



21 Nov 1974

The Missouri Miner, November 21, 1974

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missouri miner

the missouri miner

rolla, missouri



volume 61, number 13

thursday, november 21, 1974

dave loggins to perform

Dave Loggins will present a concert Saturday, Nov. 23, at the University of Missouri-Rolla Multi-Purpose Building.

The program is sponsored by UMR's Student Union Board and begins at 8:15 p.m. It features Loggins, accompanied by three musicians.

The 26-year-old recording artist is a native of Tennessee. He began his career as an engineering student but decided to switch to writing and performing music.

Loggins' latest hit is "Please Come To Boston," a single record on Epic Records. "I wrote that song for everybody," he says. "Anybody who's traveled a lot and misses where he's from — whether it's Tennessee or anywhere."

Tickets are \$1 each for UMR students with valid I.D. CARDS (two tickets per I.D.) or \$2 each for general admission. Tickets will be on sale from 9:30 a.m. to 4:30 p.m., Monday through Friday, Nov. 18-22, in the lobby of the Student Center.

They will also be available in the Multi-Purpose Building Nov. 23, on the night of the concert. Doors open at 7 p.m.

Despite the lyrics to his new song, DAVID LOGGINS is, in fact, thinking about settling down.

His musical career is clicking, he's in love with a pretty girl, and in his 26 years, he's never liked any place as much as Tennessee.

"I've been out on my own since I was about 19, but it was always apartments and parties and drinking and having a good time," he said. "Now it's taking on

a more serious vein. Like children. Until a year or so ago, I had never given a thought to having kids. Now I want my own house and my own furniture."

Nevertheless, the feelings of wanderlust which inspired "Please Come To Boston" once were just as real as the success the song is currently finding. It has been the number one song in Nashville for over a month. In the trade magazines, the record is listed in the top 50 and climbing rapidly.

It's a simple song. Three verses and a bridge. It tells of a young man who visits three cities — Boston, Denver and Los Angeles — and finds beautiful things there. He asks his girl back home to join him, but she refuses, urging him to return to Tennessee.

LOGGINS' life as a drifter ended about the same time as his days of searching vainly for musical recognition. Scurrying out to the West Coast for a "Midnight Special" taping or burying himself in the studio to complete a much-needed album, he has been hard-pressed to pursue either of his old pastimes. Such has been the death of many good songwriters and the unveiling of as many more.

DAVE LOGGINS tasted success once previously and lived to write again. His first work to gain national attention was "Pieces of April" which exploded for Three Dog Night and was recorded later by Andy Williams.

"It was the first big thing that I had gotten cut, and it was just super-big," he recalled. "I thought, 'Gosh! I've never been in the charts before. I don't know what to think about this.' I got to

watching the charts and I did what a lot of writers do — get over confident or excited..."

"It really spins your head around. You have to take time to figure it all out. You go through all kinds of changes, and if you don't want to lose it, you have to re-arrange yourself considerably. But I'm back — that's the way I look at it."

LOGGINS attended high school in Bristol and tried a couple of quarters at East Tennessee State University at Johnson City. He had thought he wanted to be an engineer, but that was before he decided to gamble everything for a career in music. In between, he found plenty of time for traveling, working odd jobs, and living in Florida for a year.

Now that his wheels are spinning as a singer-writer, LOGGINS is trying to take things in stride. "I don't look at the music business as a place to become a star, as the word is applied, because I don't give a damn about being a star," he asserted. "I do think I have a talent, although it only comes up once in a while."

He said his goal is "to write things that people can share."

"I can write things that I love and enjoy, but at the same time, I'm writing them for other people — because they can't say those things for one reason or another. They love to hear somebody say it for them, just the same."

LOGGINS' name is causing some confusion, not necessarily harmful, as

Continued on Page 3

Ugly Man Is Rolling

Theta Tau will again sponsor its Ugly Man contest for the '74-75 school year. The Ugly Man contest is a fund raising effort by the UMR students to help the underprivileged in Phelps County and surrounding areas.

Ugly man is not unique. It has counterparts on campuses all over the United States where college men and women organize to raise money for a worthy cause.

In the past Ugly Man funds have been given to needy families to help pay doctor bills, dentist bills, and for expensive prescription medicines. Ugly Man funds have been donated to the Rolla Skillbuilders School, Rolla Diagnostic Center, Phelps County Health Department. In general Ugly Man strives to help the needy and disadvantaged people of the Phelps County area.

But it is not just the work of Theta Tau that makes this possible. It is the work of the students of UMR and the work of the Ugly Men in each organization. It is YOUR work that makes Ugly Man possible.

In the past few years, Ugly Man has not been as successful as it was in years before. So this year, Theta Tau is going to try and reverse that trend. Proceeds from this year's Casino Night will go to the Ugly Man fund. Ugly Man Chairmen Tom Meyer and Vern Boehme are holding regular meetings with the organizational Ugly Men, giving them new ideas and keeping a closer eye on Ugly Man's progress.

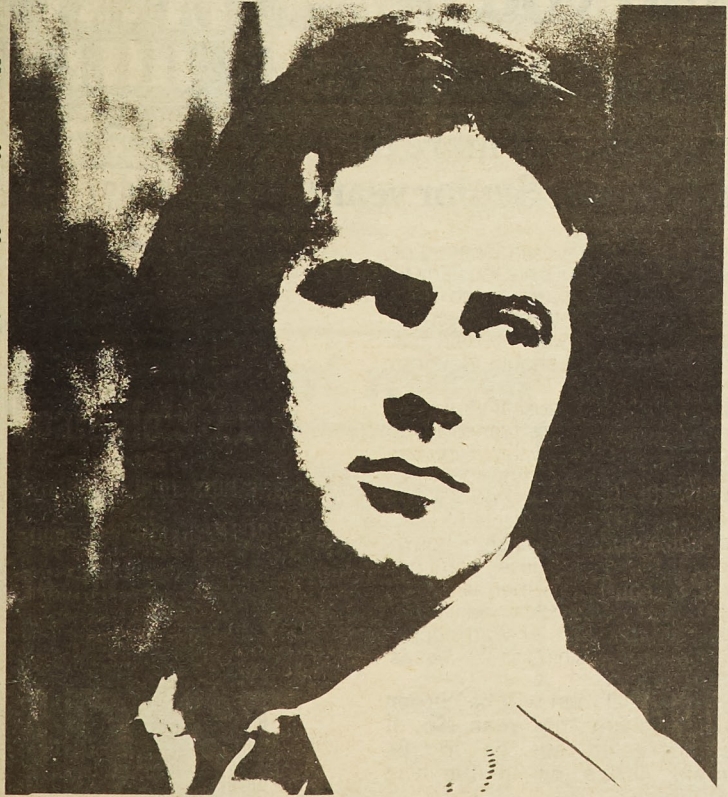
Ugly Man is not just for organizations too. Individual efforts are not only welcome, but encouraged. As an example, several years ago, one man charged admission to his own head-shaving ceremony; proceeds to Ugly Man. You don't have to go to such extremes, but one man's efforts can bring a lot of money.

Theta Tau encourages all organizations (you'd be surprised how many don't participate) and any interested individuals to help the Ugly Man cause. If you are interested call Tom Meyer at 364-9818 or Vern Boehme at 364-8575 or any member of Theta Tau.

1974-1975 UGLY MEN

Acacia
Alpha Epsilon Pi
Delta Sigma Phi
Alpha Phi Alpha
Beta Sigma Psi
Delta Tau Delta
Kappa Alpha
Kappa Sigma
Lambda Chi Alpha
Phi Kappa Theta
Pi Kappa Alpha
Pi Kappa Phi
Sigma Nu
Sigma Phi Epsilon
Sigma Pi
Sigma Tau Gamma
Tau Kappa Epsilon
Theta Zeta
Triangle
Kappa Delta
Zeta Tau Alpha
Campus Club
Engineers Club
Tech
MRHA
WRHA

Participating (not yet elected)
Eric Hirsch
Not Participating
Not Participating
Not Participating
Ed Doss
Roeland Poertner
Not Participating
Not Participating
John 'Whop' Vallar
Bob Schnell
Not Participating
Larry Molina
Kurt Kinnevan
Not Participating
Participating (not yet elected)
Participating (not yet elected)
Not Participating
Not Participating
Jill Hansbrough
Participating (not yet elected)
Rick Pegatoff
Participating (not yet elected)
Participating (not yet elected)
Jeff Lux
Participating



DAVE LOGGINS

bullboard

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ARM WRESTLING CONTEST

Delta Sigma Phi is sponsoring the first annual UMR Arm Wrestling Contests on December 3 at 6:30 p.m. There will be five weight categories for the Joe Miners and three weight categories for the Josephine Miners. Awards will go to the top two finishers in each weight category of this single elimination tournament. A plaque will be awarded to the organization with the most points per capita.

Entry forms are available at the candy counter in the new Student Union or from Rick Yelton at Delta Sig. The entrance fee is \$1, and all proceeds of the event will go to Theta Tau's Ugly Man. Entries are due by December 2.

So come out, and let's show all those huge, and not so huge, biceps working for the UMR Ugly Man. For more information call Rick Yelton at Delta Sigma Phi at 364-4289.

FREE GIFT PAX

The Student Council with the assistance of the University Center candy counter is distributing free gift pax to all UMR coeds.

The pax contains such items as aspirin and shampoo. You may pick them up anytime between now and November 26.

TECH CLUB PARTY

Saturday, Nov. 23. There is a party at Tech Club after the Dave Loggins concert. Admission is some type of canned food to be used for needy families.

INTERVIEW SIGNUPS

Signup dates for companies coming during the first week of December will be held before Thanksgiving vacation.

ST. PAT'S CAMPUS SALE

St. Pat's campus sales will begin on Monday, Dec. 2, in the Student Union. Sweatshirts are \$5.00 and garters are 75 cents. Get your St. Pat's parapherna now.

SUB CHARITY DRIVE

The Hospitality committee of the Student Union Board conducts a charity drive for a needy family in Phelps County. Donations of canned goods or money will be accepted at the SUB coffeehouse Friday and at the movie "Executive Action" at Centennial Hall, Sunday.

RUMMAGE SALE

Need a place to sell your junk, or want to add to the collection you already have? Well then, come to the Sigma Tau Gamma Rummage Sale. Name your price and we'll try and sell it. The Rummage Sale will be held at the Sigma Tau Gamma Fraternity on Saturday, Nov. 23 from 10-5 and Sunday, Nov. 24 from 12-5. Any and all donations will be accepted. For information call 364-9762.

STUDENT COUNCIL REFERENDUM

The Student Council is running a referendum Thursday, Nov. 21 (today) in order to determine student opinion on certain subjects. Some of the subjects include the proposal of a 24 hr. snack bar, 24 hr. open house of UMR controlled housing, and who should be running the evaluation, the students or the administration. The Student Council must have your opinion before it can take action. Stop by the University Center or Library foyers between 9:00 and 4:30 and turn your opinion into action.

calendar of events

NOV. 22 — Astronomy visitors' night, department of physics openhouse at new 16-inch telescope located on the northwest edge of the campus, 7 to 9 p.m. Children are welcome but must be accompanied by an adult.

NOV. 23 — Football, Southwest Missouri State University, 1:30 p.m., Jackling Field. Admission charged.

NOV. 23 — Swim meet, Drury College, 7 p.m., Multi-Purpose Building. Free.

NOV. 23 — Student Union Board concert, David Loggins, 8:15 p.m., Multi-Purpose Building. Admission charged.

NOV. 30 — Basketball, University of Wisconsin-Stevens Point, Multi-Purpose Building, 7:30 p.m. Admission charged.



STUDENT UNION BOARD EVENTS

FRIDAY, NOV. 22 — COFFEE HOUSE — 7-12 p.m. Snack Bar Old Student Union

SATURDAY, NOV. 23 — CONCERT — DAVE LOGGINS Multi-Purpose Building

SUNDAY, NOV. 24 — MOVIE — Executive Action 4 and 6:30 Centennial Hall

CHRISTMAS PARTY

Traditional Christmas music ranging from 15th century madrigals to selections from Handel's "Messiah" will be presented in a new setting this year by members of the University of Missouri-Rolla Chamber Choir and University Choir.

Saturday, Dec. 13, the Centennial Room of UMR's University Center will be converted to an "Olde English Dining Hall." The audience will partake of roast beef au jus, Yorkshire pudding, steaming apple cider and other traditional English fare while being entertained by musicians in appropriate costumes.

Dinner begins at 6:30 p.m. and is followed by a program presented by members of the two choirs. Cost is \$6.50 per person. For an evening of good food, good song and good fellowship during the Christmas season call 341-4294 or 341-4295 to make reservations. Reservation deadline is Monday, Dec. 2.

interviews

NOVEMBER 22

Midrex Corporation
Los Angeles County
General Tire & Rubber Company
Baslev Electric Company

DECEMBER 3

Atomic Energy Commission
AMOCO Production Company

DECEMBER 4

AMOCO Proudetion Company

NOVEMBER 26

ACF Industries Inc.
WKM Valve Division
Baltimore Gas and Electric Company

DECEMBER 6

H.K. Ferguson Company

DECEMBER 5

AMOCO Production Company

SHOW! LATE SHOW! LATE SHOW! LATE

SAT. NITE ONLY!

RITZ

TELEPHONE 364-1299

Open 11:00 Late Show 11:30 p.m.

"X" Rated No One Under 18 Admitted

ADULT LATE SHOW!

"THE PIGKEEPER'S DAUGHTER"

"X" Rated "X" Rated

A HARRY NOVAK PRESENTATION

SHOW! LATE SHOW! LATE SHOW! LATE

Could you be a nuclear expert?
(If so, you could earn more than \$500 a month your Senior year.)

Even if you're a Junior engineering or physical science major, it's not too early to start thinking about your career. And if you think you've got what it takes to become an expert in nuclear power, the Navy has a special program you should look into right away.

Why right away? Because if you're selected, we'll pay you more than \$500 a month during your Senior year. (If you are presently a Senior, you can still join the program. We'll begin paying you \$500 a month as soon as you are selected.)

What then? After graduation, if you're selected to be a nuclear officer, you'll get nuclear training from the men who run more than 70% of the nuclear reactors in the country—Navy men. And an opportunity to apply that training in the Navy's nuclear-powered fleet.

Only about 200 men will be chosen for this program this year. So, if you're interested see us in the Placement Office or in the Old Student Union.

Be someone special in the Nuclear Navy.

UPTOWN
TELEPHONE 364-1857

NOW!

OPEN 6:30
SHOWS 7:00-9:00

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Joy Cocks
Time Magazine

THE THREE MUSKETEERS

PG TECHNICAL COLOR® PRINTS BY DE LUXE® 20th CENTURY FOX

RITZ
TELEPHONE 364-1299

NOW!

ADULT LATE SHOW!
Open 11:00
Late Show 11:30 p.m.
"X" Rated No One Under 18 Admitted

THE FURTHER ADVENTURES OF A LADY OF PLEASURE!



AROUND THE WORLD WITH FANNY HILL

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CO-HIT!



Tales that Witness Madness
R Color A Paramount Picture

miner news

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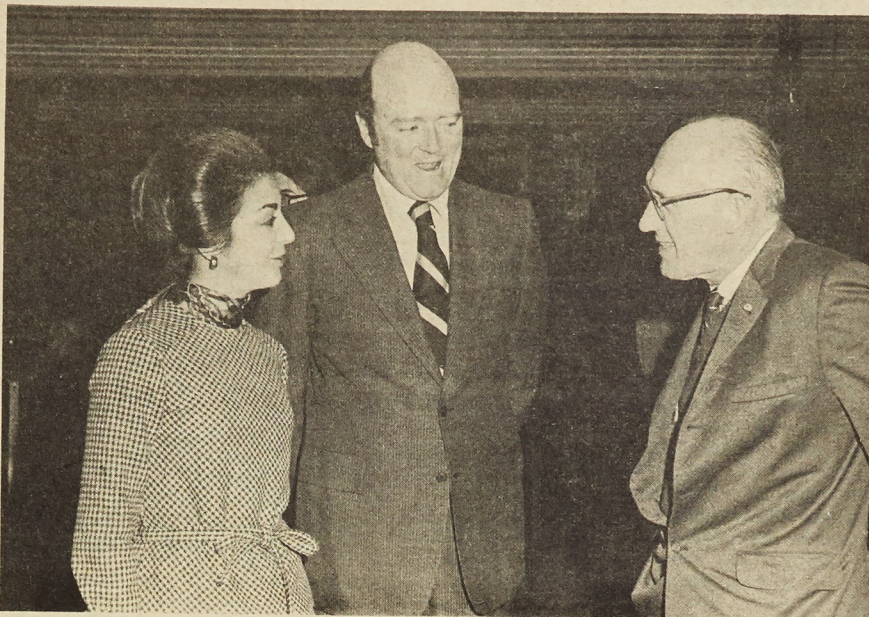
62 Into Tau Beta Pi

The Missouri Beta Chapter of Tau Beta Pi held its fall semester initiation banquet last Saturday, November 16, at the Manor Inn. This affair concluded the day which saw 62 new graduate and undergraduate members inducted into Tau Beta Pi. In addition four Guest of Honor Eminent Engineers were present. They are Leland F. Belew, Manager of the Skylab Program, N.A.S.A., Huntsville, Alabama; Robert M. Brackbill, President of the Alumni Association and Senior Vice President for Texas Pacific Oil Company; David R. Cunningham, Assistant Professor of Electrical Engineering, University of Missouri-Rolla; and John M. Depp, Directors of Engineering for Monsanto in St. Louis. Other distinguished guests in attendance were Chancellor Bisplinghoff; Dean of Engineering, Stuart Johnson;

Associate Dean of Engineering, Bill Atchley; and Frank Mackmon, Director of Alumni Affairs.

Master of Ceremonies for the dinner, chapter president, John Campbell introduced the speaker for the evening Lt. Governor William Phelps. The Lt. Governor spoke on the Role of the Engineer in Society Today. Following the talk each new member was introduced and the Best Pledge Award given to James W. Crumper Jr.

This semester's officers and advisors are President, John Campbell; Vice President, Hank Birk; Corresponding Secretary, Richard Larkins; Recording Secretary, Jeff Bertram; Treasurer, Dave Wisch; Cataloguer, Tom McGowan; Faculty Advisor, Ron Fannon; and Advisory Board Members, Leon Herzhkowitz, Charles W. Remington and Bob Wellek.



Missouri Lt. Gov. William Phelps and his wife Joan, left, chat with UMR's chancellor, Dr. Raymond Bisplinghoff, at the annual Tau Beta Pi banquet. The event was held Saturday night at the Manor Inn.

DAILY NEWS Photo

spelunkers

Last Saturday the MSM Spelunkers Club lead two caving trips for 12 girls from Cotter College. The group was split in half so that one cave would not have too much traffic in it. The main activity for one group was to pick up bottles, cans and various other trash found in a cave near Waynesville. After an hour and a half of picking up and hauling, the cave was reasonably clean. The job was made easier by some members of the Club that hauled most of trash from the back of the cave toward the entrance two weeks ago. The net result of this was one pick-up truck full of junk. It was a job well done that needed to have been done long ago.

During the exploration of the cave, many examples of cave vandalism were pointed out. Broken formations and writing on the walls were the most abundant besides the litter. Acts such as these are condemned by the Spelunker's Club and by any other self respecting caver.

After a little mud scraping and a clean change of clothes, lunch was enjoyed along Roubidoux Creek, the end of a good caving day.

Academic Council

The Academic Council has approved the revised class calendar submitted by the UMR Student Council. The original 1976-77 calendar had been approved by the Academic Council but met with great opposition by students concerned with the scheduled Easter vacation. The original calendar called for the Friday before, and the Monday-Tuesday after Easter to be vacation days. Many students complained that this was not enough time to get home and have a relaxing vacation. Student Council president Marty Reynolds announced that the new calendar will give the week before Easter as days off with classes resuming the day

dave loggins

harmful, as the pop audience becomes acquainted with this new face. It happens that Kenny Loggins spread his name around first, as half the Loggins and Messina team, well known to top-40 listeners.

"It's probably an asset," the Tennessee man smiled. "Most people don't know the difference, and when they hear the name 'Loggins,' they say, 'It's either him or his brother.'

after. "Although 1977 is a long way off," announced Reynolds, "we had to take action now because the calendars are approved two years in advance." The revised calendar must now go to the Board of Curators for final approval.

Every deejay in the country probably will notice it."

But the name possibly had an even greater influence on his career. The brother of Kenny Loggins, Dan Loggins, who is a CBS Records executive in England, heard the name and attended a performance of DAVE LOGGINS. The executive was impressed, and was influential in arranging a recording contract with Epic.

Until possibly later summer, fans will have to be content to buy either the old album or "Please Come To Boston" as a single. LOGGINS is still working on material for his first Epic album, and he's not letting it go until he feels right about it.

"I want to do an album that's really good, so that five years from now I can look back on it and feel good. Not because I want to sell a half-million copies, but because it's got good stuff on it. I'm very personal about things. I've got to be impressed first, before I can care about anybody else being impressed."

Previously, he said he had been working with producers at Vanguard who were "country oriented." Friction and frustration were the result. Although LOGGINS is from rural Tennessee, his voice and musical arrangements do not quite fit the country stereotype.

"Now the publishers and record companies will pick up on any style. The problem now is that there are a lot of people in the music business who just want to sign a new name and do nothing. Then when the fellow gets his break and starts selling records, these people come forward and wave their old contracts."

LOGGINS has succeeded in breaking into the pop charts, but he may miss the loyalty the country fans show their singers.

"The situation for a pop singer is really improving in Nashville," LOGGINS said. "It used to be that a producer or publisher here didn't know what to do with a writer or singer if he wasn't country."

He said, "Please Come To Boston," finished about a year ago, is the best song he has written. "I wrote on the song for a year. I don't know that you could call it my masterpiece, because I don't know what else I might do. But to date, it's a song closer to me than anything I've ever done. I said lyrically, word for word, what I wanted to say ...

"I wrote that song for everybody. Anybody who's travelled a lot and misses where he's from. Whether it's Tennessee or anywhere."

Jazz Ensemble Tonight

University of Missouri Rolla's 21-member Jazz Ensemble will present a fall concert Thursday, Nov. 21, at 8 p.m. in Centennial Hall of the University Center.

The program includes a variety of jazz music. Some of the selections are "All God's Children," arrangement by Dominic Spera; "Ain't No Doubt About It," by Dick

Grove; "Patty," by Dominic Spera; "That's the Way I Feel," by Al Cabine; "Summer Snow," by Bob Enveoldsen, and "In the Silence of the Snow," by Alf Clausen.

Ensemble director is Jack Lyman. Lyman is a former professional jazz musician who is now a UMR student majoring in psychology.

There is no charge for the concert and the general public is invited.

the missouri miner

The MISSOURI MINER is the official publication of the students of the University of Rolla. It is published at Rolla, Missouri, every week during the school year. Entered as second class matter February 8, 1945, at the Post Office at Rolla, Mo., under the Act of March 3, 1879. The subscriptions are \$2.00 per semester. This MISSOURI MINER features activities of the students and faculty of UMR.

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RDN Advisor

Staff: Mike Wilhelm, Sharon Taylor, Sam Rucker, Mike Kempf, Bruce Schaller, Dennis Gilliam, Ron Rembold, Bill Uding, Bill Smith and Art Stevenson.

Articles and photos for publication in the Miner must be in by 9:00 p.m. on the Monday before printing on Thursday.

Mailing Address - Missouri Miner, University of Mo.-Rolla
Office Hours are 1:00 - 3:00 in T-1

S.C. Evaluation Information

This week the Student Council is running a faculty evaluation. The Faculty Evaluation Committee of the Student Council sent out a letter to all instructors last October 25 asking them to schedule a part of one class during the week of November 18-22 for the students to evaluate them. Only classes of 10 or more or which are not seminars are being evaluated.

The Student Council does not have the authority to make the faculty evaluation mandatory. Each instructor has the option of using it or not. If your class does not get evaluated through the Student Council faculty evaluation, it is because your instructor has chosen not to make use of the evaluation.

Last April 26 the Mechanical instructors in the Mechanical Engineering Department Engineering Department. The passed the following resolution: only difference between the "We recommend that the M.E. Department and other Department of Mechanical and departments on campus is that Aerospace Engineering replace the department as a whole will the previous policy of Faculty not participate. Since each Evaluation with a STANDARD instructor has the option, the Policy of Faculty Evaluation situation remains that if your and to welcome student par-class does not get evaluated by ticipation in the evaluation the Student Council, it is procedure. Due to what we because your instructor decided believe are inherent flaws in the not to make use of the Student Council Faculty evaluation.

Evaluation, the Department will no longer participate in this activity." However, it has been verified that each instructor in the department still has the option of making use of the Student Council evaluation. Proper forms have been sent to

Steve Stearns, Chairman
Campus Improvements
Committee
UMR Student Council



"Provocative, dramatic, dynamic", are the words used by Cue magazine to describe the action thriller "Executive Action", the Student Union Board's free film flick for November 24.

In a period of slightly over three years following the murders of President John F. Kennedy and Lee Harvey Oswald, eighteen material witnesses died—six by gunfire, three in motor accidents, two by suicide, one from a cut throat, one from a karate chop to the neck, three from heart attacks, and two by natural causes.

An actuary, engaged by the London Sunday Times concluded that on November 22, 1963, the odds against these witnesses being dead by February, 1967, were one hundred thousand trillion to one.

"Executive Action", one of the most controversial films of our time will appear at Centennial Hall Sunday at 4:00 and 6:30 p.m. Admission is free with valid UMR I. D.

Coffeehouse

Magicians, folk music, blues and ragtime piano.

Vaudeville revived? No, it's just a sample of the local talent appearing in the Student Union Board Coffeehouse this Friday.

The coffeehouse is an opportunity for enterprising and talented young entertainers to perform before the student body and affords a unique chance to see a variety of artists and acts free of charge.

In addition, the SUB Hospitality committee will be collecting donations of money and canned goods for needy families in Phelps County.

Kelly Awards on Display

Symbols of the many awards received by Dr. Mervin J. Kelly, distinguished MSM-UMR alumnus, are on display in the lobby of University Center-west through the month of November.

Kelly received his B.S. degree in science from MSM in 1914. He was noted for his work with Bell Laboratories on the Trans-Atlantic radio-telephone cable and (during World War II) his research and development programs on electronic equipment such as radar, bomb sights and artillery sighting mechanisms. He retired in 1959 as chairman of the board of Bell Laboratories and died in 1971.

His widow, Mrs. Katharine M. Kelly, Summit N.J., has donated the memorabilia items to the University and they will eventually be part of a permanent "Hall of Fame" display proposed as part of University Center-Phase II.

'Rolla Night' in St. Louis

An engineering exhibit and a panel discussion by University of Missouri-Rolla engineering students will be highlights of "Rolla Night" Thursday, Nov. 21, at the Engineers' Club in St. Louis, 4359 Lindell Blvd.

St. Louis area high school and college students, their teachers and parents are invited to attend. The engineering exhibit will be open for viewing starting at 7 p.m. and again following the program. The program will start at 8:15 p.m.

Among displays are: A car which was designed and built by UMR students to have special fuel economy, pollution control and safety features; a model house using solar energy; a smoke-wind tunnel; a mini-computer programmed to play

Kids start wishing on stars at an early age. Some of them—even if their wishes don't come true—keep on looking and wondering about stars as they grow older.

Certainly, stargazing is a subject that is of great interest to many students at the University of Missouri-Rolla. This is the reason for installation of a new research structure on campus.

However, Dr. John Schmitt, visiting assistant professor of physics, thinks the new observatory has all kinds of advantages. "I think we have the best telescope in the whole state," he says. "There are two reasons for this. The telescope itself is a 16-inch cassegrain reflector (mirror)—professionally produced—with an extremely precise driving mechanism. The second reason

astronomy courses taught in the physics department are popular with not only physics students but also with engineering, science and liberal arts majors.

At the present time, a number of undergraduate astronomy enthusiasts are making systematic studies of variable stars (those stars with light which changes in intensity). Research is also being done on eclipsing binaries (pairs of

Astronomy Takes Giant Step at UMR

UMR now has a 16-inch professional telescope and an observatory in which to house it. This facility is not very big or very glamorous. The walls are about 12 feet high and the dome is 16 feet in diameter. It is located on a parking lot at the northwest corner of the main campus which happens to be one of the highest hills in Rolla. And only five or six people may stand inside the observatory at one time.

"Other large telescopes in the state are located in cities quite a bit larger than Rolla. Reflection of city lights at night interferes with the students' view of the sky—particularly the study of what we call 'deep sky' objects. Rolla doesn't have that many night lights and, on a clear night, we have a terrific view."

Although UMR doesn't offer a degree in astronomy,

stars that pass in front or in back of each other from time to time). Students measure distortion factors of binaries and study the stellar structure and behavior.

Dr. Laird Schearer, professor of physics and chairman of the department, is also enthusiastic about the new facility. "The state of Missouri is well known for the production of professional astronomers," he comments. "One of the most distinguished in this country, the late Harlow Shapley, was a graduate of the University of Missouri-Columbia."

"We hope to be able to set up a program to open our observatory to the public so that interested people may take advantage of our facilities. It is already available to graduate students from other campuses. Of course, weather and distance complicate arrangements for these students to a certain extent."

"We are very proud of this new facility," he concludes. "Sometime in the future, we want to add some closed circuit TV equipment so that we will be able to share the things we can see from atop our Ozark hill with campuses all over the state."

tic-tac-toe; a hanging earth experiment; examples of biomedical engineering, such as artificial heart valves; a reaction timer and Wankel engine models.

The program, on engineering in general and engineering at UMR in particular, will be given by a panel of four students. They are: Jack Vance, a senior in civil engineering; Sharon Taylor, a junior in metallurgical engineering; Tim Bradley, a sophomore in petroleum engineering and Louann Ruyle, a freshman in mechanical engineering. Dr. J. Stuart UMR.

Johnson, dean of the School of Engineering, will introduce participants.

There will be a question and answer session. After the program, guests may visit informally with UMR alumni, faculty and administrators on such things as admission requirements, costs, scholarships and loans, housing, athletics, cooperative education, and the different fields of engineering.

"Rolla Night" is held annually at the Engineers' Club to give St. Louis area students the opportunity to learn about UMR.

ROLLA VOLKSWAGEN

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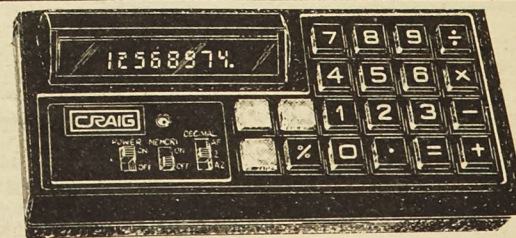
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Thursday, November 21, 1974

As of next Tuesday, federal legislation gives students 18 and older or parents of students under 18 access to University records.

Guidelines from HEW are not yet available. Ambiguity in the legislation has not been resolved. Nevertheless, the legislation takes effect Nov. 19. So an "Interim University of Missouri Policy on Students Rights and Privacy" has been prepared for guidance of faculty and staff. It follows:

"The parents of students under 18 years of age attending any school of the University of Missouri or any student over 18 years of age attending any school of the University of Missouri, by complying with procedures as hereinafter set forth, may obtain access to the student's records.

"You shall not permit release of records of files or the personal information contained therein of students, without the written consent of the parents of those students under the age of 18 years or the student who is over the age of 18 years, to any

individual, agency or organization other than the following:

"University officials, including teachers within the educational institution or local educational agencies who have legitimate educational interests.

"To officials of other schools or school systems in which the student intends to enroll, upon condition that the student's parents be notified of the transfer, receive a copy of the record desired, and have an opportunity for a hearing to challenge the content of the record.

"Student records are defined as any and all official records, files, and data directly related to (the student), including all material that is incorporated into each student's accumulative record folder and intended for school use or to be available to parties outside the

MISSOURI MINER

in no case more than 45 days after the request has been made, the student or parent will be granted access to the records requested, if the records are within the custody of the specific agency or department and are records to which the student has a right to access.

aptitude, and psychological tests, interest inventory results, health data, family background information, teacher or counselor ratings and observations, and verified reports of serious or recurrent behavior patterns.

"The student or parents shall be granted access to student records during the normal business hours of the University of Missouri and shall be permitted to inspect the records, or copies thereof, at the place where the records are kept. A written request shall be submitted by the parents or student directed to the appropriate authorized individual requesting access to the student's records. The request should identify as specifically as possible the records that the parents or student requests to inspect which are within the custody of the appropriate individual to which the request was submitted. Within a reasonable period of time, but

"It is permissible to furnish true copies of the records requested in lieu of the original records. If the original record is furnished to the student for inspection there should be precautions taken to insure that the records are returned in their original condition. And, it is permissible, but not required, to grant the student's request for copies of parts of his file. In the event a student requests and receives copies of part or all of the file requested, the cost of such reproduction will be charged to the student.

"In the event that any person entitled to a hearing under the provisions of the Family Educational Rights and Privacy Act of 1974 (typically a student or parents) believes that the records are inaccurate, misleading, or otherwise in violation of the privacy or other rights of students, they may request a hearing to challenge the correctness of the student records by submitting a letter to

the campus chancellor requesting such a hearing."

Existing policies on disclosure of student conduct and academic records will be refined to comply with provisions of the Family Educational Rights and Privacy Act of 1974 and will be made available to faculty and staff.

Meanwhile, UM President C. Brice Ratchford has requested "co-operation and assistance in implementing these interim guidelines" so that the University is in compliance with the federal legislation.

Page 5

student records soon to be open

IFC Sing Fri Dec 6

This year's I.F.C. Sing will be held Friday night December 6. As last year, it will be in Centennial Hall of the University Center and begin at 7:30 p.m. The judging this year will be done by Mrs. Schaeffer of the Rolla High School Science Dept. at UMR.

There will be about 16 entries in the Sing this year from the fraternities and sororities. New this year, is that the "Little Sister" organizations will be allowed to participate in the acts with the fraternities. This should improve the Sing significantly. There will be also the short humorous follers in between acts. Live music will be provided by the UMR Jazz Ensemble, which has many members from the dis-banded "Drifters" from last year.

More time and money has been put into the Sing for 1974 than ever, and it looks to be the best. So we hope to see you all there, having a good time.

"I just need a trim...not a shortcut...only a trim...like yours!"

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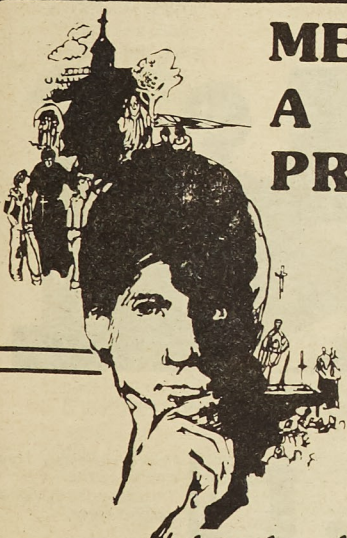
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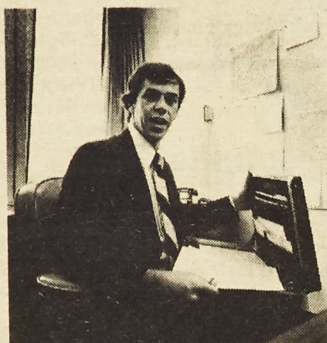
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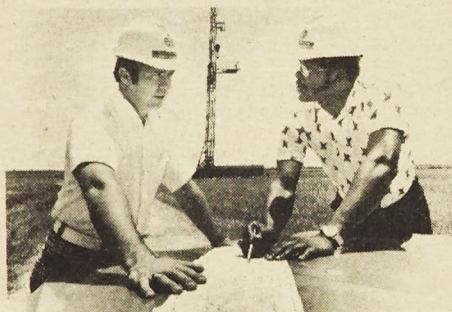
...from your first day on the job.

Paul J. Dudenas,
Penn State '73.
"I am in charge of
an oilfield."



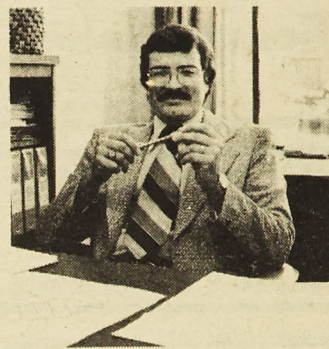
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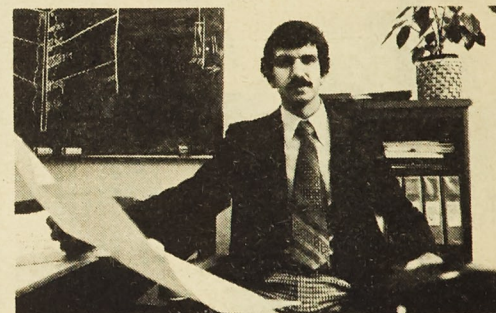


William J. Grays, right, Texas A&M '73.
"You can see your skills blossom."

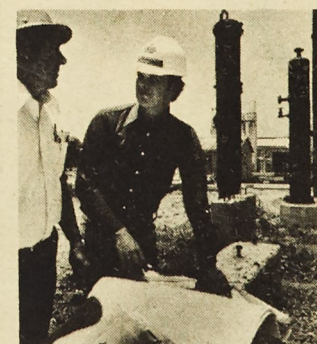
Bruce H. Stover,
U. of Oklahoma '71.
"I have total
responsibility."



Leslie D. Skinner,
Texas Tech '72.
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experience in a hurry."



Steve Shaw, U. of Missouri-Rolla '73.
"By 11 am the first day, they wanted my recommendations."

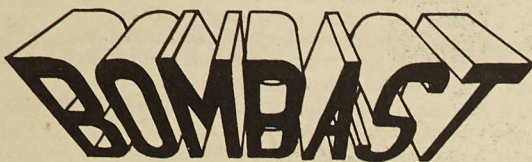


Frank D. Henderson, right,
U. of Texas '72.
"I'm getting all the experience
and help I need."



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By PHIL KRENSHAW

Student Council is now conducting a course — faculty evaluation. However, there are many opinions students might have that the forms don't cover. We, therefore, are printing a general University evaluation. Please circle your choice and return the completed form to the Chancellor's office before Thanksgiving. Only serious answer will be considered.

Questions 1 through 4 concern an individual teacher or course, please fill in the instructor's name and course number.

Name:
Course:
Section:
Department:

1. When your instructor finishes his lecture, do you feel
 - a. lost
 - b. enlightened
 - c. frightened
 - d. you've just wasted an hour
 - e. all of the above
2. I would take another course from this instructor, if and only if he,
 - a. dies
 - b. takes a bath
 - c. doesn't flunk me
 - d. first learns English
 - e. all of the above
3. Some of his annoying mannerisms are
 - a. assigning homework
 - b. giving lectures
 - c. giving tests
 - d. showing up for class
 - e. giving grades
4. The number of tests are
 - a. one too many
 - b. two too many
 - c. four too many
 - d. eight too many
 - e. far too many
5. C. Brice Ratchford
 - a. is out to get us
 - b. is senile
 - c. is overpaid
 - d. is underworked
 - e. who?
6. The Humanities department
 - a. should be eliminated
 - b. should be given to UMSL as a gift
 - c. should take over the campus
 - d. believes in Peter Pan
 - e. should disclose what they kick back to Bisplinghoff
7. Traffic Safety
 - a. should get a horse patrol for the quad
 - b. is looking for the author of this article
 - c. should have an unlisted telephone number
 - d. does little more than engrave numbers on calculators
 - e. same as answer to question No. 6.
8. The quad
 - a. should be torn up and re-built
 - b. needs a geodesic dome over the hockey puck
 - c. should have electric fences to keep people off the grass
 - d. should be used to grow grass
9. The Minerity Report is
 - a. monotonous
 - b. monotonous
 - c. monotonous
 - d. monotonous
 - e. all of the above
10. The Rolla building
 - a. should be decontaminated
 - b. should be condemned
 - c. should be torn down
 - d. should be converted into a bordello
 - e. smells
11. The E. E. department
 - a. provides an easy course for dropout physics majors
 - b. exploits education
 - c. fakes its employment records
 - d. is the most high class department on campus
 - e. all of the above

Continued on Page 8

Organizations

GDI Offers A Lot

To all of you out there who make use of GDI as a segment of your social life, how many of you really know the true significance of our organization? Is it just parties and dancing and drinking? I don't believe so; surely those things are included, but it also is a time for us to get together and decide what kind of social life we want! Together we can expand this social life, fan out our ideas, develop acquaintances into friendships, and take some of the burden off some people's backs who, quote "bust their ass."

Yes, this is a plea for more of the membership to get involved, the more the better. There are quite a few committees out there who need people to help out, and it doesn't take fancy creativity, just some effort.

With that out of the way, lets take a look at the issues discussed at the meeting on Nov. 14.

One of the main things elaborated on was the GDI T-shirt; namely, the design and how to handle sales. The first approach is to buy a quantity with a pre-selected design taking the chance of getting burnt like we have with the excess number of Independents Weekend shirts which Hardhat is willing to sell to anybody (HINT: he has a bill to pay). We can combine this with taking orders for so many and who ever doesn't come up with the money, well, the pond is mighty cold this time of year! About the best idea kicked around was making up two or three stencils, lending them to Plaster Key, and anyone who wants a shirt is welcome to go down their and get one. Nobody gets burnt that way, least of all, the organization.

Another major question was: Is it necessary to have a beer bust after every meeting? This costs us anywhere from 75-100 dollars for every bust we have. Could some of this be put to better use at one of the dances or at Independents Weekend? This is something the membership must decide. Tied in with this is the query of what type of activity should go on at

the parties, i.e., those of you who love a good Indian game, fantastic, but lets emphasize to those of you who enjoy dancing or bullshitting or anything else, don't let the Indians rage war on you, get out there and get pumping.

Now we come to potentially the most important thing which need be considered. One is the fact that we need articles for the St. Pat's issue of the Sixty Miner. There are alot of car- toons and drawings, but a lack

of short stories. Secondly, we need more membership next semester, so we expect all of you one semester people back again and everyone should drag a friend in.

Well, there you have it. If you have any ideas, voice them at the next meeting or go up to the GDI office in the Student Activities Room of the University Center and spill your guts. Lets get things merging and not just mingling in the dust.

Miner Circulation Reaches Five States

You students probably thought you were the only lucky ones who got to read the Missouri Miner. Well, you're wrong! People from five states partake of this weekly delight. Miners are sent to avid readers in Maryland, New York, Pennsylvania, Illinois and, of course, Missouri. In fact one of our Maryland supporters goes

by the name of Ron S. Bisplinghoff. (See 21, BOMBAST). The Office of Public Information also sends over thirty papers to U-Wide officials up at Columbia.

So don't feel embarrassed to tell us how good a job we are doing just because people from all over the country are looking in.

you know you've been in rolla too long when:

- ... You think St. Pat's is a national holiday.
- ... The only shopping you do is at IGA
- ... When receiving a piece of junk mail makes your day.
- ... When you go to Columbia for a weekend and come back with nothing but a bad case of eyestrain.
- ... You know what all the keys on your calculator mean.
- ... You think Indian is a professional sport.
- ... Lunch is something you blow after a party weekend.
- ... The weekend is open and you don't go home.
- ... You go to the telephone company to watch the operators change shifts.
- ... Your idea of entertainment is going to the Ritz late show while inebriated.
- ... Eating out means picking up a Pizza in person.
- ... Girls are something that you just hear about.
- ... You've been to Cottey.
- ... Girls are still something you just hear about.
- ... You start to like it.
- ... The subject of conversation is thermodynamics.
- ... You have been here for three years and still don't have a sophomore standing.
- ... Graduation approaches and you don't want to leave.
- ... When you start writing articles for the Miner.

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Mr. Dewey J. Allgood
Multi-Purpose Building
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Rolla, Missouri 65401

Dear Mr. Allgood:

Is there any justice in the system of protesting an intramural game?

In a basketball game last week, two intramural teams were tied at the end of the regular game. The referees allowed a five minute overtime. After the score finalized, the rules were studied, and it was found that the referee had made a mistake. Only a two minute overtime should have been sanctioned. The losing team filed a protest, it was approved, and a rematch held.

In another basketball game last week, one team beat another by two points. The referee called a foul, and the losing team was not awarded a "one and one" freethrow. The violation of the rules was pointed out to the referee, and upon looking up the rule after the game, the referee was found to be in error. The

game was protested, and the appeal denied.

In both games the referees had made a mistake. In one case a protest was awarded and in the other the protest was denied. How can this be?

Sincerely,

Arthur F. Lampe

Missouri Miner
University of Missouri-Rolla
Rolla, Missouri 65401

Gentlemen:

In the past, the Missouri Miner hasn't been greatly praised as a great piece of journalism. And, I have to admit, my voice wasn't often raised in defense of the paper. I think that my opinion has changed, if not radically to a certain extent. What changed my opinion was not the new masthead or the liberal use of

OPI releases, but a new column called the Minerity Report by Sandra McCorkle Gale.

Ms. Gale's column continues, week after week, to present, what I consider to be very good ideas in an extremely interesting, easy to read style. She was obviously telling the truth about her past writing experience. This last week's column brings up some points on the conditioning of women that I frankly never considered. She should be lauded for her honest, no nonsense approach to a very real problem.

Speaking of very real problems, I think that the Miner ought to give Mr. Krenshaw and his Bombast column their walking papers. The definition of Bombast is "grandiloquent and pompous speech or writing."

That is certainly not, in fact, it is probably the worst writing I have ever seen. His column more properly belongs in an underground newspaper, or perhaps, even more appropriately, in the trash can.

Thank you for your time. I remain
Sincerely yours,
W. Alan Benson



SUB sponsors events

Two tournaments were recently completed, pinball and chess. More than twenty-five persons entered the pinball tournament, held in the game room of the Old Student Union. Each individual played five games (on five different machines), with the highest total claiming the first place trophy. There was no cost to enter as the tournament was held in cooperation with the University Center. The winner was Eric Seiler with a total of

more than 311,000 points. In fact, Eric even turned one of the machines over, getting a total of 125,000. Second place went to Damri Sukhotanang, who racked up over 259,000 points.

The Chess Tournament has also just finished up, with the winner being Jose Martinez-Oritz. John Garrett finished second. More than fifteen people took part in this tournament.

There are still two tournaments left this semester, 8-Ball and Football. Remember that all of these tournaments are held at no cost to the student and give everyone a chance to compete against fellow students in some of the more popular games around. Watch for a tournament you would like to take part in and sign up.

Christopher Jewelers

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BOMBAST

Continued From Page 7

12. The nuclear reactor
 - a. contains twice its critical mass
 - b. would melt before going super critical
 - c. is used to heat the water for the swimming pool
 - d. is an aquarium for the Life Science department
13. The Philosophy department is. Yes or No
14. The reason half of the card catalog files in the library are empty is
 - a. grad students have all the books
 - b. B & G use them to store their lunches in
 - c. the librarians haven't figured out the library of congress system yet.
15. The Miner newspaper is
 - a. irrelevant
 - b. incompetent
 - c. immaterial
 - d. the editor objects
16. The U-wide computer system is
 - a. down
 - b. broken
 - c. under repair
 - d. temporarily out of service
 - e. wrong
17. The Ultra Ban 5000 factory is actually
 - a. a Cassegrain telescope
 - b. a Schmidt telescope
 - c. a Schmidt-Cassegrain telescope
 - d. a Cassegrain-Schmidt telescope
 - e. two lenses and a toilet paper tube
18. Saint Pat is
 - a. the patron saint of engineers
 - b. the patron saint of beer
 - c. a statute in the library
 - d. a holy man of the Catholic Church.
 - e. a starving Humanities major.
19. The books stores are
 - a. making a larger profit than the oil companies
 - b. making a larger profit than the politicians
 - c. making a larger profit than the Arab governments
 - d. making fake price tags
 - e. a rip-off
20. The Student Council evaluation forms are
 - a. probably thrown away
 - b. a major factor in determining whether a teacher is fired
 - c. used in place of coal in the power plant
 - d. passed around and laughed at
 - e. used to house break new pets
21. The Chancellor's name is
 - a. Blispinghoff
 - b. Pisblinghoff
 - c. Plisblinghoff
 - d. Hisblinghoff
 - e. Merle Baker
22. This column is
 - a. ended
 - b. finished
 - c. through
 - d. over
 - e. obviously in need of new material.

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editorials

Evaluations- Worth Their While?

This semester, as with every semester that I can remember, the students at UMR have taken time to fill out teacher evaluation forms. This practice has become so common place here at the University that it warrants practically no discussion on the part of the students.

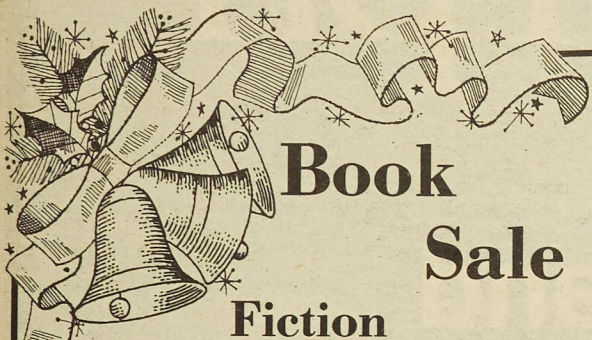
From what I personally have seen of the procedure, and I assume that it is the same on all parts of the campus, forms are passed out during certain class periods and are methodically filled out by the students. Just how much good do these forms do? In the past I have chanced upon the survey results and I have been wondering who else gets a copy.

the teaching methods of ineffective professors.

I believe that our evaluations "die" shortly after they are filled out because I have never seen or heard of any substantial result due to the forms. As a matter of fact it is my understanding that it is the professors prerogative whether or not his evaluation is even published in the Miner. Teachers who have been worthless for years are still worthless and will probably continue to be so. Students, more than anybody else, know how effective or ineffective a professor is. This knowledge needs to be tapped and utilized. We have the means of tapping it, now how about some utilization?

I would be the first to agree to the potential of a teacher evaluation by the students themselves. Think about it. Handled in appropriate manner, and in the right hands, these evaluations would serve as effective means of changing

This editorial is a personal opinion. Due to some remarks that may be considered derogatory, I must withhold my name.



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Discrimination!

By SAM RUCKER

The University of Missouri-Rolla should be known as the University of Discrimination. It is simply frightful how people on this campus are constantly the victims of prejudice, yet put up with it as if it were in the "natural course of things." I am frankly surprised that this school has kept its enrollment anywhere close to what it is at present, for discrimination strikes all students here in one form or another — regardless of their race, creed, religion, financial status or sex. The only reason I have remained here as long as I have (I am presently a first semester junior) is that I have an unconscious masochistic desire to be discriminated against.

There are so many cases of prejudice against so many people on this campus that I scarcely know where to begin choosing examples. I shall name a few of the most blatant ones in hopes of inciting the reader to open his eyes and see for himself the constantly biased nature of life around here.

The first case of outright discrimination which I shall mention happened to me recently. I was walking to my first class on a beautiful Monday morning and noticed a girl about fifty yards ahead of me who was just passing under a tree. She proceeded to pass beneath the tree without any trouble whatsoever and I thought nothing of this until I reached the tree. When I got to its base a sudden gust of wind covered me with dead leaves. Now this is discrimination to the nth degree! The tree let a

female pass beneath it and was a perfect gentleman; but just let a male come walking by and it gives him a leaf shower. Personally I liked the leaf shower, but then again I have this perverted desire to be the victim of prejudice. In general, I do not want students to be so discriminated against; our trees should not be allowed to exhibit such bias. It is upsetting that so few complaints have been voiced concerning the archaic attitudes of the trees on this campus.

The foregoing case is probably the worst example of discrimination on the UMR campus, but there are several others that are almost as bad. One concerns the streakers of last spring. As untenable as it may seem, it is a cold fact that male streakers do not get the attention females do — on this campus especially. Here is one instance in which the minority has an advantage (male streakers outnumbered female streakers by approximately thirty to one last year). Why should males be so discriminated against? I really have no answer, for I've never been able to explain prejudice. It may perhaps be due to ignorance or to an obtruse, deeply rooted, sexual motive which has a strong component on this campus; I offer no neatly packaged explanation. One could probably argue that this example is irrelevant, since the streaking fad has long since faded into oblivion; and one would probably have a very good case. However, if it should ever come back, I hope somebody will have marked

these words.

Still another aspect of discrimination which must someday be alleviated if we are to have a perfectly free life at UMR is the abuse of ogling privileges. It is a sad but true thing that ugly girls just don't get ogled as much as pretty girls. We must demand equal ogling rights here! People at least need to be made aware of how ACUTE the situation is.

Do I shock you, reader? Did you not realize the gravity and extent of the problem? Read on, and let the fiery passion of the sense of justice burn in your breast. Then take two Roloids.

Such gall, such audacity, such a masterful skill of brainwashing have the people behind the various Queen coronations. Why have we never had a Homecoming King? A Military Ball King? The men of this campus are oppressed in this respect and it is entirely their own fault. In the words of Spiro Agnew: "It is time for the preponderant majority, the responsible...men of this campus ... to exert their authority."

There are dozens of other examples of discrimination which I could go on and on about; I have herein brought attention to the most blatantly unexcusable ones. The black groups, the women's lib — all of these have the right ideas in demanding equal rights, but they have just barely skimmed the surface. Now that we have the minor problems cleared away, such as prejudice in being admitted to an organization on account of race or sex, we need to tackle the big issues, some of which I have mentioned. I hope I have aroused the feeling in at least a few readers that something needs to be done, and it needs to be done now; prejudice is so widespread and ingrained on this campus that we need constant efforts (of which this essay is a good example) by many people to combat it.

"Half the fun of getting there is making it on your own two feet"

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Boxing World Revitalized

What finally rekindled the dying interest in prizefights in America, experts agreed, was the prizefight in Kinshasha, Zaire, Africa.

Mr. Muhammed Ali, you will recall, rendered Mr. George Foreman unconscious at approximately 4:30 a.m. by the Kinshasha clocks for the benefit of hundreds of thousands of Americans who paid up to \$35 a seat to watch the proceedings in closed-circuit television theaters during prime time.

Mr. Ali's brilliant strategy, the sports writers concurred, was to lean against the ropes and let Mr. Foreman beat on him like a gong for eight rounds. When Mr. Foreman finally got tired of all this, Mr. Ali knocked him out.

Mr. Ali and Mr. Foreman each collected \$5 million for staying up so late. The promoters realized they had a good thing going, all right. So the rematch was scheduled to take place in Kashintill, Outer Mongolia, Asia.

Newsman who at last reached the scene by yakback reported that it was just as wonderful a fight as the first one. Norman Mailer and George Plimpton, who were again present, managed somehow to recapture exactly how they felt in their articles.

The bout had to be postponed 60 days to allow Mr. Foreman to recover from a painful lama bite and increase closed-circuit television ticket sales. But once again in the eighth round, Mr. Foreman wearied of punching Mr. Ali, accepted his check for \$10 million and got knocked out.

The Mayor of Kashintill, whose name, freely translated from the Mongolian means "Xptl," said, "This historic event has really put Outer Mongolia on the map." But Mr. Foreman said he was sick and tired of hitting Mr. Ali and was retiring from the ring forever.

A new challenger was found in the great Kurdish left-handed pacifist, Mohammed Ahmed. The time was set for 7:30 a.m., January 1, in Maykabuk, Von Baffleland, Antarctica.

"I will float like a butterfly

and sting like a bee," Mr. Ali told his tens of Eskimo admirers on his arrival.

"Like a what?" they said. "For I am the greatest," said Mr. Ali modestly, as he performed his famous Ali Shuffle, "on snowshoes."

Newsman, who finally arrived by dog sled, asked the great Kurdish champion how he could possibly win. "Where there is a Kurd," replied Mr. Ahmed with a mysterious smile, "there is a way."

Because of brisk ticket sales in America (Mr. Plimpton and Mr. Mailer had again been hired to be present), the fight had to be postponed only 30 days when Mr. Ali was kicked in the shin by a penguin.

From the opening bell, Mr.

Ahmed's strategy was apparent. He danced about in the middle of the ring, beating his arms on his chest to keep warm, while Mr. Ali leaned against the ropes in his now-famous Ali defense.

By the eighth round Mr. Ali was discovered to be frozen solid and his handlers had to throw in a hot towel.

Newsman reported it was a wonderful fight. Mr. Mailer and Mr. Plimpton expressed exactly how they had felt (cold) and the Eskimo mayor said this historic event had really put wherever they were on the map.

Interest in prizefighting, however, unfortunately waned. But National Geographic subscriptions doubled.



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Miners Eliminated From Conference Race After Trouncing At Maryville

Traditionally, the last home football game of the season is dedicated to the team's seniors who are ending their college career. Last Saturday at Maryville, however, a 5-11, 188 pound freshman tailback stole the spotlight and the game as the Maryville Bearcats ended the 1974 Miner Miracle, 41-7. It looked a lot like O. J. Simpson following his excellent Buffalo blockers, but it was really Claude Arnick following a superb group of senior Bearcat linemen as he amassed 290 yards rushing and scored five touchdowns while assuring the Bearcats of at least a share of the MIAA title for 1974.

The game was never in doubt after a tough, defense dominated first quarter. Maryville opened the scoring with nine seconds remaining in the first period as Arnick drove three yards for a touchdown, capping a 32 yard drive. The drive was set up after Dave Guerrero pinned UMR at the four with a fine coffin corner punt. The Miners failed to move from there, and were forced to punt. Bearcat Roy Gibson picked up 12 yards on a reverse, then Arnick followed a good block around left end for 12 more down to the Rolla nine. Senior quarterback John Beeson bulled his way to the five on a sneak, plus a late hit penalty against the Miners moved the ball to the three. Arnick scored from there, on a good second effort after being stacked up at the line of scrimmage.

The Bearcats scored again on their next two possessions, capitalizing on good field position set up by short Miner punts. Maryville began their second touchdown drive at the UMR 42, and with Arnick picking up most of the yardage drove over in seven plays. Arnick scored from eight yards out, taking a pitchout and following the blocks of two all-MIAA linemen, tackle Randy Euker and guard John O'Guin. Steve Stokes added his second point after, and Maryville lead, 14-0.

Miner kick returner Rod Bullock managed to get only to the eight yard line on the ensuing kickoff, but the Miners established some offense and drove up near midfield before Greg Haug was sacked by defensive tackle Ken Rutter. Greg then tried to offset the heavy rush with a screen to Mike Keeler, but a swarm of Bearcats all around Mike forced Haug to throw the ball away. A shanked punt by Jack Gevecker netted only 18 yards, and Maryville again had excellent field position at their 47.

Arnick again went to work on the Miners' defense, gaining 4, 13 and 9 yards down to the 28, and leaving more than a few would be tacklers in his wake. From the 26, Beeson sneaked for eight yards to the 18. Arnick drove up the middle on the next play, was hit at the five by three Miner tacklers, but still powered in for his third touchdown. Stokes again converted the extra point, and Maryville had rolled to its halftime margin of 21-0.

The only hope at halftime was that the Miners could regroup or that the Bearcat momentum would break, but it wasn't to be. Maryville charged right back, sacking Haug for an eight yard loss on the first play. Greg completed short of a first down. After the Miners punted, Arnick broke what was probably his finest run of the day, gaining 23 yards up the middle and breaking seven or eight tackles, some of them pretty good shots. Defensive back Bill Warwick saved a possible touchdown, nailing Arnick from behind. Arnick burst through a big hole on the next play, picking up 14 yards to the UMR 24. Beeson then rolled out looking for Gibson, but a bad pass fell in front of the receiver. On second down, defensive end Frank Walsh and nose guard Terry Logan made an excellent play, stopping Arnick at the line for

no gain. Beeson went back to the air on third and ten, but his pass bounced off Gibson's hands. Stokes then attempted a 42 yard field goal, but the kick bounced off the left goal post just above the crossbar.

The Bearcats again shut off the Miner attack, nailing Haug for minus-eight on third down. Another short punt gave Maryville the ball at the Miner 34, and after losing a yard on first down on a fine play by Logan, Arnick scored again, driving 14, 15 and six yards for his fourth touchdown. Stokes added his fourth point, and Maryville led 28-0 midway through the third quarter.

Haug went almost exclusively to the air on the next Miner series, but in the face of a heavy rush hit only one of six, a twenty yarder to Dillow. This time Don Angell punted for the Miners, and boomed a beautiful 56 yarder into the end zone.

Faced with bad field position for the first time since the first quarter, the Maryville attack ground to a halt at the Miner 44. However, on fourth and four and the Bearcats in punt formation, Angell jumped offside for his only error in an otherwise brilliant day. Maryville capitalized on the error, Arnick scoring on a nine yard run. It was the fifth and final touchdown for the freshman running back, who more than doubled his season total yardage mark of 255 yards. But he wasn't finished then, as he was chasing the NWMO single game rushing record of 270 yards, set by Jim Albin in 1971 against Northeast.

After the ensuing Miner drive was halted by an interception, Arnick got his record on a 12 yard burst up the middle. Trying to pass, the Bearcats were nailed twice for holding. Guerrero punted, and several Bearcats covered the ball. But Mark Mastroianni was inadvertently blocked into the ball

and Maryville recovered at the UMR 28. Four plays later Miller added the sixth touchdown on a four yard run. Stokes missed this extra point, but Maryville had a 41-0 lead with only 11:22 left in the game.

Starting from their 20, Haug and the Miners made a valiant effort to score some points. Under constant heavy pressure, Greg Haug worked the sidelines brilliantly, rotating his receivers and grinding out yardage. Forced out of the pocket once, Haug gained 16 yards. He was sacked only once in the drive, but followed that with a 17 yard pass to Gevecker for a first down at Maryville's 16. Two plays later, Greg hit Dillow at the goalline and Merl stepped in for the Miner touchdown. Dave Wisch added the extra point, cutting the score to 41-7.

The Miners had one more chance to score after halting the Bearcats at the UMR 19. On first down Haug hit Dillow with a bomb, but Merl was caught from behind just after breaking a tackle. The play covered 48 yards but Haug was sacked twice more, and intercepted just as time ran out.

Arnick wound up with 290 yards on 41 carries as Maryville ground out 431 yards rushing against the Miners. The Miners gained only 6 yards rushing, with Haug being sacked seven times for minus 64 yards. Greg was 20 of 38 passing for 234 yards, but was intercepted twice and most of the yards came after the game was out of reach. The loss of the Miners regular punter, Ken Potempa, obviously has hurt as Jack Gevecker averaged only 24.9 yards for 7 punts. The game as won by field position and mistakes, but Maryville dominated in the pits, as both their offensive and defensive lines were brilliant.

The victory boosted Maryville's conference record to 5-1, and only Southwest Missouri State (4-1) can catch them in the conference race. The Miners, now 3-1-1 and eliminated from the title chase, host the Bears this weekend. Southwest beat Maryville earlier this season on a last minute kickoff return for a TD, but an improved Miner performance and home crowd atmosphere could add up to a rough weekend for the Bears. A Miner victory would clinch second place in the MIAA, the Miners' highest finish since 1958.

Eight Miner seniors will end their college career Saturday. They are running backs Mike Joshua, Mike Keeler, and Jeff Carter, split end Jack Gevecker, Defensive ends Frank Walsh and Ron Mitchum, monster Bill Peach, and kicker Dave Wisch. Joshua, Walsh, and Peach were the Miners' captains this season.

	UMR	NW
First Downs	16	26
Yards Rushing	6	431
Yards Passing	234	20
Passing - int	20-38-2	2-11-0
Pen.-Yds. Pen.	4-25	4-40
Fumbles-Lost	2-1	3-2

UMR	0	0	0	7	—	7
NW	7	14	14	6	—	41
NW—Arnick 3 run (Stokes kick)						
NW—Arnick 8 run (Stokes kick)						
NW—Arnick 18 run (Stokes kick)						
NW—Arnick 6 run (Stokes kick)						
NW—Arnack 9 run (Stokes kick)						
NW—Miller 4 run (Kick failed)						
UMR—Dillow 11 pass from Haug (Wisch kick)						

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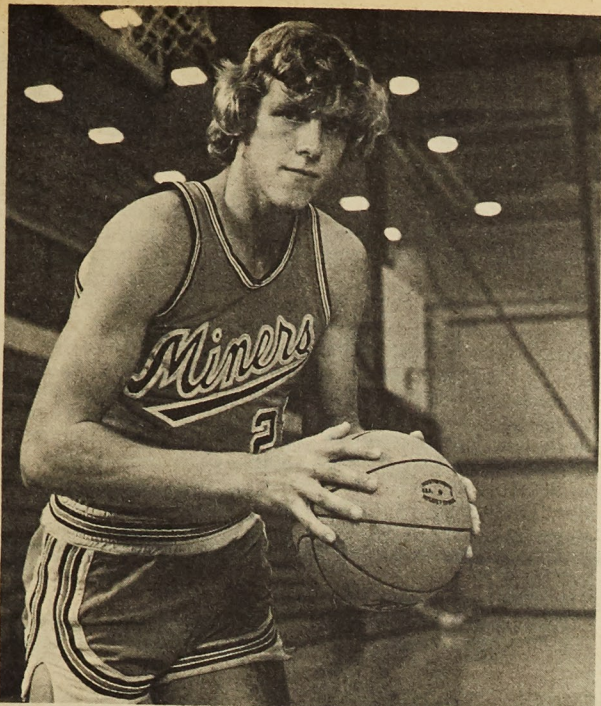
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ROSS KLIE

Basketball Outlook

You cannot look back in college basketball. But how can Head Coach Billy Key keep from doing just that? When varsity basketball begins next week, gone will be two very fine Miner basketballers from last season. With the loss of All-Conference Guard Ken Stalling and the very steady Tommy Noel, the Miners will give up 49 per cent of their offense and 31 per cent of their rebounding strength. Stalling averaged 25.9 points per game and Noel pulled down 11.8 rebounds as well as 14.9 points per game. The Miners will definitely be rebuilding their basketball program this coming season. Basically the Miners will be very young. With only one senior on the roster, the Miners will be inexperienced and lacking height.

The Miners will start with two sophomore forwards, returning lettermen Ross Klie and Bob Stanley. Both saw considerable action last year and both have potential in scoring and

rebounding as well. The Miners will have 2 lettermen guards returning — they are Bob Kissack, the only senior, and junior Royce Vessell. Footballer Merle Dillow at 6-5, the reserve center last year, will see action once again at center.

Coach Billy Key is hoping his Junior College transfers will be able to step in and give some immediate help. Mark Franklin, 6-3, forward from Crowder JC; Bill Walton, 5-11, guard from Richland Center JC of Wisconsin, and Brad Harriman, another footballer, from Belleville, Illinois should have enough experience to step in at any time of any game. The only freshman expected to help immediately is Ron Scroggins, 6-5, forward from Sumner High School, Kansas City, Kansas.

The Miners will open their season against the University of Wisconsin-Stevens Point on November 30th. Undefeated on their home floor the Miners will be after their 12th straight home victory as the season begins.

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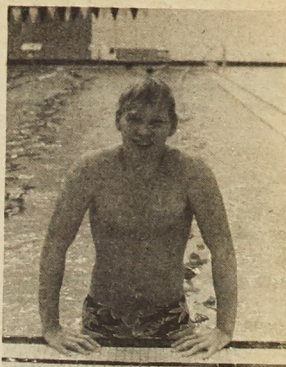
athlete of the week

Nine out of 13 records were broken last Saturday as the UMR Swimming Team opened their season with their annual intrasquad meet at the UMR Pool. Of the four records not broken, three were missed by less than one second.

Of the record breakers, perhaps the most spectacular was freshman Randy Lubbert. Randy, a mining engineering major from Quincy, Illinois, set two new intrasquad records in the 700 and 400 yard freestyles. The longer race was the most impressive as Randy smashed the two year old record of 8:18.8 down to 7:20.9, a drop of 57.9 seconds. In the 400 he lowered the record six seconds; down to 4:03.9 from the old time of 4:09.9 set last year by Bill Orr. Orr went on to become one of UMR's two All-American swimmers.

Randy is just one of a strong group of freshman who should help lead Miner swimming to its best season ever.

In last week's M-Club Athlete of the Week article it was mentioned that the soccer club is mainly financed by a \$300 grant from the Student Union. This is incorrect and a mistake on our part. The \$300 grant is from the Student Council.



RANDY LUBBERT

Finals Begin

The Intramural basketball finals began Tuesday at 7:30 with league one champ TKE meeting league three runner up Alpha Phi Alpha. League four champ Beta Sig meets league two runner up Campus Club. League two champ Tech Club goes against league four runner up Pikers. And MRHA, number one in league three, meets the winner of the Wesley-GDI game, which is for second place in league one.

In soccer, TKE is emulating

their success in basketball, as they are undefeated in league one. Tech also seems to have a strangle hold on league two, although Phi Kap could still challenge. In league three, both Sig Ep and Lambda Chi are still undefeated. And in league four, it is still a race between Engine, Pikers, and Beta Sig.

First semester action concludes with these sports, and the conclusion of billiards and table tennis singles and doubles. Get out and watch the games!

Ruggers Whip KCRC

Hello, hello, hello and welcome once again to the wonderful world of Rugby! You guessed it The UMR Rugby Club (Hooray!) entertained the Kansas City Rugby Club, here,

last Saturday on our own sand and gravel intramural fields and boy-oh-boy did good 'ole Rolla's team do some leather ballin'.

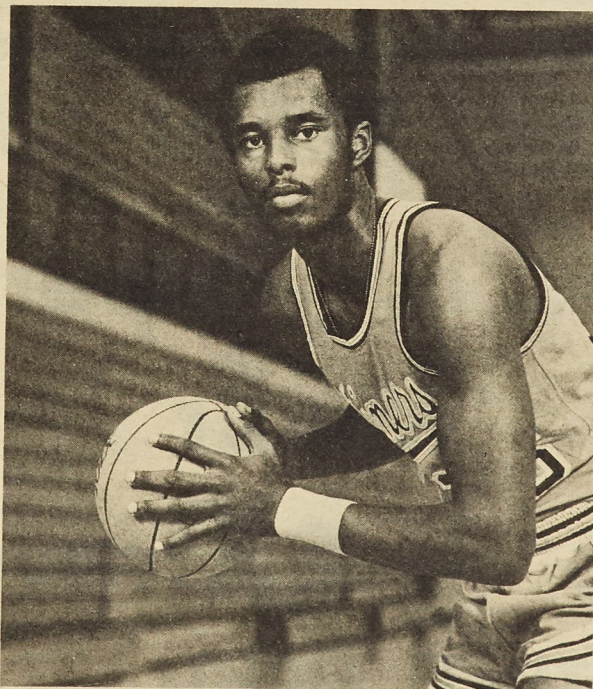
The Ruggers thoroughly

trounced K.C.R.C. by a score of 28-0 and even though it was a bit lopsided the game was enchantingly exciting and fun-filled. Even during the fine Rolla weather we had. (Rain and cold of course).

The melee all started when Mark Brown ran in a perfectly executed pass off the palms of Steve Perko for the first try (score), and after that Rolla just "tried" and "tried" and "tried". Mark Hicks scored one for the crowd on a fine run from mid-field. In the second half the UMR backs looked like so many running backs from Notre Dame, they all passed, ran and tackled with such finesse and poise that it could be classified as nothing but spectacular. Mark Brown, Mark Ryan, Jimmy Doubek and Steve Perko all made fine trys (scores) and Perko's kick attempts were good for 4 more points. Mark Ryan's try was probably the most spectacular when he kicked a dribbler into Kansas City's end zone and then out hussled their full back for a UMR score.

The Rugby Club would like to thank all those wonderful Kappa Delta's from Rolla and Drury College who came down and cheered at the game and also to Sig Ep whose facilities allowed us to have one of the best after game Rugby parties this year.

The Ruggers travel to Cape Girardeau to play S.E. Mo. So come on down to cotton country and help us out with some good 'ole Rolla spirit.



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9 of 13 Records Fall In Intrasquad Meet

The MIAA defending champion Missouri Miner swimming team opened its season last Saturday with an intrasquad meet. Although one may chuckle over the fact they opened the season in such a manner, this gives Coach Bob Pease an excellent opportunity to evaluate his team and to see how they will react in meet conditions.

The results of the meet show that this is the best Miner swimming team ever. Nine of thirteen records were broken, and what is even more impressive, the nine records were broken by sixteen individuals—showing the great depth of the team.

The team divided up under the two captains, Mark Mateer and Jim West. The two captains then used the members of his team as best he could. (Coach Pease divided up the swimmers as evenly as he could). The first event was the 200 yard medley relay, and both teams broke the old record by four seconds. In the 700 yard freestyle the old record was 8:18.4. Randy Lubbert swam a 7:20.9 and Leonard Wolff went 7:34.8!

All-American Bill Orr knocked more than seven seconds off the old record in the 200 free, and three other swimmers were within six seconds of the old record. Both Rusty Curtis and Jim West got within a half second of the old record in the 50 free, and Larry

Molina and Darrell Woodruff did well in the 200 individual medley.

Diving has always been an event the Miners don't do well in, but no more. Steve Suellentrop set a new record in the one meter and the three meter events, looking very good in the first judged diving of the year. His two new sidekicks, Steve Keaveny and Mike Oclon also looked very good, giving Sullie good competition each time.

All-American Mike Norberg broke the old record in the 150 fly, with Mark Mateer missing the record by only half a second. Bill Kroeger and Bob McCarthy both broke the old record in the 150 backstroke, and Randy Lubbert and Leonard Wolff did likewise in the 400 free. The breaststroke is normally a weak event for the Miners, but not this year. There were four swimmers who shattered the old record, Bill Orr, Phil Henry, Tim Kirschbaum and Bill Campbell.

The final event was the 400 free relay. Few Miners have ever had 51 second splits in their 100 yard segment. Saturday there were four swimmers who got in with 51 second clockings. And considering most meet events are won or lost by a few seconds, it is really something to take note of when four people can do 51 seconds in the 400 free relay.

Incidentally, in deference to Mark Mateer's coaching ability, his team won, 75-38.

Coach Pease was very pleased with the meet. He mentioned that Norberg, Orr, Kroeger, West, Mateer, Lubbert and Wolff all did very well. He felt that the team would be hurting the most in the sprints, breaststroke and diving. But all three of these events looked suprisingly strong on Saturday. Coach Pease said that this was his best team ever and to look

for quite a few of them to be going to the national championships in Cleveland come March.

The Miners can thus say the first week of the season was a success. They hope they can say the same thing about this next week as they take on the always powerful Drury. Drury finished 12th in the NAIA tournament last year and have six All-Americans. They will be in Rolla this Saturday for a meet that begins at 4:30. Some very

interesting matchups to look for will be Kroeger against Germer in the back, Norberg against Eggers in the fly, Orr against Schrier in the IM and free, and Lubbert and Wolff against King in the distance events.

The Miners have a good chance to win, and the times should be extremely fast with two such fine teams facing each other.

Judges and timers are needed for the meet!

UNIVERSITY OF MISSOURI-ROLLA Swimming Schedule 1974-75

DATE	OPPONENT	PLACE	TIME
Nov. 23	Drury College	Rolla	7:00 p.m.
Dec. 14	Miner Relays	Rolla	1:00 p.m.
Jan. 10	Western Kentucky University	Rolla	7:00 p.m.
Jan. 11	Jeff City Swim Club (Jr. Var.)	Rolla	2:00 p.m.
Jan. 17	Western Illinois University	Macomb, Ill.	7:00 p.m.
Jan. 18	Eastern Illinois University	Charleston, Ill.	1:00 p.m.
Jan. 24	Vanderbilt University	Nashville, Tenn.	7:30 p.m.
Jan. 25	Georgia Tech	Atlanta, Ga.	3:00 p.m.
Jan. 30	University of Missouri-Columbia	Columbia	7:30 p.m.
Feb. 1	Central Missouri State	Rolla	2:00 p.m.
Feb. 8	Southeast Missouri State & University of Arkansas-Little Rock	Cape Girardeau	2:00 p.m.
Feb. 14	Southwest Missouri State	Rolla	
Feb. 15	Drury College	Springfield	
Feb. 22	Bear-Panther Invitational	Springfield	
Mar. 7-8	MIAA Championships	Cape Girardeau	
Mar. 20-22	NCAA Div. II Championships	Cleveland, Ohio	

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kickers end with loss

The Soccer Miners failed in their attempt to end their season on a high note by losing to Columbia College 6-4 last Friday on the winner's field. The action was wide open, with play moving from end to end like a hockey game. This was due largely to the piece of real estate absurdly called a soccer field. The field was extremely short (almost to the point of being square) and positioned on the side of a noticeable hill.

UMR reeled off three goals in the first ten minutes, one by Tom Zraggen and two by Paul

Telthorst. But Columbia was not to be caught lying down as they used the nemesis of the UMR backfield, the fast break, to storm back with four goals of their own, making the halftime score, 4-3, Columbia. The UMR Green did not give up. Tom Zraggen knotted the score at 4-4 with a penalty shot early in the second half. But then, another defensive lapse allowed the Columbians to hit their long, outside shots for two more goals. They then shrunk back in a defensive stall to hang on for a 6-4 win.

But the game wasn't all that

the soccer Miners lost. Of the nineteen players that made the trip, only eight will return next year. Those graduating are, forwards, Tom Zraggen, Larry Mertens, Randy Nichols, Tom Rechtein, Rich Dolan, Mike Lampe; Backs, Tom Tanner, Ken Jinkerson, Mike Schmidt, Tom Schnieder; Goalie, Mark Miller. The presence of these men will be sorely missed, as they saw the club through the painful, growing years. We hope their spirit is carried on by the remaining members of the team.

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- 6—NOTRE DAME
- 7—NEBRASKA
- 8—TEXAS A & M
- 9—AUBURN
- 10—PENN STATE

- 11—MARYLAND
- 12—BAYLOR
- 13—TEXAS
- 14—MICHIGAN STATE
- 15—NO. CAROLINA ST.

- 16—HOUSTON
- 17—GEORGIA
- 18—MIAMI (Ohio)
- 19—OKLAHOMA ST.
- 20—KENTUCKY

Saturday, Nov. 23rd — Major Colleges

Arizona State	31	Colorado State	21
Arizona	28	Wyoming	7
Arkansas	23	Texas Tech	17
Baylor	20	S.M.U.	15
Boise State	31	Idaho	14
Boston College	45	Massachusetts	7
Bowling Green	24	San Diego State	23
Brigham Young	40	Utah	13
Brown	31	Columbia	6
California	24	Stanford	10
Cincinnati	35	Chattanooga	0
Citadel	28	Davidson	17
Clemson	30	South Carolina	14
Colorado	21	Kansas State	17
Dartmouth	28	Pennsylvania	20
East Carolina	24	V.M.I.	14
Fresno State	16	Hawaii	6
Holy Cross	28	Connecticut	7
Houston	14	Florida State	13
Illinois State	29	Southern Illinois	20
Illinois	23	Northwestern	13
Indiana	27	Purdue	21
Kentucky	35	Tennessee	12
Lamar	25	Arlington	20
Long Beach	24	Texas Tech	7
L.S.U.	38	Tulane	7
Maryland	34	Virginia	0
Memphis State	28	Wichita	15
Miami, Fla.	28	Syracuse	10
Michigan State	21	Iowa	14
Mississippi State	21	Mississippi	14
Missouri	28	Kansas	27
New Mexico	27	U.T.E.P.	24
North Carolina	33	Duke	17
Notre Dame	22	Air Force	6
Ohio State	27	Michigan	16
Ohio U.	27	Marshall	13
Oklahoma State	21	Iowa State	22
Oklahoma	22	Nebraska	20
Oregon State	24	Cornell	6
Penn State	27	T.C.U.	19
Princeton	22	William & Mary	14
Rice	26	Colgate	10
Richmond	31	SW Louisiana	14
Rutgers	23	U.C.L.A.	14
San Jose State	17	South'n Mississippi	6
Southern California	42	Villanova	7
Temple	30	Eastern Michigan	21
Toledo	30	Weber	7
Utah State	35	Louisville	21
Vanderbilt	26	Furman	23
Wake Forest	28	Washington State	22
Washington	24	V.P.I.	13
West Virginia	35	Minnesota	9
Wisconsin	14	Harvard	
Yale			

Other Games — East

C W Post	28	New York Tech	6
Delaware	45	Bucknell	7
Lehigh	35	Lafayette	13
Moravian	21	Muhlenberg	13
Sewanee	20	Fordham	10
**Shippensburg	27	Madison	17
Southern Connecticut	24	Trenton State	15
Wagner	24	Hofstra	6
Western Maryland	20	Johns Hopkins	14

Other Games — Midwest

Cameron	21	E. Central Oklahoma	10
Central Missouri	24	Lincoln	13
NW Oklahoma	20	Langston	14
SE Missouri	27	NE Missouri	17
SW Missouri	21	Rolla	7
SW Oklahoma	24	Central Oklahoma	17

Other Games — South & Southwest

Abilene Christian	29	Howard Payne	17
Alabama A & M	21	Miles	13
Albany State	24	Fort Valley	23
Angelo State	27	Sul Ross	16
Arkansas State	24	McNeese State	20

South & Southwest (continued)

Bethune-Cookman	23	Florida A & M	15
Carson-Newman	28	Mars Hill	20
Delta	24	Nicholls	16
East Tennessee	28	Austin Peay	12
East Texas	42	Tarleton	8
Eastern Kentucky	17	Morehead	0
Elon	35	Winston-Salem	14
Fisk	20	Morehouse	17
Grambling	21	Southern U	7
Henderson	21	Quachita	20
Jackson State	21	Alcorn A & M	10
Jacksonville	27	North Alabama	14
Lenoir-Rhyne	27	Catawba	14
Livingston	26	Martin	14
Louisiana Tech	30	NE Louisiana	17
Mississippi Valley	21	Bishop	7
No. Carolina Central	22	No Carolina A & T	17
S F Austin	16	Sam Houston	13
Savannah State	31	Knoxville	14
So Carolina State	34	Delaware State	14
SE Louisiana	23	NW Louisiana	7
Southern State	27	Monticello	20
State College	24	Harding	15
Tennessee Tech	34	Middle Tennessee	20
Texas A & I	38	Southwest Texas	15
Texas Southern	23	Prairie View	21
Virginia State	36	J C Smith	0
Virginia Union	28	Hampton	10
Western Carolina	31	Wofford	6
Western Kentucky	14	Murray	13

Other Games — Far West

Cal Poly (S.L.O.)	30	Hayward	7
Davis	27	Fullerton	15
Eastern New Mexico	31	Western New Mexico	6
Fort Lewis	21	Southern Colorado	17
LaVerne	24	Claremont	12
Los Angeles	22	Northridge	10
Nevada (Las Vegas)	35	Idaho State	13
Occidental	20	Pomona	10
Redlands	21	Whittier	16
Riverside	38	San Diego U	6
U.S.I.U.	28	Azusa	13

(**Friday games)

Wednesday, November 27th

Cal Poly (S.L.O.)	29	Los Angeles	17
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Thanksgiving Day — Thurs., Nov. 28th

C W Post	31	Hofstra	7
Clark	20	Morris Brown	14
Mississippi Valley	28	Alabama State	12
Presbyterian	24	Newberry	20
Tuskegee	42	Hampton	0

Friday, November 29th

Alabama	27	Auburn	14
Texas	27	Texas A & M	21

Saturday, November 30th

Arizona State	28	Arizona	24
Baylor	21	Rice	10
Boston College	42	Holy Cross	7
Cincinnati	24	NE Louisiana	16
Florida	27	Miami, Fla.	17
Georgia	27	Georgia Tech	7
Houston	21	Tulsa	20
L.S.U.	35	Utah	13
Navy	28	Oklahoma State	7
Oklahoma	31	Hawaii	13
Rutgers	28	Utah State	20
San Diego State	24	Notre Dame	6
Southern California	30	Florida A & M	17
Tampa	21	Vanderbilt	6
Tennessee	21	Louisville	
West Texas	21		

Saturday, December 7th

Arizona State	41	Hawaii	7
Tuskegee	30	Alabama State	7

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To have your classified ad or message placed in the Miner, drop it by the office in building T-1 any week day between 1:00-3:00 or mail it to the Missouri Miner, Univ. of Mo.-Rolla. The cost is \$1.00 per week and payment must accompany ad. Ads must be limited to 30 words. Please have them typed or printed clearly.

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**No Issue Next Week
Due To Thanksgiving
Vacation**



**when you want
to chase a beer
with a beer.**

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crossword puzzle

Answer to Puzzle No. 119

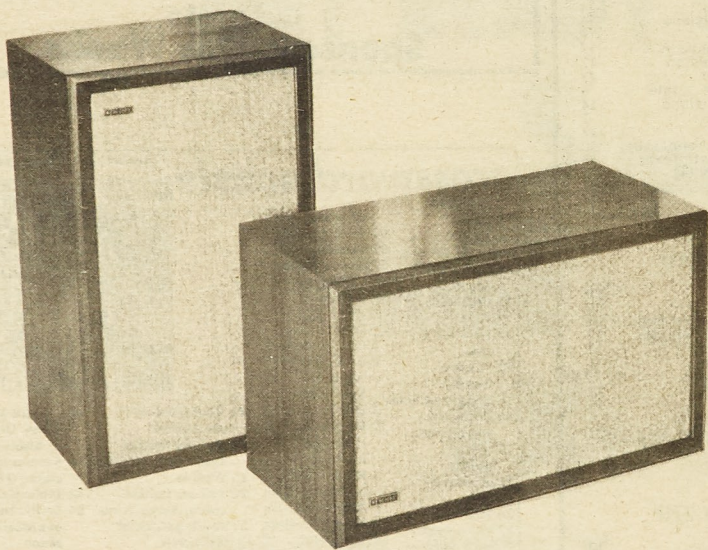
1 Whirl	of respect	21 Root from which poi is made	43 Famous football coach, University of Alabama
5 Healthy	63 River in Italy	23 Famous football coach, Arizona State	46 Famous football coach, U.S.C.
9 — de Janeiro	65 Feminine name	25 Weaken	48 Diplomatic agent
12 Honolulu's Island	67 Certain beans	26 Famous football coach, Auburn Univ.	51 Suffix: recipient of a specified action
13 Comedian	68 Condolence	27 Greek goddess of witchcraft	53 Symbol: xenon
14 Hardwood tree	69 Live wire	28 Combining form: ten (var.)	56 Forty winks
15 "Liberty — death!"		30 Speaker's platform	58 Crimson
16 Dissenting votes	3 Indo-Hittite (ab.)	33 Name	60 Golf term
18 A frigate, for example	4 Franciscan sister, for instance	35 United States Information Service (ab.)	61 Conjunction
20 — Paul, Minn.	5 Famous football coach, Ohio State University	38 Mode of transportation	64 State (ab.)
22 A security	6 French province	40 Design	66 Preposition
24 Pilgrimage	7 State (ab.)		
27 Word used with pin and liner	8 Adjectival suffix		
29 Glide along easily	9 Famous football coach, University of Texas		
31 Northern constellation	10 State (ab.)		
32 White plumed heron	11 Book: I'm —, You're —		
34 A son of Isaac	17 Jazz Singer		
36 Symbol: bromine	19 Interjection		

12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69

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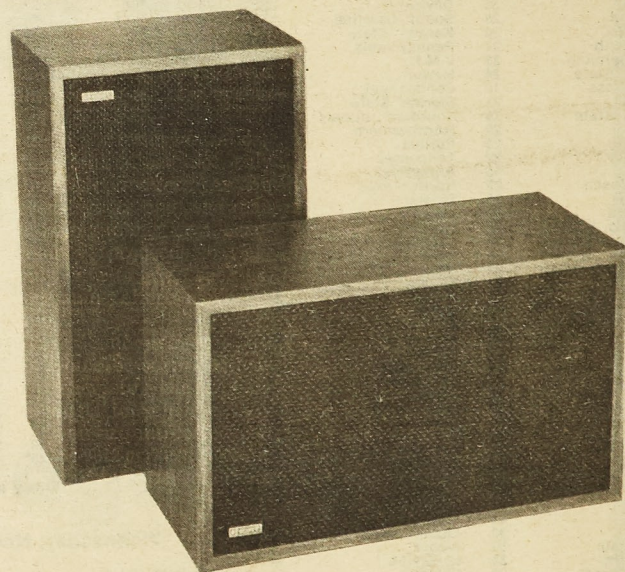
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