



15 Sep 1967

The Missouri Miner, September 15, 1967

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Work Begins on New Gymnasium

UMR will soon come on the sports scene with more vigor due to a multi-million dollar auditorium-gymnasium on which construction was started late this summer. The building is hoped to be ready for use by the spring of 1969.

Teams which have been incapacitated or eliminated due to the razing of the old Jackling Gymnasium (on the site of the new library) will be back in swing. The swimming team which has been drydocked for a year, will return to competition, while the football and basketball teams will benefit from new practice quarters and facilities. Basketball games have been played in the Rolla High School Gymnasium.

The structure, financed by state and federal funds, will have a gross area of 90,000 square feet with a seating capacity of about 5,000. The building will feature facilities for indoor athletic events including swimming, basketball, and wrestling; equipment and prac-

tice space for track, baseball, golf and tennis; and areas for concerts, commencements and drama ac-

tivities.

The building, which will be located near the football stadium on

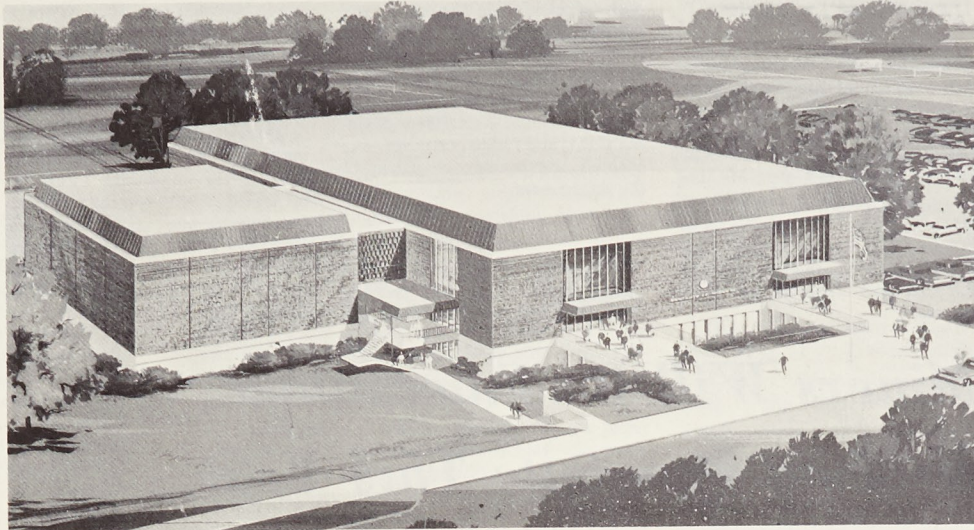
10th Street and Bishop Avenue, will be a buff brick structure with lower, middle and upper floors.

The flat roofed building will feature floor to ceiling windows. A parking lot and tennis courts will be adjacent to the building.

For the swimming team, a pool, 75 by 45 feet, will be constructed indoors. The pool will feature racing lanes and starting blocks; an underwater observation glass; one and three meter diving boards and bleachers for spectators. In addition to varsity competition, the pool will be used for physical education and recreation purposes.

Two basketball courts, 94 by 50 feet each, will be used for intramural or varsity games. A wrestling room, 60 by 20 feet, will be provided with mats. Other features will be handball courts, equipment rooms for all sports; locker rooms; shower rooms; classrooms and offices; training rooms; physical education rooms; and movie booths.

According to Prof. Gale Bullman, director of the physical education department, "The new gymnasium marks a new era for athletics at UMR."



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135976

MINER

The Missouri

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 54

FRIDAY, SEPTEMBER 15, 1967, ROLLA, MISSOURI

NUMBER 1

Noted Alumnus Delivers Speech to Summer Grads

"What Now?" was the subject of an address by John P. Soult, president of Fruin-Colnon Contracting Co., St. Louis, at UMR summer commencement exercises.

A total of 169 degrees were conferred at the ceremonies. This included seven doctor of philosophy, 68 master of science, and 94 bachelor of science degrees.

Speaking to the graduates, faculty and guests of the University, Soult stressed the importance of self-knowledge and integrity.

"Do not confuse money and accomplishments with success," he told the graduates. "If you seek and find yourself, you will have found success."

"Despite the fact that you may receive your pay check from someone else, remember that your first loyalty is to yourself, and from this will naturally flow loyalty to

the organization for which you work," he said.

Soult advised graduates to choose carefully the organization for which they work, to learn as much as they can about its policies, and to relate and be happy in their work. He urged them to extend their specific talent of engineering by broadening their horizons, by becoming involved in their communities.

Soult, who has received the B.S. degree in civil engineering and the professional degree in civil engineering from UMR, joined the Fruin-Colnon Co. upon graduation in 1939. With the exception of five years with the U.S. Army Corps of Engineers, Soult has served the company continuously, advancing from field engineer to director, corporate secretary, executive vice president, and president.

Dr. Miles Named Dean Emeritus During Summer Commencement

After 34 years service on the UMR faculty, Dr. Aaron J. Miles was named dean emeritus of the School of Engineering at the summer commencement exercises Aug. 5.

The ceremony, at which over 150 degrees were granted, was held at 10 a.m. central daylight saving time in the Student Union Ballroom.

Dr. Miles, who became dean of the School in 1965, served as chairman of the department of mechanical engineering from 1942 to 1965; assistant professor and associate professor of mechanical engineering from 1937 to 1942; and instructor of mathematics from 1930 to 1933. He has al-

so been professor of physics and mathematics at Shurtleff College and instructor of mathematics at Albion College.

Dr. Miles holds an Sc. D. in engineering mechanics from the University of Michigan; and an M.S. in mathematics and a B.S. in mechanical engineering from UMR.

His non-academic experience includes the positions of research petroleum engineer for the Stanolind Oil and Gas Co., Tulsa; research engineer for the Naval Ordnance Test Station, China Lake; consultant for the Southwestern Bell Telephone Co., St. Louis; and head engineer for Sverdrup and Parcel, Inc., St. Louis.

In tribute to Dr. Miles, Chancellor Merl Baker said: "Dean Miles is the 'senior statesman' of this campus and his help has been most valuable to me in my four years here. His contribution while serving as dean of the School of Engineering during this important period in its development will prove of increasing importance to future development."

Dr. Miles will be succeeded by Dr. J. Stuart Johnson, former dean of engineering at Wayne State University and a member of the UMR electrical engineering faculty from 1937 to 1944. Dr. Miles will assume a special assignment at UMR which will include teaching and working with industry.

Outstanding Teachers Chosen By UMR Faculty and Students

Twenty UMR faculty members have been chosen Outstanding Teachers for 1966-67 by their students and fellow faculty, Chancellor Merl Baker has announced.

Recipients of the Outstanding Teaching Awards were chosen in a campus-wide vote scored by computer using a weighted combination of normalized student vote, honor student vote and faculty vote.

Seven of the 20 received monetary awards in addition to teaching award certificates. Six, chosen at random by computer from a subgroup ranked highest by undergraduate students, received undergraduate teaching awards of \$500 from Standard Oil (Indiana) Foundation, Inc. Another award of \$250 from the MSM-UMR Alumni Association went to a faculty member picked at random from the group of 20.

Dr. Martin E. Straumanis, research professor, materials research received the alumni association's \$250 Outstanding Research award. Straumanis was chosen by an anonymous faculty committee.

Recipients of Standard Oil undergraduate teaching awards were Dr. W. A. Andrews, civil engineering; Prof. Jack Bobbitt, humanities; Dr. K. G. Mayhan, chemical engineering; Prof. S. J. Pagano, mathematics; Dr. R. D. Rechten, geology, and Prof. R. V. Wolf, metallurgical engineering.

Dr. W. R. Malisch, civil engineering, received the alumni association award.

Others in the outstanding teacher group were Dr. D. E. Day, ceramic engineering; Dr. L. E. Farmer, civil engineering; Dr. S. B. Hanna and Dr. J. O. Stoffer, chemistry; Dr. J. R. Betten, Dr. R. C. Harden, and C. A. Gross, electrical engineering; Dr. T. F.

Raske and J. B. Cusumano, engineering mechanics.

Prof. A. W. Culp and Dr. H. D. Keith, mechanical engineering; R. F. Bruzewski, mining engineering and Dr. Richard Warren, physics.

UMR Enrollment Hits New High This Semester

Enrollment at UMR reached 5,145 students when classes began Monday (Sept. 11).

Robert B. Lewis, UMR registrar, said this represents total enrollment at the close of regular registration Friday (Sept. 8). He said this total will increase all week as late registration continues until Sept. 15.

The present total includes 4,705 students enrolled on the Rolla campus and another 440 at the St. Louis Graduate Engineering Center. The total is an increase of 448 students over last year at this time when 4,397 were on the Rolla campus and 300 were at the St. Louis graduate center.

The official UMR enrollment at the close of late registration last fall was 4,847 students.

Professor S. H. Lloyd Honored by Dinner

Prof. Samuel H. Lloyd, who retired at the end of this academic year after 46 years on the faculty of UMR, was honored with a dinner at the Oak Meadow Country Club, May 20.

Lloyd, who received the title of professor emeritus of management at commencement exercises May 28 has been on the Rolla faculty since 1921. From 1946 to 1964 he was chairman of the department of humanities and social studies.

About 150 friends, UMR alumni and fellow faculty members attended. Speakers were Dr. Elmer Ellis, president emeritus of the University of Missouri, Dr. Curtis Wilson, dean emeritus of the Missouri School of Mines and Metallurgy, and Chancellor Merl Baker of UMR. Dr. Thomas R. Beveridge was master of ceremonies.

Lloyd was lauded for his influence in bringing humanities to the engineering student, for his dedication to teaching and to the individual student, particularly the undergraduate, and for his long lasting influence on thousands of students who took his classes.

Gifts were presented by Bill Castle, for the St. Pat's Board, Bernard Schweigert, for the student council, and Prof. Gale Bullman for alumni, faculty and friends. Gifts included two personally autographed lithographs by Thomas Hart Benton from the Student Council, a silver tray and six goblets from the St. Pat's Board, and a check for a trip to Peru from faculty, alumni and friends.

The dinner was a complete surprise to Lloyd, whose two children and families were on hand for the occasion. Their daughter, Jean, now Mrs. Robert Arras, her husband and son, Charles, came from Lima, Peru, and Robert Arras, Jr., from Yale University. The

Missouri Lauded For Its Expansion Into Engineering

Missouri ranks high in comparison with other states in the number of engineers educated, according to an article in the June, 1967, issue of the *Journal of Engineering Education*.

Missouri was 11th among the 50 states in the number of B.S. engineering degrees granted, but ranked sixth among the 34 most industrialized states when measured in relation to population. On another index which took into account manufacturing value in each state, Missouri ranked sixth. This index takes into account the value of products shipped, less the cost of materials, supplies, fuel, electricity and contract work, and indicates the degree of industrialization of a state.

The article, entitled "How do the States Compare in Engineering Education?", was written by Arthur B. Bronwell, dean of engineering at the University of Connecticut. The comparison was

(Continued on Page 4)

Lloyds' son, Sam, flew from Paris, where he had been doing consulting work, and was joined in Rolla by his wife. The younger Lloyds live near Los Angeles.

Other out-of-town friends present were Mrs. Lloyd's brother, Robert F. McCaw, Barrington, Ill.; Mr. and Mrs. J. H. Keller, Los Angeles; Dr. and Mrs. Carl Johnke, Boulder, Colo.; Mr. and Mrs. A. E. Barnard and Mr. and Mrs. E. Fuez Thatcher, all of St. Louis. Both of the Lloyd's children, McCaw, Keller, Johnke, Barnard and Thatcher are Rolla alumni.

Lloyd came to Rolla in 1919 as a graduate student, after receiving his A.B. from DePauw University. He received his M.S. with specialties in chemistry and metallurgy here in 1921, and joined the faculty as assistant professor of English. He later taught in the biology department, and in 1946, when the department of humanities and social studies was formed, he became chairman of the department.

Professor of economics for many years, Lloyd was recently designated professor of management.

Lloyd was faculty advisor for the Student Council for over 20 years, and was for many years advisor to the St. Pat's Board. He was chairman of the General Lectures Committee for a number of years.

Prof. Karl Moulder of the humanities department was chairman of the committee in charge of arrangements for the banquet. Others on the committee were Prof. W. J. Murphy, Prof. Ralph Schowalter, Prof. Gale Bullman, Prof. T. R. Beveridge, and Prof. Adolph Legsdin.

Miners Will Be Entertained By New Majorette This Year

About 4,500 men at UMR have been looking for a reason to put down their slide rules and ponder a more interesting figure. For five Saturdays this fall they've got one.

Pretty Mary Carleen Brunk-

horst of DeSoto is going to be the only girl majorette for the "Miner" football games. The second gal student twirler in UMR's history, Mary will lead the band in its musical half time performances, starting with the Hard-

ing College game Saturday (Sept. 16) at Rolla.

Being the only female in a crowd of men is no new experience for Mary. She was the only girl in her DeSoto High School physics class. At UMR, she goes to class (mainly mathematics) with about 150 other girls and 4,500 boys. She lives in the Thomas Jefferson Residence Hall which boasts a boy to girl ratio of about 40 to 1.

Performing all alone in front of all those men, is something else again. But Mary's not worried. When asked her reaction, she replies "Why not?" She thinks it's different and a challenge and what could be better incentive for a good performance than 4,500 adoring males?

Her goal after graduation from UMR (she's a freshman) is to apply her mathematics in an industrial job - most likely in the town of her husband-to-be choice. What about that hubby-to-be? Her eyes twinkle. About 4,500 possibilities.



Pretty Mary Carleen Brunkhorst will be the majorette for the Miner football games this year.

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NOTICE!

Applications for a Student Union Committee can be picked up at the Student Union. These committees are: Social, Recreational, Literary-Music, Special Events and Publicity. Join a committee and help run your Student Union.

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MOVIES IN CINEMASCOPE

Thurs. Thru Tues. Sept. 14-19

Sunday Feature: 1:30, 4:05, 6:45, 9:00

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'Luv'

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Sat., & Sun.

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Married Man'

Walter Matthau & Robert Morse

Tues., Thru Sat. Sept. 19-23

Saturday Continuous from 1 p.m.

Admission:

Adults 75c - Children 35c

'The Trip'

Peter Fonda & Susan Strasberg

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Fri., Sat. Sept. 15-16

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'Red Tomahawk'

Howard Keel & Joan Caulfield

Sun., Mon. Sept. 17-18

'Way Way Out'

Jerry Lewis & Connie Stevens

CLOSED
TUES., WED., THURS.,
SEPT. 19-21

From the Chancellor's Desk

Welcome! I am grateful for this opportunity to welcome you to the University of Missouri at Rolla. For those of you returning to our campus, I trust you will continue to find that which originally impressed you at this University. For those of you who are on this campus for the first time, a special welcome. You freshmen will be the first class to graduate after this University's Centennial observation in 1970. You have much to look forward to, both in college and out, but your senior year will be a special one as you initiate our second century.

At the risk of sounding a bit "stuffy," may I take a moment to tell you something of this University. In its 97 years of history, UMR has become established as an outstanding technological university with a reputation of quality known throughout the world. This reputation will serve you well upon graduation, when you will receive many offers of impressive positions in various fields of engineering and science. For those of you majoring in humanities, social sciences or engineering management this reputation will make your environment especially challenging. It will be your special charge to develop the proper interaction among the scientist, engineer and humanist which offers a solution to many of today's problems.

However, this enviable reputation - which the alumni, faculty and students are most anxious to retain - is not without its cost. Its retention demands high standards and these standards will require much of you, but certainly not more than you are capable of. Over 90 percent of our new students ranked in the top half of their high school graduating classes and returning students have already proven they are capable of meeting the performance standards here. Therefore, each of you are capable of completing a degree.

So why, you may ask, will some with this proven ability fail to complete college work? The answer is difficult and different for each individual. However, we know from past records that far too many students become too easily discouraged and this is seldom caused by a student's lack of ability, nor is it the fault of his professors.

You students are selected on the basis of your proven ability to meet the minimum performance level which is necessary for high quality at this University. Our professors are also selected on the basis of their proven ability - that is, their knowledge of the subject which they teach and their general aptitude for working

with young people. This faculty is well-qualified, but each instructor employs his own techniques for teaching and motivating students. You will undoubtedly like the techniques of some better than others. But if you will do your best to "tune in" to those who do not appeal to you at first, you will surely find them equally qualified. It is your responsibility to adjust your receiver to the wave length of each professor - whatever it may be - and your loss if you are unable to do so.

Do not neglect your studies. This University is no different than other universities of excellence, it places a high premium of the individual student's self-discipline. Don't drop courses if the going seems rough. Talk with the professor and your adviser and you will find that they DO have a personal interest in your success. Your adviser can best judge when you should drop a course to enable you to concentrate on others. Above all, don't panic and drop too soon as far too many students do.

You should also take advantage of the many activities this University offers outside the classroom. A specialized engineering and science university such as this provides many leadership opportunities and this experience is a valuable supplement to formal classwork. Participate in inter-collegiate and intramural sports - attend the game against Harding this Saturday - go to that dance. Read THE MINER and join in those coffee conversations. These activities are for your benefit and provide an important part of your college "education."

You should also develop, early in your college life, an attitude of dignity and cooperation which characterizes the engineering and science profession. This attitude will be most helpful to you in your current academic pursuit and in developing leadership capabilities. Don't be afraid of the "coat and tie" on frequent occasions - this will be your uniform following graduation. Don't scoff at polish, as most engineering students did when I attended college. That extra polish will become a more and more important ingredient as you progress in your chosen profession after leaving this campus.

I will close by giving the welcome mat another shake. I, the staff and faculty at this University look forward to serving you in the coming year and wish you the very best in your endeavor.

MERL BAKER
Chancellor



Student Forum

BY BOB MILDENSTEIN

"Every man feels instinctively that all the beautiful sentiments in the world weigh less than a single . . . action."

- James Russell Lowell

This year at UMR varied changes have been made in campus life. The school calendar has been revised to eliminate any and all free days, and special emphasis is to be placed on tests the week before finals. The Rugby Club has been disbanded from lack of funds. The same fate has faced the Pershing Rifles and the Debate Club. Oh yes, no more cheerleaders this year either.

Of special note is the new series of general "lectures" to be presented this year. Already scheduled are: "The spacial orientation of the alcohol molecule while sipping 'tea.'" (Presented by the Chemistry Department); and a special musical interlude called "The lute, the flute, and the toot."

The much acclaimed Student Park has been abandoned in favor of a rest home for graduate students.

One of the most significant changes in campus distinction has been in the selection of Who's Who. It has been revealed that a list will be hidden somewhere in the women's dorm and the 40 people to sign it will be named to Who's Who in American Colleges and Universities. Sorry girls are ineligible.

The outhouse burning this year will consist of tossing a match in the third floor head of Harris Hall and breaking a specially designed plexiglass mirror to be installed there.

Chancellor Baker has just recently released ultimatums concerning the 6 hour drop rule and the continuous negative hour rule, as well as

Does this all sound fantastic, impossible, unreal??? Yet, these are but a few of the topics which were brought before your Student Council last year!!!! How many realize the importance of the Student Council in representing the students to the administration and the public???

An attitude of indifference concerning campus affairs is often felt by the college student. Such an attitude could lead to events such as those laughingly described above.

It is the wish of the UMR Student Council that the student body take an active part in its decisions by discussing problems and solutions with its representatives. Perhaps many of these "beautiful sentiments" might be transformed into "action."

It is with this purpose that this column has been established. It will serve as a unifying link between the Student Council and the student. Each week it will present the actions and proposals of the Student Council as well as the varied expressions of the students.

The success or failure of this column in monitoring the intentions of the students and converting them into action depends on the students themselves.

Address any questions, suggestions, complaints, etc. to: Student Forum, c/o Missouri Miner, U. of Mo. at Rolla, Rolla, Mo.

Snack Bar Services Curtailed

This year, there has been a change in the operating hours of the snack bar in the Student Union. Formerly, the snack bar remained open until 9:30 p.m. For the present, the snack bar will open at 7:00 a.m. and close at 7:00 p.m. during the week. It will be open from 8:00 a.m. to 6:00 p.m. on Saturdays.

The Student Union snack bar

tries to operate at less than a 2% loss during the year. During 1966-67, the payroll expenses increased 4%, the miscellaneous expenses increased 1%, the food costs rose 1%, and the volume (in dollars) remained the same. As a result, the snack bar had a 6.9% deficit, compared with a 1.3% loss during 1965-66.

As the food prices had been

raised earlier, it was decided that the snack bar would be closed during the time it was seldom used. During the hours it is closed, the snack bar area will be used for studying and as an assembly hall.

The cigarette and candy counter will continue to close at 10:00 p.m. If it is feasible, the hours of the snack bar will be extended after December of this year.

NOTICE!

Motor vehicle registration decals may be obtained at the Traffic Safety Office, Bldg. T-12, from Wednesday, Sept. 27, 1967 thru Tuesday, Oct. 3, 1967. Please be prepared to show proof of financial responsibility for your liability to others in case of accident.

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St. Louis Alumni Drive Raises Centennial Funds

Approximately 300 volunteer workers gathered in St. Louis Tuesday (Sept. 12) for the kick-off meeting of the UMR St. Louis Alumni Campaign. They met at 7:30 p.m. in the Engineer's Club.

Principal speaker was Dr. Merl Baker, chancellor of the University. He discussed the importance private support plays in a university's "margin of excellence" and the necessity for increased giving if UMR is to expand its national reputation as the largest producer of undergraduate engineers west of the Mississippi River.

Following Tuesday's session, these volunteers will individually call on about 1,800 UMR alumni in St. Louis to explain the University's \$69 million Centennial Development Program. Their goal is to raise a minimum of \$300,000 in the next 30 days. This will go toward construction of a \$4 million student University Center in Rolla.

This is the first formal alumni section campaign to be conducted within the University's centennial program, with others to follow in other areas. The total program is the first major fund raising campaign in UMR's history.

tory — designed to raise over \$69 million in federal, state and private funds.

James J. Murphy, president of the Murphy Co. in St. Louis, will also speak at the meeting.

Joseph W. Mooney with the New York Life Insurance Co. in St. Louis will serve as chairman of this alumni campaign. His co-chairman include Richard H. Bauer of the G. S. Robins Chemical Co. and Gary G. Schumacher and Kenneth E. Pohlig, both with the Nooter Corp.



Student Union Sunday movie, "In New Orleans," the Kid (McQueen), an expert gambler is determined to take the crown from the dapper little king of stud poker (Robinson).

In the few days waiting time before the actual game, the Kid, nervous and restless, whiles away the time by being pursued by the two women (Ann Margret and Tuesday Weld).

The movie will be shown Sunday, Sept. 17, at 2:00, 4:30 and 7:00 p.m. in the Student Union Ballroom.

Missouri Ranks Eleventh In Engineering Grads

(Continued From Page 2)

based on figures compiled by the U.S. Office of Education for 1964-65.

In the years for which the survey was made, 1086 engineers were graduated with B.S. degrees from Missouri's four accredited engineering schools. This includes 533 at UMR, 248 at MU, Columbia; 184 at St. Louis University, and 121 at Washington University, St. Louis.

The same survey reported that Missouri ranked 11th in the number of M.S. degrees per million of population in the 34 most industrialized states. A total of 396 master's degrees in engineering were granted in Missouri for the years surveyed. Of these, 134 were at UMR, 96 at MU Columbia, 56 at Washington University, and 20 at St. Louis University.

In the article Missouri was singled out, along with Colorado and Oklahoma, as lesser industrialized states which have "made concerted efforts to expand engineering education during the past few decades."

Two senior co-captains, Glenn Adrain and Tom O'Connell, tackled from St. Louis.

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ANSWERS: 1. If you see a cockfight, you're aggressive. A moth: you're regressive. A moth-eaten cockfight: Boy, are you schizoid! 2. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 3. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 4. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 5. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 6. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 7. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 8. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 9. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 10. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 11. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 12. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 13. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 14. The giraffes: you strive against adversaries. Scooters colliding: you schizoid! 15. The giraffes: you strive against adversaries. Scooters colliding: you schizoid!

MINER SPORTS

FRIDAY, SEPTEMBER 15, 1967

THE MISSOURI MINER

PAGE 5

Football Miners to Start Nine Game Schedule Tomorrow

After three hard weeks of training the Miner squad is set to meet Harding's Bisons in the gridiron premiere tomorrow. Head Football Coach Dewey Allgood is sizing up their nine game schedule as he looks over last season's record of 3-7.

A quick look at the 26 returning lettermen will show six seniors, fourteen juniors, and seven sophomores which will provide a strong nucleus for the new men entering the squad. Even though there are 26 returning lettermen, a total of 14 were lost since last season.

Two seniors have teamed up as co-captains of the 1966 squad. Glenn Adrain, a 6 foot end from Jefferson City, will split the honor with Tom Owens, a 225-pound tackle from St. Louis.

Starting in the quarter-back position this year will be Ron Miller a 6 foot 1 inch, 165-pound sophomore from Kansas City, Mo. Ron should turn out a fine passing performance this season if the indications from the September 9 scrimmage are present this year.

A new face will be seen on the gridiron backfield this season. Dave Harris, a freshman, from Independence, Mo., will be the tailback in the offensive's Wing-T formation this season. Among

Dave's specialties include his kicking ability. He will be the Miner punter this season and will also kick most of the extra points. In the scrimmage last Saturday he was three for three in bonus points.

Other men who will be starting in the backfield this season will include Bob Nicodemus, a well experienced 190-pound junior fullback and Richard Erxleben a 175-pound junior.

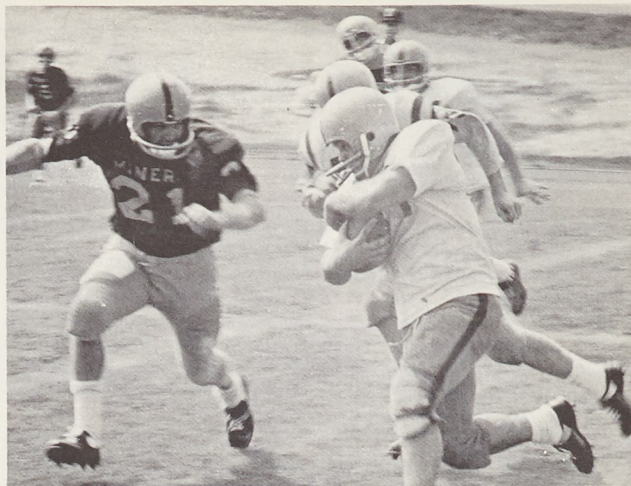
On the line will be stationed tackle Allen Zaborac, a 235-pound sophomore from Cuba, Ill. and next to him is Tom Owens a guard weighing in at 225 pounds. Mike Fridley, a 205-pound senior, will return to his second year of starting center.

Three of the outstanding freshmen who have shown good defensive work on the field and will probably be starters against Harding include Ed Heinle, a 195-pound safety, Darrell McAllister, a 204-pound tackle, and Eddie Sweet, a 190-pound safety. Heinle is from Florissant, McAllister is from Lebanon, and Sweet comes to UMR from Crystal City.

Aiding mentor Allgood will be Offensive Line Coach Burr Van Nostrand, Defensive Line Coach Charley Finley, and Defensive

Backfield Coach Bud Mercer. Charley Riggs holds the title of assistant line coach.

Final touches are being worked out after two pre-season glimpses of the squad at Fort Leonard Wood and a scrimmage at the varsity field.



A scrimmage held on September 9 at the varsity field showed fans a good idea of UMR's football team.

Full-Scale Scrimmage Shows Gridiron Squad to Fans

Football fans at UMR got a good pre-season look at the Miner's squad last Saturday at 12:30. A scrimmage was held on the varsity gridiron where the offensive units scored a total of 21 points.

In the first half of the game it was the first team offensive against the second team defensive. At the half-time the offensive had racked up 14 points. A touchdown was scored in each of these quarters. Ron Miller scored on a quarterback sneak after a substantial drive from downfield.

Dave Harris, a freshman, successfully kicked the extra point. In the second quarter Dave Harris again got into action as he picked off a 25 yard pass from Ron Miller for the second T.D. and then proceeded to kick the extra point.

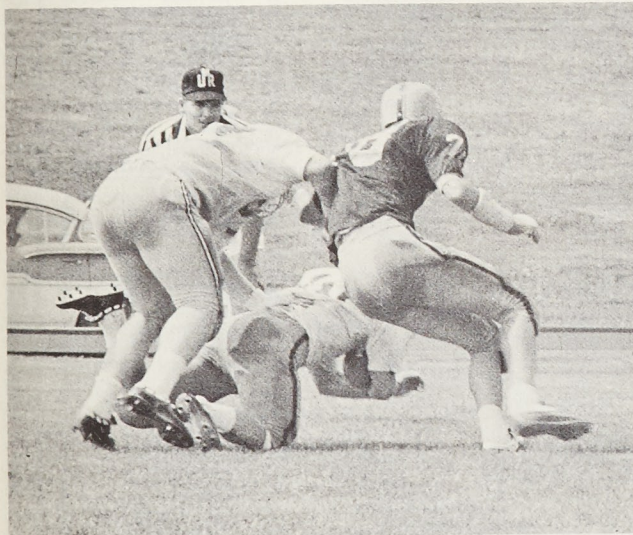
In the second half it was a mixture of the second offensive against the second defensive and the first offensive against the first defensive squads. A third quarter set-up pass from Ray Colombo to Denny Heisler let Kenny Price score a T.D. on a power play. Once again Harris made good the bonus point.

According to Coach Dewey Allgood, Mike Holtkamp, Glen Adrain, Ed Henstein, Ed Sweet, Fred White, Ed Lane, Joel Stroud, and Lorenzo Hill looked very good on the defensive squad. Statistically speaking quarterbacks Ron Miller, John Grawe and Ray Colombo tossed a total of 50 passes of which 24 were successfully completed.

On the receiving end of most of the 24 passes were Denny Heisler, David Pfefferkorn, and Larry Oliver. Larry Oliver holds the

school record for total yardage on pass receiving for one game. This occurred last year against Bradley when he caught 10 passes for 173 yards.

The only other pre-season action occurred September 4, when the first string defeated the second 34-0 at Fort Leonard Wood.



A full scrimmage brought real action to the varsity football squad.

Miners Pigskin Crew Meets Harding Tomorrow

UMR's pigskin squad will open its 1967 Football season in Rolla tomorrow against Harding's Bisons from Searcy, Arkansas. Since this is the first showing of both teams for the season not much scouting information is available on Harding except for last years films when the Miners were defeated.

According to Coach Dewey Allgood the Miner squad will be using a Wing-T offense which will be supported by an enthusiastic defense. Bison coach John Prock will also be directing a Wing-T ball club.

The Miners second game will

include the Kansas State team from Pittsburg which will also play in Rolla.

PROBABLE STARTERS

Miners vs. Harding College

David Pfefferkorn	LE
Allen Zaborac	LT
Don Steenrod	LG
Mike Fridley	C
Larry Dooms	RG
Tom Owens	RT
Larry Oliver	RE
Ron Miller	QB
Richard Erxleben	LHB
Dave Harris	RHB
Bob Nicodemus	FB

1966-67 Intramural Standings

Place	Organization	Pts.			
1	Sigma Nu	1743.00	16	Thomas Jefferson	1026.50
2	Fifty-Niners	1695.00	17	Prospectors Club	1003.75
3	Lambda Chi Alpha	1656.00	18	Sigma Pi	994.75
4	Tech Club	1536.75	19	Tau Kappa Epsilon	938.00
5	Phi Kappa Theta	1536.00	20	Triangle	872.00
6	Sigma Phi Epsilon	1492.00	21	Delta Tau Delta	859.50
7	MRHA	1453.75	22	Campus Club	826.25
8	Kappa Alpha	1373.50	23	Theta Xi	762.25
9	Kappa Sigma	1371.50	24	Alpha Epsilon Pi	701.50
10	Beta Sigma Phi	1296.00	25	Baptist Stu. Union	683.50
11	Engineers Club	1256.75	26	Alpha Phi Alpha	575.50
12	Pi Kappa Alpha	1254.75	27	Theta Chi	343.00
13	Sigma Tau Gamma	1103.00	28	Phi Beta Iota	307.25
14	Delta Sigma Phi	1066.50	29	Wesley	301.75
15	Shamrock Club	1027.50	30	Acacia	227.75

WANTED CIVIL ENGINEERS

LaSalle County Highway Department
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Representative on Campus

September 25, 1967

FOR INFORMATION

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UNIVERSITY PLACEMENT OFFICE

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Bullman's Cross Country Team Meets Lincoln This Monday

After two weeks of training the UMR cross country squad is ready to meet Lincoln University this Monday at home.

Returning this year as the team's nucleus are three lettermen, two juniors and one sophomore. Stan Notestine, who holds the school record for the four mile course, is on top of the list for excellent runners this season.

Closely following are Don Duran and Keith Brown, a sopho-

more. All of these men are regulars in spring track.

Coach Bullman was sporting a nine man squad of four juniors, one sophomore and four freshmen in the week before school started, but as the students return for classes a couple of men were picked up.

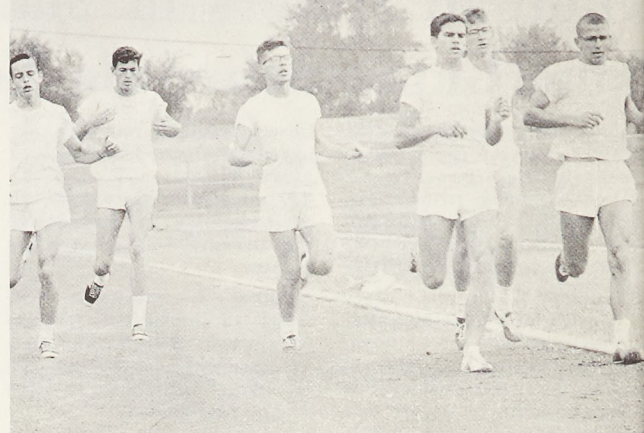
In the Freshmen division, Coach Bullman has his eyes set on three men who should shape up as the season moves along. They are Charles Greenwood,

Glenn Jensen, and Jim Hellwege.

A new look has taken shape on the UMR campus as last year's four mile cloverleaf designed course has been rearranged so as not to interfere as much with the golf course. The course however will still be four miles long.

According to Coach Bullman, who replaced Ted Moore from last year, the squad will be plagued with inexperience this season. He is depending on the returning lettermen but the other four positions for the squad are open.

As far as a prediction for the season Coach Bullman is unsure. "Last year's winning record of four wins and three losses is going to be hard to beat," reported Coach Bullman.



Cross Country Athletes run several miles a day to get in shape for the season's first match.

Sigma Nu Places First In 1967 Intramurals

Fraternities grabbed two out of the three top positions in intramural competition last year with Sigma Nu totaling 1742 points for the top spot. Fifty-Niners captured 1695 points for second while Lambda Chi Alpha, last year's winner, took 1656 points for third.

Three intramural sports were completed in the last days of the spring semester. They included softball, horseshoes, and track.

Wristen, Miller, Wehner, and Toth, all placing within the top four spots in their events, helped push Lambda Chi Alpha into the top spot on the track field last spring. They won by one point as Sigma Phi Epsilon and Alpha Phi Alpha fell second 22-21. Fifty-Niners were fourth with 19 points while Delta Tau Delta and Delta Sigma Phi tied for fifth with 12 points each.

Four new records were set on the track field last season. Mike Beisher of Beta Sigma Psi threw the Shot Put a distance of 46 feet 4 3/4 inches, while Jim Dexter of Sigma Phi Epsilon paced the mile in 4:49.9. Four members of Delta Sigma Phi ran the 440 relay in 45.5 to set a new

intramural record. The team consisted of Neederschmidt, Nicodemus, Taylor and Termini.

In the softball play-offs Tech Club defeated Sigma Nu 1-0 in the bottom of the fifth inning to capture the title and 300 intramural points.

Tech Club also came out on top in the horseshoe finals and snatched up 90 intramural points while Lambda Chi Alpha placed second to take 87 points. Chapman of the Fifty-Niners was the Horseshoes singles champion while Shepard of Phi Kappa Theta was runner-up. In the doubles division Schaefer-Phillips of Tech Club placed first while Wilhelm-Weber of Sigma Nu came in second.

UMR's intramural program is due to open on September 19, when Flag Football, Table Tennis, and Tennis Singles matches will be seen on the campus. Entries must be in to the intramural office no later than September 14 to qualify your team.

This intramural program has seen wide participation on the UMR campus because it takes a vital role in the Physical Education program.

The Harmon Football Forecast

Saturday, Sept. 16 — Major Colleges

Arizona State	17	San Jose State	7
Baylor	21	Colorado	20
Boston U.	19	Bucknell	13
California	15	Oregon	14
Davidson	20	V.M.I.	18
Dayton	21	Eastern Kentucky	19
**Houston	17	Florida State	9
Idaho	24	Pacific	6
Kent State	19	Buffalo	17
Louisville	19	Drake	10
Miami, Ohio	26	Western Michigan	8
Morehead	13	Marshall	10
Nebraska	16	Washington	13
New Mexico	20	Idaho State	14
New Mexico State	14	Lamar Tech	8
No. Carolina St.	21	North Carolina	7
Ohio U.	17	Toledo	12
Oklahoma State	17	Air Force	14
Quantico Marines	15	Xavier	12
South Carolina	14	Iowa State	13
**Southern Cal.	21	Washington State	15
S.M.U.	21	Texas A & M	15
Southern Mississippi	28	The Citadel	0
Stanford	20	Oregon State	19
Texas (El Paso)	35	Santa Barbara	0
U.C.L.A.	17	Tennessee	15
Utah State	13	Wichita	13
Villanova	26	West Chester	14
V.P.I.	27	Tampa	0
Wake Forest	22	Duke	21
West Texas	24	Montana State	20
West Virginia	28	Richmond	16
William & Mary	23	East Carolina	10
Wyoming	34	Arizona	7

Other Games — East

Cheyney	13	Edinboro	7
Clarion	35	Millersville	6
East Stroudsburg	20	Montclair	13
Gettysburg	20	Yofstra	6
Indiana State	30	Delaware State	13
Mansfield	13	Geneva	0
Maryland State	18	Lock Haven	0
Shippensburg	15	Bloomsburg	12
Waynesburg	34	Slippery Rock	6

Other Games — Midwest

Albion	12	Carthage	8
Arkansas A & M	20	NW Missouri	18
Arkansas Tech	21	NE Oklahoma	13
Ashland	21	Wooster	12
Augsburg	19	Eau Claire	15
Augustana, Ill.	19	Hope	7
Augustana, S.D.	19	Gustavus	13
Baker	37	Bethel, Kansas	0
Ball State	28	Central Missouri	13
Bemidji	35	Morris (U of Minn)	6
Bethany, Kansas	14	Sterling	0
Carroll	20	Milton	14
Central College, Iowa	21	North Central	6
Central Michigan	23	Bradley	14
Central Oklahoma	25	Pittsburg	7
Dakota Wesleyan	14	Huron	7
Dana	13	Tarkio	0
Defiance	38	Kenyon	6
DePauw	20	Wheaton	19
Doane	13	Colorado College	12
Duluth (U of Minn)	21	South Dakota St.	13
Emporia College	30	McPherson	7
Findlay	20	Eastern Michigan	12
Hamline	47	Northland	0
Harding	14	Rolla (U of Mo.)	6
Hastings	13	Concordia, Neb.	6
Heidelberg	21	Bluffton	7
Illinois State	17	Milwaukee (U of W)	7
Illinois Wesleyan	36	Elmhurst	7
Indiana State	17	Eastern Illinois	0
Kearney	16	Washington	0
Lincoln	20	Morningside	10
Luther	12	Mankato	7
Michigan Tech.	18	Alma	7
Millikin	20	Culver-Stockton	0
Missouri Valley	20	William Penn.	0
Nebraska Wesleyan	20	Midland	6
New Mexico H'lands	21	Hiram Scott	0
North Dakota St.	40	Omaha	7
North Dakota U.	34	Montana	0
North Park	20	Lake Forest	8
Northern Illinois	20	Butler	7
Northern Iowa	36	Western Illinois	7
Northern Michigan	17	Akron	8
Northern State	14	Black Hills	6
Northwood	30	Eureka	0
Ohio Northern	28	Ferris	12
Olivet	14	Franklin	6

Midwest (Continued)

Oshkosh	19	LaCrosse	14
Ottawa	13	Friends	0
Otterbein	24	Indiana Central	7
Peru	16	St. Mary	12
River Falls	26	Platteville	13
S. F. Austin	24	E. Central Okla.	20
St. John's	26	St. Cloud	7
St. Norbert	20	St. Thomas	7
St. Procopius	13	Lakeland	12
Simpson	27	Graceland	0
Sioux Falls	15	Bethel, Minn.	0
South Dakota Tech.	7	General Beadle	6
South Dakota U.	30	Wayne, Neb.	6
SE Missouri	29	Evansville	20
Southern Colorado	14	Panhandle A & M	13
Southern Illinois	35	NE Missouri	12
Southern State, S.D.	22	Chadron	6
SW Missouri	22	Emporia State	15
SW Oklahoma	19	Hays	15
Southwestern, Kan.	23	Kansas Wesleyan	6
Stout	16	Superior	7
Taylor	15	Wilmington	6
Valparaiso	15	Wabash	14
Washington, Mo.	27	Mississippi College	0
Westmar	19	Buena Vista	13
Western Kentucky	25	St. Joseph	7
Whitewater	19	Stevens Point	7
William Jewell	32	Warburg	0
Winona	14	Dubuque	13
Yankton	32	Midwestern	0

Other Games — South and Southwest

Alabama A & M	20	Tuskegee	17
Appalachian	20	Newberry	18
Arlington	26	Los Angeles	14
Arkansas AM & N	13	Mississippi Valley	0
Bishop	7	Wiley	7
Catawba	32	Mars Hill	7
Chattanooga	20	Austin Peay	15
Concord	13	Bluefield	8
East Texas	14	Abilene Christian	7
Elizabeth City	34	Frostburg	7
Emory & Henry	13	Marietta	7
Fairmont	33	West Va. Tech	7
Florida A & M	20	Allen	7
Furman	20	Mississippi College	7
**Georgetown	13	Salem	6
Grambling	17	Alcorn A & M	10
Guilford	21	Washington & Lee	6
Hampden-Sydney	19	Maryville	13
Howard Payne	20	Tarleton	17
Jackson State	20	Prairie View	19
Jacksonville	17	Florence	7
Kentucky State	32	Lane	7
Livingstone	27	Savannah	12
Martin (U. of Tenn.)	19	Murray	0
McMurry	20	Angelo	6
McNeese	21	Texas A & I	19
Middle Tennessee	24	Pensacola Navy	7
NE Louisiana	43	Henderson	0
NW Louisiana	34	Hanover	0
Ouachita	14	SE Oklahoma	13
Parsons	21	East Tennessee	19
Presbyterian	23	Frederick	6
Sam Houston	21	NW Oklahoma	7
Samford	14	Troy	6
Southern State, Ark.	21	Livingston	13
Southern U.	25	Texas Southern	8
SW Louisiana	38	Louisiana College	0
SW Texas	25	Texas Lutheran	0
Sul Ross	22	Eastern New Mexico	10
Tennessee Tech.	21	Youngstown	20
West Liberty	17	Glenville	0
Western Carolina	19	Carson-Newman	14
Wofford	20	Lenoir-Rhyne	15

Other Games — Far West

Adams State	28	Western New Mexico	0
Cal Lutheran	18	Pacific Lutheran	13
Cal Poly (S.L.O.)	14	San Francisco St.	7
Central Washington	18	Western Washington	14
Chico	19	San Francisco U.	18
Colorado Mines	25	Eastern Montana	0
Colorado State	25	Fort Lewis	7
Colorado Western	26	Southern Utah	0
Eastern Washington	25	Humboldt	6
Fresno State	17	Santa Clara	13
Long Beach	30	Cal Poly (Pomona)	0
Northern Montana	34	Rocky Mountain	0
Portland	13	Southern Oregon	0
Puget Sound	27	Whitworth	6
Redlands	22	Hayward	6
**San Diego	21	Tennessee State	14
San Fernando	20	Whittier	15
Weber	21	Northern Arizona	15

(**Friday Games)

Sports Calendar

VARSITY FOOTBALL

Sept. 16	Harding College, at Rolla
Sept. 23	Kansas State, at Rolla

VARSITY CROSS COUNTRY

Sept. 18	Lincoln University, at Rolla
Sept. 23	SWMS, at Springfield

INTRAMURAL SPORTS

Sept. 19	Flag Football, Tennis Singles and Table Tennis Begin.
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