



15 Apr 1966

## The Missouri Miner, April 15, 1966

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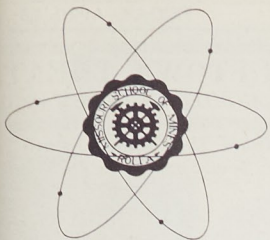
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# The Missouri MINER

UNIVERSITY OF MISSOURI AT ROLLA



VOLUME 52

FRIDAY, APRIL 15, 1966, ROLLA, MISSOURI

NUMBER 25

## Examination to Be Given For Engineers-In-Training

The Engineering Division of the State Board of Registration for Architects and Professional Engineers will give an eight-hour examination for the enrollment of Engineers-In-Training beginning at 8:00 a.m. on Saturday, April 23, 1966, in the Civil Engineering Building at UMR.

This examination should be of special interest to recent engineering graduates and engineering students who will graduate this year or next. It is the first step toward registration as a professional engineer. After an applicant has passed the examination and is enrolled, it is necessary for him to take only the final eight-hour examination when he files for registration after acquiring the necessary four years of engineering experience, as approved by the Division.

The examination covers Basic Science and Mathematics and their application. The syllabus of the examination is broad, general outline is as follows:

Mathematics, Chemistry, Statics, Thermodynamics, Fluid Mechanics, Physics, Dynamics, Electrical Theory, Mechanics of Materials, and Economic Selection.

All persons interested in taking the examination must file application with the required fee of \$5.00 at the office of the Civil Engineering Department by Wednesday, April 20, 1966. Application should show applicant's permanent mailing address, rather than temporary address while at school. The examinee may bring to the examination any textbooks or reference books which he thinks may be helpful.

Application blanks for enrollment may be secured at the Civil Engineering Department Office, Room 111, Civil Engineering Building.

## UMKC Jazz Workshop Tours State; Clinic Will Be Held on Campus

The UMKC Workshop will appear on Thursday evening, April 21, 1966 at 8:00 p.m. in the Student Union Ballroom, sponsored by the Student Union Board.

The UMKC Jazz Workshop is composed of eighteen students enrolled at the University of Missouri at Kansas City. Under the direction of Irving Miller, the

Tenth annual South Central Missouri Science Fair will be held at UMR today and tomorrow, it has been announced by Dr. Gerald Rupert, assistant professor in mining engineering, and chairman of the committee in charge of the event. The Science Fair is sponsored jointly by U.M.R. and the Rolla Daily News.

In connection with the Fair, an open house will be held on Saturday morning from 8 to 12. Prospective students, their parents, high school teachers and coun-

sors are especially invited to visit the campus. All departments of instruction and administrative offices will be open to answer questions of interest to the college-bound student.

The School of Science will hold a reception for all science fair participants, advisors, and parents at 10:30 a.m. Saturday in the Physics Building.

The Fair is open to students in grades 10 through 12 in the 59 high schools in the 18-county South Central Missouri region.

Workshop has appeared all through Missouri on tour. This year the Workshop will participate in the Joplin Jazz Festival and the Kansas City Jazz Festival after completing a tour of several Missouri cities.

The Jazz Workshop is a regular credit course open by audition to all students at the University. As a result, some of the members of the band are not music majors. Personnel of the band include five trumpets, four trombones, five saxophones, a three-piece rhythm section, and a vocalist.

The bulk of the group's arrangements were done by present or former members of the Workshop. The styles represented include a range from commercial big band to the more experimental. Special feature of the Workshop is the Ray Rabon Sextet, composed of trumpet, trombone, saxophone, and the rhythm section. The Sextet appeared this year at the Jazz Workshop '66 (formerly the

Oread Jazz Festival) at Lawrence, Kansas, and was chosen as the Best Group of the Festival. Individual members of the group were chosen as best brass player, best pianist, and best bassist. The sextet will also be appearing at the Kansas City Jazz Festival.

## Two Talent Groups Filmed For Television Program

Two talent groups from UMR were filmed Tuesday morning for a special statewide college television program, "Campus Talent '66," to be sponsored by Southwestern Bell Telephone Co. Sixteen groups from 13 colleges across the state were chosen to be filmed for the program. The show will be televised across the state in the middle of May.

Corinthian Productions from Houston taped the performance on the U.M.R. campus. The Kappa Alpha Singers, a vocal and instrumental folk group, and the

Students may prepare as individual or group projects, exhibits on scientific principles or applications of those principles, in the areas of biology, chemistry, mathematics, physics, earth sciences and space sciences.

Counties included in the South Central area are Camden, Crawford, Dent, Douglas, Franklin, Gasconade, Howell, Laclede, Maries, Oregon, Osage, Ozark, Phelps, Pulaski, Shannon, Texas, Washington and Wright.

Exhibits are to be set up from 8 a.m. to 2 p.m. today in the Student Union Ballroom with judging from 2 to 5 p.m. Exhibits will be on display from 6 to 9 p.m. today and from 8 until 2 p.m. Saturday. Awards will be announced at 2 p.m.

Standards for judging are creative ability, scientific thought, thoroughness, skill, clarity and dramatic value. Awards will be made in each division and the student with the entry judged most outstanding will receive an all-expense paid trip to the National Science Fair May 11 to 14 in Dallas.

Jaguars, instrumental jazz group, were chosen by the Corinthian director in an audition Feb. 14 at U.M.R. Fifteen University groups competed for the honor.

The KA Singers are: Larry Yates, guitar and bass; Dennis Hanlon, guitar and bass; Gary Burks, second tenor; and Jim Hunter, first tenor.

Members of the Jaguars are: Jim Labit, alto sax; Bill Meeker, tenor sax; Jack McAlister, drums; Don Baughman, lead guitar; and Don Copeland, bass guitar.

## President of University Meets With UMR Faculty

Dr. John C. Weaver, who will assume position of president of the University of Missouri system in September, made a brief informal visit to UMR Friday. He was accompanied by Mrs. Weaver and their sons Andrew and Thomas.

Visiting here for the first time since his appointment as president, both Dr. and Mrs. Weaver stated that they look forward with anticipation to their future association with all four campuses of the University of Missouri system and their renewal of acquaintances in Missouri.

While on the campus, Dr. Weaver had the opportunity of meeting for a short time with members of the Rolla faculty and staff.

Dr. and Mrs. Weaver were entertained at a luncheon by Chancellor and Mrs. Merl Baker.

## Selective Service to Administer Draft Deferment Tests

Engineering Manpower Commission has obtained the following advance information regarding Selective Service plans for giving qualification tests as one factor in determining the future eligibility of students for deferment under Class II-S of Selective Service. This information is preliminary and subject to change, but is believed to be accurate as of this date.

Students must apply individually to take the test. Application forms and tickets of admission may be obtained at any Selective Service Local Board after April 1. They must be postmarked not later than April 23. The forms are pre-addressed for mailing to Science Research Associates in

Chicago. The applicant must select an examination center from a list of about 1,200 included in a Bulletin of Information which will be available at the Local Board. Science Research Associates will administer the entire testing program on behalf of the Selective Service System.

Science Research Associates will notify the student of the time and place scheduled for his examination. Tests will be given at all centers on the following dates:

Saturday, May 14; Saturday, May 21; and Friday, June 3.

A make-up test will be given June 24. Testing will be done simultaneously throughout the country. It is up to the student to

present himself at the designated place and time for the test.

Test results will be sent by Science Research Associates directly to the Local Board where the student is registered. In accordance with the Universal Military Training and Service Act, as amended, the Selective Service System cannot be required to defer anyone solely because of a test score or class standing. In other words, neither a passing score on the qualification test nor high class standing will guarantee deferment; academic standing is just one of the factors which Local Boards must consider when deciding on the classification of a registrant. However, it is certain that much weight will be given to

those criteria by Local Boards. Note that *either test score or class standing* will be sufficient to establish acceptable academic performance; both need not be submitted.

The qualification test will be a three and one-half hour multiple-choice general knowledge test of 150 questions. Passing score will be 70 for undergraduates and 80 for graduate students.

Class standing criteria will be based on the registrant's scholastic rank in comparison with all full-time male students in his class for the preceding year as follows:

Sophomore year, upper half; Junior year, upper two-thirds; Senior and 5th year of bachelor

program, upper three-fourths; Graduate student, upper quarter of Senior Class.

In all cases, the registrant must also have been accepted by the college for the year in question. For example, a student who seeks deferment to enter graduate school must have ranked in the top quarter of all men in his senior class, and must have been accepted by the graduate school for admission in the next regular term.

Engineering Manpower Commission recommends that all engineering students take the qualification test.



# Chancellor Discloses That More Money Would Solve Many of School's Problems

"If we had more money . . . . These words, undoubtedly familiar to most UMR students, were the first spoken by Chancellor Baker at the latest in a series of Coffee Chats held at the Student Union. This one, held on Wednesday, March 30, concerned the general topic of money and just how the university obtains and uses it. A panel composed of Dr. Baker, Dean Ponder, and Mr. Emmett Klinkerman, business officer of UMR, first discussed several aspects of the monetary matters and then opened the floor to questions.

Chancellor Baker began by noting that many of the schools' problems could be solved by "more money." "Presently our income is derived from three sources: state funds, student fees, and money for research from the government and industry," continued Dr. Baker.

Mr. Klinkerman then noted that students pay for approximately 22% of the institution's operational cost. About 70% comes from the State of Missouri and the remainder comes from miscellaneous sources. The university is operated on a "Fund Accounting System" as compared to a cost accounting system used most often in business. "The reason for this," added Klinkerman,

"would be that there are too many formulas for figuring costs per student."

"We do not have the freedom to equalize the situation as some may think," said the Chancellor. Dean Ponder then added that the constant increase in the need for a higher education has resulted in a constant increase in the cost. In his words, "Higher taxes may be the only answer." Some would like to see the "free" education level raised to the freshman or sophomore year of college. Dean Ponder emphasized that today's students will be the people to decide this future question.

In reference to present conditions, Dr. Baker noted, "We have tried to keep the budget down. In fact the legislature has said that they would accept an increased budget — if we would increase the fees accordingly." Continuing, he mentioned that the administration

would have no objection to students talking to their legislators about budget problems. It is important to keep in mind, however, that the legislators from the St. Louis area are in favor of higher fees because of schools such as Washington University.

The question of another possible fee increase on this campus brought no direct answer from the panel. Said Dr. Baker, "This will be decided in the next couple of weeks." It was noted that the fees on the other University of Missouri campuses are the same as here with the exception of the activity fee.

Many students often wonder just what the \$140 "Incidental Fee" is used for, and this very question was asked. "It has no special definition, no real specific allocation," edged Mr. Klinkerman. "One might call it an enrollment or matriculation fee. It

all goes back to the Fund Accounting System. The state will not provide 100% support."

"The Board of Curators would like to have lower fees," added Chancellor Baker, "but pressure from the legislature prevents this from happening. We realize that some students have financial problems, and we maintain the Curator's Scholarships for this reason."

One student brought up the idea of "time payment of fees" and a kind of credit-card system for incidental things. Mr. Klinkerman mentioned that this idea had come up and was resisted by the Business Office. "The Business Office does not want the university to become a bill-collecting agency. It cannot be said whether or not this will come about; it would be for the convenience of the student." He questioned the fact that the credit-card system would be a benefit for the students.

Deviating from the money matters, Chancellor Baker mentioned that the physics and chemistry FAILURE rate was at its lowest last fall, due to increased student studying, better counseling, and a better faculty attitude.

As the coffee chat concluded, a student asked what the student opinion would be on the publication of the proposed budgets of those organizations receiving aid from school funds (band, glee club, etc.) It was pointed out that the Student Council budget does appear in the MINER. Dean Ponder continued, "If the students want to know about these organizations, just let us know — the budgets are open to any student."

These Chancellors Coffee Chats are sponsored by the UMR Student Union Board.

## Debate Team Compiles Impressive NODT Record

The UMR Debate Team journeyed to the National Open Debate Tournament in East St. Louis on April 1 and 2, and scored another impressive victory. The Miners had an overall total of nine wins and six losses against such competition as Bradley, Butler, Colorado, SIU, and St. Louis U.

The Open was marked by well balanced performances from all three of UMR's teams, as each posted a 3-2 won-lost record. Indeed, all the UMR debaters received a Special Award Certificate as testimony to their forensic ability.

The veteran team of Dave Cantwell and Brunn Roysden again competed in the Senior Division, debating both sides of the issue. They contested teams such as Bradley, SIU, and Webster.

UMR placed both an affirmative and a negative team in the Junior Division. Bob Jordan and Franz Brown debated the affirmative. They won 3 and lost 2 de-

bates in competition with Butler, Mammoth, Greenville, and St. Louis U.

The team of Bob Wolfsberger and Clem Drag debated the negative for UMR in the Junior Division. They also were 3 and 2 against the teams of Colorado, SIU, and Bradley.

The debaters were accompanied on their trip to the National Open by Dr. Russell Primrose, Faculty Representative. Dr. Primrose served as judge in several debates.

Activities of the forensic groups are financed partially by a liberal appropriation from the Student Council, and partially by funds provided by the University. The Debate Team plans to wind up its season by attending a final tournament at the University of Illinois in Champaign.

In use throughout the tournament was the resolution: That Law Enforcement Agencies in the United States Should Be Given Greater Freedom in the Investigation and Prosecution of Crime.

## Aerospace Experts Address AIAA Group

The American Institute of Aeronautics and Astronautics at UMR was host to Col. Charles Yeager and Dr. Paul Gardiner at a dinner and meeting on Friday, April 1. Col. Yeager, commandant of the Aerospace Research Pilot School, Edwards Air Force Base, Calif., and Dr. Gardiner, counseling and career guidance officer for NASA, were here in conjunction with the Student Space Symposium.

Special guests at the dinner, which was held in the Crystal Room of the Carney Manor, were the advisors, Dr. Robert Oetting, associate professor of mechanical engineering and Earl Richards, instructor in electrical engineering.

Speaking at the AIAA meeting held later in the civil engineering building, Col. Yeager outlined the qualifications for applicants to enter the Pilot School. To be successful in this field, one should have a high grade average in math and good grades overall, Yeager said. He held a question-answer period on aerospace research.

Dr. Gardiner gave an informal talk on what is expected of a graduate who works for NASA and what the graduate should expect from jobs. He stressed the importance of continuing education on the job.

The AIAA was presented a plaque of recognition for its participation in the Space Symposium where the group acted as guides and ran a space science exhibit and demonstration. The award was presented from Dr. Ward Haas, director of the Space Sciences Research Center for the University of Missouri.

## UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Thurs. Thru Mon. April 14-1

Sunday Feature 1:25, 4:00,

6:45, 9:20

## "The Chase"

Marlon Brando & Jane Fonda

Tues., Wed. April 19-2

## "The Money Trap"

Glenn Ford & Elke Sommer

## RITZ THEATRE

MOVIES ON WIDE SCREEN

Fri., Sat. April 15-1

Saturday Continuous From 1 p.m.

## "King Rat"

George Segal & Tom Courtenay

Sun., Mon., Tues. April 17-1

## "Boeing-Boeing"

Tony Curtis & Jerry Lewis

Starts Wednesday April 20-2

Admission:

Adults 90c — Children 50c

## "Viva Maria"

Bridgette Bardot & Jeanne Moreau

## ROLLA DRIVE IN

Shows Start at 7:00 p.m.

REOPENS SATURDAY, APRIL 1

## "Code 7, Victim 5"

Lex Barker & Ronald Fraser

— PLUS —

## "Summer Holiday"

Cliff Richard & Laurie Peters

Sun., Mon. April 17-1

## "Major Dundee"

Charlton Heston & Richard Harris

Tuesday April 18-1

## DOLLAR A CAR-LOAD

## "Die Die My Darling"

Tallulah Bankhead & Stefanie Powers

Wed., Thurs. April 20-2

## "Sergeant Rutledge"

Jeffrey Hunter & Constance Towers

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Charles Whitaker displays citation for outstanding service in the Defense Intelligence Agency, presented to him by Col. Gundling and Dean Proctor.

## Grad Student Awarded Commendation Medal

Charles N. Whitaker, graduate student in the Geology Department UMR received the Department of Defense Joint Service Commendation Medal in a ceremony at the University, March 15. The presentation was made by Dr. Paul Proctor, Dean of the School of Science and Col. David L. Gundling, Professor of Military Science. The Joint Service Commendation Medal was awarded to Mr.

Whitaker for exceptionally meritorious achievement in the performance of outstanding service as a Specialist with the Defense Intelligence Agency, Washington, D.C., from March 1964 to September 1965 in the capacity of a physical science assistant.

Mr. Whitaker is presently studying for his Masters degree in Geology

## Dr. Feingold to Present Paper on Diesel Power

"Diesel versus Steam for Marine Propulsion" will be the opening paper at the 38th Annual Conference and Exhibit of Diesel and Gas Power Division, American Society of Mechanical Engineers April 24 to 28 at the Jung Hotel in New Orleans.

The paper, to be presented by Dr. Adolph Feingold, professor in mechanical engineering at UMR and holder of the degree of Doctor in Naval Architecture and Mechanical Engineering, University of Genoa, Italy, advocates diesel propulsion for cargo ships as a superior and more economical means of propulsion as compared to steam.

Dr. Feingold points out that the United States is the only country in the world still tied to the steamship. The other maritime nations

favor the motorship due to recent technological advances made in the marine diesel engine.

A changeover to diesel power will improve the already precarious economic position of the U.S. merchant marine which Dr. Feingold calls the "fourth arm of defense," an arm particularly important in long and distant wars such as the present action in Viet Nam. He feels that while we are well-equipped in planes for fast transportation of limited quantities of material, we are lacking in adequate means of long-range transportation for steady shipping of supplies over a long period of time. We rely to a considerable degree on foreign flag ships, the use of which could be denied to us in an emergency. It would be safer to develop an efficient and sufficiently large merchant marine of our own.

Although a fullscale revision of propulsion could not be attempted, at least part of the new ships could be installed with diesel power.

## Kratzer Named Regional Delegate

William Kratzer, Jr., director of the Student Union at UMR has been named regional representative for the Association of College Unions International.

Kratzer will represent a four-state region comprised of Missouri, Kansas, Nebraska and Oklahoma on the executive board and will coordinate the regional conference to be held in December at Southwest Missouri State College in Springfield. He replaces Richard Blackburn, director of Kansas State Student Union, who is president-elect of the region.

Kratzer became director of the Student Union here in 1959. Previously, he directed the Student Union on the Columbia campus of the University.

## Bridge Tourney To Open Wednesday

The Interfraternity Council has scheduled its semi-annual bridge tournament for Wednesday, April 20.

Open to all fraternities on campus, competition will begin at 1:00 p.m. in the Student Union Ballroom under the supervision of Professor Cole of the Physics Department.

Last semester's winner of the IFC's traveling trophy was Kappa Alpha, followed by Kappa Sigma and Phi Kappa Theta in second and third place.

Any questions concerning the tournament should be directed to Brad Hornburg of Theta Xi.



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## Dr. Ralph Roberts to Deliver Geology Talk, Fifth in Series

Dr. Ralph J. Roberts, Senior Geologist with the U.S. Geological Survey, will speak on the Tectonic Framework of the Basin and Range Province at 7:30 p.m., April 18, in Room 104 of the Physics Building at the University of Missouri at Rolla. His talk will be the fifth in a series given by distinguished lecturers in a Colloquium following the theme "A Tectonic Cross-Section of the United States."

The series is sponsored by the V.H. McNutt Memorial Foundation and the U.M.R. Department of Geology. Talks center on an imaginary cross-section through the United States with emphasis on the major geological structural features of our country, such as ocean basins, mountains, Mississippi valley, and earthquake areas.

Dr. Roberts received his Bachelor's degree from Washington State University, his Master's from the University of Wisconsin and his Ph.D. from Yale. He has been with

the U.S. Geological Survey since receiving his Ph.D. in 1939 and his work has been primarily in investigation of mineral resources and geological work in the basin and range area, especially in the state of Nevada. He has also worked in Idaho and done mineral investigation work in Panama.

The general public as well as faculty and students is invited to attend.

## NOTICE!

The following courses will be offered at the St. Louis Graduate Engineering Center this summer. The fee for a three-hour course is \$82.50. Students interested in taking any of the following courses this summer should sign up for them in the Registrar's Office.

EM 302, EM 304, CE 328, EE 313, Math 357, Met 407, CE 418, EE 477.

## MILITARY COMMAND TECHNOLOGY

MITRE is chief technical advisor and systems engineer to the Air Force Electronic Systems Division of the Air Force Systems Command. In this capacity, we design and develop such global, computer-based systems as the NORAD Combat Operation Center and the Back-Up Interceptor Control System. Other commitments: development of a future air traffic control system and supporting the Defense Communications Agency in the development of the National Military Command System. We call this Military Command Technology.

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## KMSM Broadcasts Weather Conditions

KMSM, the student owned and operated FM radio station of UMR is now participating in the U.S. Weather Bureau's weather teletype communication system.

This system will make available immediate broadcast of local area weather forecasts, watches, warnings, bulletins and weather data. Of special interest to KMSM listeners will be the Weather Bureau's "Tornado Watches." Weather information may be obtained by calling 364-5201.

## NOTICE!

**SUNDAY MOVIE  
"THE CARDINAL"**

**Shows at  
1:00, 4:30 & 8:00 P.M.**

**STUDENT UNION  
BALLROOM**



## Noted "Ramsey Lewis Trio" To Be Next S.C. Lecture

In recent weeks the UMR Student Council, lead by Al Ponnwitz, have undertaken many activities and offered many suggestions for the betterment of UMR and the benefit of UMR students.

The Student Council will present its next general lecture on Monday, May 2. Featured at this performance will be the Ramsey Lewis Trio. They will present one show at 7:00 p.m. in the Rolla High School gym.

The Council also recently appropriated \$2,800 to be used for the purchase and installation of a new scoreboard.

Discussion arose in the Council concerning the present UMR library hours and how they might be improved. The Council then offered the following suggested

changes in the present library hours:

- a) Weekdays ... till 12:00 p.m.
- b) Sunday .... 2:00-10:30 p.m.
- c) Saturday ..... Same as now

It was announced that the annual Student Council banquet for retiring and new members will be held this year on Sunday May 8.

In coordination with the science fair being held on the UMR campus this weekend, the Student Council will award two \$100 scholarships to the entrants showing the most originality in their exhibits. A committee composed of Council members will serve as judges.

The Student Council, in its next meeting will elect new officers for the 1966-67 school year.

## Alpha Phi Omega Elects

The Beta Omicron chapter of Alpha Phi Omega is proud to announce its newly elected officers for the Spring and Fall semester of 1966. Elected were: Doyle Powell, president; Al Pfeuffer 1st vice president; John Caruthers, 2nd vice president; Bob Clynes; secretary; John Knepler, Treasurer; Rich Hahn, historian; John Munns, corresponding secretary; Lyndel Helmkamp, Sgt-at-Arms.

These new officers are busy at work initiating new programs of services and continuing worthwhile services of the past. Some of these include finishing up last minute details in the printing of A.P.O. desk blotters. This has been an annual service to the student body of U.M.R. and is now assured of continuing again next fall. Final

advertising is now being appropriated and printing will begin shortly.

The receipts are now in from the A.P.O. bookstore and they show that this semi-annual service to the students was completed very successfully. Receipts from the bookstore are usually used to help finance the desk blotters, but in addition, this year they are being used to construct a memorial in the form of an oil painting to honor APO's late sponsor, Professor Clifford Esbaugh who died of a heart attack on February 2, 1966. Professor Esbaugh was nationally known for his service to scouting in general and A.P.O. in particular. He was very instrumental in making of our chapter what it is today. In appreciation of his services the brothers of Alpha Phi Omega feel this is a fitting memorial.

These are some of the programs that the newly elected officers are carrying out.

## APO Blood Drive Again a Success

Dear Sir:

A most gratified "thank you" to the members of A.P.O., their president, Doyle Powell, and Robert Pahl, Chairman of the U.M.R. Blood Drive, for a very successful March visit of the Blood-mobile. The quota for this visit was 204 donors, but we went over the top by 94 donors. Of the 298 pints taken 194 were student donors.

Also, the following students unloaded and loaded the equipment: Robert Pahl, Clark Allen, Don Moyer, Collin Cuneo, Pat Harmon and Tony Conigliaro. This is a very necessary and appreciated service.

Our congratulations to Theta Chi for winning the trophy presented by A.P.O. Also Lambda Chi Alpha Fraternity, Theta Chi, and Sigma Pi Fraternity for winning the records presented by Radio Station KTTR for the first, second and third largest number of members giving blood at this visit.

Again "Thanks a Million."

Sincerely yours,  
Tansy J. Boorman  
Executive Secretary

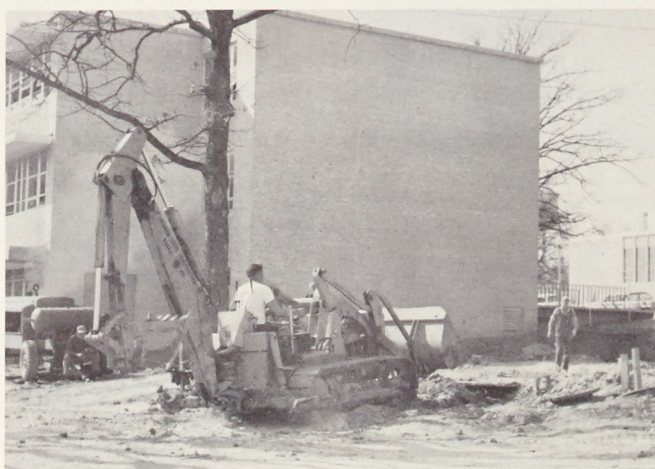
Alma Fuller, Chairman  
Blood Program

Mary Asher  
Co-Chairman  
Blood Program

## Progress at UMR...

### PHYSICS ANNEX

Work is underway on the new physics annex building at UMR. The east-west halls of the present physics building will be extended to Pine Street. The \$500,000 annex, designed by John Hohner, St. Louis, will house four research laboratories, office and equipment space.



Construction is progressing on the new Physics annex.

General contractor is United American Construction Co., St. Louis. Eckelkamp Electric Co., of Washington, holds the electrical work contract. Plumbing and heating for the annex will be installed by Associated Engineering Co., of St. Louis.

The building is expected to be completed by Jan. 10, 1967.

### NEW LIBRARY

Notice to proceed effective April 11 has been given the contractors for the new library at UMR. The new building will be erected on the site of the present Jackling Gymnasium. The gymnasium should be razed soon.

General construction for the library is contracted to Kummer Construction Co. of St. Louis. Contracts for plumbing and heat-

ing are with Associate Engineering Company of St. Louis and the electrical contract is with Eckelkamp Electric Co. of Washington. Murphy and Mackey of St. Louis are the architects.

The proposed library building is to be a four-story buff brick structure with 84,000 square feet

of Bishop Street. This continues the recognition of Mr. Daniel Cowan Jackling for his generosity in giving the University the land presently known as Jackling Field and now to be used for campus buildings.

### M. E. ADDITION

The U. S. Office of Education has approved a grant of \$213,975 for construction of a graduate addition to the Mechanical Engineering Building at UMR according to information received here from Missouri Senators Stuart Symington and Edward Long and Rep. Richard Ichord.

The Missouri State Assembly had previously appropriated \$900,000 toward this construction. The original request to the Federal Government was for \$225,000.

It is hoped that the architect's revised plans will be ready in time for consideration at the April meeting of the University of Missouri Board of Curators, Emmet Klinkerman, business manager said.

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

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## UMR Scabbard and Blade Chapter Inducts Six in Recent Initiation

Company B, 16th Regiment of the National Society of Scabbard and Blade conducted initiation ceremonies recently at UMR. Five UMR faculty members were initiated as associate members and one student as a regular member. The five faculty members were: Dr. T. R. Beveridge, chairman of the Geology Department, Major Fred V. Cole, of the Military Department, Dr. T. S. Fry of the Civil Engineering Department, Dr. H. H. Grice of the Chemical

Engineering Department, and Dr. E. M. Spokes, Chairman of the Mining Department. Robert Whelove a Senior in Mining Engineering was inducted as a member.

Scabbard and Blade is an honorary National Military Service Society with membership limited to outstanding Junior and Senior Cadets enrolled in the ROTC program. Scabbard and Blade with the Student Council, sponsors the Military Ball.

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## SAE Proves Driving Can Be Economical

The SAE Economy Run, held on March 26, was a chilly success. Ten drivers braved the cold wind and stiff competition to show that economical driving is possible. Gordon Wright, driving a Simca, won a trophy with 43.5 miles per gallon, while his competition, Charles McDaniel in an MGA, showed 40.0 miles per gallon, and Ed Johnson in an MGB turned in 32.7 miles per gallon.

A walk away in Class II was scored by Steve Johnson in a Ford Fairlane squeezing a fantastic 44.1 miles per gallon from his 170 cubic inch engine. Jim Cochran, driving a Chevy II, achieved 29.1 miles per gallon and Donald Ozburn produced 30.0 miles per gallon in his Chevy Biscayne.

Don Hutcheson won without trying in Class III with his 58 Chevy driving 25.6 miles per gallon. Don had no competition in his class but did turn in a good performance.

Class IV was very close to a tie with very good mileage by both a 352 cubic inch Ford and 389 cubic inch GTO. Myron Hodel's Ford with 22.19 miles per gallon barely edged out Bill Phelps' GTO which turned in 22.05 miles per gallon.

Professor Baumgartner also ran and without even trying turned in 18.55 miles per gallon. He, like everyone else, had a good time despite the weather.

Trophies will be presented to the winners at the next SAE meeting on April 21st.

## Wolfman to Speak At Wesley Meeting

The Wesley Foundation is currently sponsoring a series of programs of general interest to students on the "University in Transition." The first program, presented April 13, concerned the student protest movement in America. This Wednesday at 6:00 p.m. the series will continue with a talk by Dr. David Wolfman of the Chemical Engineering Department on the "American University in Transition."

In the following weeks, Dr. Ernst Bolter will speak on the "New Student in the European University," and a documentary film on the riots at Berkeley will be presented. All students are invited to attend these meetings at the Wesley House, 804 Main Street.

## UMR Accepts Science Foundation Grants

UMR has received two new National Science Foundation grants for research in the electrical engineering department.

A \$12,000 grant will finance research on "switching circuit theory," to be carried out under the direction of Dr. James H. Tracey, associate professor of electrical engineering. The grant will be in effect 15 months.

A grant for \$9,600 will be used for research on "Distributed Parameter RC Networks." Work will be under the direction of Dr. Edward C. Bertnolli, associate professor of electrical engineering at UMR. The grant will be in effect for one year.

## Eta Kappa Nu Initiates New Members; Jim McGinnis Receives Gamma Theta Award

Eta Kappa Nu is an electrical engineering honor society founded in 1904 at the University of Illinois for closer cooperation among students and others in the profession who by their attainments in college or in practice manifest exceptional interest and marked ability in electrical engineering. The Gamma Theta Chapter of Eta Kappa Nu was founded at UMR in 1952.

On the evening of March 25, 1966, the chapter held its annual spring initiation ceremonies at the Lion's Club Den. Twenty-one undergraduates were initiated.

They were: Ronald L. Altman, Garry Brown, Wallace E. Deshon, Robert Duncan, Don Kenneth Durand, Clyde Leroy Finch, Matthew C. Gulick, James Lee Hamilton, Gerald E. Hefferly, David D. Hoilman, Donald G. Kasten, George L. Long, Jimmie McGinnis, Robert L. McLain, Laird H. Moffett, Wilford Pomeroy, David L. Rushing, Kirby C. Watson, David W. Weinrich, and John D. Wolf. One graduate student, Dan M. Neal, was also initiated.

The Gamma Theta Scholarship in the amount of \$200 was presented to Jim McGinnis. Outstanding Pledge Award of \$20

went to James Lee Hamilton, and Best Plaque Award of \$5 was given to George L. Long.

Speaker of the evening was Mr. Floyd M. Drummond, Project Manager, J-2 Engine, Office of Industrial Operations, Marshall Space Flight Center. Mr. Drummond who is a charter member of Gamma Theta Chapter spoke on the Apollo Program. A guest at the evening ceremonies was Mr. Timothy O'Connell, Coordinator Information and Education Division, Marshall Space Flight Center.

## IFC Participates In Easter Seal Drive

Members from each of the school's twenty fraternities, under the sponsorship of the UMR Interfraternity Council, participated in the Phelps County Easter Seal campaign last Tuesday and Wednesday evenings. The IFC annually assists Professor Karl Moulder, chairman of the local Easter Seal Society, in this endeavor.

Door to door collections received from local residents in the drive will be used by the Society in its fight against crippling diseases. A good portion of the funds will go to aiding local crippled children, in obtaining specialized treatment in St. Louis.



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# Phi Eta Sigma Holds Initiation Dames Elect Officers, Announce Spring Events

Forty-one students at UMR were recently initiated into Phi Eta Sigma, the national honor fraternity for freshmen. To be eligible for the honor, a student must have a 3.5 or better grade point average with no grade lower than B.

Three honorary members who were initiated were as follows: Dr. Roger E. Nolte, chairman of the department of electrical engineering; Professor R.F. Davidson, chairman of the department of engineering mechanics; and Dr. William J. James, professor of materials research and director of the Graduate Center for Materials Research.

The students who were initiated are as follows: Larry Addington, Ronald Anderson, Davis Simmons, Steven Ban, Daniel H. Kruvand, John Barnes, Ralph Howard

Berglund, Jerry Keith Fuller, Michael J. Knenlein, James F. Watkins, Jr., William D. Webster, Jr.

Paul Dean Black, Gregory M. Murray, John F. Reed, Jr., David A. Ryan, J.S. Spitzmiller, Bruce Maxwell Bulmer, James Edward Cahalan, Steven Richard Carl, Kenneth Litteken, Ronald Englebrecht, Steven J. Kaiser.

Robert J. Livengood, Jerry Lyle Graham, David Vernon Grayston, Phillip Gary Hamner, Michael H. Hartung, Gerald Wayne Hitt, Lawrence E. Hoenig, Charles E. Huebner, Edward A. Mueller.

William Ben Olsen, James K. Scheublein, Allen L. Townsend, Jr., Douglas A. Whithaus, Darrel A. Mank, Robert E. McDavid, Robert M. Nicodemus, A.I. Rosenkoetter, Vicent J. Sunderdick, Thomas L. Zenge.

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On Monday, April 4, University Dames held their third meeting of the semester. The new officers for the coming year were elected and they are as follows:

President, Mary Lou Morrison; Vice-President, Betty Perry; Second Vice-President, Jean Foster; Recording Secretary, Judy McGinnis; Corresponding Secretary, Virginia Meyers; Treasurer, Bernice Berg; and Finance Chairman, Barbara Sotta.

Jean Foster, Chairman of our April "Outing," announced that it

will be held April 24 at 2:30 p.m. in the second pavilion in Lion Park.

Kathy Vest, Chairman of our May Banquet, urged all Dames to buy tickets for the banquet which will be held May 5. The theme of this semester's banquet is "South Pacific."

Mrs. Leola Millar, who is head librarian at the Rolla Public Library, concluded our evening with her interesting and lively interpretation of "On and Off Broadway

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# UMR Linksmen Win in Openers

## MINER SPORTS

FRIDAY, APRIL 15, 1966

THE MISSOURI MINER

PAGE 7

## Wash U. and Evangel Fall to Glazier's Squad

"We haven't even been having golf weather yet!" Varsity golf coach Bud Glazier had this to say when asked for comment on the progress of the 1966 UMR Linksmen. Considering the recent weather conditions in this area, it's pretty safe to say that the Miner squad is doing just fine with a two-win, one-loss record so far this season. The first two matches of the schedule were won

The golf course at Central Missouri State was still under construction with sod just laying in place, but Coach Glazier still contends that the Miners should have won. Steve Coats was the medalist with a 74, and Fred Parks also defeated his man for the only two UMR wins. The final score was 11-7 for CMS. Rain hampered the final two holes of the match.

## Miner Hurlers Falter as Season Progresses; Mark Stands at 4-3

In spite of bad weather dampening their pre-season workout and only four starters from last year, the Missouri Miners started off their baseball season with two wins over Evangel College. The Miner team is showing some new faces with good talent. Coach Leo Christopher's squad is not only showing talent on the playing field, but also in the class room with a team grade point average of 2.65.

In the first game with Evangel the miners showed some good pitching while downing their opponents by the score of seven to two. Ken Shuey, pitching for the Miners totaled seven strike outs during this game. The second game with Evangel had a climactic point when Larry Jackson, a new face to the Miner roster, hit a grand slam home run in the bottom of the sixth to help his team to a twelve to four victory.

The next scheduled games had the Miners playing McKendree College in a double header. The Miners took the first game but fell to McKendree in the second. The first game, nip-and-tuck all the way, had McKendree getting one run off of pitcher Shuey's

four hit game. Going into the last of the seventh with a tie ball game with one man on base and no outs, Miner second baseman Andrews doubled to score the winning run.

In the second game with McKendree the Miners had five runs off of eight hits while McKendree had eleven runs off of eight hits. The Miner pitchers seemed to lose the plate as they totaled up ten walks during the game.

In the following three games, the Miners played host to Southwest Missouri State College. During this three game series over the Easter vacation, the Miners fell

twice to the hard hitting Springfield team. The Miner nine lost the five two games to Springfield by some big scores: fifteen to five, and eleven to nothing. UMR came back in the last game of the series to take Springfield to two. In the three game series, Springfield's big sticks came up with thirty-two hits compared to the Miners eleven.

The Miners next game has them traveling to St. Louis on Saturday April 16 to face Harris Teachers College. This first encounter with Harris should prove a critical point to the Miners. Harris has picked up some strength over last year and it might make it a hard win for the Miners.

## Tennis Team Shuts-Out Evangel in First Match

By Jim Strzelec

Coach Ray Morgan had a good turn out for tennis this spring with over a dozen able men fighting for positions. Hank Montrey and Rich Whelove are the only two lettermen returning from last years team. These two men will

form the foundation of what promises to be a better than average team this year.

This year's schedule seems tougher than last with the Miners adding two new teams. The schedule will be as follows: Kirksville Tourney, April 15 & 16; Washington University, April 19; Concordia Seminary, April 22; McKendree College, April 23; Westminster College, April 26; SWMS, Springfield, April 28; MIAA Conference Meet, May 13 and 14.

Varsity tennis competition started for UMR last Thursday, March 31 at Drury College of Springfield. The Miners made a fine showing and were finally edged out by Drury 5-4. The scoring in singles went like this: Bob Whelove, UMR, lost to Steve Grace, Drury, 6-3, 6-0. Hank Montrey, UMR, lost to Harry Crisswell, Drury, 6-1, 6-3. Ken Link, UMR, lost to John Damgaard, 6-1, 6-3. Danny Sabo, UMR, defeated Rich Case, Drury, 4-6, 6-1, 6-2.

Jerry Bridges, UMR, lost to John Neal, Drury, 6-3, 4-6, 6-3. Larry Estes, UMR, defeated John Schrade, Drury, 6-2, 6-13. In doubles Whelove-Montrey, UMR, defeated Grace-Case, Drury, 6-2, 11-9. Link-Sabo, UMR, lost to Damgaard-Crisswell, Drury, 6-1,

(Continued on Page 8)

### UNIVERSITY OF MISSOURI AT ROLLA

#### VARSITY BASEBALL SCHEDULE

Saturday, April 16	Harris Teachers College—There	1:00 p. m.
Friday, April 22	SEMS, Cape Girardeau—There	3:30 p. m.
Saturday, April 23	SEMS, Cape Girardeau—There	1:00 p. m.
Saturday, April 30	Harris Teachers College—Here	1:00 p. m.
Friday, May 6	SWMS, Springfield—There	3:30 p. m.
Saturday, May 7	SWMS, Springfield—There	1:00 p. m.
Friday, May 13	SEMS, Cape Girardeau—Here	3:30 p. m.
Saturday, May 14	SEMS, Cape Girardeau—Here	1:00 p. m.

## Griefzu Leads Sig Ep to Bowling Title

Totalling just over two thousand eight hundred team points, Sigma Phi Epsilon has emerged as champion of the 1966 intramural bowling tournament held two weeks ago. The two-day event was held at Colonial Lanes in Rolla.

Leading Sigma Phi Epsilon to the title was high series man Rich Griefzu. Griefzu dropped 606 pins for three games, and Don Rothburn of the Tech Club was runner-up with 603.

The Baptist Student Union was second to Sig Ep's 2806 with a total of 2653 for the series. MRHA was third in the overall competition with 2587.

Totals for this year did not quite match the record-breaking marks of last year when Jozwik smashed the individual high series with 680. The Engineers Club totaled 2886, setting an all-time record for the number of pins dropped by a team.

Intramural points gained by an organization entered in bowling decreases by five points for each place, with 150 as the top award.

### NOTICE!

The Traffic Safety Committee wishes to advise the faculty, staff, and students parking on campus that the razing of Jackling Gym began Monday, April 11, 1966. That section of 14th Street west from Building T-4 will be barricaded. No parking will be permitted. Delivery vehicles will have access.



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## Sports Calendar

### VARSITY TRACK

April 27 ..... Westminster College, at UMR

### VARSITY GOLF

April 15 ..... Drury College, at Springfield

April 16 ..... Concordia Seminary, at UMR

### VARSITY TENNIS

April 15 & 16 ..... Kirksville Tournament

April 19 ..... Washington University, at UMR

### INTRAMURAL SPORTS

April ..... Softball, horseshoes, and tennis doubles continue.

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## Miner Cindermen Look for Victory Against Westminster

The Miner Cindermen have yet to find victory on that new track over by the new athletic fields, and both Evangel and Washington University have chalked-up wins in the first scheduled meets of the spring season. Evangel edged by the Miners 75-70 in a match on April 2, and the Washington U. Bears trounced UMR 99-42 on April 7.

Although the Miners took eight events during the day, Evangel managed to win just one more and this made the big difference. The Miners took nine seconds.

The Mile Relay squad of Don Duren, Tim Shanholtzer, Don Arney, and John King ran the course in 3:34.7 to take the match over Evangel. Paul Woley took the shot put event with a toss of 47 feet, 6 1/4 inches. Miners Lewis

and Marshall Faintich placed second and third.

Evangel's Battey won both the mile and the two-mile run, while Ron Tracy and Stan Notestine placed second and third in the former and the reverse in the latter.

**John King won the 440-yard dash with a time of 51.2, and David Gray took the 120-yard high hurdles in 17 seconds. Don Duren won the 880 in 2:06.9, and Paul Weitzel placed first in the 440-hurdles with a mark of 61.4.**

UMR placed the first places in the discus throw, with Steve Beard leading in the top spot (125 feet, 5 1/2 inches). Evangel took all the top spots in the high jump competition, and January won the broad jump for Evangel.

Washington University had too much distance strength for the Miners in the 99-42 loss. This second contest for the Miners was the season's first for Washington University.

Eugene Ricker and Paul Woley each won two events against the Bears, and Dave Gray and John Brandt also won their events to give UMR six first.

Ricker won the 100-yard dash with a time of 10.0 seconds, and the promising Miner ran the 220 in 23.9 to place first. Woley won the shot put and the discus throw with distances of 46 feet, 9 1/2 inches, and 129 feet, 5 inches, respectively.

Brandt pole vaulted 9 feet, 6 inches, and Gray ran the 120-yard high hurdles in 16.1 seconds.

Wednesday of this week, Central Missouri State of Warrensburg visited the Miners. Westminster College will oppose the UMR squad on April 27.

### TENNIS SQUAD WINS

(Continued From Page 1)

6-3. Estes-Bridges, UMR, defeated Neal-Schrade, Drury, 6-2, 6-3.

The Miners came roaring back when they faced Evangel this past April 2. They swamped the opposition 9-0 to square their record at 1-1. Scoring in singles went as follows: Bob Whelove, UMR, defeated Mike Kilgore, Evangel, 6-3, 6-3; Hank Montray, UMR, defeated Joe Ferrante, Evangel, 6-4, 6-3; Ken Link, UMR, defeated Lynoel Verving, Evangel, 6-4, 2-6, 6-0; Dan Sabo, UMR, defeated Rich Williams, Evangel, 6-3, 6-2.

Jerry Bridges, UMR, defeated Bob Heide, Evangel, 6-0, 6-1; Larry Estes, UMR, defeated Dennis Henderson, Evangel, 6-0, 6-0. The Miners also swept the doubles matches with Whelove-Montray, UMR, defeating Kilgore-Verving, Evangel, 6-2, 6-4. Link-Sabo, UMR, defeated Ferrante-Duane-Heechteman, Evangel, 6-8, 6-3, 7-5. Bridges-Estes, UMR, defeated Markley-Henderson, Evangel, 6-1, 6-1.

## Planning and Leadership Place MIAA Among Best

By Jim Strzelec

The MIAA was originally composed of five teams: Central Missouri State College of Warrensburg, Northeast Missouri State Teachers College of Kirksville, Northwest Missouri State College of Maryville, Southeast Missouri State College of Cape Girardeau, and Southwest Missouri State College at Springfield. In 1935, the Missouri School of Mines and Metallurgy was admitted to the MIAA to make it a six team conference.

The MIAA Conference is recognized as one of the finest conferences in the nation. This is due to wise planning and able leadership of the conference members.

The MIAA Conference was one of the first to adopt a code to govern themselves in all phases of the conference athletic competition. The committee responsible for this code was composed of the following members: Irvin L. Peters, Chairman, Warrensburg; Willard J. Graff, Springfield; Felix Rothschild, Kirksville; J. A. Steinmeyer, UMR; Herbert Dieterich, Maryville; W. T. Doherty, Cape Girardeau.

The rapid and sound growth of the conference may be attributed directly to these men. These men set the code for the conference which may be expressed best by the Preamble of the Conference Athletic Code, which says:

"The Conference believing that competitive physical activities conducted in a wholesome environment, have significant educational values, is organized to maintain a compact group of institutions of higher learning for the purpose of governing intercollegiate athletic competition with the aim of making athletics a part of the total educational program of the member institutions. It is intended to foster friendly sportsmanship, to allay rumor and mistrust and to maintain an intercollegiate athletic program that is part of and in proper perspective with the total education program of the member institutions."

Why has the MIAA Conference grown so rapidly and remained so solid? Possibly because the State of Missouri has had foresighted

Legislatures who have seen the needs of the student and provided the facilities for school growth. The MIAA's success may be attributed to excellent leadership and well rounded coaching staffs. The Conference has well conceived eligibility rules, athletic code and conference procedure which has been adhered to by members. Finally the fact that the conference insists all member schools participate in those sports designated as conference sports.

At the present time the intercollegiate sports in which all MIAA schools participate are: Football, Basketball, Indoor Track, Outdoor Track, Cross Country, Golf and Tennis, Baseball and Swimming. This year is the first time Baseball and Swimming have been recognized conference sports.

(The history of the MIAA will be concluded next week.)

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## SIDELINES

BY JIM WEINEL



Most of today's students will agree to the common misconception that the majority of college athletes have relatively low academic standards and grade points. Not so on this campus as shown by the results of last semester's work. All UMR varsity athletes compiled an average of 2.4 plus for the semester, and that's something to hoot about! Even more outstanding is the 2.65 average for the Miner grapefruit squad currently sporting a 4-3 mark in 7 games. These facts are indicative of the high calibre of student athletes which the University of Missouri at Rolla recruits and signs.

Although Paul Woley placed only fifth in the shot put event at the MIAA Indoor Meet at Columbia weeks ago, his 47-foot, 8 1/2 inch throw was enough to better the old school mark set back in 1960. Bob Kauffman held that record with his distance of 47 feet, 2 inches. Don be surprised if there are quite a few track records set at the UMR course this year — after all, this is the first season for the new track.

At this writing, word has been received of the "go-ahead" for construction of the new UMR Library. Take a long, last glance at the Jackling Gym next time you pass by, it'll be the last you see of the sturdy structure which served the University since 1915.

Midwest weather conditions often play havoc with varsity schedules, and now that outdoor intramurals are back on the scene, the same is true for them. Those organizations which found their softball games cancelled last week because of cold weather will find them scheduled for play immediately after the close of the regular season.

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

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