



17 Nov 1967

The Missouri Miner, November 17, 1967

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NOVEMBER 10, 1967

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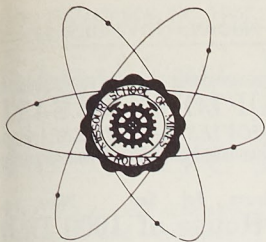
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The Missouri MINER

UNIVERSITY OF MISSOURI AT ROLLA



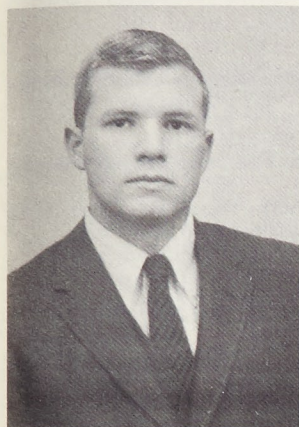
VOLUME 54

FRIDAY, NOVEMBER 17, 1967, ROLLA, MISSOURI

NUMBER 10

November Man of Month Selected by Blue Key

Blue Key's selection for the November Man of the Month is Frank Gerig. Frank, a native of Rolla, is majoring in Civil Engineering and will graduate in January of 1968.



Frank Gerig

Frank has compiled an outstanding record while being at UMR, and his organizations have all prospered by his enthusiasm and leadership. His activities included commander and Lt. commander of Sigma Nu, president and marshall of Chi Epsilon, and president and historian of the Karate Club.

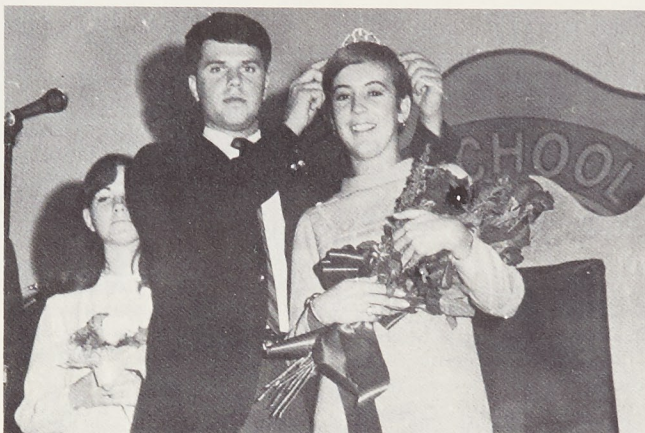
In addition, he is a member of Blue Key, Tau Beta Pi, Phi Kappa Phi, Alpha Phi Omega, and the ASCE. Frank is presently the ROTC Brigade Commander and has been honored by being designated as a Distinguished Military Student, as well as having been placed on the Dean's First Honor List.

Recently, Frank was elected to Who's Who Among Students in American Universities and Colleges.

Miss Martha McNeill Chosen As the IK Duchess for 1967

Miss Martha Honey McNeill was crowned Osage chapter duchess by president Bob Mildenstein at

the first annual Intercollegiate Knights Coronation Ball last Friday night. Miss Derronda Finch



Miss Martha Honey McNeill is crowned Duchess of Osage Chapter of the Intercollegiate Knights by I.K. President Bob Mildenstein.

Pretty, petite Miss McNeill, a freshman from Little Rock, Arkansas, was selected from 5 semi-finalists by a committee of three IK members and their dates and the chaperones for the dance. Martha is majoring in math and is planning on graduate study in Germany after leaving UMR.

Miss Finch is a freshman in geology. Currently a member of all five Student Union committees, Ronnie is also very active in various other campus organizations. Miss McNally, from Washington, Mo., is majoring in chemical engineering. Phyllis is also active on campus and enjoys folk music, acting, and playing the bongos.

The dance, which featured Gayle McCormick and the Klassmen, was well attended. Miss McCormick added her own special brand of soul music and filled the Student Union Ballroom with a pulsing, gyrating beat.

and Miss Phyllis McNally were named first and second runners-up, respectively.

Student Union Board Features Famed Science Fiction Writer

The Student Union Board will feature Arthur C. Clarke at a lecture in the Student Union Ballroom on Nov. 18 at 8:00 p.m. Mr. Clarke has gained fame as a scientist, science fiction writer, and platform speaker. He is credited as the inventor of the communications satellite and is the co-author of the book and film, "2001: A Space Odyssey," and this last subject will be the topic of his lecture.

Arthur Clarke was born in England in 1917. He is a graduate of King's College, London, with First Class Honors in Physics and Mathematics and is part Chairman of the British Interplanetary Society. He is also a member of the Academy of Astronautics, the Royal Astronomical Society, and many other scientific organizations.

A man of truly diversified talents, Mr. Clarke has made some very remarkable achievements. An authority on space travel, he is the winner of the Franklin Institute's Gold Medal (1963) for having originated the communications satellite, such as Telstar, in a technical paper published in 1945.

In 1962, he was awarded the UNESCO Kalinga Prize for science writing. In 1965, he won two Aviation Space Writers Association awards for his Life article on the history and future of communications satellites.

Besides being a noted scientific writer, Mr. Clarke is famous for his science fiction writing. He is the author of almost 40 books, printed in some 30 languages. His articles have been printed widely by such periodicals as Reader's Digest, Holiday, Playboy, and The New York Times Magazine.



Arthur C. Clarke

The mysteries of the sea, however, fascinate Clarke as much as those of outer space, and this intense interest and hobby led to a number of works on the subject of "inner" space. Since the early 1950's he has been exploring the depths of Australia and Ceylon. He has made a detailed and documented expedition and exploration of the Great Barrier Reef of Australia and a successful expedition to find a sunken ship

in the Great Bases Reef of Ceylon.

In the face of all these attainments, Arthur C. Clarke is not one to lose his sense of humor and balance. When other men may be morally instructive about scientific matters, he is likely to come up with some witty truth such as "Clarke's Law":

"When a distinguished but elderly scientist states that something is possible, he is almost certainly right. When he states that something is impossible, he is very probably wrong."

1500 STUDENTS EXPECTED

University Day Approaches

The UMR campus will play host to approximately 1,500 high school and college students, parents, teachers, and guidance counselors this Saturday, Nov. 18, as University Day takes the scene for the day. Activities will begin with registration at the Student Union from 8:00 to 3:00.

During the course of the day, students will be offered the chance to acquaint themselves with campus life, various departments, laboratory facilities, organizations, faculty, and the athletic program.

To better familiarize the various departments to the students, departmental tours will originate at regular intervals from the Student Union. Service organizations,



Gayle McCormack and the Klassmen perform in the Student Union ballroom for the first annual I.K. Coronation Ball.

such as Intercollegiate Knights and Alpha Phi Omega, will conduct these tours.

In addition to the many scheduled tours, most professional organizations and clubs will display exhibits, science projects, and movies which will show every phase of UMR life. All displays will also be judged by a committee. As the noon hour rolls around, food will be served in the Student Union Cafeteria and Thomas Jefferson Residence Hall.

The yearly attraction will be the rock drilling contest which will be on the north side of the old Mining Building. Any interested person may try his luck and see how far he can drill

through the rock in an allotted time.

Personal counseling and informative talks will be held in the Student Union Ballroom. Upstairs a variety of organizations will be represented. Fraternities, eating clubs, dorms, extracurricular clubs and organization will be on hand to answer questions which arise and present themselves to the students.

On the basis of past University Days this should be a rewarding and informative day for any student or person who is interested in science or related fields. A cordial invitation is extended to all to view the UMR campus, its faculty and students, and its century old heritage of education.

Series of Articles Planned On City Structure of Rolla

(This is the first in a series of articles about the city of Rolla — its officials, its merchants, its people and their outlooks, and its relationship with the University and students.)

Rolla's head official is its mayor, who holds office for four years. There are twelve councilmen, two from each of six wards, who help the mayor in making the many decisions about taking care of and

improving Rolla. Six councilmen, one from each ward, are elected each year and serve a two year term. The city has one clerk who handles administrative affairs.

The Police Department has a police chief, a fifteen man regular force, and a fifteen man auxiliary force, which is a part time volunteer effort. It is run on a merit system. The Police Department, although jided by many of

the UMR students, is here only to protect the city and its inhabitants, which includes the students.

They are there to warn the students and try to keep them from getting out of hand, and only as a last resort will they take a student's I.D. card and turn it in to the school authorities. Along with the Police Department is one of the best equipped Fire Departments for its size in the state of Missouri. This year, along with its regulars, the Fire Department has four UMR students on night duty.

The city also has an Engineering Department which takes complete care of construction and maintenance of the streets of Rolla. This department is headed by a civil engineering graduate of UMR. The Engineering Department owns and operates its own asphalt paving plant, which helps the city save quite a bit of money each year. The Sanitation Department, located near the Engineering Department in the northeast part of the city, also does a very capable job in its handling of the city's refuse.

The Park Board, Library Board, and Zoning and Planning Commission are a few more organizations which help the city run more efficiently.

Professor Seeks Better Program In Athletics

Another recent addition to the UMR faculty is Joseph Stampfer, Chemistry Professor and Assistant Professor in Cloud Physics. Doctor Stampfer is a native of Dubuque, Iowa, who received his A.B. from Dartmouth College and his Ph.D. from the University of New Mexico with a thesis on Magnesium Hydrogen Systems. He was formerly employed by the Los Alamos Observatory in Los Alamos, New Mexico.

Dr. Stampfer teaches 127 chemistry students and feels that he is "having fun but it also involves a lot of work." Since this is the first time he has taught, he has little to base his ideas on. His students, he says "are average, not poor but not exceptionally good."

He would like to see a better athletic program, as it is not stressed strongly enough. But since his hobby is flying, he feels that "a flying club should be started." He thinks more cultural forms of entertainment should be added, such as lectures on humanities, concerts and musical entertainment. Along with this, he believes "liberal arts should be expanded in the school with emphasis on engineering."

UMR ROTC Concert Band To Have Busy Season

The UMR ROTC concert band, wind orchestra, glee club and the Ft. Wood oratorio society have a melodious season planned for Rolla, Ft. Wood and St. Louis.

Three concerts will be performed by the concert band and wind

orchestra in Rolla. The band will give six concerts in St. Louis. The glee club will join the Ft. Wood oratorio society for four concerts in Rolla and Ft. Wood. The glee club will also perform on campus and on tour of Missouri high schools.

The ROTC band will perform on January 11 with guest soloist, Harry Houdeshel. He is professor of music at Indiana University and has been flute soloist with the U.S. Navy Band for 19 years.

The group will play "Concerto in C for Piccolo and Band" by Vivaldi, "Air de Ballet for Flute and Band" by Saint Saens and "Speak Low." On April 16 in Rolla, the band will join the University of Missouri at St. Louis choir for a performance of "Song of Democracy" by Hansen. On April 17 and 18, the band will present six concerts in St. Louis.

November 12, the glee club and the society will perform at Ft. Wood. Their selections will include "Psalm 100" by Schutz, "Coronation Anthem" by Handel and "Look to this Day" by Satern. On December 9 and 10, the groups will perform "Hodie," an oratorio by Vaughn and William, at Rolla and Ft. Wood.

They will sing Mozart's "Vespers" and "Mass of the Holy Spirit" by Thompson on February 18 and 20 at Ft. Wood and Rolla. The band will join the singers on February 20 for a combined concert. On April 7 at Ft. Wood the groups will sing "Requiem in D Minor," by Mozart and William's "An Apostrophe to the Heavenly Hosts."



HUSH, HUSH SWEET CHARLOTTE

The Sunday Movie presents two academy award winning actresses, Bette Davis and Olivia DeHavilland, with Joseph Cotten in a real chiller, Bette plays an eccentric spinstress who lives in an old plantation mansion, soon to be razed to make way for a highway. Thirty-seven years before this, Bette's husband was mysteriously murdered. After Olivia, playing the sister to Miss Davis, arrives, an eerie chilling series of mayhem, murder and mystery begins. Showtime is 2:00, 4:30, and 7:00, in the Student Union Ballroom.

THE LOVED ONE

The Thanksgiving Student Union Movie on Tues. (Nov. 21) is "The Loved One", featuring Jonathan Winters and Robert Morse. Robert Morse plays a loving nephew who must bury his uncle and who runs up against the frustrations of the American mortuary business. Shows are at 5:30 and 8:00 in the Student Union Ballroom.

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Sanitary Engineers Needed To Solve Pollution Problems

There is a critical shortage of qualified water and wastewater engineers according to a recent report by the Water Pollution Control Federation. UMR is trying to alleviate this.

According to the report, manpower needs in the water pollution control field for the 1964-73 period is 18,200. Most of these needed engineers must have advanced degrees. This is far greater than the present capacity of universities in the country.

An early (1960) survey by the Public Health Service indicated that while 730 new sanitary engineers (the majority with advanced degrees) were needed for that year, the output was only 300. Only 50 percent had advanced degrees. The situation is growing more crucial.

At Rolla, graduate students in the department of civil engineering interested in water supply and pollution control are encouraged to apply for graduate traineeships offered by the Federal Water Pollution Control Administration, Department of the Interior.

This traineeship program entitled "Training in Water Supply and Pollution Control," was first made available in the summer of 1966. At that time, UMR received a \$32,125 grant to apply toward the first year's expenses of a five year project under the direction of Dr. S. G. Grigoropoulos, professor of civil engineering. An additional \$145,271 was recommended for continuation of the project until June 30, 1971.

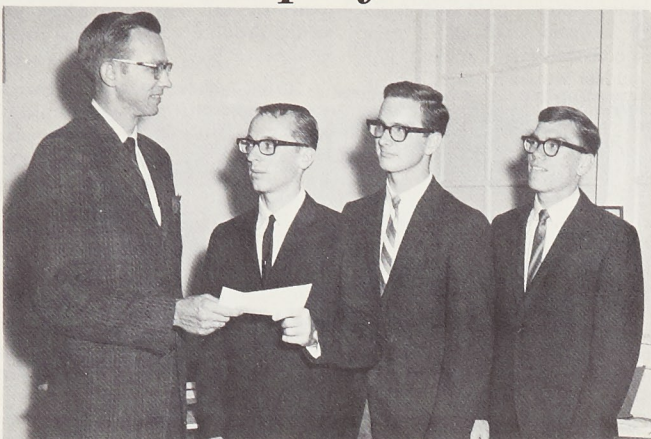
The grant was to provide for three pre-doctoral traineeships, progressing each year to five in 1969. Funds were also made available under the grant for the addition of a staff member, supplemental equipment and supplies and the bringing of outstanding lecturers to UMR. Similar water pollution control grants have been given to institutions across the country to encourage the participation of graduate students in the program.

Recently, UMR received a \$32,127 grant to continue the program.

Richard Vedder, a graduate student in civil engineering from St. Louis, received a traineeship last

summer. He holds a stipend this year, as will three other graduate students to be selected. Vedder is (Continued on Page 5)

Three Students Awarded Scholarships for 1968



Raymond Pendergrass (left), presents the Lucy Wortham James scholarships to three UMR students. They are from left, Clark Mikkelsen, William Hughes, and David Sierawski.

Three UMR students have been awarded Lucy Wortham James scholarships for this academic year.

Raymond Pendergrass, director of student aids and awards, recently presented the scholarships to William Hughes, David Sierawski, and Clark Mikkelsen.

The scholarships are provided by the James Foundation from the estate of Lucy Wortham James, in memory of her family.

Hughes is a sophomore in nuclear engineering and a member of the Society of Automotive Engineers and the Phi Eta Sigma honorary.

Sierawski is a member of the W. T. Schrenk Chemical Society and the Phi Eta Sigma honorary. He is a sophomore in chemistry.

Mikkelsen belongs to the So-

ciety of Automotive Engineers and the Intercollegiate knights service organization. He is a junior in mechanical engineering.

Band Members Selected For State College Band

Eight members of the UMR ROTC Band have been elected to play in the first All-State Missouri College Band.

sociation at the University of Missouri, Columbia. Musicians will rehearse Jan. 2 and 3 at UMC.

Participating from UMR will be Ronald Machl, tenor saxophone; John Byrne, baritone horn; John Daniels, clarinet; Richard Brockmeier, contrabass clarinet; Larry Varnon, alto saxophone; Danny Moline, baritone saxophone; Peter Silkworth, bass clarinet; Robert Foster, drums.

Participants in the 86-piece group represent 20 bands from all four-year Missouri colleges and universities. They were chosen for the All-State group by their directors. The band will perform Jan. 4 at the annual meeting of the Missouri Music Educators As-

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DANIELS GREEN	1.65	3.25	4.99
SEAGRAMS 7	1.32	2.68	4.10
BACARDI RUM	1.36	2.21	4.10
CONRADS RUM			3.06
BALLANTINES SCOTCH	1.96	3.02	5.86
VAT 69 GOLD	1.74	2.93	4.95
GILBEYS GIN	1.18	2.28	3.30
SEAGRAMS GIN	1.21	2.43	3.63
GORDONS VODKA	1.01	1.99	2.95
SMIRNOFF VODKA	1.27	2.49	3.74
SOUTHERN COMFORT	1.73	2.77	5.21
CHRISTIAN BROS. BRANDY	1.48	2.27	4.21
PAUL MASSON CHAMPAGNE	1.90	3.52	

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Miner Editorials, Letters, and Features



Students Asked to Give Opinion On Proposed Calendar Changes

Should the calendar of this University be so designed that the Fall semester should end by Christmas vacation? This question has arisen for the past several years and up until now, nothing has been done about it. This year the Calendar Committee, headed by Dr. Carlile, has developed such a calendar. Before submitting such a calendar to the administration they would like to know how the students feel towards such a calendar.

Since this calendar change would affect all students, everyone is strongly urged to vote on this matter. Ballots should be filled out and returned to the student union candy counter by Monday, November 20.

Some of the significant points regarding this calendar are:

1. University System rules currently prohibit such a calendar unless such were commonly agreed upon by all four campuses. The strength of the UMR straw vote is to indicate this university's desires regarding such a significant change and is intended to give reason and/or strength for such a system-wide consideration should the vote be in the affirmative.
2. The enclosed calendar will complete the Fall semester by December 21 with the required number of class periods. Please note that the Spring session will begin and close at what would be normal timing. This would alleviate the many problems of transfer students within the system and Junior College transfers from outside of the System which we normally receive for the Spring semester. The summer session has been adjusted to permit a one full month break before the next Fall semester. The vacation time between the Fall and Spring semesters (viz. Dec. 21 to Jan. 23) incorporates the normal Christmas-New Year vacation plus the between semester break while giving a portion of the early starting time back to the student. However, this break is also intended to adjust the Spring session to a normal starting and closing date.
3. The Fall semester, closing at Christmas vacation break, eliminates the so called "lame duck period" of two weeks which usually follows the Christmas break. The merits and/or lack of some of the value of this two week period following Christmas to the student and to the faculty is in doubt since there seems to be quite a variance of opinion to the value of this period. This straw vote will, we hope, give a sharper focus on the true feelings of the students and faculty regarding this "split" semester over Christmas time.

4. There are untold problems originating from the adoption of the enclosed (and such could not be feasibly adopted until all of these problems were considered and solved). For example, the student would be faced with a longer dormitory residence and hence an increased room and board fee. The magnitude of this increase would have to be determined. Secondly, the System employs new faculty as of September 1 of each year but would ask him to start work on August 26 at the latest. There are many problems regarding Administration, payroll, athletics scheduling, Co-op program scheduling, summer employment periods, clerical staff, and buildings and ground staff vacation adjustment, etc. which would be directly effected by such a change. But, these are the results of an affirmative straw vote which is in your hands and would come about only if such a change were to be voted into action by the majority of parties concerned.

The Calendar Committee presents this calendar without recommendations for or against other than the observations listed above. They were asked, in response to the request in the University Bulletin, to give consideration to such a revised calendar. This is not the first year such a request has been made by the faculty of this university and it may or may not be the last. Should it be voted in the affirmative, it is possible that such could not be implemented by the 1968-1969 academic year.

This would depend on the ability of the administration of this campus and of the System to be able to tie up all the loose ends which such a calendar would create. If such be the case, the Calendar Committee holds yet another calendar which they would then present for approval. This calendar follows the calendars of the past four years with the usual "split" Fall semester.

- ☐ I approve of the concept exemplified in the attached calendar whereby the Fall semester of our academic year be scheduled such that it terminates by Christmas break.
- ☐ I do not approve of the concept of terminating the Fall semester by Christmas vacation break and feel that the schedule followed in the past should continue to be followed in the future.

Signature

Student Number

Proposed Calendar With Fall Semester Ending by Christmas Break

Fall Semester

New Student orientation & registration	Aug. 26, Monday
Continue new student registration	Aug. 27, Tuesday
Upper Classmen registration, 12:30 p.m.	Aug. 27, Tuesday
Continue registration	Aug. 28, Wednesday
New student orientation & registration ends	Aug. 28, Wednesday
Classwork begins, 7:30 a.m.	Aug. 29, Thursday
Labor Day holiday	Sept. 2, Monday
Mid-semester	Oct. 23, Wednesday
Thanksgiving vacation begins, 12:30 p.m.	Oct. 27, Wednesday
Thanksgiving vacation ends, 12:30 p.m.	Dec. 2, Monday
Final examinations begin, 8:00 a.m.	Dec. 16, Monday
Final examinations end, 5:00 p.m.	Dec. 21, Saturday
Christmas and semester break begins, 5:00 p.m.	Dec. 21, Saturday

Spring Semester

Registration begins 8:00 a.m.	Jan. 23, Thursday
Registration continues	Jan. 24, Friday
Classwork begins, 7:30 a.m.	Jan. 27, Monday
Spring recess begins, 7:30 a.m.	March 13, Thursday
Spring recess ends, 7:30 a.m.	March 17, Monday
Mid-semester	March 30, Saturday
Easter vacation begins, 12:30 p.m.	April 3, Thursday
Easter vacation ends, 12:30 p.m.	April 7, Monday
Final examinations begin, 8:00 a.m.	May 19, Monday
Second semester closes, 5:00 p.m.	May 25, Sunday
Baccalaureate exercises, 10:00 a.m.	May 24, Saturday
Annual commencement, 5:00 p.m.	May 25, Sunday

Summer session

Registration	June 2, Monday
Classwork begins, 7:00 a.m.	June 3, Tuesday
Independence Holiday	July 4, Friday
Summer commencement 10:00 a.m.	July 26, Saturday
Summer session closes 12:00 noon	July 26, Saturday

	M	T	W	Th	F	S
Fall	14	15	16	17	18	19
Spring	16	17	18	19	20	21
Summer	7	8	9	10	11	12

THE MISSOURI MINER



THE MISSOURI MINER is the official publication of the students of the University of Missouri at Rolla. It is published at Rolla, Mo., every Friday during the school year. Entered as second class matter February 8, 1945, at the Post Office at Rolla, Mo. 65401, under the Act of March 3, 1879.

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

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Student Forum

To Student Forum:

I feel strongly that the athletic department, and the coaching staff in particular, owe the student body an immediate explanation for another football season in which a team with plenty of football talent could produce no more than two wins, neither of which counted in conference play, to end up, once again, in the cellar of the MIAA.

In the past few years there have always been a multitude of excuses streaming forth from the athletic department to explain loss after loss. Examining the starting line-up this season one can find many three and four year veterans, several talented sophomores, and many excellent freshmen prospects who would probably be all-conference material when properly motivated and playing for a winning team. The only thing that counts in football is the scoreboard when the clock runs out and I believe that the clock has run out for the present coaching staff.

Football is here to stay. It has made a valuable contribution to our heritage and gives a chance for good athletic competition and a chance to develop solid school spirit. What happens at other universities when a winning team is not produced? Many coaches have found their heads in baskets at the end of one or two non-productive seasons. But the administration at UMR insists on dragging its tail between its legs for one irritating season after another. Is the honorable head coach and his regime so well entrenched at this university that the administration cannot find suitable replacements?

Maybe the answer is to withdraw from the MIAA. Maybe the answer is in the restrictions that the conference puts on recruiting, scholarships, and spring practice. Maybe the answer is in the difficulty of attracting good high school players. There could be numerous answers but the faculty committee on athletics, the student body, and the administration need to take a good, hard look at who is sitting behind desks in the Butler Building.

Rick Kolaz

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Civil Engineers Called To Solve Pollution Crisis

(Continued From Page 3)

studying toward a graduate degree in sanitary engineering in the department of civil engineering. He plans to pursue a Ph.D. degree in the area at UMR.

Vedder chose his own research project in the field — as all participants are allowed to do. He is studying a new method of removing nitrogen and phosphorous from wastewater before the water is returned to streams.

According to Dr. Grigoropoulos, project director, the presence of nitrogen and phosphorous in the effluence from treatment plants induces the abundant growth of algae in streams. This gives the stream water an unpleasant taste and odor and may cause the death of aquatic life.

It spoils the water for drinking purposes, even after purification. This type of pollution is termed eutrofication by engineers. Dr. Grigoropoulos said that there are some methods of removal now, but Vedder is looking for a more effective method which would also be less expensive.

The new staff member working

under this grant is Dr. Krishnier Purushothaman who came here from the University of Texas. He is assistant professor of civil engineering. Dr. Purushothaman has been assistant lecturer in public health engineering at the College of Engineering, Guindy, Madras, India, and lecturer in civil engineering at the Coimbatore (India) Institute of Technology.

Three visiting lecturers were brought to campus last spring and more are scheduled this year.

NOTICE!

All students and faculty are invited to attend the University Dames Seminar. Professor Jack Bobbitt will speak on "Fighter Pilots, Poets, Men For All Seasons". It will be held on Tuesday, November 28th, at 7:30 p.m., 103 Rolla Building. Refreshments will be served so come and bring a friend!

According to Dr. Grigoropoulos, the traineeship program has aided greatly in the encouragement of graduate students to enter the water supply and pollution control field.

UMR Graduates Rank High At ROTC Officer Schools

UMR-ROTC graduates ranked high in officer basic course performances during the 1967 fiscal year. Maj. Gen. John H. Chiles, deputy commander of the Fifth United States Army recently reported UMR's rankings to Chancellor Merl Baker and Col. John M. Frassrand, chairman of the department of military science.

According to Gen. Chiles, 22 of UMR's 50 basic course participants ranked in the upper third of all ROTC graduates in basic courses across the country. A total

of 18 Rolla participants ranked in the middle third.

The ratings were compiled from the performances of 9,791 ROTC graduates participating in 13 officer basic course schools at Army installations across the United States. Participants were graduates of ROTC programs in colleges and universities preparing to begin their tours with the U.S. Army. The nine-week courses briefed the men on latest military procedures with training conducted in classrooms and the field.



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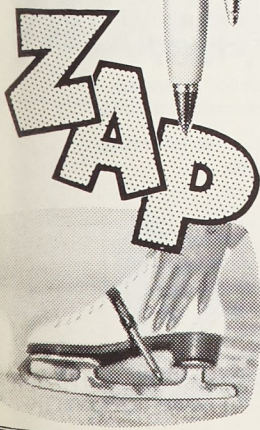
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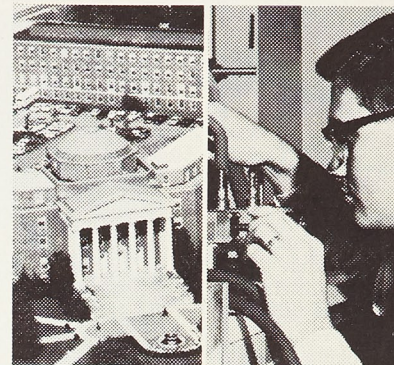
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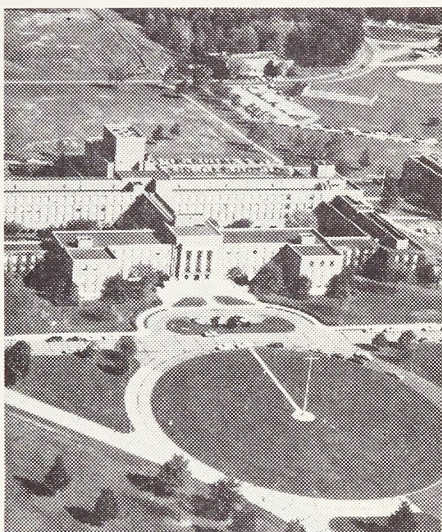


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Intermediate Graduate Study	Recent college graduates in certain engineering & scientific fields.	Selected by Personnel Officer . . . admission to graduate school . . . an honors program.	Full tuition, books, fees, travel per diem & ½ GS-7 salary . . . (over \$3800) . . . 2 semesters full-time.
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MINER SPORTS

FRIDAY, NOVEMBER 17, 1967

THE MISSOURI MINER

PAGE 7

Miners Drop Last Two Games; Fall to Maryville, Kirksville

Bearcats Win 36-19

The Miners dropped their last match of the season to the Maryville Bearcats last Saturday 6-19. The Bearcats kept control of the ball most of the game as they pushed the Miners to a 2-7 season.

Evidence of the Bearcat's control of the contest can be seen in their 22 first downs as compared to the Miners 10 and 266 yards rushing to UMR's 41. Northwest Missouri State scored at least once in every quarter as they steadily pushed the Miners to the floor.

The Miners fared well in the opening as they took their half-time break with only a 15-6 deficit. Then in the second half the Bearcats ran the score to 36-6. Maryville took advantage of an intercepted pass and a fumble for two tallies and used their running power to set up the other three TDs.

The Miners held themselves to a two point deficit in the second quarter when they blocked a Bearcat quick kick and then scored the TD on a 4-yard scamper by Cecil Taylor. The two point conversion try failed and the score stood at 8-6.

Until the final two minutes of play the Miners had been held to a disheartening 36-6 score. But the Miners rallied as quarterback Ron Miller connected to Larry Oliver and Nicodemus plunged 1-yard after drives of 66 and 68-yards respectively.

The victory for Maryville placed them in a three way tie with Springfield and Kirksville for third place in the MIAA standings.

NEMS Slips by 13-7

Even though the Miners dominated the game throughout, they dropped closely fought contest at Kirksville 13-7 on Nov. 6. The Bulldogs picked up the deciding points on a blocked Miner punt only four plays after the second half began. After the kick had been averted from its course, Ken Bebermeger of Kirksville fell on the ball in the Miner end zone for the TD.

SEMS Ranks First In MIAA League CMSC Is Second

Walt Smallwood of Southeast Missouri State ran the Indians into first place as he scored on an 80 and 48-yard TD run to crush Northeast Missouri state 20-6. This clinched the MIAA championship for the Indians as they have defeated the other five contestants in the league.

Walt Smallwood, a junior, piled up 165 yards in 14 carries as Cape Girardeau registered its seventh victory in nine games. In their last six appearances, the Indians have allowed only 28 points while scoring 164.

In other MIAA action the Central Missouri State Mules captured a stiff 40-9 win over the Southwest Missouri State Bears to place second in the MIAA contest.

CMSC's Ken Brumley was the standout in this match as he kicked two field goals, converted for four extra points, and whipped a 20-yard TD pass to end Clark Frost. This was Warrensburg's fourth MIAA victory as they fell only to SEMS.

Miner Coach Dewey Allgood complimented his tough defensive unit which gave up a total of 62 yards on the ground. However, the Miner offense couldn't seem to get the breaks. Twice they threatened to score in the first quarter, but failed to tally.

The Miners first closed to within 11 yards of paydirt on a 54-yard drive and then slowed to a standstill and were forced to relinquish the ball. Minutes later the Miners had a first and goal situation on the one yard line, but fumbled and lost control of the ball on the next play.

In the second quarter the Miners had driven to the Bulldog's 22-yard line when on a fourth down situation a UMR pass was intercepted. The Kirksville eleven then marched the length of the field and drew blood eight plays later on a 1-yard run.

With the Miners down 13-0 in the fourth quarter John Grawe, Miner quarterback, took over the reins and directed the team 58 yards for their only score of the game. The TD came on a 22-yard pass play to Rich Erxleben. Further attempts to score in the few minutes remaining were doomed to failure.

The victory for the Bulldogs evened their record to 4-4 as they were avenged for their 16-0 loss at the hands of the Miners on last year's Parent's Day game.

Public Is Invited to See Key's Men Nov. 21

On Tuesday, November 21, the Miner basketball team will hold an inter-squad match at the Rolla High school gym. The match will be open to the public and everyone is invited. Starting time is 8:00 p.m.

After three weeks of strenuous practice there is still strong competition for the starting positions. These positions are still up in the air as the first match on December 2, with Central Methodist draws near.

The members of the Blacks and Whites have not yet been chosen. However, returning letterman Wayne Lewis, Randy Vessell, Loris Piepho, Bobby Hurt, and Mike

Windish are looking real good. In the freshman division Gary Merseal and Skip Young seem to be the standouts.

Already several injuries have plagued the Miner five. John Head pulled a leg muscle and has not been able to run hard thus far this season. Sprained ankles are numerous and have touched Lenny Borneman, Kent Mueller and Jim Perry. Gary Merseal also injured his knee and was out for a week.

Coach Key feels that these pre-season injuries have definitely hampered the progress of the Miner squad. Even if a man is out only four days due to a sprained ankle, it sets back the team.

Bud Mercier Named To UMR Coaching Staff

This year a new man is listed among the ranks of UMR's football coaches. His name is Bud Mercier and he works with the defensive backfield. Along with him are three experienced coaches who have done a fine job in directing the Miner squad.

DEWEY ALLGOOD just completed his fourth year as head football coach of the University of Missouri at Rolla. Dewey came to the Miners in the fall of 1950, after coaching at Northwest Missouri State at Maryville.

Coach Allgood had previously served as head basketball and golf coach of UMR, as well as line coach for the football squad. As a student he played football, basketball and baseball at North Dakota State, and he holds a Masters degree from Colorado State College.

BURR VAN NOSTRAND assists Dewey as line coach and holds down the position of director of the intramural program at UMR. Burr joined the Miner forces in February of 1953 after

a successful season as head coach of the Rolla High School football team.

Coach Van Nostrand also coached the MSM swimming team for 15 years and pushed his record to 88 wins and 30 losses. Burr attended Ohio University and Southwest Missouri State at Springfield where he played football and baseball. Coach Van Nostrand holds a Masters Degree from the University of Missouri at Columbia.

CHARLES FINLEY, end coach, is in his second year on the Miner staff. He graduated from Southwest Missouri State College in 1959 and had very successful teams at Sarcoxie for three years and at Lebanon for two years. Charlie holds a Bachelor of Science from Southwest Missouri State.

BUD MERCIER, the newest man on the Miner coaching staff, is from Fredericktown. He worked with the defensive backfield this season in his first year at UMR. Bud has successfully coached high school teams for eight years at Monroe, Farmington, and Puttonville.

Also aiding this year's coaching staff are Charley Riggs and Gary January. Both of these men have taken care of the Miner scouting which is a big help to the players as far as preparing for the upcoming games.

This is Charlie's second year in the coaching department. He is an alumnus of UMR and was a member of the Sigma Nu fraternity. After graduation in 1962 he served in Viet Nam as a 1st Lieutenant in the 1st Infantry's combat engineers. Charlie is now doing graduate work.

Mr. January is presently enrolled at UMR and plans on graduating in January.

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NORMAN SCHWEISS

Miners Close Out Nine Game Loop, Predict Winning Season in 1968

Coach Dewey Allgood's Missouri Miners closed out a nine game varsity football schedule this past Saturday, and although it wasn't a winning season, their two-win, seven loss mark may set the scene for victory next fall. With the expected loss of only six men, prospects are good for the best season in several years at the University of Missouri at Rolla.

"I thought that the team did an outstanding job considering the inexperienced and young team that we had," explained Coach

Allgood. "I also felt that we could have won a couple more than we did," he added.

Coach Allgood was very pleased with the performance of many of the freshmen on the squad. This is quite evident as there are nine freshmen who lettered this fall. They are Ed Hanstein, Bob Heinle, Bob Berry, Dave Harris, Bill Murphy, Mike Rader, Steve Waler, Dave Williams, and Darrell McAllister.

ONLY TWO INJURIES

As far as injuries went this

season, only two Miners were seriously hurt. David Pfefferkorn, after starting the season with a 95-yard punt return, had his leg in a cast most of the season before he returned to action. The only other major injury fell on freshman halfback Dave Harris from Independence. With only three games left in the season Dave received a knee injury as he picked off a pass from quarterback Rich Erxleben.

1968 OUTLOOK GOOD

The outlook for the 1968 Miner ball club looks very promising. With 33 returning lettermen next fall Dewey feels that UMR should have a winning season. His highest hope is that all 33 men will be back.

Intramural Point Standings

As the intramural football season came to a close Tech Club defeated Sigma Nu in the finals 14-13 to claim 300 intramural points and Kappa Sigma downed M.R.H.A. 20-13 to place third and fourth respectively. Here are how the top 20 teams stand.

Organization	Points
Sigma Phi Epsilon	544.0
M.R.H.A.	514.0
Kappa Sigma	484.0
Shamrock Club	457.0
Sigma Nu	449.0
'59ers	432.0
Beta Sigma Psi	431.25
Phi Kappa Theta	423.0
Lambda Chi Alpha	410.0
Tau Kappa Epsilon	376.25
Sigma Tau Gamma	370.25
Kappa Alpha	363.5
Delta Sigma Phi	337.25
Campus Club	324.0
Thomas Jefferson	321.0
Engineers Club	303.75
Theta Xi	291.5
Pi Kappa Alpha	273.5
Alpha Epsilon Pi	260.0

SIDELINES

by Greg Julian

With the varsity football season over, many of the UMR players have been acknowledged as outstanding players in their respective positions. Preceding their last match with Maryville these Miners placed among the top standouts in the MIAA league.

Larry Oliver was the fourth highest scorer as he hit the 31 point mark and Nicodemus was tied for fifth with 30. Miner halfback Rich Erxleben placed fourth in punters with 37.0 yards per punt. Holding down second place among pass receivers was halfback Larry Oliver who totaled 407 yards. Larry was also fourth in punt returns with 9.3 yards per return. More results will be posted as other reports come in from the MIAA teams.

The UMR Rugby team is really putting forth an outstanding effort this year as they try to make a name for themselves in sporting circles. In their first two matches the Blacks, which are equivalent to the varsity, have brought home two ties.

One of these was with Indiana University which has an enrollment of 27,000 students and is ranked in the top 20 football teams across the nation. The rug-

gers were really proud of their efforts in tying the Hoosiers and feel that this match will light the way to a winning season against the "big" schools.

Their other tie was with Rockhurst of Kansas City whose season was nearly over at the time of the match. This was the Rugby teams first match of the season and they did very well in tying that game 6-6. In the near future the Ruggers will face the Mizzou Tigers at UMR on a date to be announced.

With the intramural football season at a close the organizations found Tech Club downing Sigma Nu in a well fought "fight to the finish" battle. Both teams saw excellent pass plays which developed out of such practice in the matches leading up to the finals.

In the fight for third place was Kappa Sigma and M.R.H.A. Kappa Sigma took the honors as they downed the dorms 20-13. As the intramural basketball season gets under way, there will be several teams in contention for the 300 intramural points. Last year champions, the '59ers, will put up a strong challenge to all organizations in their league.

MEET THE MINERS

As the varsity football season comes to a close, the Meet the Miner column highlights two Miners who have contributed to the overall effort of the gridiron squad. They are junior Don Steenrod and freshman Bob Heinle.

Bob, one of the nine freshmen who lettered this season, has held down the position of starting safety on the Miner gridiron team. Bob comes to UMR from Hazelwood High School in Florissant where he lettered four years in both football and track.

Bob feels that his best game this season was the first one, as he attacked the Harding Bisons to the tune of 12 first hits. He also intercepted two passes this year, one in the season opener and one in the Miners last match with Maryville.

Bob's other activities include pledging the Sigma Pi fraternity and he plans on participating in intramural volleyball and wrest-

ling. He is presently enrolled in the Electrical Engineering department.

Don, a 190-pound offensive guard, comes to UMR from St. Louis. Last year he played a little defensive linebacking, but has now become permanently located in the guard position. Don transferred to UMR from Washington University where he also played football. This is his second year as a letterman.

Don readily admits that the Harding match was also his best of the season. He feels that his functions best in pass blocking and trapping, where he catches a defensive man on an unexpected tackle.

Don's other activities include being a member of the M-Club and I.E.E.E. as he is working toward a degree in the Electrical Engineering department. He also plans on continuing his efforts in the intramural wrestling program where he took first in the 185-pound division last year.

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