of the American Society for Engineering Education, a member of the Engineers' Club of St. Louis and Chi Epsilon, Phi Kappa Phi and Sigma Xi honor societies.

Having received his B.S. in civil engineering at the University of Oklahoma, Roberts joined the faculty of MSM in 1947. He received the M.S. in C.E. degree there in 1950.

Roberts has done summer work with the Missouri State Highway Department, the Missouri Division of Health, the U.S. Geological Survey, the U.S. Public Health Service and the National Park Service.

### NOTICE!

Students and faculty members interested in attending Yom Kippur services Tuesday evening October 5th and Wednesday, October 6th, should call 364-3964.

Services are conducted by Chaplain Arthur Baseman at Fort Leonard Wood, and Rolla residents are welcome to attend.

## Dr. Baker Meets With Students In First Coffee Chat of the Year

At his first coffee chat of the year Chancellor Merl Baker discussed the computer programming of schedules, the new advisor program, graduation requirement changes, graduate student teaching, and student enrollment levels. It was held Thursday, September 23 in the Student Union lounge.

In regard to the schedules he said that a mistake was made in programming the computers and this is why so many students had a large number of classes in suc-

cession. The mistake has been found and corrected for future programming.

Chancellor Baker urged the students to make more use of their advisors. Under a new program the school has started, the advisors will be better able to help the students with any problems they may have. A school psychiatrist has also been hired to assist the advisors.

Graduation requirements have been changed to include many

more humanities courses. This is in line with the accreditation check made last year by a national board of engineers.

In hiring graduate students to teach Chancellor Baker explained that the departments were limited by the amount of money allotted them by the school. Foreign students are usually not hired because American students usually don't learn as well from a person whose accent varies from theirs.

Enrollment at MSM has been the opposite from the national trends of engineering school entrances. While it has been on a decline for the last ten years nationally, it has been on a steady rise here. The faculty is pledged to keep MSM basically an engineering school even though the amount of non-engineering students has also risen lately with the added humanity courses.

## University Updates Schedule of Courses

In their continuous effort to keep ahead of advances in modern technology, officials and faculty at MSM have again this year changed and improved the course offerings. According to Dr. A. J. Miles, dean of the School of Engineering and chairman of the curricula committee, new courses have been added in each of the 22 engineering and science degree areas available at the University.

Five new courses have been added in nuclear engineering alone. Many other classes will be for graduate students in all disciplines, as the graduate enrollment has grown from 359 in 1964 to 403 this fall. Though the majority of added courses are in engineering and science, attention is also being given to other areas.

An entirely new course of study will provide students the opportunity to earn the master of science in engineering administration. Topics now being taught for this industrial management degree, available only to those with the bachelor of science in engineering, include: "Human Relations and Management," "Advanced Management," and "Case Studies in Administration."

The seven graduate students presently enrolled in engineering administration will also be studying: "Philosophy of Science," "English Novel," and "Recent United States History." These three new classes are offered to commuter students enrolled in the two-year General Studies pro-

gram, and science and engineering students as well.

Aware of the growing need for improving the liberal arts backgrounds of engineers and scientists, curricula committee members of MSM have added other humanities and social studies courses. These include two semesters of music appreciation, offered for the first time in January, introductory studies in philosophy, ethics, and logic, American government and two semesters of world history.

### NOTICE!

**ALL SCHOOL MIXER**  
**SATURDAY, OCT. 2**  
**TWO DANCES —**  
**TWO BANDS**  
**STARTING**  
**1 P. M. & 8 P. M.**  
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**GIRLS!**

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**Starts Sunday Oct. 3-7**  
**Sunday Continuous From 1 p. m.**

**'A Very Special Favor'**

Rock Hudson & Leslie Caron

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**'What's New Pussycat?'**

Peter Sellers & Peter O'Toole

**Wed., Thurs. Oct. 6-7**  
**'Code 7, Victim 5'**

Lex Barker & Ronald Fraser

### ROLLA DRIVE IN SHOWS START AT 7 P. M.

**Fri., Sat. Oct. 1-2**

**'The Blob'**

Steven McQueen &  
Aneta Corseaut

—PLUS—

**'Dinosaurs'**

Ward Ramsey & Kristina Hanson

**Sun., Mon. Oct. 3-4**  
**'Palm Springs Weekend'**

Troy Donahue & Connie Stevens  
—PLUS—

**'A Yank in Viet-Nam'**

Marshall Thompson &  
Enrique Magalona

**CLOSED OCTOBER 5-7**



## Pep Rally and Parade Highlight Homecoming Events

The University of Missouri at Rolla's 1965 Homecoming activities will begin with a parade on Friday, October 8th, at 6:15 p. m. The parade, annually a highlight of the Homecoming festivities, will form at 6th and Pine and proceed to the intramural field.

Immediately following the Homecoming parade on October 8, the Student Union Board will have a bonfire and pep rally on the intramural field.

In the past the bonfires have been large, but reports are this year that the bonfire will be gigantic. The pep rally will be narrated by Gene Kalhorn and the MSM band will provide music. A few of the speakers scheduled to talk are Coach Allgood, Chancellor Baker, Alumni president, Ray O. Kasten and members of the Miner football squad.

The pep rally and bonfire is scheduled so the Miners can display their enthusiasm for MSM and its football team. Let's make this a most enthusiastic Homecoming for MSM by coming to the bonfire and pep rally and yell the Miners to victory.

Preparations for the parade have been going on for several weeks now. The student union committee, led by John Andeslich and Rick Vetter, has arranged this year's parade so that it will be one of the best ever.

Many floats, bands local and school officials, and, of course, the queen candidates are scheduled to appear in the parade. Gene Kalhorn will serve as the parade's master of ceremonies. The UMR and Rolla High School bands will provide marching music. The Pershing Rifles will perform their intricate maneuvers at various times during the parade. Crancellor Baker, Mayor Eugene Northern, and their wives will be among the honored guests in the parade. Past and present officials of the UMR Alumni Organization will be present. Outgoing president, James W. Stevens, new president, R. O. Kasten, executive vice-president, James J. Murphy, and their wives will traverse the parade route in their chauffeured limousines. The entire football coaching staff will also help makeup the parade. The beautiful queen candidates will highlight and add glamour to the festivities. Floats representing the many fraternities and religious and social organizations will add excitement and in some cases a great deal of humor to the parade.

## Heads of Divisions Elevated to Title of Dean

The titles of the heads of the four schools of MSM were changed from director to dean.

The changes in title have been approved by the Curators of the University of Missouri to further strengthen the organizational structure of the University of Missouri System.

Under these changes, Dr. Aaron J. Miles becomes Dean of the School of Engineering and professor of mechanical engineering; Dr. Theodore J. Planje will be Dean of the School of Mines and Metallurgy and professor of ceramic engineering; Dr. Paul Dean Proctor becomes Dean of the School of Science and professor of geology; and Dr. Wouter Bosch becomes Dean of the Graduate School and professor of chemistry. Dr. Dudley Thompson will continue to hold the titles of Dean of Faculties, professor of chemical engineering and Director of the Industrial Research Center.

The Schools were created as major divisions when the former School of Mines and Metallurgy was elevated to full University status in 1964.

### DR. MILES SCHOOL OF ENGINEERING

Dr. Miles, who will assume the post of Dean of the School of Engineering in July, has been chairman of the department of mechanical engineering for the past 23 years. He succeeds Dr. Thompson, who has filled that post temporarily since it was created in the reorganization of the school in July, 1964. The School of Engineering includes the departments of chemical, civil, electrical and mechanical engineering, engineering graphics and applied mechanics. A native Missourian, Dr. Miles received his B.S. in

mechanical engineering and M.S. in mathematics at Rolla and the Sc.D. in engineering mechanics at the University of Michigan.

### DR. PLANJE SCHOOL OF MINES AND METALLURGY

Dr. Planje, Dean of the School of Mines and Metallurgy, has been on the faculty of MSM since 1946 and has been chairman of the department of ceramic engineering since 1955. For the past year he has served in a dual capacity as department chairman and director of the School of Mines and Metallurgy. Dr. Planje received his B.S. degree at Rolla in 1940 and the Ph.D. degree from the University in 1950. The School of Mines and Metallurgy includes the departments of mining, metallurgical, ceramic and geological engineering.

Dr. Proctor, Dean of the School of Science, has been chairman of the departments of geology and geological engineering since 1957. During the past year he has headed the two departments and the School of Science. A native of Utah, Dr. Proctor received his A. B. degree from the University of Utah, the A. M. degree from Indiana University. The School of Science includes departments of mathematics, chemistry, geology and physics.

### DR. PROCTOR SCHOOL OF SCIENCE

Dr. Proctor, Dean of the School

(Continued on Page 5)

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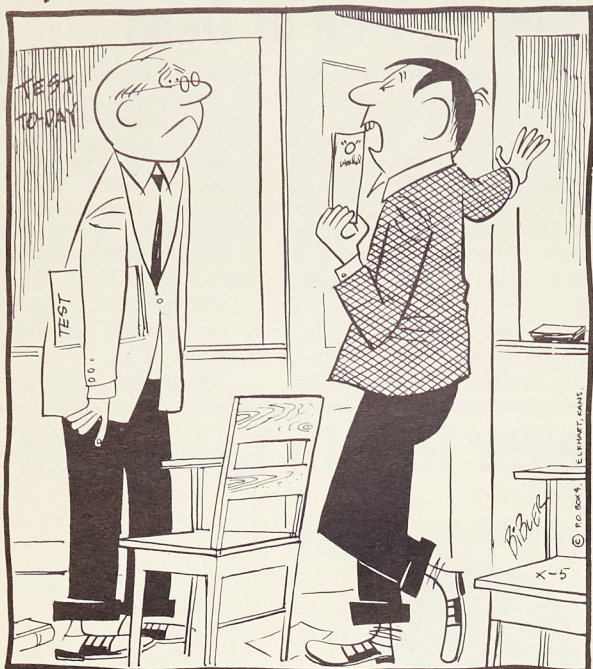
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## LITTLE MAN ON CAMPUS



"NAAN, I AIN'T WORRIED ABOUT THIS O. MOST OF TH' CLASS GOT ONE AN' SINCE YA GRADE ON TH' CURVE I FIGGER IT'S WORTH A C."

## CRYING OUT LOUD

BY JOHN TENFELDER

Once upon a time in a little known town called Allor, there were two book stores. These were fine, upright establishments known throughout the country for their fast, efficient service, low prices, and friendly atmosphere. Alas, evil times fell upon the town and all that was left of the bookstores' former assets was its friendly atmosphere.

"Why did they not lose that too?" you may ask. Well the main reason was that they were making so much money that they could now afford to be more friendly than ever, because each renim (as the students were called) represented about \$10 profit. With about 4000 renims in town, who had to buy their books from them, they lived rather comfortably. It was also noticed that at about this same time the school, Rural Monsoon U. (RMU), started changing to new books each semester, quite needlessly, too.

Still, the renims did nothing but complain. So the book stores further abused their exalted position by not stocking enough American Lit. books. Then after 12 per cent of the semester was wasted, the book stores started selling the books again — but only if you had one reserved. When this happened, the renims were deeply concerned and they started talking and writing newspaper articles about the abuses of the book stores.

Some of the renims wanted to start a student-run, coop book store that would be open the first two weeks of school; but none of the student service organizations would undertake the responsibility. Others thought the Student Union should run a non-profit book store, but the Union was already too small to provide any reasonable amount of service to the students.

So despite all the talk, no one did anything except spend more money at the book stores. The renims became so poor that they could no longer afford razor blades or decent clothes. Their condition has not improved since then either, and for being so backward because they would not act to protect themselves from the greedy book stores, people called them Miners (or Renim backwards) and to this day they are still called that.

Any similarities between conditions in Allor and Rolla are purely intentional and I hope it will get some group moving.

# MINER

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## "Multiple Choice Tests Are Ambiguous"

Says Dr. Hoffman

"Multiple-choice tests corrupt education," declares Dr. Banesh Hoffman, professor of Mathematics at Queens College. Author of "The Tyranny of Testing" charges that multiple-choice tests use ambiguity as a substitute for genuine difficulty and foster intellectual dishonesty.

"They favor quick-witted superficiality while penalizing depth, subtlety, and creativity," Professor Hoffman asserts.

Dr. Hoffman has been three times a member of the Institute for Advanced Study. An expert on relativity theory, he collaborated with Einstein and Infeld on a classic research paper, and has written more than 70 articles on the subject. In the field of testing, he has been consultant to the Westinghouse Science Talent Search for the past twenty years.

Dr. Hoffman disputes the claim of test makers that they are scientists. He calls their statistical methods "inherently misleading." He recommends that a distinguished committee of inquiry be established to act in the public interest in examining the whole matter of testing in education. In recent months, Dr. Hoffman has discussed the attempts of Educational Testing Service to defend against challenges to its sample questions.

## On the Other Side of The Transit

BY DON WARD

### REQUIEM FOR AN ART

Let me write a final salute to an art that is slowly but very definitely fading from the scene. Let me wave farewell to those days of trite comics, loose G-strings and enthusiastic "take it off." Burlesque — an art all its own — has recently passed away.

This whole thing called *burlesque* began with a chap called Aristophanes who wrote the first burlesque comedy for his friends in Athens. But this burlesque was both popularless and femaleness — a sure failure for any playwright.

By the late 19th century, the term *burlesque* meant an afternoon of puns, gags and comic seduction scenes. Still dameless, the term remained still unpopularless and unattended.

But in 1868 the Great Awakening happened and Lydia Thompson and her British Blondes arrived on the burlesque scene. With the arrival of the female element into the field, the attendance and popularity of burlesque suddenly began to grow. (Oddly enough, the addition of women to anything seems to cause about the same result.) But this first group of parading beauties appeared in tights and stood merely as forerunners of "better things were to come." Even despite the lack of revealed flesh, the show lasted over six years and played largely to filled houses.

Mme. Rentz's Female Minstrels gave their audience their first glimpse into future burlesque when in 1869 the troupe appeared in long gowns lashed to reveal their legs for all to admire. Things continued to develop so that by the end of the Gold Rush period in California, honky tonk had developed on the infamous Barbary Coast and moved across the continent until it reached the Bowery of New York City and real popularity. Honky tonk was a burlesque type of theatre or music hall in which a ticket bought you not only a view of the show but even a 'fancy lady' to sit on your lap in case production bogged down. Naturally such a system was very popular and so by 1900 large organizations like Columbia and Mutual began large scale burlesque operations. Each company tried to better their commercial opponents and so the race to nudity and the eventual death of burlesque began. The Shuberts placed the first bet by extending the revealed leg of Mme Rentz by introducing the first bare midriff in "The Passing Show" of 1914. By 1923, another large operation topped this move by exposing the first bare bosom in a show called "Artists and Models" and so the term "lung flash" came into being. But Miss Hart topped even this when she presented not a lung flash for her specialty, but a flash in another anatomical region. And so there was no further to go and the race was over with Miss Hart 'barely' the winner.

It was these depression days of the thirties that burlesque reached its financial success and audience popularity. With average salaries around \$25 a week, the better strippers were getting as high as \$625 a week with extra bonuses for lung flashes (\$2.50 for both breasts or \$1.50 for one depending on the performer's scruples).

But burlesque was not all sex. There was always the comics with their old, old, old, old jokes and routines which always drew laughs and always will. But it was burlesque that offered a training ground for some of the later great comedians of radio and television. People like W. C. Fields, Fanny Brice, Abbot and Costello, Jackie Gleason, Phil Silvers and Bert Lahr all began as burlesque comics.

But the scarcity of clothing and the abundance of tinted jokes brought the wrath of moralists and law enforcers and so the 'raid' became a frequent added treat to the evening at the burlesque theatre. And so as more and more local legal bodies took action, more and more burlesque houses closed. Today only a handful of performers and houses remain scattered over the country. Performers such as Evelyn West, Virginia Bell, Blaze Starr and Ann Corio can still pull down \$1,500 a week, for audiences still follow this art enthusiastically. But still the art is doomed — for these performers have an average age of about 50 and there is no young talent to follow. There are no new comics and the old ones are dying away. It appears that the 'good old days' are over and burlesque faces its Waterloo. Oh Well, they say that if you live long enough everything comes around twice. I for one hope that I can live that long.

## Engineering Dropout Study Reveals Startling Figures

Viewed on a nation-wide basis, the problem of drop outs among engineering students is startling. In a recent report the Committee on Student Attrition of the Engineering Manpower Commission pointed out that of the 70,029 students who entered engineering schools as freshmen in 1958, only 47,989 (or 61 per cent) remained as sophomores the following year, and only 34,735 received their bachelor's degrees in 1962.

The Committee went on to state that there are programs which seem to be successful in reducing drop-outs. Such programs stress better pre-selection and guidance of students, curriculum flexibility, remedial pro-

grams for improving skills such as reading and composition, and programs which give the student perspective and a sense of identification — even in the freshman year — with his chosen field.

Ideas similar to these seem to be proving their merit in Cornell University's Division of Basic Studies, a separate unit of the College of Engineering. In the Division of Basic Studies a student is not a member of any particular school. He is not required to commit himself to a particular school until the end of the sophomore year. To help the student plan his academic career, 16 experienced senior engineering faculty advisors work with the Di-

vision. To help the student who is in academic hot water, supplementary tutoring sessions, conducted by upperclass student volunteers, are sponsored by the College. Students are brought into immediate contact with engineering and professional engineers.

Twenty per cent of the freshman curriculum and 50 per cent of the sophomore curriculum are conducted by members of the Engineering College faculty.

In addition to the usual introductory courses in math, physics and chemistry, students are required to take a course in Engineering Problems and Methods. This is designed to introduce to

the student the kinds of problems which arise in all fields of engineering and to suggest to him possible methods of solution.

Although not all the problems of engineering education have been solved, Professor Howard G. Smith, director of the Division of Basic Studies, feels that the Division has been unquestionably successful in its first three years.

"Not only have we eliminated many of the administrative transfer problems which previously existed at the freshman-sophomore level, but we have created a smoothly running program of intermeshing purposes which in some places used to overlap, even conflict.

"Now the College of Engineering as a whole considers the Division to be a joint effort. This in itself creates a feeling of drive and purpose which cannot help being felt among the students."

As the Division enters its fourth year, many changes have been made and many more are still being made. However, according to Professor Smith, one thing remains clear. "We are headed in the right direction." Last year's sophomore class, he said, showed one of the lowest attrition rates in the past years. Although he is pleased with the number of remaining juniors, the percentage should be even higher this year, Professor Smith added.



## MSM Graduates Forty Year Veteran

A 1925 college dropout who never lost his ambition to get his degree finally made it at commencement exercises at MSM Saturday.

A bachelor's degree in metallurgical engineering was granted to 60-year-old Harold Seifert, who set a record for time elapsed between starting and finishing college. Seifert, who entered MSM in 1922 after graduation from Joplin High School, returned to Rolla last September for his final year.

Semi-retired since 1958, Seifert has already had a successful career in the field of metallurgical engineering. After he left college in 1925, he went to Mexico where he had spent most of his boyhood, and he has lived there most of the intervening years.

The decision to return to school came almost as an accident. Last summer Seifert stopped to take a few pictures of his alma mater as he passed through Rolla. In a chance encounter with school officials, he mentioned his long-standing wish to finish school, and their encouragement led him to take the necessary steps for readmission. A special program was worked out which would make it possible for him to graduate in one full year of class work.

### Title Changes

(Continued From Page 3)

#### DR. BOSCH GRADUATE SCHOOL

Dr. Bosch, Dean of the Graduate School, joined the faculty here in 1958 as professor of paint and polymer chemistry and was placed in charge of graduate work in 1963. A native of Utrecht, the Netherlands, he received his B.S., M.S. and Ph.D. degrees in chemistry at the state University of Utrecht.

#### DR. THOMPSON DEAN OF FACULTIES

Dr. Thompson, Dean of Faculties, has been on the staff at Rolla since 1956. He received his B.S., M.S. and Ph.D. degrees from Virginia Polytechnic Institute and taught there for a number of years before coming to Rolla. He was chairman of the department of chemical engineering and chemistry from 1956 to 1964.

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How has it been for him to go back to the classroom after 40 years absence with boys a generation and a half younger?

"Rough!" says Seifert, "but I wouldn't have missed it for the world!"

Classes are tougher than when he was in school before, Seifert reports, not only because he is older and out of the habit of studying, but because there is so much more to learn. He estimates that in some of his classes he would have had to cover only about two-thirds as much if he had taken the courses when he was in school before. And courses are required now which were not even dreamed of in his day. He found especially large gaps in his knowledge of mathematics and metallography, which have developed rapidly in recent years. Added to this, professional and scholastic standards are much higher than previously, with a higher grade average required for graduation. Only the helpfulness of professors and fellow students brought him through the difficult times, Seifert says.

And no one had better run down the present generation of college students to Seifert. He'll set them straight in a hurry.

"They're great!" he says, calling the opportunity to live and work intimately with a new generation one of the pleasant features of his year back on the campus.

"In every respect, professionally and morally, these boys are as good if not better than we were in my day," Seifert says.

Seifert, who has his sandy-gray hair cut to a youthful crew cut and dresses casually on the campus, felt that he was accepted as "one of the boys" although he was always treated with respect. In fact, fellow students elected him to office in two student or-

ganizations, the Christian Science Organization and the Shamrock Club. He was also a member of the Triangle fraternity, which grew from the Grubstakers Club of which he was a member when he was in school before.

Would he encourage others to follow his example?

"Definitely," is Seifert's emphatic opinion. Most older people are afraid of going back to school, as he was before he finally took the step.

"To even understand what is going on in the world today, people of my generation must continue their educations, either through further schooling or reading," says Seifert, who does not believe in an inactive retirement.

There's no thought of stopping now for this 1965 college graduate, a five-time grandfather who is as enthusiastic as a man in his 20's over the future. Now that he has his long-awaited diploma, Seifert will be going back south of the border with a consulting firm interested in further development of mineral interests in Mexico and Latin America.

### NOTICE!

Applications are now being accepted for the Lucy Wortham James Scholarships. Three scholarships, with a value of \$200 each are available for the 1965-66 school year. Application blanks may be obtained in the office of Paul E. Ponder, Assistant to the Chancellor, Room, 101, Parker Hall. Closing date for the acceptance of applications is **October 22, 1965**, and selection of recipients will be made as soon as possible after that date.

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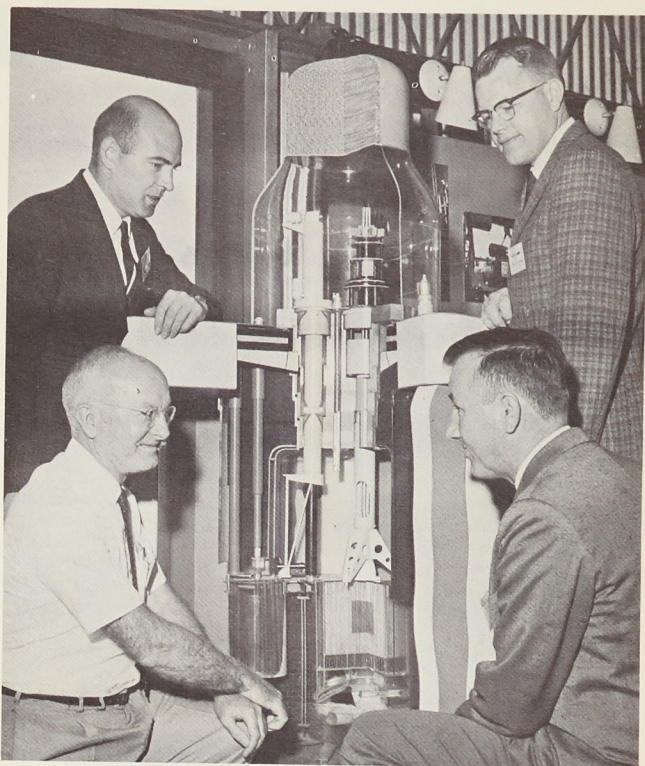
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EDUCATORS VISIT INDUSTRY: C. James Grimm (kneeling, left) of the electrical engineering faculty of the University of Missouri at Rolla was among educators visiting the Enrico Fermi Atomic power plant near Monroe, Michigan, as part of a Detroit Edison-sponsored Industry-Education Conference held August 15-18 in Detroit.

He is shown here in the Fermi Plant Information Center discussing a cut-away model of the plant's reactor with (standing left-right) Thomas A. Despres, Dearborn Campus of the University of Michigan; Henry L. Ablin, University of Nebraska; and (kneeling, right) William Lawrence, University of Michigan, Ann Arbor.



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# QUEEN CANDIDATES CHOSEN

## KAPPA PHI

The brothers of Kappa Phi are proud to present Miss Linda Dean as their candidate for Homecoming Queen. Linda, who is presently employed at MSM as a secretary in the Chemical Engineering Department, is 18 years



LINDA DEAN

old, soft hazel eyes, stands 5' 6", and weighs 116 pounds.

Some of her favorite pastimes include swimming, canoeing, bowling, horseback riding, water skiing, and spectator sports. As you can see, Linda is a very active and energetic girl.

Miss Dean's personality, vitality, and bright winning smile never cease to amaze her many friends. These are just a few of the reasons we have chosen Linda as our candidate and the expected Homecoming Queen of MSM.

## SIGMA NU

The men of Sigma Nu fraternity are proud to present Miss Sue Metz as their Homecoming Queen candidate. Sue, a black haired brown eyed Miss, is a 1962 graduate of Cleveland High School.

In addition to her five foot,



SUE METZ

eight inches of obvious physical attractiveness, Sue has maintained an exceptionally high scholastic record at Southern Methodist University. Her honors in this area include Alpha Lambda Delta scholastic honorary and Phi Alpha Theta national history honorary. Sue has also held various offices in her sorority, Zeta Tau Alpha.

Sue has graduated from SMU and is presently teaching high school in St. Louis. Later, she plans to return to college and obtain a Master of Arts degree in history.

One of Sue's motivating desires in life is to beat her escort, Ron

Huegerich, in an athletic endeavor of any sort. There is considerable speculation that she may have accomplished this feat on one of Rolla's many bowling machines.

The entire Sigma Nu house joins with brother Huegerich in wishing Miss Sue Metz the best of luck in the forthcoming election.

## DELTA SIGMA PHI

Miss Dianna Kaye Staley is the proud choice of Delta Sigma Phi as their candidate for Homecoming Queen.

For two years following her graduation in 1962 from Lanphier High School in Springfield, Illinois, Dianna has worked as a secretary in a department of the Illinois State Government. During this time she pursued her keen interest in travel by visiting such distant resort areas as Nassau in the Bahamas and Acapulco.



DIANA STALEY

When the opportunity arose in February of this year, Dianna readily accepted her present position as a stewardess with United Airlines. Although her life as a stewardess is one of constant travel, she still finds time to enjoy her favorite pastimes, swimming, water skiing, and party weekends at MSM.

Miss Staley will be escorted by brother Jim Schlosser, a senior in Chemistry.

## ALPHA PHI ALPHA

The brothers of Epsilon Psi Chapter of Alpha Phi Alpha Fraternity present as their candidate for Homecoming Queen, Miss Gwendolyn Uyvon Morrison.



GWENDOLYN MORRISON

Gwen is a 20 year old junior, physical therapy major at the University of Missouri at Columbia. Originally from Texas, Gwen

moved to St. Louis and was graduated from Berkeley High School in the upper 10 per cent of her class. While at Berkeley High School, she was a member of the National Honor Society, the school band, and the Queen's Court.

While in college, Gwen's hobbies consist of reading, horseback riding, bowling, and meeting people. At the same time she maintains an above average grade point.

We, the brothers of Alpha Phi Alpha, feel that we are well represented by this lovely, hazel eyed, charming young lady. We also feel that she typifies the Miner tradition of being associated with fine young ladies.

## FIFTY-NINERS

The Fifty-Niners proudly present Miss Sally Lefferdink as their candidate for Homecoming Queen, 1965. Sally, who resides in Warrenton, Missouri, stands 5' 4" tall, has blond hair and lovely misty-blue eyes.

As a student at Missouri Valley College, Sally is majoring in a 3 year pre-engineering program, and plans to obtain her degree in Chemical Engineering at Rolla.

We believe Sally to be a well-rounded young lady that it takes to make a gracious queen. Aside from being an outstanding student and accomplished musician, she has participated in activities that range from cheerleader to the National Honor Society. Her favorite hobby is cooking and sewing, and for her efforts she has received the Crisco Homemakers Award. Her beautiful smile and outstanding personality



SALLY LEFFERDINK

make an irresistible combination we are sure everyone would enjoy.

Miss Lefferdink's escort for the Homecoming festivities will be Mike Butler a junior majoring in Chemistry.

## SIGMA TAU GAMMA

The Sigma Tau Gamma Fraternity is proud to present as its candidate for the 1965 Homecoming Queen, Miss Linda Steffen. Lin, a resident of St. Louis County and a graduate of Pattonville High School, is a junior at the University of Missouri at Columbia where she is majoring in elementary education.

This 5' 4" blue-eyed brunette is very active in all sports, her favorites being swimming, horseback riding and dancing, as well as being active in many campus activities and attending all MSM

party weekends. She maintains above a 3.00 cumulative grade point.

Lin's natural charm and ami-



LINDA STEFFEN

able personality combine to make her a very deserving candidate for Homecoming Queen of 1965.

Lin will be escorted by Jim Murphy, a junior majoring in Mechanical Engineering.

## SHAMROCK CLUB

The Shamrock Club is proud to present its candidate for 1965



SHARON PIERCY

Homecoming Queen, Miss Sharon Piercy.

Sharon is 18 years old, 5' 3" tall, and weighs 118 pounds. She has very beautiful reddish brown hair and sparkling brown eyes to match.

Attending MSM now as a freshman education major, Sharon plans on spending the first part of her education here and then completing it at the University of Missouri at Columbia.

Graduating from Waynesville High School, Sharon was very active in many school organizations. She was a member of FHA, FTA, the National Honor Society, Youth Court, and Pep Club.

Music and sports are among her many interests.

## LAMBDA CHI ALPHA

The brothers of Lambda Chi Alpha are proud to present Miss Mary Stolsek as their choice for 1965 Homecoming Queen. Mary is a 5 ft. 7 in., 21 year old beauty with a captivating personality and a friendly smile.

After graduation from Lindbergh High School in St. Louis she enrolled at Southeast Missouri State College, Cape Girardeau. At Cape Mary is a member

of Delta Delta Delta Social Sorority, Kappa Omicron Phi, Professional Home Economics Fraternity, and was president of the Home Economics Club. As if this was not enough to keep her busy she was on the Sagamore (Yearbook) staff, and was a reporter for the Kappaha Arrow, the college newspaper. After student teaching at Dexter, Mo. High School this fall, Mary will



MARY STOLSEK

receive her degree in January, 1966.

Mary will be escorted by brother Lenny Kirberg a senior in Civil Engineering.

## MRHA

The Men's Residence Halls Association proudly presents the talented Miss Francene McLean as its Homecoming Queen candidate of 1965.

Miss McLean is a three point sophomore at Southwest Missouri State College majoring in Physical Education.

Not only does she do well academically, but she works professionally for the Lake of the Ozarks Ski Show during the summers. This is not unusual, however, as she is following in the



FRANCENE McLEAN

footsteps of her older sister who is the star of the Cyprus Gardens Ski Show.

Miss McLean will be escorted by Martin Capages, a senior majoring in Mechanical Engineering. Martin is a Personnel Assistant for MRHA and a member of the Scabbard and Blade Military Fraternity.

## TECH CLUB

The men of Tech Club are pleased to present Mary Galbraith as their 1965 Homecoming Queen candidate.

Mary is a graduate of Hick-



# HOEN FOR '65 HOMECOMING

man High in Columbia, Missouri. She worked as a secretary for Executive Leasing Company in St. Louis before moving to Rolla.

Mary is a 5' 2" beauty with brown eyes and brown hair. Her interests vary from swimming and water skiing to an ardent sports car enthusiast.



MARY GALBRAITH

Her captivating smile and charming personality should make her everyone's choice for Homecoming Queen.

Mary will be escorted by her husband James Galbraith who is a senior in Mechanical Engineering.

## TAU KAPPA EPSILON

Pretty, popular Miss Judy Iverson has been chosen by Tau Kappa Epsilon as its 1965 Homecoming Queen candidate. Judy, a 5' 7" blue-eyed blond, graduated last spring from Monmouth College with a B.A. degree in Sociology. A member of Pi Beta Phi sorority, Miss Iverson was instrumental in the planning of her sorority's activities during Monmouth's 1964-65 Greek Week.



JUDY IVERSON

Serving her school with interest and much ability, Judy was selected as a freshman attendant for the 1961 Monmouth Relays and for three years was treasurer of her school's Pep Club. She has served as an officer in the Spanish Club and last year was elected to the position of secretary of her senior class the class of 1965.

Presently Judy is employed as a private secretary for the Welch Scientific Company in Skokie, Illinois. She will be escorted by frater Bruce Work.

## TRIANGLE

The lovely lady to represent Triangle Fraternity as its candidate for Homecoming Queen 1965 is Miss Marilyn Klein. She is the daughter of Mr. and Mrs. Howard Klein of Festus, Missouri.

Marilyn, a graduate of Saint Pius X High School and Saint Mary's School of Nursing, stands five feet one inch and weighs one hundred pounds soaking wet. Her dark brown hair, bright eyes, and great personality are enough to make any patient want to get well fast.



MARILYN KLEIN

In 1964 Marilyn was a semi-finalist in the Miss Teen-age American Contest of Saint Louis. Her future plans are to return to Saint Mary's Hospital for special training in the operating room and recovery room.

Her escort will be Mr. Lawrence A. Decker.

## KAPPA ALPHA

Kappa Alpha proudly presents Miss Susan Stidham as its 1965 Homecoming Queen candidate.

An eighteen-year-old native of California, Miss Stidham has resided in Grandview, Missouri, for the past seven years. She is presently attending the University of Missouri at Kansas City as a music major.



SUSAN STIDHAM

Aside from her church and community activities, Susan is employed by Montgomery Ward and Macy's Inc. as a fashion model. Her community and church work along with her charm was rewarded when she was elected First Runner-up in the Miss Grandview contest and an alternate in the Miss Missouri pageant.

Miss Stidham's escort will be her pinmate, Ralph Ozorkiewicz, a sophomore in Electrical Engineering and a member of the Miner football squad.

## SIGMA PI

The brothers of Sigma Pi present Miss Gean Cole as their 1965 Homecoming Queen candidate.

Miss Cole is a 5' 3", blue eyed, blond, from Greenfield, Illinois. She is a '64 graduate of Greenfield High School where she was active in a variety of clubs and organizations including band and cheerleading. Presently she is attending Southern Illinois University, majoring in elementary education.

Gean enjoys swimming, dancing, and music, and plans to further her education in the field of music.



GEAN COLE

Miss Cole will be escorted by Lincoln Cochran, a sophomore in Mechanical Engineering.

## PHI KAPPA THETA

Phi Kappa Theta has selected Miss Mary Etling as its Homecoming Queen candidate for 1965.



MARY ETLING

Mary graduated from St. Elizabeth's Academy in St. Louis and is presently a junior at Webster College in Webster Groves, majoring in drama. When not attending classes she works part time at KPLR-TV, a St. Louis television station.

Mary, a 5' 6" brunette, is twenty years old and weighs 110 pounds. In her spare time she enjoys water skiing and dancing.

Mary will be escorted by Bob Fogler, a senior in Mechanical Engineering.

## SIGMA PHI EPSILON

Sigma Phi Epsilon is proud to announce the choice of Miss Gloria Toenjes as their 1965 Homecoming Queen candidate.



GLORIA TOENJES

Miss Toenjes, a graduate of Notre Dame High School in St. Louis University, is presently teaching at Our Lady of Sorrows Grade School in St. Louis.

The five-foot six inch blue-eyed blonde, whose bubbling personality well qualifies her for this year's honor, has an ardent interest in such activities as dancing, swimming, and skiing.

Miss Toenjes will be escorted by Pete Hatcher.

## BETA SIGMA PSI

The brothers of Beta Sigma Psi are proud to present Miss Janis C. Johnson as their candidate for Homecoming Queen.



JANIS JOHNSON

Miss Johnson, a five-foot two-inch blond, graduated from Lutheran High School South in St. Louis, Missouri.

Janis is attending Valparaiso University as a sophomore, majoring in elementary school education. She is a member of Alpha Phi Delta sorority at Valparaiso.

Miss Johnson enjoys spending her time swimming, water skiing, dancing, and horseback riding.

Janis will be escorted by Jerry Fehlig, a sophomore majoring in Electrical Engineering.

## PI KAPPA ALPHA

Representing Pi Kappa Alpha for the 1965 Homecoming Queen Contest is Miss Karen Chaudoin. Miss Chaudoin, from Florissant, Missouri, is presently a junior at Kansas University where she is majoring in child psychology.

During her college career, Karen has participated in K. U.'s Freshman Orientation Committee, and has previously been a cheerleader for the Kansas City Chiefs, a professional football team. Miss Chaudoin, a nineteen year old redhead, is 5' 3" tall, and has a beautiful personality. Her hobbies include dancing and dressmaking.



KAREN CHAUDOIN

The "Pride of the Pikes" has the beauty and charm necessary to become the Homecoming Queen of 1965.

## ALPHA EPSILON PI

The brothers of Alpha Epsilon Pi are proud to present Miss Phyllis Babchick as their 1965 Homecoming Queen candidate. Phyllis, who lives in University City, Missouri, is a recent graduate of University City High School. She is presently attending Harris Teachers College in St. Louis where she is a freshman majoring in elementary education.

This delightful eighteen year old honey is 5' 4" tall with brown hair and brown eyes. Her favorite hobby is horseback riding but she also finds time in her busy schedule for modeling clothes in a fashion shop in St. Louis.



PHYLLIS BABCHICK

Phyllis' escort for the Homecoming activities will be brother Larry Eidelman.

## KAPPA SIGMA

Kappa Sigma's candidate for Homecoming Queen is Miss Diane Lovelace, 20, of St. Charles, Mo. She is a graduate of St. Charles High School and a junior majoring in elementary education at Lindenwood College. Miss Lovelace's college activities include president of the day student body.

(Continued on Page 9)



## Tekes Pledge Twenty-nine Men Start Semester With New Officers

Tekes are ready for the coming semester with a new slate of officers and a twenty-nine man pledge class. John "Harb" Henry, new president of Tau Kappa Epsilon, was also elected president of the St. Pats Board for the coming semester. Other TEKE officers are: Benny Heuser, vice-president; Glen Alexander, trea-

surer; Tony Romano, secretary; Dave Woodward, pledge trainer; Wayne Filichowski, historian; Jerry Kaplan, chaplain; Steve DeLurgio, Sergeant-at-Arms; John Van Pieteron, steward; and Rich Kenyon, assistant pledge trainer.

Tekes are proud of Gerald Bauer who was chosen runner-up for Theta Tau freshman of the year last spring.

Co-rush chairman Glen Alexander and John Mitchell put on a fine rush throughout Missouri and adjoining states. Pledges for the fall semester are: James Steward, Gary Kamp, Kurt Nielsen, Kurt Simmons, Harry Reineke, John Pryor, Eric Dunning, Larry Price, Jim Roberts, Jerry Moeslein, and Dennis Hervey from St. Louis, Mo.; Charles Lusher, Ben Moore, Alan Lowe, and Ed Bain from Kansas City, Mo.; Gary Elder and Guy Hutchison from St. Joseph, Mo.; Steve Portwood and

David Fandel from Springfield, Ill.; Chester Moutrie from Naylor, Mo.; Steve Farley from Platte City, Mo. Bill Wood from Boonville, Mo.; Jim Butts from Seattle, Wash.; Richard Tuetken from Pana, Ill.; Glen Jones from Monett, Mo.; Larry Reagan from Schenectady, New York; Dick Brinkman from Carthage, Mo.; Bill Leach from Arnold, Mo.; and Norm Gayda from Gary, Ind.

## Kappa Phi Benefits From Rush

Kappa Phi had a very successful summer of rush as twenty men were pledged into the house. The brothers welcome this fine pledge class.

This summer, the wedding bells rang for two brothers: Al Herold and Gary Woodard. Also, pledge Ben Stuart became engaged.

The officers for the fall semes-

## Alpha Phi Alpha Joins Growing Fraternity Ranks

This is the beginning of a new academic year, and for the brothers of Epsilon Psi chapter, a new life. Although new to the campus of MSM, Alpha Phi Alpha is the oldest Greek letter fraternity originally organized for Negro men. On December 4, 1906, at Cornell University in Ithaca, New York, the fraternity was founded.

In the year 1924 at Ohio State University, Alpha became the first social fraternity to integrate its ranks. Alpha Phi Alpha fraternity now has three hundred and thirty-three graduate and undergraduate chapters in the United States and two foreign countries.

Epsilon Psi chapter was founded on the MSM campus on April 27, 1965, with a chapter membership of sixteen men. The driving force behind the establishment of the chapter was provided by two brothers, Howard Manning and Louis Smith. Today, there are fourteen brothers and six pledges living in the Alpha House at Highway 63 and Elm St. Three brothers live off-campus and two are on Co-op.

There are many problems to be worked out, and we have the best leadership coming from our president.

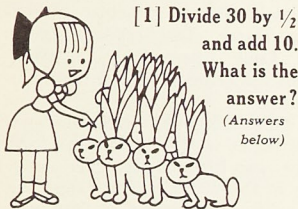
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## Kappa Sig Takes Seventeen Pledges During Summer Rush

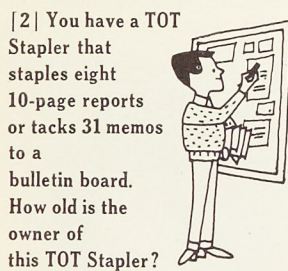
Kappa Sigma, under the leadership of Rush Chairman Rich Wohlberg, received seventeen men into pledgship on September 13, 1965. The pledging ceremony was the finale to the summer rush, and a special debt of gratitude is due to Chairman Wohlberg for the fine job he did in organizing numerous rush parties.

The new pledges, ranging in origin from Lima, Peru, to Rolla, are the following men: Bob Barlow, Jon Beers, Ray Belcher, Frank Benavides, Don Cordes, Ron Crawford, Rich Fox, Tom Hubbard, Ross Killgore, Mike Lundergan, Tom McDermott, Ron McVay, Gregg Melzer, John Moll, Lou Ogle, Tom Schmidt, and Bob White.

## Swingline PUZZLEMENTS



[1] Divide 30 by  $\frac{1}{2}$  and add 10. What is the answer? (Answers below)



[2] You have a TOT Stapler that staples eight 10-page reports or tacks 31 memos to a bulletin board. How old is the owner of this TOT Stapler?

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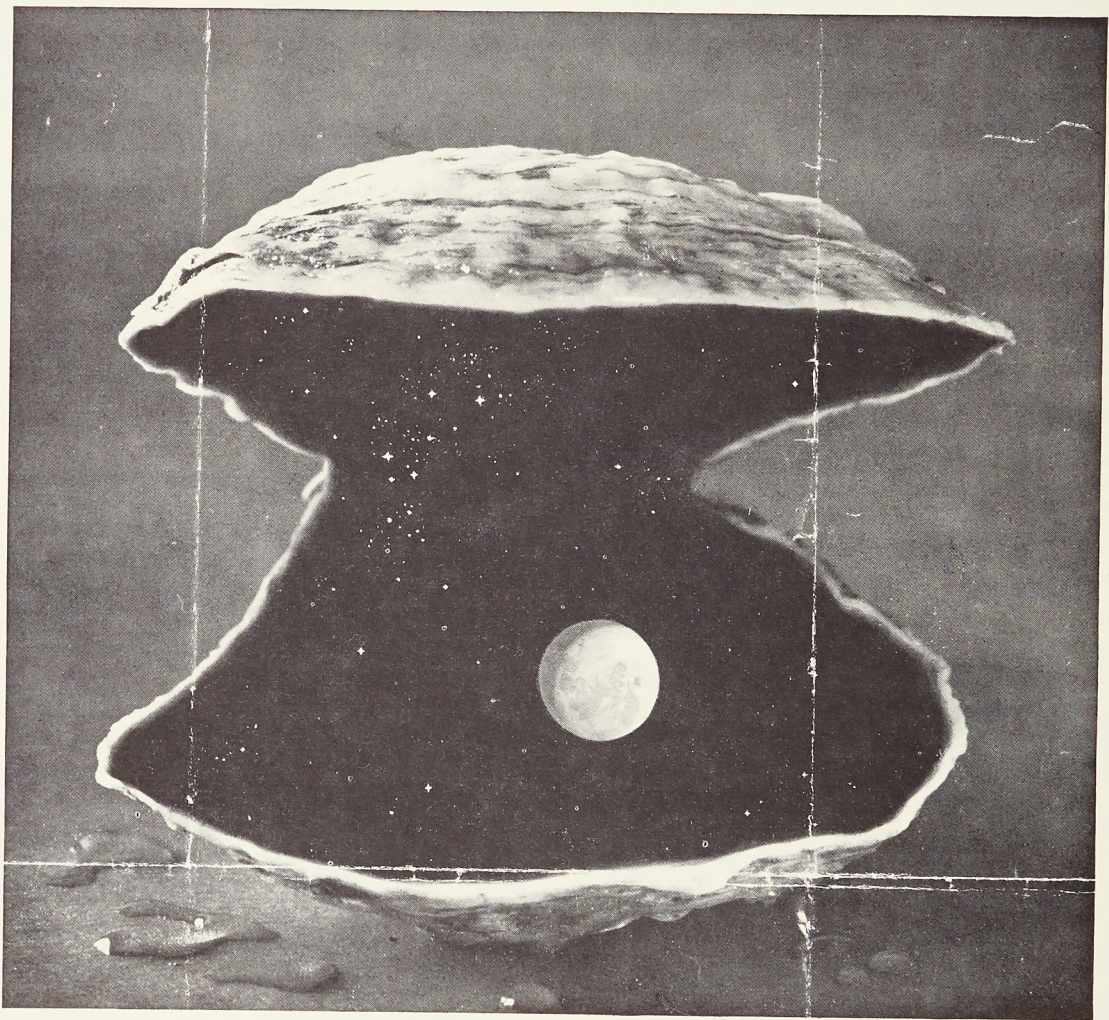


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ANSWERS: 1. 70 (30 divided by  $\frac{1}{2}$  is 60, plus 10 is 70) 2. 31 (8 reports of 10 pages each is 80 pages, plus 21 memos is 101 pages, minus 70 pages is 31 pages)



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## HOMEcoming QUEEN CANDIDATES

THETA XI

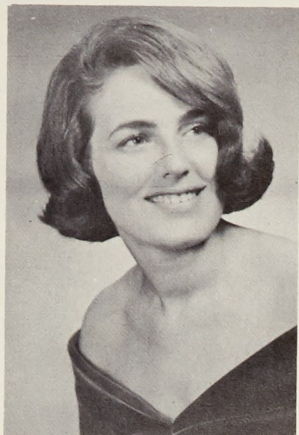
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Theta Xi Fraternity proudly presents as its 1965 Homecoming Queen candidate, Miss Janice Frederking. Miss Frederking, a sparkling blue-eyed redhead, is the daughter of Mr. and Mrs. Frederking of Nashville, Ill. She attended high school in Nashville where she graduated in 1962.



JANICE FREDERKING

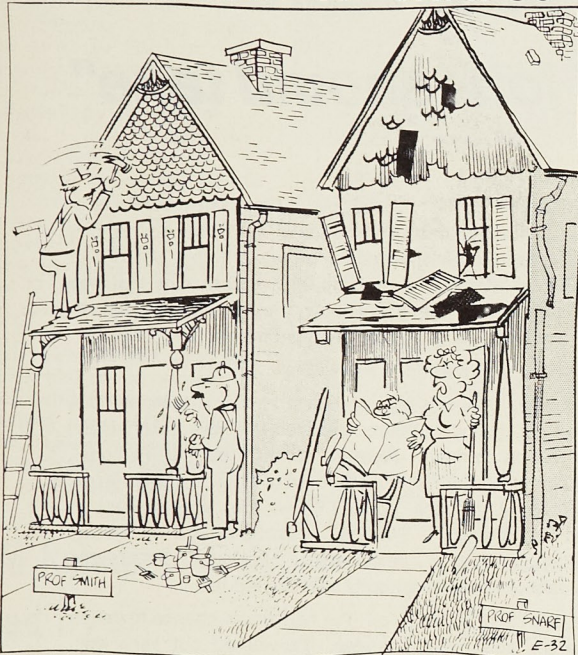
Jan's radiant personality and classic features make her the perfect selection for Homecoming Queen.



DIANE LOVELACE

Diane Lovelace is a sophomore, membership on the social committee and the Choralers, and past secretary of the sophomore class. As Miss St. Charles in the past Miss Missouri beauty pageant, she was voted Miss Congeniality. She has an avid interest in music and plays the piano. Miss Lovelace is 5' 4" and weighs 120 pounds.

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## Pikers Pick New Officers

The officers chosen to lead our house this semester are: Tony Kirn, President; Larry Littlefield, Vice-President; Dennis Fessler, Secretary; Gary Graham, Treasurer; Garry Barth, House Manager; Tom Strickland, Steward; and David Hoffmeister, Pledgemaster.

Summer Rush has brought 22 of the freshman class to our house as pledges. These men are Donald B. Albert, Max E. Atterberry, Dale E. Beasley, Dean A. Berger, Kenneth D. Blankenship, Barry J. Brandt, Thomas J. Castro, Richard G. Chapman, James G. Chrisman, Michael Crews, Michael A. Davenport, James M. Glen, Thomas N. Gorden, Jr., Stanley E. Grabski, Frederick J. Hohenberger, Daniel H. Kruvand, John J. Legsdin, James A. Ponciroli, Wayne L. Quayle, David M. Richards, James H. Sumner, and William K. Wedge.

ALPHA PHI ALPHA

(Continued From Page 8)

dent, Eugene Jackson, and house manager, Daniel Flowers. Our graduate advisor here in Rolla is Lawrence George, a physical chemist at the Bureau of Mines. Dr. Jacques Zakin of the Chemical Engineering department is our faculty advisor.

The most important job at the moment is the completion of the living room decor in preparation for Homecoming and Open House, which is to be held in the near future.

## Professor Carlton Speaks At Initiation Banquet

Lambda Chi is proud to announce the initiation of six new brothers. They are: Joe Moore, honor pledge; John Kick, Bob Montgomery, John Owens, Jerry Pickett, and Jim Vangilder. An excellent initiation banquet was held at "Chicken in the Rough." Prof. "Skipper" Carlton was the speaker and gave a thought provoking speech on, "Engineering Ethics."

The summer rush was very effective with the fine leadership of Brother Leonard Kirberg. We have pledged 28 men. The pledge class has elected Bill Gilmore as their president, Greg Slack, vice-president, Larry Heflin, treasurer, and Gary Toth as secretary.

Practically the whole chapter was present at the Wash. U. game and later enjoyed a Bar-B-Q at Forest Park. We were surprised when Brothers "Jock" Bailey and John Vanniger showed up at the game. We were glad to see both of the recent graduates.

The Lambda Chi surveying crew was out last week drawing up plans for the paving of our driveway. The brothers were glad to see that the Civils were good for something??

With the coming of fall, one notices some of the brothers up at the ungodly hour of 5:00 A.M. Squirrels are the game now. Then rabbits, then quail, then deer...

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OCTOBER 5

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## ★ TECHNICAL SERVICE ★

## New Department Furnishes Low Cost Printing for Campus Groups

A new department has been added to the MSM campus this fall. It is the Technical Services Department that is lodged in the white barracks directly behind the old chemistry building. This new department is headed by Professor Thompson while Professor Leitner serves as his assistant.

The objective of the Technical Services Department is to provide all departments, organizations, and individuals related to MSM a place to have all types of printing handled at a reasonable cost on campus. Last year it cost the University over \$30,000 to have their printing handled by private businesses in Rolla.

Besides solving a monetary problem this new department is helpful in other ways. Although the printing is running behind at the present time due to the large amounts of material that is needed by MSM at the beginning of the semester, this service will expedite printing jobs. It will also be more convenient due to its campus location, and work will be more customized as the well-trained staff specializes in the printing of school and social materials.

The Technical Services Department is presently stocked with one printing machine and one camera. Another machine is ordered and

expected soon. The best materials and techniques are used to make the finished product a work of art.

If any printing work is needed, it may be taken to the Technical Services Department. University work however, has priority over individual and social organizations. Visit the Technical Services Department when you get a chance. It is a new member of the MSM family that can be beneficial to us all.

### SUPPORT THE MINERS



**JIM XAVIER** (Ch.E.) of the '62 Bethlehem "Loop" Course is an engineer at our Sparrows Point, Md. plant—biggest in the world. 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.

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## Sunday Movie

"SEVEN DAYS IN MAY"

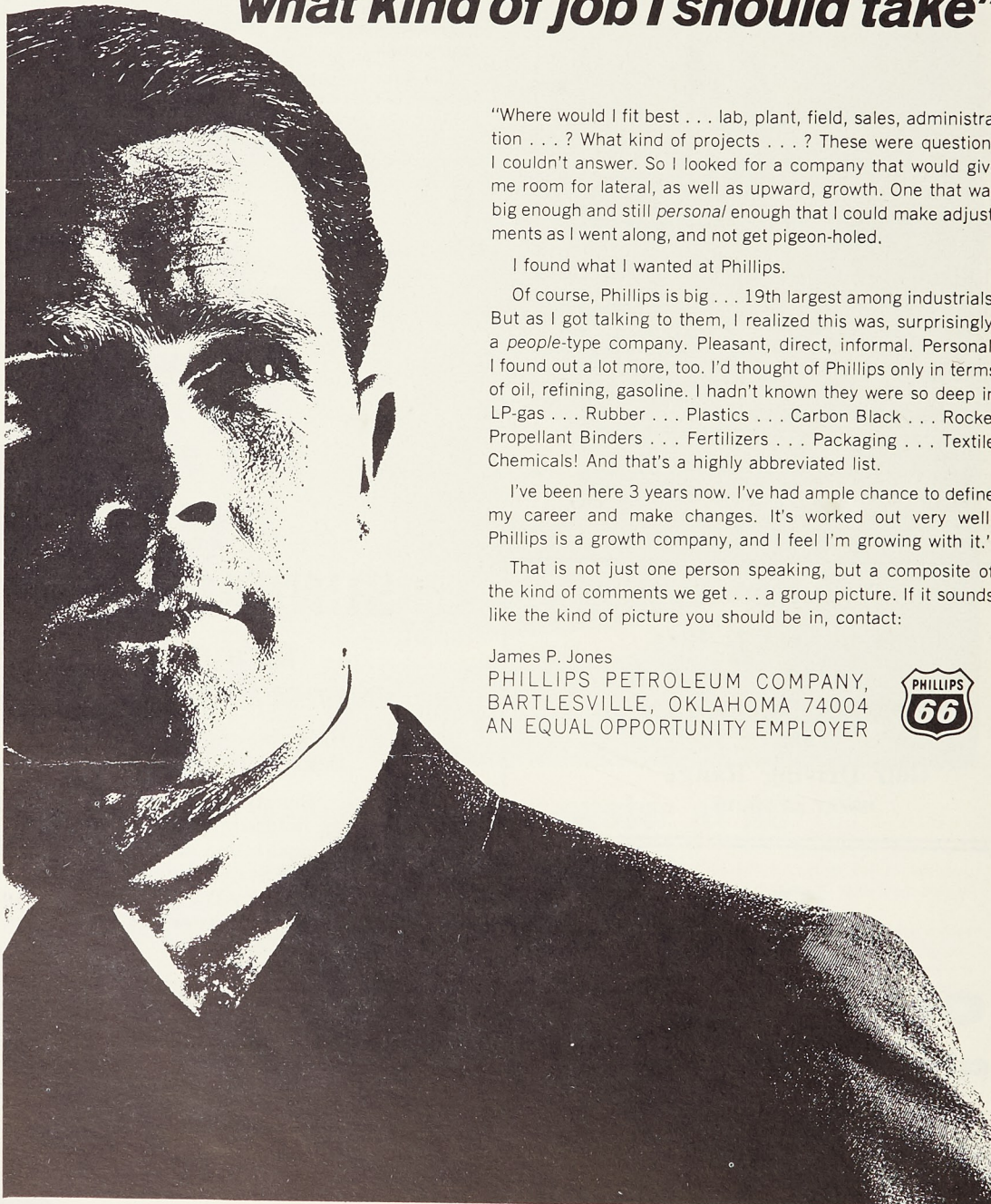
The Student Union Sunday Movie for October 3rd will be "Seven Days in May." This incredible story of a military plot to take over the United States stars Burt Lancaster and Kirk Douglas along with Fredric March, Ava Gardner, Edmond O'Brien, and Martin Balsam. Based on a novel by John Frankenheimer, "Seven Days in May" is described by the New York Herald Tribune as "an out-and-out thriller that has something to say." Tension builds throughout as Pentagon chiefs of staff, driven by frantic excesses of patriotism, plot against an idealistic, but determined, President. Show times will be at 2:30, 5:00, and 7:30.

## LITTLE MAN ON CAMPUS



"MASTERFULLY WRITTEN PROFESSOR SNARF—IT'S SELDOM MY PLEASURE TO SEE A TEST WITH SO MANY AMBIGUOUS QUESTIONS."

## "At graduation I still wasn't sure what kind of job I should take"



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Of course, Phillips is big . . . 19th largest among industrials. But as I got talking to them, I realized this was, surprisingly, a *people-type* company. Pleasant, direct, informal. Personal. I found out a lot more, too. I'd thought of Phillips only in terms of oil, refining, gasoline. I hadn't known they were so deep in LP-gas . . . Rubber . . . Plastics . . . Carbon Black . . . Rocket Propellant Binders . . . Fertilizers . . . Packaging . . . Textile Chemicals! And that's a highly abbreviated list.

I've been here 3 years now. I've had ample chance to define my career and make changes. It's worked out very well. Phillips is a growth company, and I feel I'm growing with it."

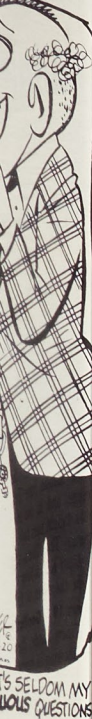
That is not just one person speaking, but a composite of the kind of comments we get . . . a group picture. If it sounds like the kind of picture you should be in, contact:

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# MINER SPORTS

FRIDAY, OCTOBER 1, 1965

THE MISSOURI MINER

PAGE 11

## Miners Tame Kansas Gorillas, Offense Sparkles in First Win

By Lloyd J. Lazarus

The Miners of the University of Missouri at Rolla staged one of the greatest wild animal acts in recent history last Saturday. The Miners took the fierce Gorillas of Kansas State Teachers College and in two-an-one-half hours taught them how to be house pets. The Miners showed the men from Kansas how to play football in the upset of the year.

### Miners 19 — Gorillas 7

The Miners made their best offensive showing in many games. A clipping penalty in the first quarter stopped a drive by MSM. Instead of first and goal on the 6 yd. line it was first and ten on the 21 yd. line. A field goal attempt by Wrinkle from the 15 yd. line was wide.

The defensive players were all-stars Saturday. They caused fumbles twice in Pittsburg territory on which the offensive team couldn't capitalize. Each man did an outstanding job working together as a unit, helping each other to get the job done.

An outstanding example of this is one series of downs in the fourth period. The Gorilla quarterback was put down three times in a row by three different men.

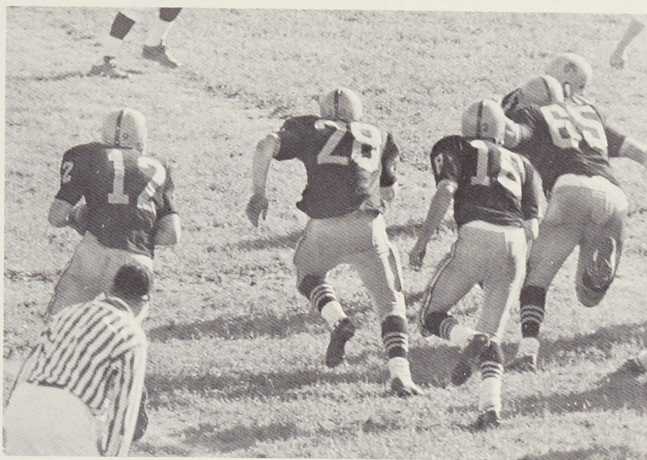
Late in the first period the Miner offense went into high gear. They started their drive on their own 38 yd. line. Ron Lewis combined a variety of running and pass plays. On the second play of the second quarter, Lewis dropped back into the pocket, waited and threw to Eugene Ricker thirty

yards away in the end zone for a touchdown. Ed Wrinkle's PAT was good and the score was 7 to 0.

In the middle of the second quarter the Miner offense suffered a relapse. From this point until the middle of the third

In the final period the offense started to click again, and so did the fans. For the next eight minutes there was pandemonium as Ron Lewis and company came alive. During this eighty yard drive there were

(Continued on Page 12)



Gasparovic, Price, Lewis, and Fix form up into a sweep, power play against Pittsburg, Kansas.

period they managed to fumble three times and have four passes intercepted. The Gorillas were able to capitalize on this and mounted a thirty-seven yard drive culminated on a five yard pass play from Vignery to Tomlin. Wilson's PAT was good and the game was tied 7 to 7.

After another fumble the Gorillas started to move again, but with time running out Wilson attempted a field goal. It was wide and at half time the game was still tied.

### Defense Saves 3rd Quarter

The third quarter seemed like a rerun of a bad horror movie (the second quarter). Late in the period Wilson attempted another field goal from the 20 yd. line and missed again. If the defense hadn't been so outstanding the outcome of the game would have been entirely different.

## MSM Runners Edged by Lincoln University

It was a wet and cloudy afternoon last Tuesday as the Missouri Miners cross country squad opened the fall schedule against Lincoln University of Jefferson City. The results were also dreary, but encouraging for the promising MSM harriers, who were edged out of victory by a three-point margin (26-29).

Although seasoned veteran Skip Damotte ran off with first place, and Ronnie Tracy was the number four man to cross the finish line, Lincoln stacked up second and third places along with fifth and sixth to take the decision.

Damotte ran the 3.86 mile course in 22:11, while Lincoln U's Wine traced the route in 22:42 and his teammate Smotherman finished in 23:29. Tracy was not far behind with his time of 23 minutes, 31 seconds.

Dishon, Scheibel, and Nolestine were seventh, eighth, and ninth, respectively in the competition.

The Washington University Bears will host MSM in a meet scheduled to get underway at 12:30 p.m., tomorrow. On October 9, Greenville College will pay the Miners a visit on the MSM course.

## SIDELINES

BY JIM WEINEL



There are a group of beaming coaches in the MSM Athletic Department this week, and rightfully so after Saturday's 19-7 romp over the Pittsburg State Gorillas. Some statistics on the past competition between the two teams add a significant footnote to the triumph, when it is noted that previous to this year's duel, the Miners had been victorious a mere five times in twenty-two meetings!! In fact, Pittsburg Coach Carnie Smith's record against MSM is about the best percentage wise of any other team. Now don't retaliate with the comment that the Gorillas are just a typical small college group. Since Smith became the head mentor at Pittsburg, his men have won two National Small College Championships (1957 and 1961)!!

This was only the second time in the history of the series, that the Miners have topped Pittsburg at Jackling Field. In 1959, Coach Gale Bullman's charges whalloped the "apes" 20-7, this being the last win for MSM until now. Even last season's battle ended in a 24-0 shut-out for the Kansas eleven.

Spirit and determination are running high among the ranks of Coach Allgood's men, and it's safe to say that the so-called MIAA Title "contenders" are taking a second look at the 1965 version of Missouri Miner football.

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

## ON THE ROAD TO TENNESSEE

## Carson-Newman Slated Next for Gridiron Group

Boasting the best team in ten years, Coach Bob Davis' Eagles from Carson-Newman College will play host to the Missouri Miners in a contest slated for tomorrow. McCown Field at Jefferson City, Tennessee will be the scene of action for the Miners third game of the 1965 season.

The Eagles are a team which takes to the air considerably, featuring a good passing attack. Running out of a winged-T and slot formation, the Birds use a 5-4-2 defense and have good size and fair speed.

Coaches Allgood and Glazier of the MSM squad expect the Silver and Gold line-ups to remain essentially the same, barring any unforeseen injuries this week. Competition for starting positions is at its highest this fall, due to outstanding abilities of several of the squad members. For the first time in quite a few years, the Miner backfield is blessed with at least three skilled backs, and Coach Glazier has been alternating the fullback position between Price and Kucenas.

Carson Newman pulled an easy 22-15 victory over Emory and Henry College this past weekend, however additional information on this contest was not available.

The next Miner home duel will be one week from tomorrow as St. Mary's of the Plains visits Rolla for the Homecoming celebration.

two." This means that the 3 back, number 15, Rick Erxleben through the 6 hole. The 6 hole is between the right tackle, number 78, Tom Owens and the right end, number 88, Paul Pfeifer. "On two" means that the center is to hike the ball the second time the quarterback says "hut."

The three plays that make a wing-T offense go are 36, 44, and 21. The 36 play has been explained above. In the 44 play the fullback, number 28, Ken Price

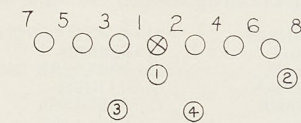


Figure 1 — Winged T

The figures have the numbers 1-8 along the line. These numbers designate the "holes" that the backs run through. The odd numbers are to the left with 1 closest to the center and the even numbers are to the right with 2 closest to the center. The backs are numbered 1-4 with 1 meaning the quarterback, 2 meaning the right halfback, 3 meaning the left halfback and 4 meaning the fullback.

In the huddle all the quarterback has to do to call a play is say its number, as "thirty-six on

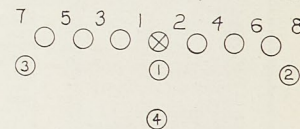


Figure 2 — Double Wing T

goes between the right guard, number 64, Mike Dressin and the right tackle, number 78, Tom

(Continued on Page 12)

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NON-CONFERENCE ACTION

# Nemo Contending Champs Rack Iowa College, 61-6

Three MIAA league teams were victorious in non-conference football play this past Saturday. Recording wins were Kirksville, Springfield, and of course, MSM, while Southeast Missouri State posted a loss and Warrensburg, a tie.

The Kirksville Bulldogs, contending MIAA Champions, piled up 353 yards on the ground and 295 in the air to trounce Upper Iowa College 61-6. Fullback Ron Villars scored two touchdowns on one-yard plunges, while Danny Boyd scored two more.

In a game at Evansville, Indiana, the Cape Girardeau Indians were scalped by the Evansville Aces 23-6. The Indiana squad spotted Southeast Missouri a touchdown first-half lead last Saturday night, and then rallied in the final half for the win. Irwin Whitehead plunged two yards for a first quarter touchdown for Cape.

Central Missouri State of War-

rensburg and Washburn University battled to a 7-7 tie, in a game played at Topeka, Kansas. Washburn scored with only 36 seconds left in the first half, but the Mules evened it up with less than two minutes gone in the fourth quarter. The CMS score came on a 76-yard pass play with end Keith Grown on the receiving end from quarterback John Repp. The PAT tied the score at 7-7.

Southwest Missouri State whipped Panhandle A & M by the score of 35-13.

## OFFENSE CHANGES

(Continued From Page 11)

right halfback or wingback, number 14, Eugene Ricker going through the 1 hole. The 1 hole is between the center, number 52, Mike Fridley and the left guard, number 77, Ken Blazek. In the double-wing the 21 play and the 36 play are the same. A 44 is not run from the double-wing formation.

## MSM vs. PITTSBURG

(Continued From Page 11)

Owens. The 21 play has the two fourth down plays. The first time Price fought his way for the needed yard, and the second time Kucenas broke through the Gorilla line for the four needed yards for the first down. George Gasparovic scored the second touchdown on an eight yard pass play from Ron Lewis. Wrinkle's PAT was no good, and we led 13 to 7 with seven minutes and forty-five seconds left.

The defense took over again and three times stopped the Gorillas in their tracks. The Miners managed to hold the Gorillas in their last desperate attempt to tie the game. With the Gorillas deep in their own territory (11 yd. line) they attempted to pass on fourth down. The pass was broken up by the defense and the Miner offense was given possession of the football on the Gorilla 11 yd. line. Erxleben carried for nine yards and was injured and helped off the field. Price then proceeded to get a first down and then got in for the touchdown. Due to a bad pass from center, the PAT was not attempted.

The gun sounded the end of the game.

# The Harmon Football Forecast

## TOP 20 TEAMS

(Forecasting Average: 276 Right, 92 Wrong .....750)

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

- 6-ARKANSAS
- 7-L.S.U.
- 8-GEORGIA
- 9-MICHIGAN
- 10-ALABAMA

- 11-NORTH CAROLINA
- 12-FLORIDA
- 13-SOUTHERN CAL.
- 14-ILLINOIS
- 15-NEBRASKA

- 16-TULSA
- 17-KENTUCKY
- 18-OREGON
- 19-MIAMI, FLA.
- 20-BAYLOR

## Saturday, October 2 — Major Colleges

Alabama	17	Mississippi	7
Arkansas	22	T. C. U.	7
Baylor	15	Florida State	14
Boston College	25	Army	13
Bowling Green	20	Dayton	6
Brown	18	Penn.	7
California	20	Kansas	14
Cincinnati	21	Wichita	7
Colgate	16	Yale	6
Colorado	12	Kansas State	13
Colorado State U.	27	New Mexico	13
Connecticut	13	Rutgers	8
Cornell	35	Lehigh	0
Dartmouth	20	Holy Cross	8
Davidson	14	The Citadel	13
Duke	15	Rice	14
East Carolina	26	Furman	0
George Washington	27	V. M. I.	7
Georgia	15	Michigan	14
Georgia Tech	14	Clemson	8
Harvard	38	Tufts	6
Illinois	21	Michigan State	20
Iowa	21	Wisconsin	10
Kentucky	14	Auburn	10
L. S. U.	20	Florida	17
Maryland	17	Syracuse	14
Massachusetts	20	Buffalo	13
Miami, Fla.	23	Tulane	7
Miami, Ohio	22	Western Michigan	6
Minnesota	13	Missouri	10
Miss. State	38	Tampa	0
Montana	31	Idaho State	12
Nebraska	11	Iowa State	8
New Mexico State	14	Texas Western	7
North Carolina	32	Virginia	7
North Texas	18	Louisville	0
Notre Dame	26	Northwestern	8
Ohio State	10	Washington	7
Ohio U.	19	Kent State	14
Oklahoma	13	Navy	10
Oregon	17	Brigham Young	8
Pacific	16	Hawaii	13
Penn. State	15	U. C. L. A.	7
Pittsburgh	35	West Virginia	13
Princeton	35	Columbia	0
Purdue	32	S. M. U.	0
South Carolina	18	N. Carolina State	14
Southern Cal.	21	Oregon State	8
Southern Miss.	28	Richmond	0
Stanford	21	Air Force	10
Temple	19	Boston U.	13
Texas	28	Indiana	0
Texas Tech	17	Texas A & M	13
Toledo	14	Marshall State	13
Tulsa	21	Oklahoma State	7
Utah State	20	San Jose State	13
Vanderbilt	17	Wake Forest	7
V. P. I.	15	William and Mary	6
Washington State	14	Idaho	8
West Texas	20	Arizona State	10
Wyoming	15	Arizona	13

## EAST (small colleges)

Amherst	21	Amn. Internat'l	0
Cortland	19	Bridgeport	14
California State	14	Lock Haven	13
Delaware	18	Gettysburg	14
Drexel Tech	12	Upsala	8
*East Stroudsburg	20	West Chester	15
Edinboro	18	Shippensburg	15
Ithaca	19	Montclair	14
Maine	17	Vermont	13
Mansfield	28	Bloomsburg	12
Middlebury	18	Worcester Tech	7
Northeastern	24	Colby	13
Oberlin	13	Allegheny	12
Rhode Island	28	New Hampshire	6
Rochester	19	Hobart	7
South'n Conn.	39	Glassboro	0
Susquehanna	16	St. Lawrence	13
Union	15	Alfred	13
Williams	12	Springfield	8

## MIDWEST (small colleges)

Albion	25	Alma	0
Ashland	30	Defiance	7
Augustana, Ill.	19	Carthage	14
Bethany, Kan.	18	Kansas Wesleyan	13
Bluffton	15	Wilmington	0
Butler	48	St. Joseph	0

## MIDWEST (small colleges cont.)

Drake	21	SW Missouri	20
E. Central Okla.	26	Langston	0
Eastern Illinois	12	Milwaukee (U of W)	8
Elmhurst	19	Iowa Wesleyan	0
Emporia State	19	Central Missouri	13
Findlay	36	Central State, O.	0
Hastings	26	Doane	0
Hope	19	Adrian	6
Kentucky State	26	Wheaton	0
Lake Forest	21	Concordia, Ill.	12
Wichigan Tech	16	Winona	12
Missouri Valley	20	William Penn	0
*Neb. Wesleyan	38	St. Mary	0
North Central	15	Carroll	12
NE Missouri	43	Pittsburg	0
NE Oklahoma	34	SE Oklahoma	7
Northern Illinois	23	Central Michigan	8
Northern Michigan	17	Hillsdale	13
*Ohio Northern	23	Eastern Michigan	14
Omaha	23	Morningside	0
*Ottawa	35	Sterling	0
Parsons	23	Northwood	7
River Falls	26	Superior	0
Rose Poly	14	Illinois College	6
SW Oklahoma	23	NW Oklahoma	12
Southwestern, Kan.	26	McPherson	7
Tarkio	14	Central Methodist	12
Taylor	18	Anderson	14
Wabash	13	Millikin	7
Whitewater	28	Platteville	12
Youngstown	20	Southern Illinois	19

## SOUTH (small colleges)

Abilene Christian	14	McMurry	9
Arkansas State	17	S. F. Austin	14
Arkansas Tech	21	Southern State	6
Arlington	17	East Texas	8
Austin Peay	24	SE Missouri	0
Bridgewater	24	Gallaudet	0
Carson-Newman	19	Missouri Mines	7
Catawba	12	Emory and Henry	7
Chattanooga	21	East Tennessee	13
Concord	14	Glenville	13
Conway State	25	Ozarks	0
Delta State	21	U. T. M. B.	7
Eastern Kentucky	13	Murray	10
Elon	14	Appalachian	6
Georgetown	13	Maryville	6
Guilford	15	Western Carolina	14
Howard	25	Louisiana College	7
Jacksonville	28	Troy State	0
Lenoir-Rhyne	20	Newberry	12
Livingston	18	Florence	14
Louisiana Tech	17	McNeese	14
Middle Tennessee	21	Western Kentucky	16
Mississippi College	14	Arkansas A & M	13
Morehead	21	Tennessee Tech	13
NW Louisiana	15	NE Louisiana	12
Ouachita	18	Harding	0
Salem	24	West Va. Tech	7
Sam Houston	28	Tarleton	6
Sewanee	20	Randolph-Macon	14
SW Louisiana	14	SE Louisiana	10
SW Texas	26	Sul Ross	8
Southwestern, Tenn.	21	Centre	12
Texas A & I	12	Trinity	8
Washington & Lee	13	Hampden-Sydney	7
Wofford	30	Presbyterian	0

## FAR WEST (small colleges)

Cal. Western	17	Occidental	7
Central Washington	20	Puget Sound	0
Colorado Mines	15	Colorado College	6
Eastern New Mexico	26	Central Oklahoma	13
Eastern Washington	15	Pacific Lutheran	13
Fort Hays	20	Colorado State	14
Fresno State	28	Washburn	0
Laverne	21	Riverside	6
Long Beach	33	Sacramento	0
Los Angeles	34	Cal Poly (Pomona)	0
N. Mexico Highlands	30	W. New Mexico	6
Pomona	16	Claremont	12
Redlands	12	Cal Lutheran	0
San Diego State	45	Cal Poly (SLO)	0
San Francisco S.	20	San Fernando	8
Santa Barbara	26	Nevada	0
Whittier	14	Davis (U of Cal)	7
Whitworth	22	Western Washington	12

(\*\*Friday Games)



Parks anywhere

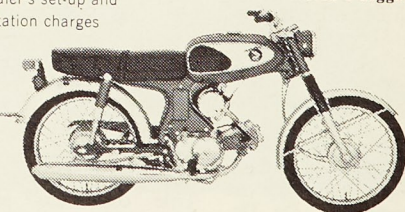
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