



15 Oct 1981

The Missouri Miner, October 15, 1981

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Calendar Of Events Calendar Of Events Calendar Of Events Calendar Of Events Calendar

Editor's Note: If your organization is having a meeting, turn in details to the MINER office in Building T-1 before Monday at 9 p.m. and we will list it in the Activities Section of the paper. No articles submitted will be printed unless written in complete sentences with proper grammar. No schedule or flyers will be rewritten and published by the staff for the Activities Section.

If your organization is sponsoring a campus-wide event for the benefit of charity, get us details before Monday at 9:00 p.m. We will advertise the event free of charge in this space.

The MINER reserves the right to edit any notices or ads for this page before publication.

THURSDAY

TONIGHT'S MOVIE

The UMR film series presents the movie Mean Streets directed by Martin Scorsese. Harvey Keitel and Robert DeNiro star in the story of a slow climb up the hierarchy of a local Mafia family in New York's Little Italy. "Better than the Godfather," said Jay Cubit of the Des Moines Register. Movies are shown every Thursday at 7:30 p.m. in the ME Auditorium (Room 104). The cost is \$2.25 at the door.

ROLLAMO PHOTOGRAPHERS

There is no photography staff meeting tonight. Have a good weekend. There will be a meeting next Thursday, Oct. 22, at 9:45 p.m. Be there or call Mike Schmidt.

HP-41C USER'S CLUB

The HP-41C User's Club of UMR is meeting tonight, 10-15-81, in EE 105 from 7:00-8:00 p.m.

INTERNATIONAL STUDENTS CLUB

There will be a meeting tonight at 7:00 p.m. in G-5, H-SS to discuss the International Day program on Nov. 20.



"WE'VE GOT A DATE NOV. 19th."

"That's when the American Cancer Society asks every smoker in America to give up cigarettes for a day. Give it a try. You might find you can quit forever."

THE GREAT AMERICAN SMOKEOUT

American Cancer Society

Missouri Miner

The Missouri Miner is the official publication of the students of the University of Missouri at Rolla. It is published weekly at Rolla, Missouri. The Missouri Miner features activities of the students and faculty of UMR.

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Subscriptions are available to the general readership at a rate of \$6 per semester. Articles and photos for publication in the Miner must be in by 9:00 p.m. on Monday before distribution on Thursday.

THE MISSOURI MINER
T-1, 341-4235
University of Missouri-Rolla
Rolla, MO 65401

FRIDAY

STUCO FREE DAY

A reminder that Friday, Oct. 16, is Student Council Free Day this semester. There will be no classes that day.

BOXING PRACTICE

7:00-9:00 p.m. in multi-purpose building. Practice for Lambda Chi Alpha's "Third Annual Night At The Fights" to be held Friday, Oct. 30.

SATURDAY

AEPI

Come and get bashed at AEPI's 4th annual BIG BASH. Coming your way Oct. 24 at #4 Fraternity Drive. Aloha!

HELIK FIELD TRIP

Helix is sponsoring a field trip to the Ralston Purina research farm on November 7. The trip is open to any student and admission is free. Anyone who would like to go must sign up before the deadline of Oct. 22. Sign up in the Life Sciences office, G-3 Chemical Engineering Building.

TUESDAY

SOUTHWINDS

There will be a Southwinds meeting, Tuesday Oct. 20 in H-SS, room G-7 at 8:00 p.m. Memberships will be taken.

CO-OP

The UMR Cooperative Education Association will be having a meeting, Tuesday, Oct. 20, at 7:30 p.m. The meeting will be held in the Mark Twain Room of the University Center-East.

STUDENT COUNCIL

The Student Council will hold an open meeting on Oct. 20, 1981 at 6:30 p.m. in 104 ME Auditorium, to discuss proposed fee increases.

WEDNESDAY

MSM SPELUNKERS CLUB

MSM Spelunkers Club meets every Wednesday at 6:15 p.m. in room 305 Norwood Hall. New members always welcome.

HP-41C USER'S CLUB

Interested in becoming a member of the HP-41C User's Club of UMR, but can't come to the regular meetings (1st and 3rd Thursdays of each month in EE 105, presently)? There will be a special meeting 10-21-81 at 7:00 p.m. in EE 103 to decide whether or not to make a regular meeting on Wednesdays. (Directly after the meeting there will be a "synthetic" programming tutorial session.)

SOCIETY OF PHYSICS STUDENTS

The Society of Physics Students will hold a general meeting at 7:00 p.m. on Wednesday, Oct. 21, in Physics 104. Topics will include possible inter-departmental presentations, lab tours, and summer jobs. Also, the Bell Lab film, "Three Degrees" will be shown. All members please attend.

ASME

On Wednesday, Oct. 21, the American Society of Mechanical Engineers will have as their guest speaker Al Buescher from the Ralston Purina Company. The topic of discussion will be "Engineering at Ralston - A Challenging Profession for Problem Solvers." The meeting will be held at 7:00 p.m. in the ME Auditorium. New membership will be accepted and refreshments will be served. Everyone is invited.

HELIK

Helix is having an important meeting Wednesday, Oct. 21, at 7 p.m. in Room 121 Chemical Engineering. Topics include the field trip and speakers. Helix is open to all life science majors and pre-nursing students.

NODAY

SOUTHWINDS

Monday, Oct. 19, and Tuesday Oct. 20, from 9:30-10:30 at the Breezeway. Both old and new editions of Southwinds will be sold.

STUDENT ORGANIZATION AUDITS

Any campus organization involving UMR students needs to contact student Activities Director Lou Moss, 202 Rolla Building, giving him pertinent information as to new officers, etc.

SPORTS BOOKS PUT ON RESERVE

Professor Nau has placed on reserve at the Wilson Library three sports-related books from the Remington Sportsmen's Library. They are "Skeet Shooting" (Nau's reserve No. 6), "Trap Shooting" (Nau's reserve No. 7) and "Outdoor Tips" (Nau's reserve No. 8). All interested sportsmen are welcome to use the books.

Correction

The phone number given for the Office of Financial Services in the Oct. 8 issue was incorrect. The correct number is 341-4065. We apologize for any inconvenience.

UPTOWN
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SUB Scripts

SUBMITTED BY SUB

The new Indoor Recreation Director is Dave Goldammer. On Oct. 18th the movie House Calls will be shown at 4:00 & 6:30 p.m. in Centennial Hall. The Exorcist will be shown on

November 1st at 4:00 & 6:30 p.m. in Centennial Hall. Play for the Table Tennis tournament begins October 22nd. Signups for the Billiards tournament begin Oct. 15 and run until Oct. 28th. Signups for the Chess Tournament begin Oct. 22nd and run until Nov. 4th.

The Miner currently has several staff openings for:

**News Writers
Investigative Reporters**

If you are interested in applying for these positions, come to the Miner office, Bldg. T-1, Monday night at 9 p.m. or call the office.

Recycling aids Rolla community

By ELLEN HENDRICKS

Everyone knows that like many cities, Rolla has a recycling center. Everyone also realizes that its good for the ecology and economy to utilize the center. But do they know why?

First, for the economy, recycling is cost effective. It costs less to manufacture, for example, a bottle, if the material is not raw sand. Also, here in Rolla, use of the recycling center is free while curbside pickup or use of the Phelps County landfill costs. For the ecology, recycling

helps in many ways. One is if fewer resources are used, they will last longer and be beneficial too. Trees, for example, are beneficial, both as a resource for paper, and in being aesthetically pleasing. Another is that landfills get filled less quickly. If all the recyclable items aren't buried along with the garbage, it leaves more room for the garbage, and this means less pollution.

The Rolla Recycling Center at 10th and Oak is open 24 hours a day with the office open 8-4:30 six days a

week. Along with the usual newspapers, tin and aluminum cans, glass, they also accept computer cards, printout paper and used motor oil. They ask that one doesn't bring garbage, plastics, clothes or shoes, light bulbs or dishwear. They also ask that cans and bottles be cleaned to cut down on odor and insects and that each material be placed in the proper bins. It's there for use and its free, so help the economy and ecology and use it.



The Rolla Recycling Center at 10th and Oak Streets has facilities to accept paper, glass, tin cans and other reusable materials. Recycling conserves natural resources and lowers the cost of producing goods that require these materials. (Photo by Hardesty)

News

Thursday, Oct. 15, 1981
MISSOURI MINER
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NATO representatives to make slide presentation at UMR

SOURCE: OPI

An international briefing team from the Supreme Allied Commander Atlantic (SACLANT) of NATO will visit UMR Thursday, Oct. 22. That evening the team will make a public presentation with a slide show and question-and-answer session at 7:30 in Centennial Hall, University Center-East.

In addition to answers to individual questions, the team will discuss the genesis of the NATO alliance, its organization and administration, the Soviet military threat, NATO's answer to that threat and the

Allied Command Atlantic's role in the overall strategy.

The briefing team will be composed of an American admiral, who will serve as team leader, and four naval officers from other NATO countries. Team members are: Rear Adm. Paul H. Spear, chief of staff to Supreme Allied Commander Atlantic, United States; Capt. Fred Akkerman, Netherlands; Lt. Cmdr. Mike Hatoon, United Kingdom; Cmdr. Jim C. Bayn, Canada; and Cmdr. Thor Johansen, Norway.

"UMR's selection to host a visit by the SACLANT briefing team is quite an

honor," said Lt. Col. Fred Butler, UMR professor of military science. "The team's presentation will enhance the academic offerings at UMR. It also should prove to be informative and valuable for the general public."

SACLANT headquarters in Norfolk, Va. is the only Allied naval headquarters located in the United States. It is staffed by about 300 officers and enlisted and civilian personnel from many of the 15 member nations of NATO.

For more information on the team visit, contact Col. Butler at 314-341-4744.

Personal and educational skills workshop series to start Oct. 21

A workshop series covering personal and educational skills important in academic success will be presented by Dr. Robinson and Schowengerdt in the Mark Twain Room of the University Center-East from 3:00 to 4:30 p.m. starting on Wednesday, Oct. 21. Students and faculty are welcome to attend any or all of the following sessions.

Wednesday, Oct. 21 — Stress and Its Management.

This session will deal with the topic of stress and its effects on individuals when they are in situations that involve some form of threat, either physical, or psychological threat like tests, job interviews or giving speeches.

Wednesday, Oct. 28 — Relaxation coping Strategies.

Various relaxation techniques can be helpful for not only coping with situational stress but can also become important skills for reducing the effects of

anxiety in one's daily life. Several standard breathing and muscle relaxation techniques will be introduced that individuals can practice on their own. The benefits of hobbies and exercise will also be discussed.

Wednesday, Nov. 4 — Open Date.

Wednesday, Nov. 11 — Behavioral Coping Strategies

A number of specific skills are involved in becoming an efficient learner. Some of the ones that UMR students

commonly need help with will be discussed at this session including time management, study effectiveness, and test taking techniques.

Wednesday, Nov. 18 — Cognitive Coping Strategies

This session will cover the dynamics of attitude, self-talk, and the subjective evaluation of one's situation as these processes effect academic success. Models for more positive and rational cognitive functioning will be presented.

Scholarship service provides fund sources

SOURCE: CPS

"It's a common misconception that scholarships are only awarded on the basis of financial need or grades alone," says Daniel Cassidy, president of the National Scholarship Research Service.

Cassidy, founder of the two-year-old company that uses computers to provide college students with individualized lists of grant sources, did quite a bit of scholarship sleuthing for himself while he was in college. "I was able to attend the University of San Francisco and Yale on \$20,000 in grants," said Cassidy, "but even with that much money, I still had to sell my car to finish."

In fact, there were — and are — all kinds of scholarships available. For example:

- A Seattle judge set up a scholarship for reformed prostitutes.

- A Pennsylvania college offers four scholarships to needy left-handers.

- The University of Arizona has scholarships for rodeo riders.

- A Texas foundation offers scholarships of up to \$2500 to help foster better relations between the citizens of the Lone Star State and the people of Sweden.

The trick, of course, is finding out about those and other kinds of aids. Cassidy advises students to make use of all local scholarship reference sources.

"Start with your financial aid office, then your instructors and local clubs and business organizations. These people generally know

Student Council to discuss activity fee increases

SUBMITTED BY
STUDENT COUNCIL

On Tuesday, Oct. 20 at 6:30 p.m. in the ME auditorium the Student Council will have an open meeting to discuss the proposed student activity fee increases. Members from organizations as well as the general public are invited to attend. Representatives for the various groups for which activity fees are ap-

propriated will be on hand to explain their reasons for the necessity of a fee increase. Some of the groups which receive appropriations from these fees and which are asking for an increase include the University Center, the athletic department, the golf course, and the Student Union Board. This meeting will coincide with the regularly scheduled meeting of the Student Council.

UMR jazz concert to be Tues. Oct. 20

SOURCE: OPI

Jazz I, II and III from the University of Missouri-Rolla will present a concert at 8 p.m. Tuesday, Oct. 20, at the Cedar Street Center, Seventh and Cedar streets.

Jazz II will open the program with several selections, including "Blue Orleans," "MacArthur Park" and "Dichotomy." Jazz III will follow with

"Prime Time," "Jamie" and "Acropolis 7844."

Jazz I will conclude the concert with "Time Check," "Sophia," "Chelsea Bridge," "Mercy, Mercy, Mercy," "Tuning Up" and "Ramon Lopez."

The concert is free and the public is invited. All three groups will be conducted by Thomas Reuss, UMR lecturer in music.

UW students can't change majors

SOURCE: CPS

SEATTLE, WA — University of Washington students have to give up a routine and normal part of student life: They are no longer allowed to change their majors.

Moreover, the 10,000-some UW students who have yet to declare a major won't be able to choose one.

Then again, many of those students — about 3,600 — may be dropped from the university altogether.

Forcing 3,600 students out of the university is just one of the contingency plans offered by UW administrators if a precipitous fiscal crisis in the state isn't resolved soon. UW, while only one of the state colleges and universities affected by the emergency, is Washington's largest campus, and the one scheduled to lose the most amount of money.

Until UW administrators decide which programs they have to cancel, they've stopped students from declaring or switching majors to prevent students from choosing majors that may be eliminated.

The troubles began last month when state Gov. John Spellman unexpectedly ordered a ten percent budget cut for all state schools and agencies. The university's share amounted to \$33 million off its two-year operating budget, which UW President William Gerberding termed a "disaster."

The university stands to lose twice as much if a lawsuit brought against the state by primary and secondary schools succeeds. Combined with the effects of the Reagan cuts in federal education programs, the fear is that "you won't even recognize this university," says one campus reporter.

"It's mainly a problem of the economy," says admissions director Tim Washburn, who has announced an indefinite freeze on applications to the campus until the crisis passes.

"The state's lumber industry is really hurting," Washburn says, "and thus our tax base is way down. The problem is Washington has no state income tax, and it isn't likely they're going to establish one at any time in the future."

"It's just a mess all over," groans Information Services Manager Louise Hasty, who

discounts the governor's budget-cutting rationale as "a lot of garbage."

"(The reduction order) was just a bolt out of the blue," she says.

"Right now we're faced with laying off something like 260 faculty members alone, not counting other staff personnel," Hasty mourns. "And all those federal aid cuts are going to come on top of all of this. As far as federally-assisted research goes, we're simply going to go down the pipe."

Lawyers representing the state's lower-level schools

have sued the governor, claiming the state constitution guarantees full funding for elementary and high schools. The state constitution clause doesn't apply to colleges.

If the suit succeeds — as many think likely — other state agencies would have to bear more of the cuts. The University of Washington

would then have to cut \$60 million from its budget, instead of the current \$33 million.

"We're numbed by the whole thing," says a reporter at the campus paper, the Daily.

See Page 6

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Prakash writes paper

By CHRIS RANSOM

Shamsher Prakash, Professor of Civil Engineering here at UMR, presented a paper at the 10th International Conference on Soil Mechanics and Foundation Engineering that was held in Stockholm Sweden in June of '81. Prakash's paper was titled "Observed and Predicted Response of a Machine Foundation." (Vijay K. Puri, also of UMR, was co-author). Prakash also presented a paper in a panel discussion on "the Design of Machine Foundation."

Prakash participated in a workshop on "Soil Dynamics" and was chairman of a seminar on "Dynamic Soil Properties." He also presented a lecture on "Introduction to Yoga" at the workshop.

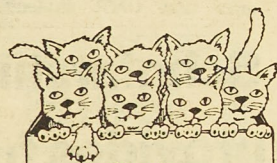
Prakash then traveled to the Norwegian Geotechnical Institute in Oslo to participate in their workshop on "Soil Dynamics and Earthquake Engineering."

From there Prakash visited the Royal Technical Institute and the Danish Geotechnical Institute.

In Washington, D.C., on July 4, 1981, Prakash presided over the 2nd Alumni Meet of Roorkee University. Forty-seven families from Illinois, Michigan, Maryland, Virginia, North Carolina and Missouri participated in this meet.

Last April Prakash chaired the First International Conference on "Recent Advances in Geotechnical Engineering and Soil Dynamics" in St. Louis. Delegates from 27 countries joined this conference.

Prakash is due to return to the University of Roorkee before the end of this year.



FREE
TAKE ONE

See ARTICLE
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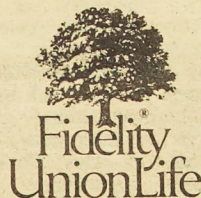
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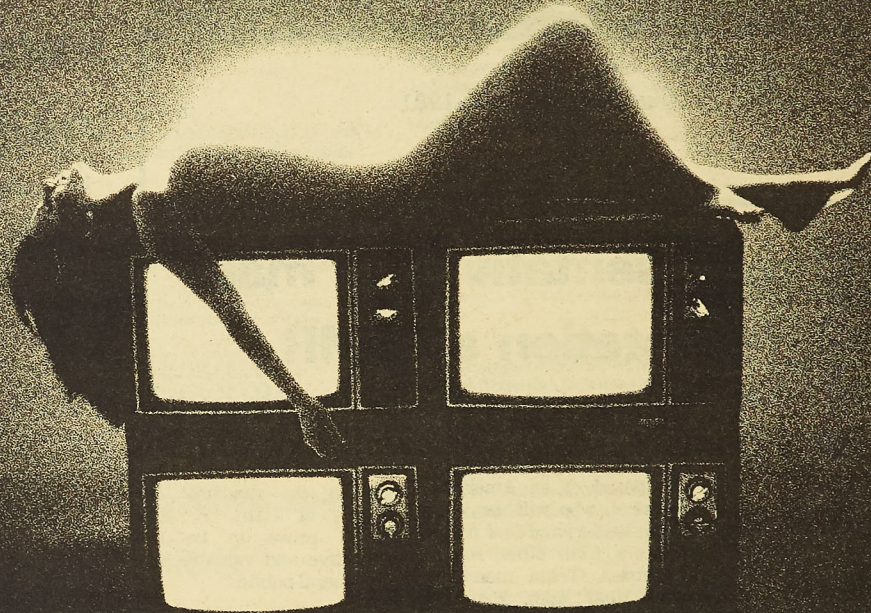
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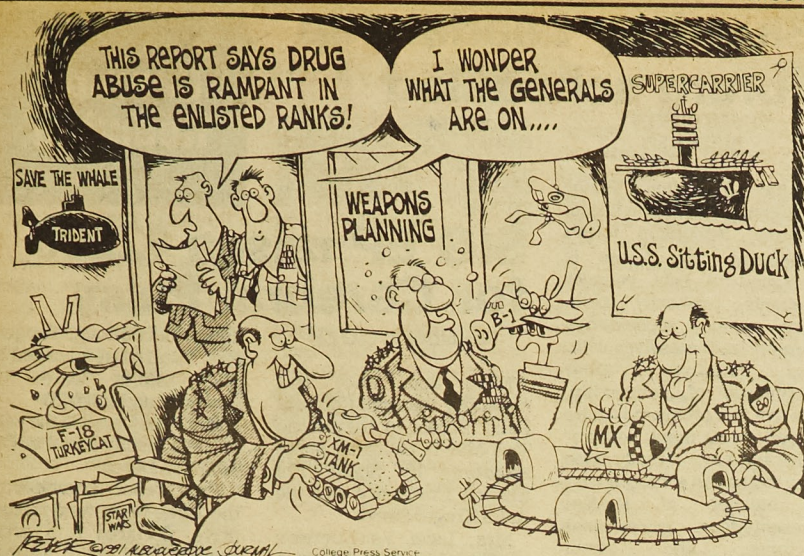
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Teacher wins award for first year's work

SOURCE: OPI

Dr. Oliver Sitton, one of two recipients of an AMOCO Foundation "Outstanding Teaching Award" at the University of Missouri-Rolla this fall, hasn't been teaching all that long. He joined the UMR faculty in August of 1980 as an assistant professor of chemical engineering, and won the award for his first year of teaching.

Along with Dr. David Oglesby, Dr. Sitton will be recognized as an awardee Saturday, Oct. 10, at the annual MSM-UMR Alumni Association Awards Banquet.

"I haven't really formed any 'teaching techniques' yet," Dr. Sitton says. "I'm still very busy with self evaluation, looking for ways to vary my presentations, finding examples to use and trying out new approaches to various problems."

"I do think it is important to evaluate each individual student," he says, "to know what each student is capable of doing. A good course is one where the students work hard and there is a purpose behind the work."

It wasn't so long ago that Dr. Sitton was a student at UMR himself. He received his B.S. degree in 1975, an M.S. in 1976 and his Ph.D. in chemical engineering in 1979. After a year and a half doing corporate research for Monsanto in St. Louis, he returned to Rolla.

"I wanted to get into teaching and basic research

in biochemical engineering, and, because UMR has an excellent reputation in industry for its engineers and scientists, I thought it would be the place for me to work," he said.

During his first year on the faculty, Dr. Sitton taught undergraduate courses in heat transfer, a course for

seniors and graduate students in biochemical engineering, and a graduate course in thermodynamics — on both the Rolla campus and at the UMR Engineering Center in St. Louis.

He is also active in research. He is now working on a variety of biochemical processes in the laboratory.

UMR to offer business graphics course

SOURCE: OPI

The University of Missouri-Rolla will offer a course in "Business Graphics: Visual Communication of Management Information" Oct. 19-20 at the Marriott Pavilion Hotel in St. Louis.

The course has been designed for executives, managers, economists, engineers, scientists and mathematicians who must communicate and manage technical and business information.

Fee for the course is \$295 and includes instruction, all class materials and a

reception. Meals and lodging are not included. Course director is Ralph E. Lee, UMR professor of computer science.

For technical information contact Lee, computer science department,

SAT From page 1

centrated efforts among secondary schools to improve their educational programs. "We hear all the time about efforts around the country to improve school standards, about establishing basic competency levels."

The prolonged slide in SAT scores has long mystified

Mathematics-Computer Science Building, UMR, Rolla, Mo. 65401, phone: 314-341-4491. For more information on the course or to preregister contact: Martha K. Fort, coordinator, Arts & Sciences Continuing

education experts. In 1975, a national advisory panel speculated the decline was triggered by the increasing number of college applicants from deprived economic backgrounds, plus a general slippage in high school academic standards. Yet a much sharper drop in SAT scores from 1975-80, despite

Education, 105A Humanities-Social Sciences Building, UMR, Rolla, Mo. 65401, phone: 314-341-4943.

The course is a continuing education activity of the UMR computer science department.

an increasingly improving secondary curriculum, left experts at a loss for explanation.

Annual St. Pats benefit to be remembered by all on hand

SOURCE: OPI

Thursday, Oct. 8 saw the commemoration of one of the Student Body's most revered events — the St. Pat's Benefit. This gala event, in keeping with the traditional glamor and prestige that always accompanies the reunion of the nation's most highly acclaimed livers, astonished

even this reporter in its fastuosity. The two traditional Maitres de C. led the caroling, each trying to outdo the other in the ceremonial chants that saluted for manhood and womanhood.

The honors went, though, in the second showing, as ROTC demonstrated its insistence on parting with its

ostracitic stand, by blaring forth with the immortal "The Gasoline Pumper" and "The Baker."

All in all, it was a happening that cannot but become an annal in the history of the University at Rolla. Tapes and video can be checked out at the University Engiz on third floor Bngzip.

Free adoption available at Rolla Animal Shelter

SOURCE: OPI

The unwanted and abandoned dogs and cats at the Rolla Animal Shelter, 18th and Sharp Streets, are available for adoption free of charge during the month of October.

The free adoptions are part of the celebration of adopt a dog month, being celebrated at animal shelters nationwide and sponsored locally by the

Phelps County Humane Association (PCHA), a not for profit, volunteer organization.

"Since we had free adoptions for both dogs and cats during adopt a cat month in June we thought we would continue the idea through adopt a dog month," said Charlotte Wiggins, president of PCHA. "We were very pleased with the results of adopt a cat month

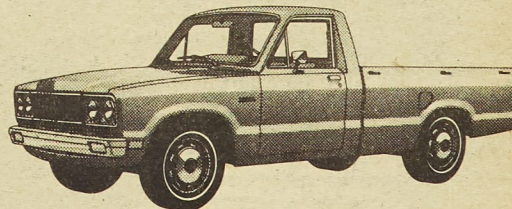
because of the free adoptions," she said. During the month of June 54 dogs and 45 cats found new homes. The average rate for the previous three months had been five dogs and three cats.

"People who adopt dogs during this month will take home a doggie bag with a sample of jerky treats compliments of doglovers farm, and a dog manual," said Mrs. Wiggins. "There will also be a special pet-degree and some informational material about the care and feeding of your pet."

Adoptions may be made by going to the Rolla Animal Shelter, located at 18th and Sharp Streets Monday through Friday, or by making an appointment by calling Rolla Animal Control Officer Bill Alexander at the Rolla Police Department. That number is 364-1213 or 364-1529.

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UMR has acquired a new landmark; these pieces of black polyethylene symbolize the advanced technology of the Twentieth Century. These pieces are displayed east of the Library for public inspection.

(Photo by Gieseke)

UW From page 4

Student government President Clayton Lewis agrees. "We already cut out all the fat from our budget, and there's simply nothing else left."

Lewis says the \$33 million cut will close the university's

departments of forestry, architecture and urban design, education, botany, and speech.

"And our tuition just went up 76 percent," he adds. "It's obvious the state's using a lot of that money for

purposes and sources other than education."

The state legislature two years ago voted to absorb tuition payments into the state's general fund, instead of reserving them to fund higher education.

Lewis warns that the current trend will make UW into "a very mediocre university. The basic question among students here has come down to: 'Am I even going to graduate?'"

Scholarships

From page 3

what's going on in the community," says Cassidy.

His company, National Scholarship Research Service (NSRS), assists graduate and undergraduate students in locating scholarship sources in their field of interest. Of the \$1 billion in educational assistance offered last year, \$135 million went unclaimed. "Most," said Cassidy, "simply because people didn't know who was offering it."

NSRS charges a \$35 processing fee for its research service. Cassidy says that an applicant generally receives from 30 to 50 scholarship sources on their printout, along with additional listings of organizations that have further information on the applicant's career fields. The service's mailing address is: Box 2516, San Rafael, California 94901, or NSRS can be contacted by calling (415) 459-3323.

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Blue Key Leadership Forum scheduled

SUBMITTED BY
BLUE KEY

Blue Key National Honor Fraternity once again has its campus leadership forum scheduled. The forum is designed to help younger students, primarily freshmen and sophomores, familiarize themselves with, and practice various techniques of, leadership. We feel this program is quite beneficial as many hours of planning have already gone into filling the schedule with a balance of student presentations, professional lectures, and group workshops.

The forum is scheduled for Saturday, November 7, from 9:00 a.m. to 3:00 p.m. If you

are interested in attending contact your organization president or call Bob Hee at 364-1490 or Valoree Stone at 341-3560.

SIG EP raises \$2200 for Cerebral Palsy

Submitted by SIG EP

More than \$2200 was raised for the local Cerebral Palsy School in the second Two Minute Shopping Spree sponsored by Sigma Phi Epsilon Fraternity and the Rolla Kroger Store.

Mrs. Lana Van Doren's winning ticket was drawn on October 7 by Rolla Mayor Lou McFarland. In a two-

minute blitz through Kroger, Mrs. Van Doren managed to grab \$300.15 worth of groceries and sundries.

Mrs. Van Doren is the wife of UMR faculty member Dr. Tom Van Doren.

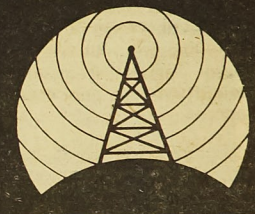
Eric Weber, organizer of the three-week fund-raising drive, declared it a great success and said another such event will be sponsored next year.

KAPPA SIGMA wins achievement awards

The Beta Chi Chapter of Kappa Sigma, University of Missouri-Rolla, was presented with the 1981 National Grand Conclave's top ten award. Only ten such awards were given to the 184-chapter organization. The award is presented to the chapter by the Kappa Sigma National Chapter standards committee based

on outstanding achievements in scholastic and intramural success, campus and community relations and overall brotherhood within the chapter. In addition, the committee format of Beta Chi Chapter was again chosen as the model committee system for all 184 chapters of Kappa Sigma.

News Briefs



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Market research course

SOURCE: OPI

A short course, "Industrial Market Research for the Chemical Industry," will be offered Nov. 4-6 at the Holiday Inn LaGuardia, New York, N.Y. by the University of Missouri-Rolla (UMR).

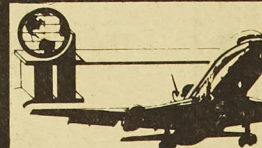
Heating course

SOURCE: OPI

The University of Missouri-Rolla will offer a short course in "Heating and Air Conditioning Systems: Sizing and Energy Estimating" on Friday, Nov. 6.

For technical information contact Ronald Howell, mechanical engineering department, University of Missouri-Rolla, 314-341-4638. For further information or for registration contact Walter Ries, engineering continuing education, 111 Engineering Research Laboratory, University of Missouri-Rolla, 341-4132.

The course is a continuing education activity of the UMR School of Engineering.



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"The right to keep . . . arms shall not be infringed"

By DR. GEORGE
S. BENSON
President
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The controversy over gun control can certainly be made very complicated, but in point of fact it is very simple. The case for the right to keep and bear arms can certainly be based on logic and reason, but generally it hinges on the wording of the Second Amendment.

It will be recalled that most of the States refused to adopt the Constitution unless a Bill of Rights was appended. The people of the infant Republic felt the central government needed more specific limitations. So

these first ten amendments were added, listing the prohibitions against government. The rights of the people were to be protected by "thou shalt not."

On the surface it would appear obvious that the Founders considered the right to bear arms of great importance as it appears in the second of the ten amendments, immediately after the first, protecting freedom of speech, press, worship and assembly. The Second Amendment states:

"A well regulated Militia, being necessary to the security of a free State, the right of the people to keep and bear arms shall not be infringed."

Now that should be simple

enough for anyone, even a constitutional lawyer, to understand, shouldn't it? But the "do-gooders" who want to control our guns have constitution lawyers who maintain that the right to keep and bear arms only pertains to the National Guard. They maintain that the Guard is the States' militia and therefore that is what the Second Amendment refers to.

Let's analyze the Amendment for a moment. In the first place, remember the only reason for adding the Bill of Rights was because the people insisted that their rights be protected from government more specifically than they were in the basic document, the Constitution. It follows, therefore, that what is being

protected in the Second Amendment is an individual right, not a collective right of the militia.

Equating the militia of the 1700's with today's militia is ridiculous. The militia of colonial times was made up of each able-bodied male citizen who, as a matter of course, was armed. The militia of 1787-1789, during the period when the Constitution and the Bill of Rights were written and adopted, was "the people". "The people" meant those individual citizens of the colonies.

From earliest colonial times the States did have their militias, but there was no National Guard until 1903 when the Dick Act established the institution as

a part of the United States Army under State jurisdiction and control in time of peace.

I agree with Congressman Larry McDonald of Georgia, who stated in May of this year:

"They key to halting violent acts against our elected officials or our citizenry is not gun control, police state tactics, or penalizing the vast majority of Americans. It is restoring and carrying out stiff penalties against the minority of criminals —

particularly repeaters — who use firearms in the commission of a crime. It may require overhauling of the Federal judiciary and perhaps limitations on its jurisdiction concerning enforcement of State criminal laws. The implementation of capital sentences must be resumed and endless delays in the execution of such sentences eliminated."

The opinions of Dr. Benson are not necessarily those of the Missouri Miner or of its staff.

Competition: Face the facts of life

Dear Ms. Dowd,

Concerning your column about the "imports" during homecoming weekend, would it be safe to assume that you have a slightly unfavorable opinion of these females? I wonder if it might be a touch of jealousy of the attention they receive.

The dumping your refer to occurs quite frequently around here, the only thing is, it's usually the girls who are doing it. Its just a fact of life in this ... college atmosphere? Half the girls down here act like they can have their pick of any male on campus, and I guess some actually do.

To be honest, I feel sorry for many of UMR's girls. Those who were considered average or went unnoticed in their high schools come down here where suddenly they receive all this attention and they don't know how to handle it (ah, yes, they learn quickly, though). Many thrive on the attention, acting like they no longer have time for the "common folk." I hope they don't forget this isn't the real world, otherwise they're in for a big let down when they leave here.

I think, Ms. Dowd, that before you go insulting the "imports", you, and those who share your opinions, might realize just why they're being "imported." They are not the slimy creatures as you insinuate,

they are just down to earth girls that enjoy having a good time, unlike many of UMR's girls.

Also, some of the girls here could use a few lessons from the imports, as in how to dress. Incidentally, some of UMR's coeds could take a little more concern in keeping in shape.

Since we live in the magical town of Rolla, the girls know they are in short supply, and so do the guys.

That lets many girls get who they want, and they don't even have to be nice in going about it. Some guys get tired of the game, and that's where the "imports" come in. Sure, we get some joy out of doing this, but since when has a guy been in short supply down here. There are plenty of guys just waiting for some lone female to befriend him in Rolla, and many of them are just overlooked. A few (or many)

girls that come down for Homecoming are not going to make a serious dent in the Rolla male population. So, be happy with the other unattached guys — there are plenty of them. Meanwhile, the lucky guys will have a sigh of relief in knowing that there is nothing wrong with them.

Signed,
A MALE STUDENT
WITH HIGH STANDARDS

Raising a "Miner" issue

Dear Editor,

I am appalled at the poor quality of this publication. One recent article offered the excuse that the staff is composed of engineering students rather than journalism majors. Perhaps one of these engineers can explain why Chi Omega has installed a device to heat hot water, as the headline claimed. UMR does have English classes, although the reporter and editor responsible for "He had went out for intramural football ..." may be unaware of them. Why not reduce the

number of pages? It would reduce the proofreading required, and the staff would no longer feel obligated to write rambling articles or print nonsensical pictures as filler.

56508

Dear 56508,

To start with, the first article to which you refer (I assume you are referring to "Get involved or miss out" in the Sept. 3 edition) states that engineering students have a unique opportunity to become involved in extracurricular activities like

the Miner. Nowhere in that article was the fact that the Miner staff is composed mostly of engineering students offered as a reason or excuse for the quality of the Miner.

As for the "device to heat hot water," if you would check "Thermal Analysis" by Dwight C. Look, Jr. and Harry J. Sauer, Jr., on page 65 in problem 2.6 you will find mentioned a device for heating water referred to as a "hot water heater". The book, by the way, is the text

see Issue
page 20

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Sharon Chilton

Free money

Fellow students,

Did you drop a class between Sept. 28 and Oct. 5? Did you get one half your money back? If not, you were ripped off. Go to the registrar and get what's due you. I did!!

Comments

Thursday, Oct. 15, 1981
MISSOURI MINER
Page 7

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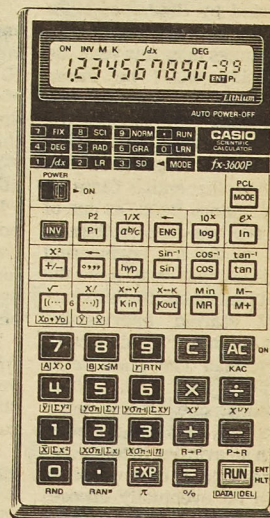
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Midsemester Punt

By K.K.

Midsemester has rolled around again. Maybe I should say rolled over us again. The eight weeks of the first half of school always seem to steam roller over the days... the classes... the tests... the weekends...

About now you don't know where the time has gone. The first two weeks of class (and back-to-school parties) you dropped behind classes and had planned to make it up "around mid-terms." Mid-terms approached at an alarming rate and instead of being one lecture behind you're two weeks ahead. Instead of playing catch-up at mid-term and busting you're — during homecoming the overwhelming feeling is "punt." For those of you who studied during homecoming, "punting" is the play that

the offense on a football team puts in action when they are stopped from gaining sufficient yardage by the opposing defense. They kick the ball as far away as possible. The term is also applied to the average student's handling of the situation when outside activities stop him from doing sufficient homework. The "punts" the homework as far away as possible. Usually out of sight is best; under the bed, under a pile of clothes, in the trash can, even throwing it against the wall helps.

But, if mid-terms are getting you down, just think of finals week. If that bums you out even more, keep your sights on winter break. For those of you who don't want to think that far ahead, look forward to the three-day break.



Laura Plyler, Homecoming Queen.

(Photo by Vollmer)

Most wanted student

SOURCE: CPS

COLLEGE STATION, TX — James Beall may be the most wanted student in America.

Beall isn't a heartthrob or a criminal. Instead he's at or near the top of his engineering class, which happens to be at Texas A&M — widely-recognized as one of the best engineering schools in the land (along with Purdue and Cal Tech).

As such, Beall's already been wined and dined by companies that want to hire him after graduation. He expects to be wooed and courted by dozens of other firms by the time he graduates later this year. He probably won't be disappointed.

Nationwide recruiting for engineering grads is fierce. They are the surest bets to get good jobs among the entire Class of 1982. James Beall, as one of the top two grade-getters at one of the top engineering colleges, just may have the best time of his life this year.

"I started interviewing this summer," Beall recalls. "I've had two plant tours and several job offers already, one with a petrochemical plant and another with an aviation firm."

He figures that whatever firm he eventually chooses will probably start him at \$30,000 a year "or maybe even a little higher."

Beall's expectations aren't out of line. The average 1982 engineering grad will earn \$25,000 next year, compared to liberal arts grads, who will be scrambling for

average starting salaries of \$10,000.

Engineering students were less than ten percent of the 1980-81 graduating class, but got 65 percent of the on-campus job offers, according to the College Placement Council of Bethlehem, Pa.

Judith Kaiser, a College Placement Council spokeswoman, says the current market is far different from seven years ago, when a recession in the wake of the Arab oil embargo slowed industry demand for engineers, and engineering students actually flocked to change their majors.

"In 1972 we had 3,495 engineering students enrolled," recalls Dr. Robert H. Page, Texas A&M's dean of engineering. "Here we are nine years later with three times that number: 11,502."

The reasons for the change are evident, he says. "Technology is getting more and more complex, and it has created a great demand for quality engineers. The orders are out to recruit engineering students."

Engineering enrollment at A&M is up 1,000 from last year, and Page expects similar increases in the next several years.

National engineering enrollment has skyrocketed from 195,000 in 1972 to over 350,000 in 1980.

"I would expect it's up another ten percent for this current year," speculates Dr. W. Edward Lear, director of the American Society for Engineering Education.

"The job opportunities are

great," Lear explains. "The average four-year engineering student will have three or four job offers before graduation, and will earn an average of \$23,000 to \$27,000 the first year."

"The favorable job market has created significant increases in the total number of students who choose engineering as a major," understates Iowa State engineering Dean David Boyland. "And most projections indicate the demand will continue."

But the boom, ironically enough, has pitched college engineering schools into the deepest crises in their histories.

"I think everyone is beginning to see the potential disaster if we don't do something," Lear warns. "Right now we're dealing with a double-edged sword."

Enrollment jumps have made overcrowded classes common and impressive salary temptations from private industry have made it hard to hire new profs to take on the additional class load. Few new grads choose to go on for more schooling when they can get high salaries.

Experienced engineering professors are leaving academia to take those higher salaries, too.

"Starting teachers can expect a salary of around \$25,000 a year," Lear says. "That's after three years of additional schooling, plus the cost and effort to get

See

page 20

Features

Thursday, Oct. 15, 1981

MISSOURI MINER

Page 8

Plenty of seats

By STERLING GIBELBANK

Here I am inside the gym. There are already twenty or thirty people, two-thirds young, age 14-18, others over thirty, well dressed. The band is warming up. It's not quite seven.

The Bama Band. I spoke with a guitarist (Cullman) in the band — a professional musician, short beard, bright black windbreaker, gale-breaker; with ANIMAL

written above the heart.

The promoter for Rolla: "I'm really disappointed ... We only had 850 advance sales tickets. You would think that Fort Leonard Wood people would really go crazy over this show. Most of our sales (advance) are from there."

And a few more sales. People are starting to arrive. No problem with the sound. More people; three more good tickets...

Inside: Half an hour of sloppy uninspired Bama

Band, then some real inspiration. Then some "Country Boy Will Survive" and more of Squire William's sing.

A Mr. Nashville, Merle Kilgore.

Finally, a chat with the light-board. A bomb.

Hank Williams is a damn good musician. His show is wild, and needs support.

(I later heard from accurate sources that their Columbia show was an absolute sellout).

St. Pat's Facts

By TOM BENNEY

The 1982 St. Pat's Parade theme is going to be "The Wonderful World of Disney." If your organization is planning on having a 1982 St. Pat's Parade float, the entries are due November 2nd, 3:30 p.m., at the Tech

Engine Dining Club. If you've got any questions, contact Geoff Dubbins at 341-3517. Remember, Rolla's St. Pat's Parade was bigger than St. Louis's St. Pat's Parade, in 1981.

St. Pat's Green is going to be on sale at the end of this month. This year's sales

items will include the traditional sweatshirts, garters, buttons, hats, bumper stickers, and other select items. The Green sales benefit St. Pat's and help promote UMR's most famous party.

St. Pat's is only 139 days away, so get psyched for the best ever, St. Pat's 1982!!

Witch

By M. DEAN ANGOVE

Part 3

It should be mentioned firsthand that any attitudes or opinions are not necessarily those of the publishing medium; or those of the author. All of the material used in the preparation of this article are of pure research origin, and while some artistic license has been used, that license will never supersede the facts. All of this material can be readily obtained from any of a number of sources on witchcraft, and the occult.

For those of you who have been patiently sifting through these articles, I will again enter a brief review.

During the course of some four hundred years between the Fourteenth and Eighteenth centuries over a thousand people were executed for being practitioners of witchcraft. The last execution was performed in Scotland, sometime during the year 1722.

At that time, witchcraft was a very primitive art form, that was closely structured to certain cause-effect patterns, such as stealing milk from a neighbor's cow through magic, or healing with herbs.

During the Middle Ages it began to take a newer, broader format. In its expansion into the European or "Gothic" period, witchcraft became closely associated with the Devil. This particular relationship having developed, the types of witchcraft began to evolve into what became known as "The Black Arts."

We've been taking a mock-up time ride in the course of these articles, and once again we find ourselves in the midst of the winter months of 1691. The place: Salem, Massachusetts. Samuel Parrish, the village minister has become aware that his daughter and niece, along with about six other local girls, have been making accusations against members of the community.

The first three persons to be taken into custody were Sarah Good, Sarah Osborn, and Samuel Parrish's Barbados slave, Tituba. These three were not missed much by the locals. They were less than a concern to the more prominent members of the Salem community. However, the accusations continued, and significantly less acceptance began to show on the worried faces of the townspeople. It just was too easy to be marked as a witch and taken into custody. All it took was a name to slip from between the lips of one of the eight girls and they were taken prisoner.

And what worried the people more was that there

was no guarantee that once they disappeared behind bars that they would ever see the other side again.

You see, Salem had no courts. Moreso, Salem had virtually no legal system ... just enough men to capture those accused and take them to jail.

Well, about that time, Sir William Phips came across the sea from England. This man was to become the new governor of the Boston colony. With him was a charter to establish colonial government. All in good time, the jails of Boston became crowded with alleged witches who were patiently awaiting trial. Phips established a special court.

Their patience broke when eight days later the first accused witch was sent to the gallows. In the course of the next three months, she was followed by 19 other men and women ...

... to death.

The accusations of the girls began to get just a little too ambitious, that is to say, the girls began to accuse people whose political positions were also in question. One good example of the problem is the accusation by one of the girls,



Plenty of available tables.

(Photo by Hart)

of Lady Phips, the governor's wife. Now, just for certain that implication was just a little too much, and the court refused to try her. But

similar accusations were in the making.

A very interesting point to add is that not one of the people who admitted to

practicing witchcraft was condemned to death, only persons who claimed innocence. It becomes clear that a plausible reason for

this is expected. Reason: the court had made provisions

**See Witch
page 18**

HARRIS CAMPUS INTERVIEWS

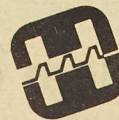
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Research on indoor pollutants

SOURCE: OPI

Air pollution inside your home may be worse than the law allows for the air outside. And, if that's not bad enough, the "improvements" you make to save energy may make it even worse.

That's the consensus of recent reports of several groups concerned with indoor air quality. It's also the problem being tackled by researchers at the University of Missouri-Rolla.

A year-long study directed by Dr. Purush TerKonda, associate professor of civil engineering, will investigate how major indoor pollutants are affected by energy-saving measures.

Although technical data on indoor air pollution is not extensive, enough is known to cause concern about possible health hazards, TerKonda says.

"Because many people — probably most people —

spend most of their time indoors, their health may be affected more by the indoor pollutants than by those in the outdoor environment," he explains. "Federal standards already have been set for ambient air — that is, outdoor air — quality and for the working environment. Now there is a push for Congress to extend federal standards to cover indoor air quality."

The UMR study is an "Exposure assessment" which will check for the level, distribution, frequency and duration of different contaminants. A samples will be taken in residential, commercial and institutional buildings during all of the four seasons to get a before-and-after picture of what happens when a building is "buttoned up" in cold weather. Research will be concentrated on (but not limited to) seven contaminants found in the average home: carbon monoxide, nitrogen oxides, sulfur oxides, for-

maldehydes, respirable particulates, carcinogens and radioactive radon gas.

TerKonda says that these pollutants can bring a variety of health problems to the unsuspecting individual exposed to them.

"Mostly we are talking about irritation of the eyes, nose, throat and lungs. In addition, there may be serious long-term effects. Radon gas is a cause of lung cancer, and, according to the National Institute of Occupational Safety and Health, even small concentrations of carbon monoxide may have an effect on the heart," he adds.

Tests will focus especially on pollution caused by indoor combustion systems. According to TerKonda, these systems, along with tobacco smoke, are the worse potential polluters of indoor air.

"Most problems come from gas cooking ranges with open flames, coal and wood stoves, and poorly maintained furnaces. Coal

and wood stoves which are being used for heat to save energy are potential sources of such health hazards as carbon monoxide, nitrogen oxides and carcinogens if they are not vented properly. And that means vented outside and not into the attic," he warns.

Contaminants come from many sources other than combustion. TerKonda says that formaldehydes are in such materials as textiles and particle board, and, ironically, are also in insulation, especially foam insulation, a major energy-saving measure. Radioactive radon is a "daughter product" of a radioactive element in soil and rocks and emanates as a gas from building materials, concrete and foundation soil.

All of these contaminants may rise to hazardous levels when houses are weatherized to cut back on energy loss.

"In adding storm windows, weather stripping, insulation and so forth, we

usually don't realize that what we are doing is reducing the ventilation rate in terms of the number of air exchanges in the building. An old building will normally have between .8 to 2.0 air changes per hour. Once the building is insulated, the rate will go down to just one-fourth of that, trapping pollutants indoors," he points out.

TerKonda hopes that his research, funded by a grant from the Weldon Spring Endowment Fund, will serve as a pilot project to provide baseline data for more extensive research.

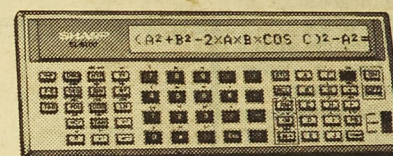
"At present we can only generalize; we just don't know enough to come to grips with the problem," he says. "But we must consider the cumulative effect of pollutants on the individual and how much the concentration of pollutants is increased when a building is tightened up to prevent heat loss. Proper ventilation is the key to reducing pollution to safe levels, and we need to know more than that. As much as we need to save energy, we can't afford to trade off the long-term comfort, health and safety of the individual when we reduce energy consumption," he concludes.

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Aerial photograph of TJ, Lambda Chi Alpha and Chi Omega.

(Photo by Hart)

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Fraternity life, you gotta love it

By E. ZEN BUDDAH

Fraternity life, you gotta love it. Those of you who read the Miner often enough to become familiar with some of the names of the writers may have noticed I haven't written a story in two weeks. Why, you say to yourself, has this man been depriving us of his literary genius for such an extended period of time? Or conversely, (and more probably) why does this stupid jeeter keep cluttering up our paper with his nonsensical ramblings and otherwise not good stories? Well my friends, and all the rest of you, the reason is that I, Mr. Existential Zen Buddah have made the big move. Yes ladies and gentlemen, the Buddah has gone greek. I have let my hair down and have joined the social institution of my choice, in this case the world renown fraternity, Squirrela Beta. The subject or my literary traverse today is the great pledge class "walk out".

"Walk out" for all of you not well schooled in the functions of the pledge, is a weekend where the entire pledge class escapes from the house by one means or another, and travels to a nearby chapter of the same fraternity on a different campus, at the same time conveniently sticking the actives with all the weekend duties.

In this case the nearest chapter of Squirrela Beta was Springfield, which just incidentally has exactly the opposite man to woman ratio of Rolla.

Upon arriving in the city of the big armpits, or is that shoulders, we were informed that there was going to be a small party that night to celebrate our safe arrival. "But," said the president, "You guys from Rolla have to keep it down and not get very loud or drink much beer because we're on double-decker, super bad, watch-you're-mouth, social probation and one more complaint from the people next door and they revoke our charter." Our pledge master hesitated, flashed the fraternity president an incredulous look and said, "Joke, right?" This was to set the pattern for the entire weekend.

The "party" lasted about 1 minute, 39 seconds before it got out of hand and had to be shut down.

Then the pledge class decided it was time to "hit the dorms" and find the women. The ones of us who weren't falling down drunk already decided to lose the ones that were. So we dodged around the corner of the first dorm and left the poor drunk slobbs wandering around in the dark. Now, we thought

we can concentrate on finding some "skirt" without those fools cramping our style.

Two hours later we were really getting tired of walking aimlessly. "Where were all the girls everybody told us about?"

We all sat down and tried to think of what we were going to do next. All of a sudden we noticed our five drunken pledge brothers come out of the dorm to our left, with about twenty girls following them. "What did you guys do?" we asked. One of the less greased members of the entourage spoke up, "We just knocked on the front door and they came to us." Nobody dared say why we didn't think of that.

"Are all of you guys squirrels?" the girls asked. "We sure are, and proud of it," we said. "You're all invited to the big Squirrel blast party we're throwing tomorrow." "Gee, thanks," said one of the girls in a barely successful attempt to suppress hysteria, "We've got to go now but we'll see you tomorrow." As they walked back toward the dorm and we headed back toward the Squirrel house we

could easily hear loud laughter and guffawing.

The next afternoon was one to be forgotten. Those that were fortunate enough to be asleep had looks of eternal suffering on their faces and the poor souls that were awake piteously

groaned from time to time, saying little. Old John Barleycorn had really taken his toll this time.

As afternoon passed into early evening we woke our loudly protesting brothers and prepared for the night's ordeal, the Squirrel blast. As

we prepared to leave, quietly, one of the actives from the local Squirrel chapter who could only be described as small and wispy-like, came bustling up and screamed in a voice that resembled the sound a pig makes when his manhood is

being taken from him against his wishes. "Come on you guys lets get psyched for the party of the year! We were informed later that

Continued
page 20

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Thanks,
Granvil Vaughan
Rt. 1, box 288
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SOK,
Some of us Beta Sigs would like to see your smiling face again. We're sure SON would like to see a smile also.
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To Sis,

Thanks a lot for everything you've done. I'm deeply indebted to you. Thanks again for everything.

Midnight

Gilligan,

As for the TC-3, you can't hide.

The House 8 Rowdies

For those of you who became a little confused and didn't do so well on your EE 63 test last Wednesday, you should have referred to the Reader's Guide to Saridereli Handouts and other periodical literature.

LOST: TI-55 calculator. Left in ME 104 after 8:30 class on Friday, October 9. Reward. Call Paul at 364-7607.

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Owl,

Thanks for this feeling.

Mr. Average

Ken,

You must really whip it!!!!

Hedy & Val,

You better do something fast to keep me from transferring to Arizona State!! Because I struck out big with D, and there's no way I'm on M's level, so get to working on something. And Val, don't forget your commission.

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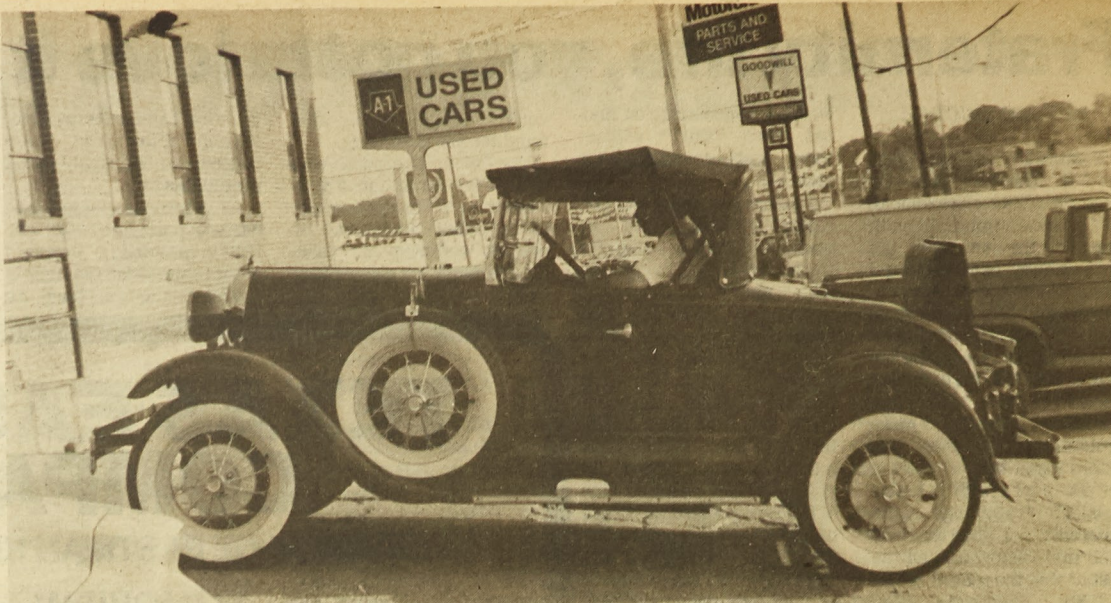


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October 30

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Joe Miner

Rest, Recuperation and Remembering

By RICH BEE

The Sunday sun had risen early at the EAT house. That, however, was the only thing. Walking through the house that morning would have given one that queasy, edgy feeling one got from deserted towns in an Alfred Hitchcock movie. What with the eerie silence interrupted by a fluttering curtain, and an occasional body sprawled in a grotesque position you would expect to be attacked by a hideous evil as you stepped through the door. The smell filled that position.

It was only, however, the remains of a bacchanal that the EAT Brothers referred to as Homecoming.

Joe, of course, awoke neither bright nor early at 1 o'clock due to a tremendous urge to relieve himself. After groping his way to and from the john, Joe headed for the kitchen and found a glass and began a drinking contest, this time with water, to see if he could drown his sorrows, or at least the little guy in his head with the pick-ax.

After deciding whether four aspirin was enough and changing to a less stiff pair of clothes Joe headed downstairs for the traditional Homecoming Sunday activity R. R. and R. That was rest, recuperation and remembering, the remembering being half the fun of Homecoming weekend. He walked past room 5. George was sitting at a typewriter clicking away which didn't do much for Joe's hangover. George had the biggest drinking problem at the EAT House. He was a lightweight. He, however, did keep them up to last position among the

fraternity grade point standings. Joe walked into the chapter room where there were already a number of brothers sitting.

"It's alive," someone said and the room broke into a chuckle.

"Hey, Joe! How do you feel?"

Joe looked about the room with bloodshot eyes and hair which stuck out one side before saying, "Need you ask?"

"You were great! Remember what you did?"

"Yea, most of it," Joe replied thinking back over

laughter. After the laughter had died down a little Steve broke in, "Then later one of the alumni's wives came up and said 'You're drunk.'"

Then you said, "Yeh, and you're beautiful. But tomorrow I won't be drunk and you won't be beautiful." This broke up the room again.

"It's a good think Laura was there to hold you up," someone said.

"Was she mad?" Joe queried.

"Naw, she was busy laughing at you!"

"I think the kicker was

thing you could catch," the underclassman said. "Then you kept running into Muffy screaming, 'I can't get away from her gravity. It's too strong. One more donut and she'll collapse into a black hole.' I'd stay away from her, she's as mad as a Muslim fundamentalist. Then you started falling down too much and passed out."

"Yeah, it's amazing how

soft floors are when you're that drunk," Joe said. "I was fairly sober by the dance."

"No you weren't," Tom said. "You kept running around with your tie around your head saying, 'Eat your heart out Jimi Hendrix,' and playing air guitar."

"Well, me and Laura had a good time, though."

"Yeh! You had to dance all the songs slow 'cause you still weren't standing too

well."

"Well, let's see what else can I remember?" Joe said. Then it came barreling out of the back out of his mind and impacted with shattering reality that almost made him sick.

"I've got three tests this week!" Joe shouted and bolted for the coffee pot.

It's amazing how soft floors are when you're drunk

the events of the weekend. He remembered the beginning of the hayride Friday night. He had tossed coals from the bonfire. He was the only one drunk enough to throw them overhand though. Also he had walked up to Muffy and said, "You know Muffy, the more I think of you the less I think of you," and then took off running until Muffy had brought him down with a bale. That was what had started the hay fight. That was a good time. The brothers and their dates rolling in the hay tossing handfuls, Muffy and some of the other big little sisters tossing entire bales.

"How 'bout when you stuffed hay down Lisa's pants?" Bill said interrupting his thought.

Now that was one he didn't remember.

"No. Did she get mad?" Joe asked.

"Not until you tried to take it back out," Bill replied convulsing the room with

when you wanted to sacrifice a virgin, though," Bill came back again. This had the room rolling.

"Then there was Saturday," Tom started in.

"Oh, yeah," Joe said. "I remember trying to toss stuff in the tuba at the game. And then the class tea. I didn't survive that."

"None of our class did," Tom said. "After that we started playing hockey on the wet basement floor."

"That's where I got these bruises," Joe exclaimed.

"Well, some of them," one of the underclassmen said. "You tackled the Homecoming decorations."

Joe looked out the window at the wreck on the front lawn. Of course it didn't look much worse than it had before.

"You said it was the only

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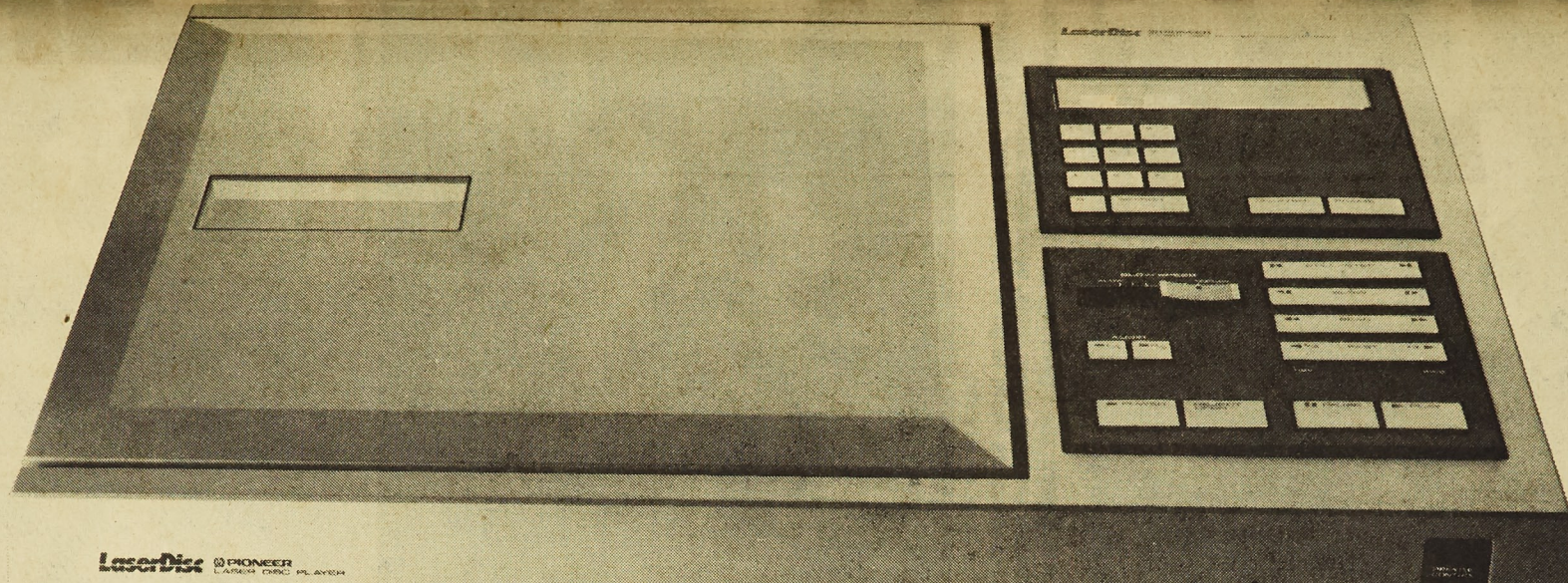
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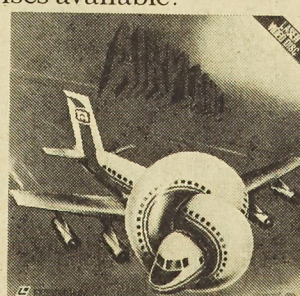
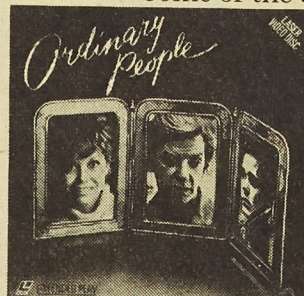
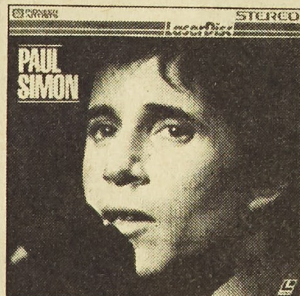
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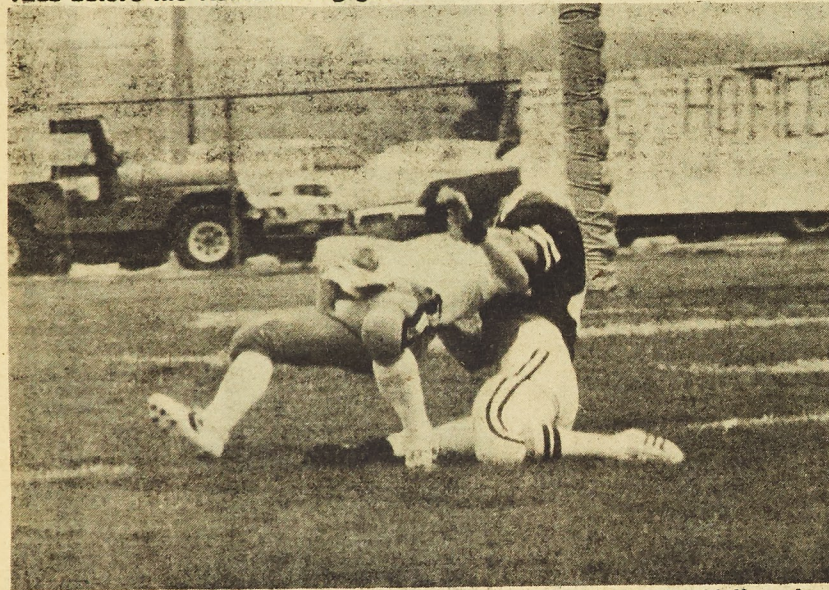
Miner Homecoming 1981.....



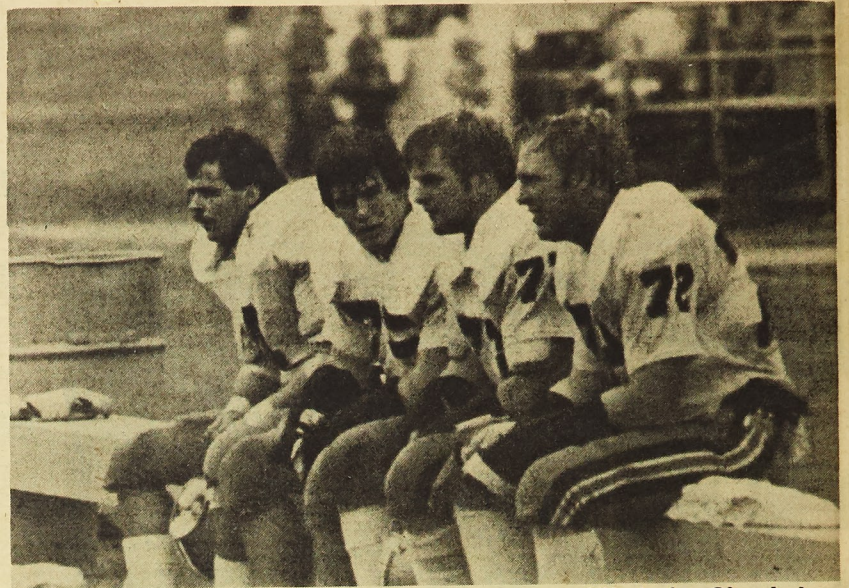
(Clockwise from top left.)

(Photo by Vollmer)

1. First runner up Margie Smith on her ride around the track.
2. Miners (from left to right) Scott Teter, Gregg Wilhelm, Paul Sullentrop, Bob Pressly look on the game. See related story on page 24.
3. Sigma Phi Epsilon took first place in the annual Fraternity Pajama race before the Homecoming game.



(Photo by Vollmer)



(Photo by Gieseke)

4. The Missouri Miner Band gave an outstanding performance for the halftime festivities.
5. It was Pyramid time before the crowning of the 1981 Homecoming Queen. Height and rotation were the main feats, each quite daring.
6. They wonder why coach wants them to go to yoga classes. This tackle does seem to defy the laws of gravity.



(Photo by Vollmer)

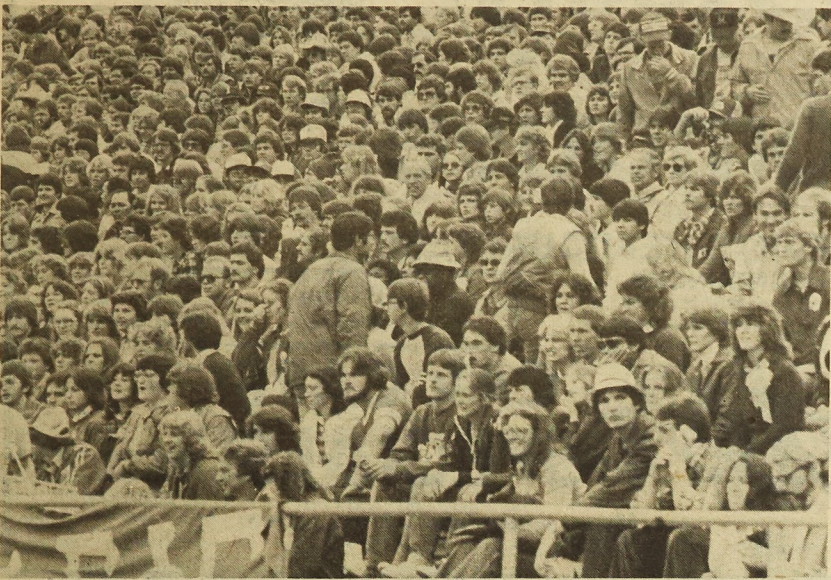


(Photo by Vollmer)



(Photo by Vollmer)

The spirit never dies !



"I seem to have lost my seat. Let's see, the girl next to me had on a blue coat..."

(Photo by Gieseke)



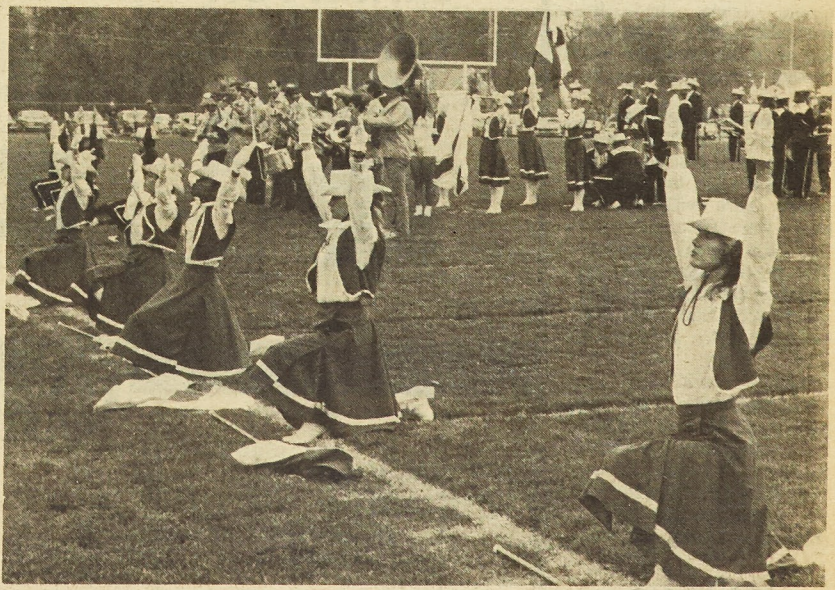
One of the many faces of our new 1981 Homecoming Queen, Laura Plyler. Laura was crowned during halftime of the Miner football game on Saturday. Margie Smith, Terri Sherrill and Kimberly Wilkes make up her court.

(Photo by Gieseke)



No matter how you stack them, the Missouri Miner Cheerleaders still come out spelling spirit! They livened up the game on Saturday with their chants and cheers.

(Photo by Gieseke)



The Flag girls demonstrate expert handling of their wands as the UMR Band Alumni return to play for the halftime show.

(Photo by Gieseke)

Witch

from page 9

that those who admitted their "guilt" would not be executed.

After the adjournment of the Court of Oyer (which had been established by Governor Phips especially to hear the witch cases), no other trials were ever conducted. However, during the year 1693, the Superior Court of the Judicature, consisting of the magistrates on the Court of Oyer, met. Of 50 indictments handed to the Superior Court by the grand jury, 20 persons were brought to trial. Of the twenty, three were condemned to death but never executed; the remainder were acquitted. In May, 1693, Governor Phips ordered a general reprieve, and about 150 accused witches were released from prison. The end of the witchcraft trials was singularly abrupt.

But even though the trials were over, the origin of them lies somewhere deeper within this story. What would have possessed those eight girls to make those accusations against many high and respectable members of the community?

There were very few notes made at the time that have any impact on the search for an answer. There were no implications that the girls were truly, without question, under a spell. But there were some indications that had at least a synthetic bearing on the idea behind the actions of these girls.

Tituba was a Barbados slave, belonging to the minister, Samuel Parrish. Tradition has it that Tituba would at times gather the majority of the girls in the parsonage kitchen and, during secret meetings instruct them in the ways of witchcraft. She (Tituba) would tell the girls about magic tricks and incantations; and, in the end, the girls believed she was enough of a witch to accuse her.

But it became grotesquely apparent that the townspeople were just willing to leave it at that: the accused people were witches. The trials were necessary, and the girls were possessed. The people appraised the situation carefully, and then speculated that the odd behavior of the girls was a direct result of those meetings in the kitchen.

The dexterity of the last paragraph rotates about a fixed axis which surrounds the central figure: Tituba. The Puritans believed that the American Indian worshipped the Devil, and with

see Witch
page 21



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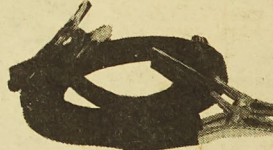
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B.G. Boyze interview

By DON READER

The following is a simulated interview and in no way is intended to portray a real person, living or dead. The material is intended for humorous purposes only and should not be construed for any other.

This week I interviewed one of our illustrious Building and Grounds maintenance personnel, Mr. B.G. Boyze. Mr. Boyze is a veteran of twenty years service here at UMR. and has many insights into the inner and outer workings of the campus. His special areas of interest include light bulb changing, sidewalk maintenance, and turf cultivation. Mr. Boyze is also acknowledged to be a leader in the field of reducing productivity of public institution workers.

MINER: First of all, I

want to thank you for taking time out of your busy schedule to talk with us today, Mr. Boyze.

BOYZE: Hell, call me "B.G.", everyone else does. That's quite all right. I knows how important it is for you young folks to get good learnin' and how us old folks gotta hep ya out when we can. Besides, I always wanted to see mah name in the paper. Shoot, my maw'll be so proud when she sees I made the Rolla Daily Nooze that she'll prob'ly bust a...

MINER: Uh, B.G., this is for the Missouri Miner, not the Rolla Daily.

BOYZE: Mizoura What?

MINER: The Missouri Miner, you know, the student newspaper here at UMR.

BOYZE: Oh, yeah, that piece of sh... well, never mind. Mebbe y'all can have sumthin' innerestin' to read for a change then. Anyways,

I does know a lot about this gol-danged school and I'd be more'n happy ta answer yore questions.

MINER: Great, B.G. My first question is what made you come to UMR and why have you stayed here so long?

BOYZE: Well, I got out of the Army back in '61 out at Ft. Wood and I came home to Rolla to look for a job. It was in the Army that I learned all about how ta keep a place neat and clean with the most people possible on one job as well as my first exposure to those special ways of gettin' out o' work, like long coffee breaks, sick call, and the special art of looking busy when yore not really doin' a damn thing. So working for Building and Grounds here was a natural.

MINER: But, why have you stayed here? Surely a man of your many talents

and expertise could find a highly paid position in industry. So what makes you stay?

BOYZE: Tenyere.

MINER: You mean the University gives tenure to maintenance men just like professors?

BOYZE: No, I'd been here ten yeres so I thought I'd stay. Rolla's a nice place, good climate, lots of culchural events, good housing, and very well run municipal government.

MINER: Have you ever lived anywhere else?

BOYZE: Sure, Fot. Wood.

MINER: I see, so you have a very broad comparative base.

BOYZE: Yeah, they's lots of good-lookin' women here too.

MINER: Well, moving right along, you fellows are often referred to as the "B & G Boys." Do you find this derogatory, an insult to your intelligence?

BOYZE: What's a Deerawgitry?

MINER: Never mind. Do you find that term insulting?

BOYZE: What, Deerawgitry?

MINER: No, "B & G Boys".

BOYZE: Naw, it shows that we kin spell, that we knows our ABC's.

MINER: O.K. Tell me, just how many B & G Boys does it take to change a light bulb?

BOYZE: Is this a joke?

MINER: No, this is serious. We often see several of you just standing around while one guy actually changes the light.

BOYZE: Well now, one man does the actual work but the other guys are very important, too. You see, one is the job supervisor, so he supervises. One is the assistant bulb changer, so he is there to assist if needed. And then we often have along what we call a B.G.B.I.T. or B & G-Boy-In-Training. He is also known as a Gopher. We send him to go pher coffee, extra tools, more light bulbs, snacks, whatever we need to get the job done.

MINER: Fine, that explains a lot of things. Tell me how you manage to drive those big trucks all over the sidewalks without hitting any students?

BOYZE: Who says we don't hit any students? That's what the Infirmary is

for. Why just last week I got my fifth one to make me an ace. Just count the number of Joe Miner stickers on the sides of the veehickles. Bicycles are best because you can drag 'em along for at least 50 feet or so.

MINER: All right. Well, I know that students sometimes pull pranks on you guys. Do you ever get them back, you know pull one over on the students?

BOYZE: Why sure. One year after a heavy snowfall the students built a snow wall across the campus from Parker Hall to M.E. We pretended we didn't know they put steel beams inside the snow. Boy, you should have seen the expression on their faces when we ran that tractor smack into the wall at full speed and it stopped cold! They still think we didn't know about the steel beams.

MINER: Yeah, that was a good one. Well anyway, I better wrap this up. Do you have any last words of wisdom for the students of UMR?

BOYZE: No.

Thrill Seekers

By TWEETY BIRD

Thrills for UMR students are quite varied: From doing homework (thrilling only to the most studious), to getting stone drunk (by far the most popular). However, some students like to throw themselves out of a plane at 3,000 feet, in order to do something different.

Often, the first jump is an exhilarating experience. Instead of counting the seconds until the cord is pulled, however, the first jumper's reaction is more often an Aaaaauuggghhh!! This not meant to scare off the person considering their first jump, however.

The UMR Sport Parachute Club participates in many meets during the year. At their last meet, competing against SIU, the club took three first places, two second places, and one fourth place. Paul Worsey, member of the club, feels they made a very good showing, considering that UMR only had six jumpers competing against SIU's 35 jumpers.

Having UMR recognize skydiving as a varsity sport is what the club is hoping for. They feel more interest could then be generated. Additionally, with more funds, it would be possible to cultivate their present talents which would hopefully result in a National Skydiving Champion in the near future.

The club's next meet will be at St. Louis. During a weekend, there are usually 2-5 student jumpers at the airport, in addition to the many experienced jumpers. Students interested in

jumping and-or joining the club should go to the Cuba airport on any Saturday or Sunday morning at 9:30 in order to sign up. The cost of the first jump is somewhat expensive. After experience is gained, however, the price is much lower. The club operates out of the Ozark Sport Parachute Center at the Cuba airport.

Even for those not wishing to jump, or those considering it, it is very interesting to watch the jumps; especially when a parachute comes down and you recognize the

jumper as Kermie the Frog. Kermie belongs to one of the members, and has made 12 jumps to date.

To get to the Cuba airport, take I-44 east to the Cuba exit, turn left, cross the overpass and take the first road on the left (after the on ramp), then follow the road around the curve. The airport is on the left side of the road.

By the way, even this "bird" is going to make a first jump soon.

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ON CAMPUS INTERVIEWS

October 21st

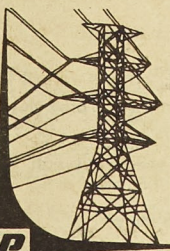
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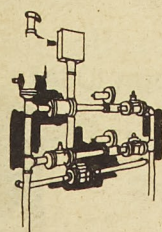
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Engineers

Nov. 9

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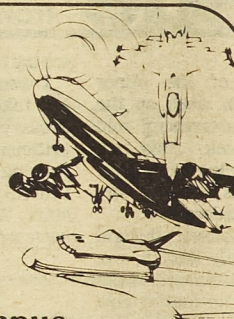
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On-Campus interviewer Mike Trotter



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Most wanted student from page 8

their Ph.Ds. When they can step out of college with a B.S. and get the same salary in the private sector, they see that they wouldn't be that far ahead by continuing their education."

Current instructors "can realize anywhere from a 30-to-100 percent salary improvement by moving to corporate jobs," Lear grieves.

He estimates there are 1,600 to 2,000 vacant

engineering positions on American college campuses.

Cal Tech's engineering enrollment has doubled in the last seven years, but Dean Roy Gould is finding it harder and harder to get instructors to teach them. "I suspect it's going to get harder as we have a smaller and smaller pool to draw from."

"I'm really concerned about our future," confides Texas A&M's Page. "Our

very best students are going into industry, students that ought to continue their education for the benefit of the country and of the student. There's an expression going around that says 'Industry is just eating its own feedcorn,' and I hope something is done to control the situation."

Many schools of engineering are now self-consciously stressing the values of post-graduate education, and cooking up incentives to keep their students in school.

Others, like Purdue, have raised admissions standards and virtually walled out out-of-state students.

And colleges are appealing to industries that are hiring away teaching and grad school talent. In response, Exxon recently announced a \$15 million program to encourage students to continue in school, and discourage professors from defecting to the private sector.

Initial results of such efforts, judging from the plans of Texas A&M's top engineering students, are

mixed.

Beall's vision is firmly fixed on the job market. Following in his father's technical footsteps because "it seemed like the natural thing to do," the 22-year-old Beall still isn't sure what has hit him. "When I first went into it, I had no idea engineering would be as big as it is now."

Now that he knows, he's not long for the modest trailer-house he shares with his wife near the A&M campus. To Beall, "It's just a matter of where you want

to go, and what you want."

Classmate Joseph Ott, whom Dean Page identified as one of A&M's other top engineering students, wants something else. He plans to resist industry's temptations for another year.

"My wife and I talked it over," Ott says. "We figure that once we get out and get used to the big money, it will be even harder to go back to school. So we're going to suffer through another year so that I can increase my earning potential, and extend my engineering life."

Fraternity from page 11

they will be able to remove his shoe from it's resting place in his throat.

That night the Squirrel blast went on as planned, and as the evening wore on, our vows to maintain our state of total, painful sobriety went slowly down the toilet. By 1:00 that morning, when the party drew to a close, the entire pledge class was in approximately the same condition, if not worse, than the previous evening.

Sunday we piled into our

respective sedans to complete the journey, muttering under our breath and wondering what we were going to do about school the next week. As we pulled away from the Squirrel house we took one last glance at the pale red building and as one, shook our fist and said, "Suck rocks, you bunch of losers," and pointed our bows for home.

That fraternity life, you gotta love it.

Issue from page 7

for ME 227.

The size of the Miner depends each week on the amount of advertising sold for that week. This advertising helps pay for printing costs and is a service to our readers.

I freely admit, though, that being only human, we, the Miner staff, will make some errors no matter how

we try to avoid them.

I would like to thank you for taking the time to express your opinion. If your criticisms were not just a passing interest in the paper, I invite you to join the Miner staff. We need a few more news writers.

Chris Noonan
Editor

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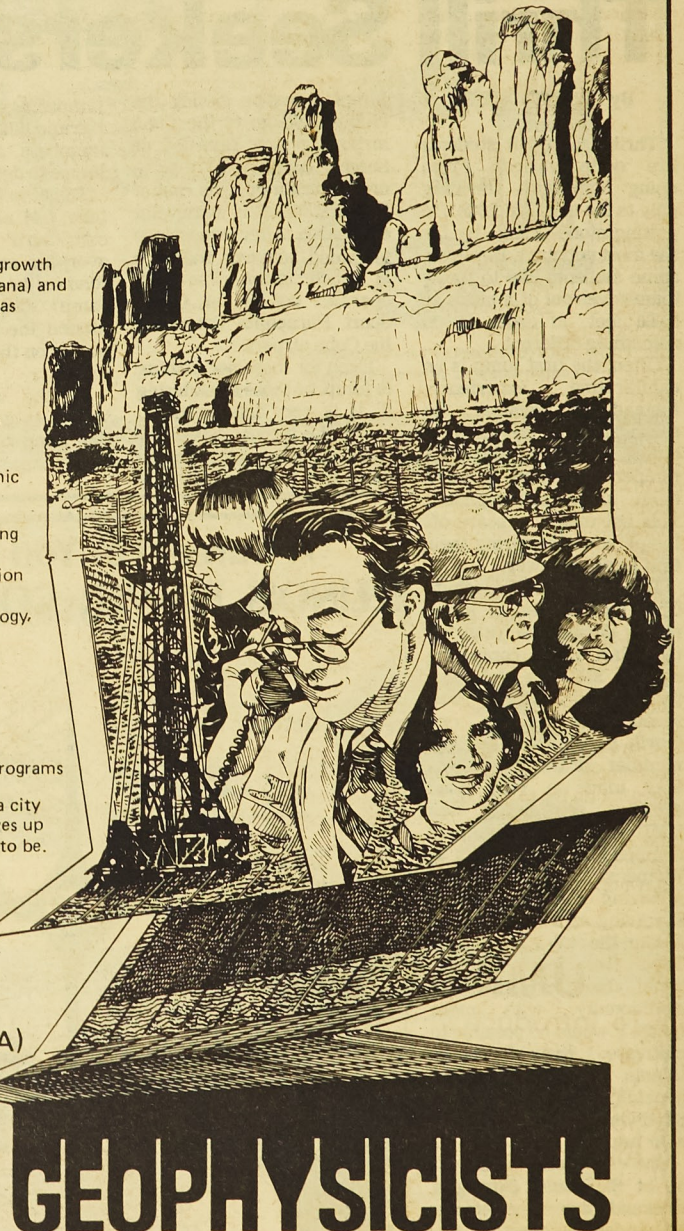
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October 28



GEOPHYSICISTS

Witch from page 18

Tituba bearing a striking resemblance to an American Indian, what more proof was needed? For early colonists the fact that Tituba was associated with the Indian was enough of a foothold to claim that not only did she worship the Devil, but also practiced voodoo and black magic, as had her ancestors.

Actually, the entire trial would have been an even more ghastly farce had it not been for one tiny, insignificant detail (being sarcastic, of course). The eight girls were acting peculiarly.

It simply doesn't follow that these young girls, following the strict traditions of the Puritan religion, would consider, to the point of brilliant public theatrics, the death of someone they did not like.

In other words, what motivation would there be for a young Puritan girl to make false accusations against someone? It is difficult to comprehend the idea of these eight girls raised through Puritanism, simultaneously displaying the same peculiar, but identical, symptoms, and conspiring together for

fame.

Very difficult indeed.

But the cause of the Salem crisis is, even today, a definite root in the continuation of the practices of both witchcraft and Satanism.

When the Christian Church was the dominant power in the Western World, it banned the belief in false gods or powers - paganism. Any such beliefs were a heresy, and were not looked upon favorably by the Church. But belief in witchcraft was a very real evil in the Middle Ages. The practice of witchcraft became irrevocably woven into the dark strands of diabolism. Witchcraft was a method in Satanism, or Devil-worship. And even still, the practice, damned by the Church, persisted among both the population and the clergy. Anyone who experimented with chemical nature was suspect of practicing alchemy, and likewise, witchcraft. Science itself, then a small study in the principles that make up our world, was accused of being a producer of evil - a source of witchcraft and sorcery.

It was a middle-sized,

typically suburban house. The yard in front was freshly cut, edged, and all the trees and shrubs were carefully pruned. The late hour of the day was evenly felt as the darkness drew near. Tonight there would be no moon.

Inside the house, a small child lies awake in a deathly dark ... black ... room. Outside the bedroom door voices could be heard ... chanting? The white oval the girl's small face could be traced from the black of the room, two wide globes - eyes? - open and fright-ridden.

The door began to swing open in a long, almost slow-motion movement, arching gently, noiselessly into the room. From the hall, hooded figures in dense black entered the room, their eyes casting hideous sparkles from the candles held in their hands before them. They walked in single file, methodically, and oblivious to the child's presence.

The group had all entered, and the door had closed. The blackness returned, broken only by the dim pin-pointed light of the candles. Suddenly it was apparent that the walls were covered with

equally black and hideous coverings. The bureau was cloaked by another black cloth, adorned with an intricate white design. On top of the cloth was a knife, flanked on either side by silver goblets.

One woman was handed a group of colored sticks, and she held them for a moment.

Then the sticks were brought to the floor and pounded there. Her grip loosened, and they fell to the floor. The woman looked at the arrangement and then selected one of them.

In the room, a chant had begun. The girl was lifted to the bureau, surrounded on all sides by candles. The

group began to stare at her, and she began to cry. All of those eyes!

Then an evil laugh from the adjacent room. The candles were extinguished. the cloaked worshippers left ... leaving in the room an even more dreaded darkness ... a child, sick with terror, alone in the midst of evil.

Dr. David Oglesby Co-recipient

"I feel a teacher has to respect each student and that student's abilities," says Dr. David Oglesby, assistant professor of engineering mechanics at the University of Missouri-Rolla. "Teachers also need to enjoy students on an individual basis."

Oglesby is one of two UMR faculty members receiving AMOCO Foundation "Outstanding Teaching Awards" for the 1980-81 academic year. He and the other award winner, Dr. Oliver Sitton, will be recognized at the annual MSM/UMR Alumni Association Awards Banquet during homecoming on Saturday, Oct. 10.

"I'm not sure I have any so-called teaching techniques," Dr. Oglesby says. "I do try to establish a learning atmosphere - get the student to respond and participate. When a student is working a subject, he's

learning."

Although he has recently completed a research project, working with the dean of UMR's School of Engineering and two graduate students, Dr. Oglesby's responsibilities lie primarily with undergraduate teaching. He has been on the faculty at UMR since 1968 and teaches classes in mechanics of materials (both the lecture and lab sessions), dynamics, and advanced mechanics of materials. These are basic engineering courses and are required by most of the engineering departments at UMR, not just the engineering mechanics area.

Dr. Oglesby's academic background consists of a B.S. degree in civil engineering from Virginia Military Institute in 1963, then M.S. and D.Sc. degrees in applied mechanics from the University of Virginia in

1965 and 1969.

In addition to teaching at UMR, he serves as adviser for the UMR Rugby club. University students are not the only ones to receive his assistance. He has been active with the Optimist's sports program for several years.

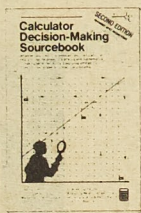
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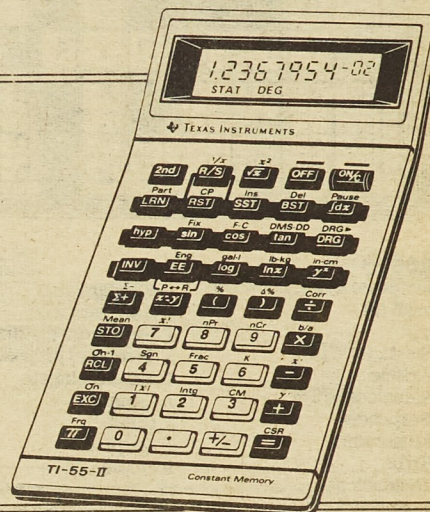
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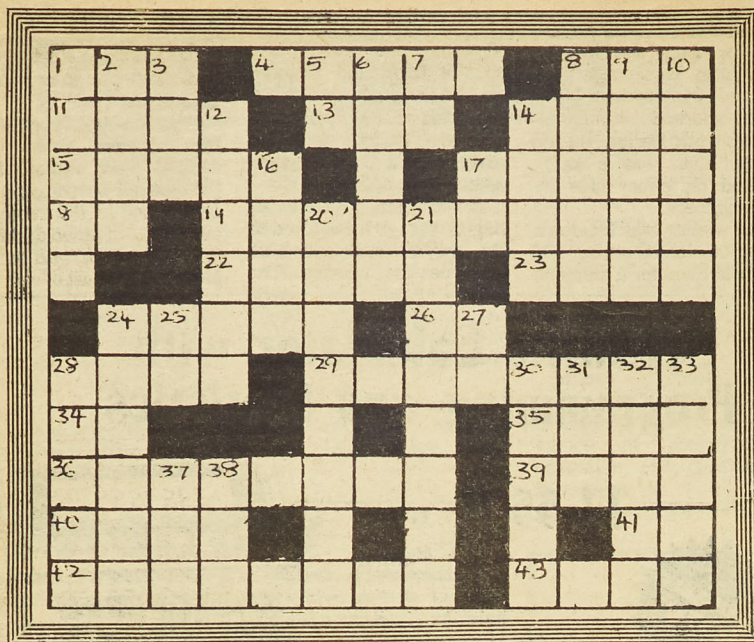
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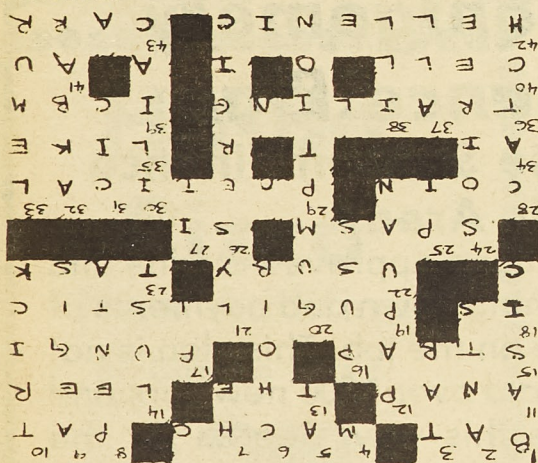
ACROSS

1. Nocturnal flying mammal
4. tough (Sl)
8. Tap
11. Siesta (w WDS)
13. Article
14. Salacious smirk
15. Suspender
17. Mushrooms
18. To be
19. Pugnacious
22. Loansharking
23. Deed
24. Twitch
26. OUI
28. Stamp metal
29. In verse
34. Official arline of Indian (Acronym)
35. Predilection
36. Lagging
39. Pernicious projectile (Acronym)
40. Cooler
41. Precious metal
42. Grecian
43. Co-Author of Sherlock Holmes Mysteries

DOWN

1. Fundamental
2. Aardvark food
3. Petroleum distillate
5. Temporal preposition
6. Sunday singers
7. + man
8. Quint
9. Auspices
10. Ruse
12. Denizen of new Guinea
14. Passionately indulge
16. Pet kitten
17. Hi +
20. Guts
21. Lucy in the sky with diamonds
24. Casual party
25. A constant
27. Neither he, nor she
28. Seize suddenly
30. Of the flank
31. The president (Abbr.)
32. A 'Great' Moghul Empire
33. A monkey
37. Total detergent (R)
38. Badly Disposed.

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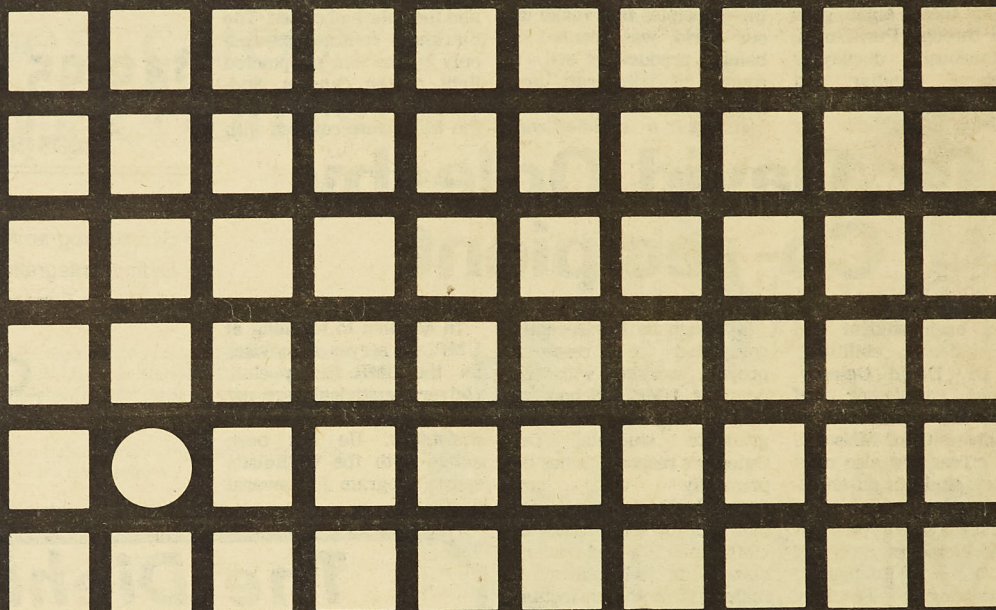
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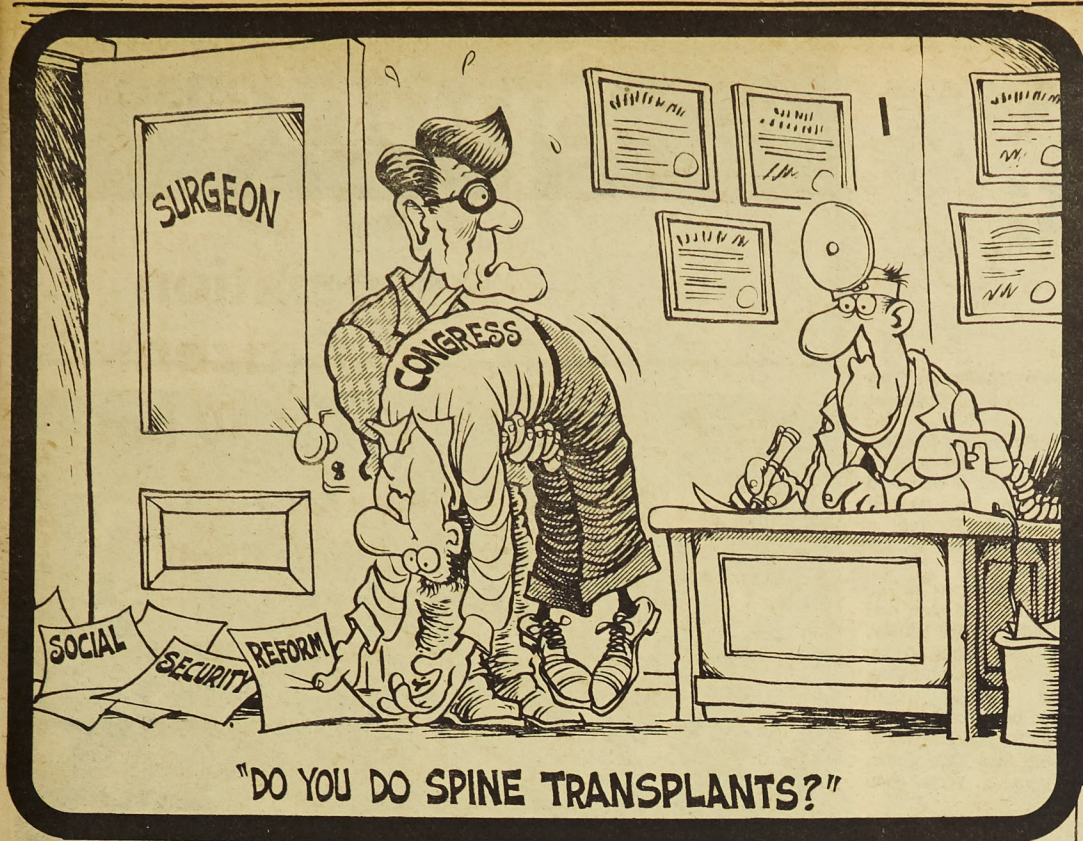
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M	A	R	R	E	D		G	A	B		O	N
				K	E	Y		A	L	B		A
S	P	E	T		A	T	E		U	S		
L	O	T		A	L	E		O	T	H	E	R
O	E		A	B	A	L	O	N	E		R	A
E	T	A	N	A		I	R	E		H	O	T
			I	T		G	E	T		H	O	S
D	A	M		F	I	R		A	I	T		
E	R		B	A	R		O	D	D	E	S	T
L	A	M	A		L	O	A	D		L	O	O
E	L	I	A		S	E	T	S		S	T	Y

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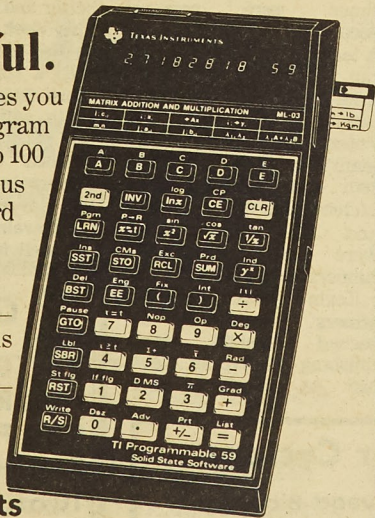


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Miners knock off Northeast; 2-0 in MIAA

By LARRY TIPTON

"This was the best game we have played so far this season," said head coach Charlie Finley of his team's 24-3 defeat of the Northwest Missouri State Bearcats. "The team played with more enthusiasm. They really got into the game this time."

With that victory the Miners boosted their record to 4-2 overall and 2-0 in conference play.

Saturday's game displayed the Miners' defensive abilities, as they virtually shut down the Bearcats' offense, which was ranked first in the conference in rushing and passing. "I thought the whole defensive squad had their best game yet," stated Finley.

The game was also the time for UMR's offensive players to show what they

could do. That's exactly what they did. "We showed more consistency on offense and we moved the ball with a lot more authority," commented Finley.

Leading the Miners on offense were senior Oscar Berryman, who led the rushers with 95 yards on 17 carries and Dennis Pirkle, who had another good afternoon at quarterback.

The Miners drew first blood on 40-yard Craig Thomas field goal, taking the lead 3-0, a lead they would never lose. The UMR squad then enlarged their lead with a touchdown on a Brian Paris one-yard run.

In the second half, the Bearcats got their only score on a 27-yard field goal after recovering a Miner fumble. The Miners came back however, scoring on another Paris one-yard run and on eight-yard interception

runback by freshman Tony Drumm. The final score was 24-3.

Coach Finley commented, "I expected a low scoring game, but I felt if we could move the ball, we'd do well against them. Having a large crowd psyches up the players, too."

What happened to all the mistakes the grid men had been making? Said Finley, "We still had some errors, but they were more hustling penalties rather than violations for mistakes."

"I feel if we play the rest of the games like this game, we'll have a very good season."

After taking a well deserved week off, which will help greatly in healing injuries, the Miners will host the Central Missouri State Mules.

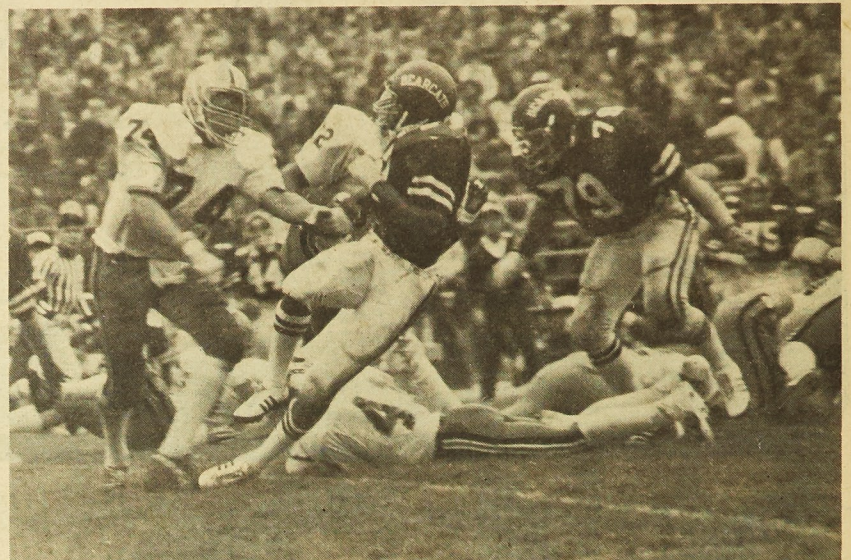
"They've done pretty well defensively," said Finley of the Mules. "I'm expecting a pretty close game."

Sports

Thursday, Oct. 15, 1981

MISSOURI MINER

Page 24



Scott Teter levels a Bearcat in the Miners' romp over Northwest in Saturday's Homecoming game.

(Photo by Vollmer)

Harriers third in invitational

By DAN BROWN

The second annual Miner Invitational cross-country meet was an exciting race! Mark Whalley of Principia covered the five-mile course in 24:22, only six seconds off the record set by Dan Dwyer of Southwest Missouri State in 1974.

Central Missouri State University won the 14-team meet with a score of 48 points. CMSU had six of the top twenty finishers! Northeast Missouri State University, led by Bryan Trickey (3rd) finished second with 73 points. UMR's A-team managed to fight off Principia for third place. The eighth-place finish by the Miner's B-team once again demonstrated the team's depth.

The Miners were led by senior Mark Stucky. Mark finished ninth with a per-

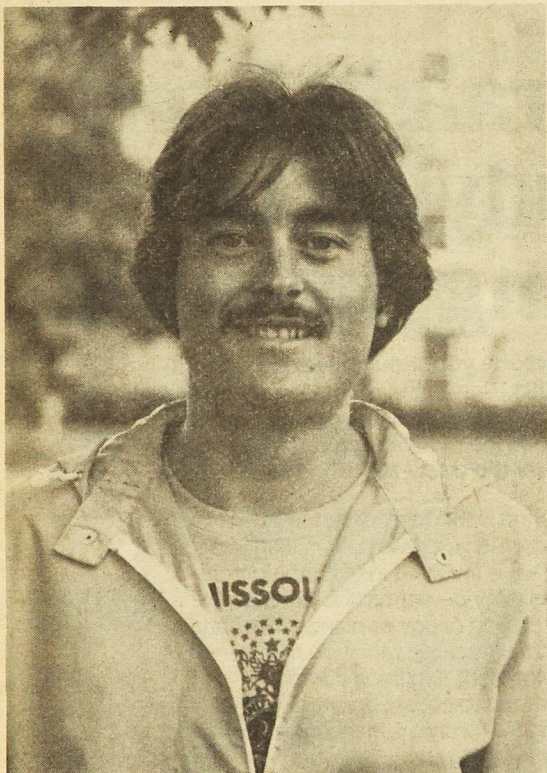
sonal record time of 25:26! Jim Bullard and Clint Campbell ran side by side almost the entire distance, as each helped push the other harder. Their strong finish helped the Miners stride past Principia. Jim finished fifteenth in 25:42, while Clint crossed the line a second later for sixteenth. Both times were personal records. Dave Moore, the A-team's fourth runner, also ran a personal best with a time of 26:11! He placed twenty-eighth overall. Jeff Peterson rounded out the A-team's scorers, finishing 36th with a 26:32. Pete Lichtenwalner (27:15 for 47th) and Joe Henze (28:02) were sixth and seventh runners for the A-team.

Kevin Stock led the Miners' B-team for the second straight week, finishing 34th overall. Kevin ran an excellent race,

crossing the finish line with the fifth best Miner time! His time of 26:26 was also a personal best! Mark Clauss ran the best race of his UMR career and captured forty-eighth place. His time of 27:20 was the eighth fastest on the team. Keith Smith, a freshman from West Plains, Missouri has been looking better and better each week. This week he finished ninth on the team (50th overall) with a time of 27:24. Ron Clark finished close behind Keith with a 27:35 (56th). And Scott Giltner (62nd) finished out the B-team scorers in a time of 27:57. Bob Saver (28:15) and Dan Lichtenwalner (28:43) also ran well for the Miners' B-

team.

Overall the Miners put three runners under 26 minutes and six under 26:30! And better even yet, several Miners set personal records! The Miners continue to get stronger with every meet they run. As the season winds down, the Miners will be preparing for the MIAA-National Qualifying Meet (Nov. 7). This coming Saturday the Miners will compete in their last big meet before the MIAA meet. The Miners will travel to Springfield to compete in the Southwest Missouri State University Distance Classic.



Mark Stucky

(Photo by Gieseke)

M - Club

Athlete of the week

M-Club's Athlete of the Week is Mark Stucky. Mark is a member of the Cross Country team and competed extremely well in the 12-team UMR Miner In-

vitational meet last weekend. He set a school course record in the 5-mile run with a time of 5:21.6. Congratulations, Mark, and keep those records falling!

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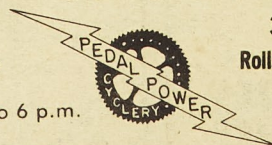
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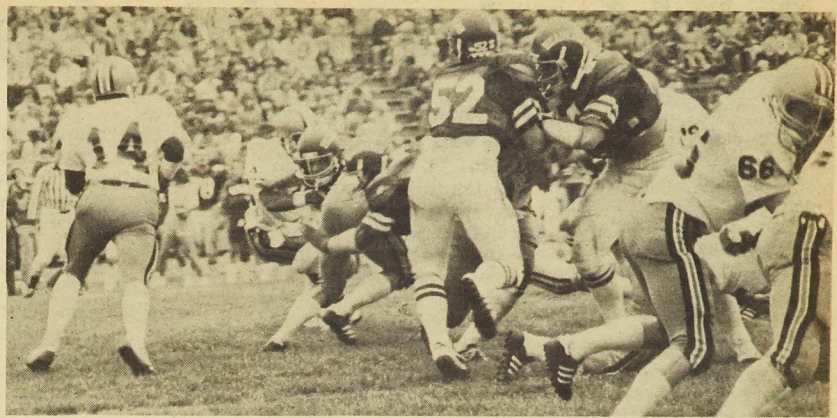
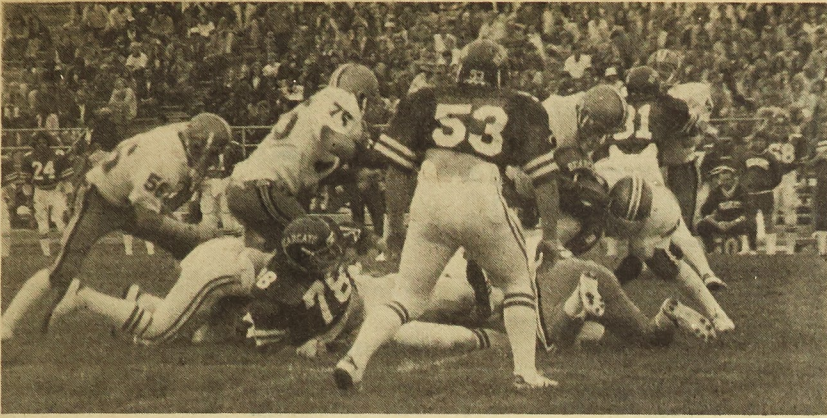
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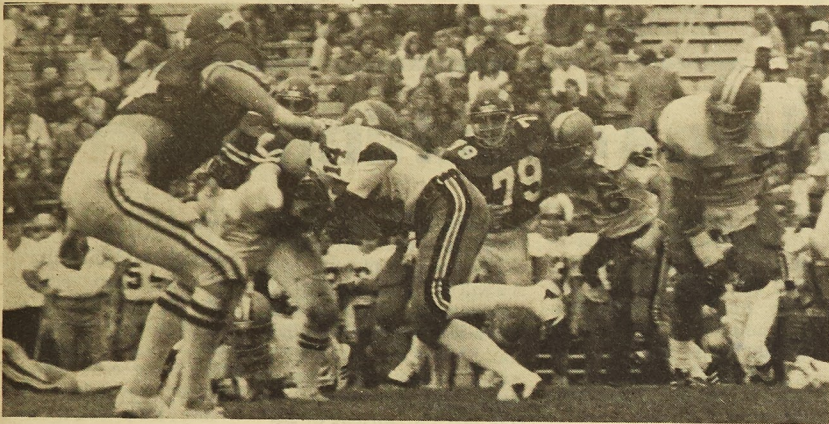
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Miners 'Barbecue the Bearcats'



UMR Parachute Club News

SOURCE: OPI

Four members of the University of Missouri-Rolla Parachute Club placed in an intercollegiate parachute meet Sept. 26-27, near the Lake of the Ozarks.

Individual winners were Jim Morris, president, first in masters class; Dr. Paul Worsey, faculty adviser, second in masters class; Lynn Vandervelden, first in intermediate class; and Kent Bicknese, fourth in intermediate class. Morris and Worsey also placed first and second, respectively, in the overall individual competition.

More than 40 persons representing several Midwestern universities competed in the meet.

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TJHA wins swimming

By JOHN DANIEL

TJHA and Campus Club dominated the swimming action in this year's intramural swimming meet, with TJHA narrowly defeating the defending champions 60-55. Five records were set in the meet.

Greg Morovitz paced TJHA as he anchored the winning 200-yard freestyle relay team and anchored the record-setting and winning team in the 200-yard medley relay. Morovitz also set a record while winning the 100-yard freestyle.

Paul Entwistle and Bob Chambers paced Campus Club with two wins each. Entwistle won the 50-yard butterfly after setting the record in the prelims, and then won the 50-yard freestyle as well. Chambers won the 100-yard individual medley and the 50-yard breaststroke.

Sig Ep's Karl Gress set records in the prelims in both the 100-yard individual medley and the 50-yard breaststroke, but had to settle for third and fifth place respectively in the finals.

The intramural cross country meet was held on the golf course last Friday afternoon. RHA won the team title as Dan Hogan finished second and Greg Swanson followed in third place.

Mark Rustine took individual honors and led Sig Pi to second place. Mike Wolfram's fifth place finish paced TKE to third place and Sig Ep took fourth on the strength of Craig Hendricks' fourth place finish.

Flag football regular season play concluded last night and the playoffs will be held Monday and Tuesday evenings. Sig Ep, TKE, Beta Sig and Kappa Sig qualified for the Division I playoffs.

Lambda Chi, Delta Sig and Triangle have qualified for the Division II playoffs. The final playoff spot was not yet determined when the Miner went to press.

Tennis play is concluding this week. Double elimination tournaments are continuing in racquetball and billiards as well.

Students are reminded that St. Pat's gym is available for free play each Tuesday and Thursday evening. The gym is open from 6-9 p.m. and validated student identification is required.

Following are the flag football standings through Tuesday night's games:

Intramural Football Standings

Division I

League 1		League 2	
Sig Ep	7 0	Beta Sig	6 0
TKE	5 2	Kappa Sig	5 2
KA	4 3	Pi K A	4 2
Sig Pi	4 3	Phi Kap	4 3
MHA-East	4 3	Sig Nu	4 3
Wesley	2 5	Sig Tau	3 4
RHA	1 6	Tech Eng	0 6
Campus	1 6	TJHA	0 6

Division II

League 1		League 2	
Lambda Chi	7 0	Triangle	6 1
Delta Sig	5 2	GDI	4 3
Newman	4 2	ABS	4 3
CCH	4 3	Delta Tau	3 3
A E Pi	3 3	Econ Club	3 3
ROTC	2 5	A Phi A	3 4
Acacia	2 5	Theta Xi	2 4
Pi Kappa Phi	0 7	BSU	1 5

Schulte joins coaching staff

OPI Release

Catherine Schulte, former women's basketball coach at Benedictine College, has been named to a similar position at UMR.

Schulte, who also coached volleyball at the Atchison, Kan., college, takes over the coaching reins from Miner coach Annette Caruso. Caruso will be on sabbatical next year.

During five seasons at Benedictine, Schulte took her club to the state tournament once and won a state title in volleyball in two other seasons. In addition to coaching at Benedictine, she attended that institution, playing varsity basketball, tennis, softball and gymnastics. She earned her master's degree from

Kansas University.

"We had a large number of applicants for this position," said UMR Athletic director Billy Key. "Our staff was very impressed with Cathy's qualifications and everyone I contacted regarding her ability told me the same thing."

"They all thought she was

an outstanding coach who would do an excellent job for us. We are very pleased that she will be joining our staff."

Schulte said she is looking forward to working with the basketball program at UMR, noting "There are already some good recruits on the way and I'm anxious to see how much potential this

talented, young team has."

Schulte said she will run a very organized program, stressing team defense.

"I think defense makes the most happen during a game," she concluded. "If you play good defense, most of the time you'll be in control of the game."



The 1981-82 Blue Key Student Directory

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Football Forecasts

by Joe Harris

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ATLANTIC CITY, N. J. 08404

SATURDAY, OCTOBER 17, 1981

*Adrian	28	Kalamazoo	7
*Akron	17	Morehead State	14
*ALABAMA	24	TENNESSEE	7
Albany (N.Y.) State	21	*Cortland State	7
*American International	21	Northeastern	14
*Appalachian State	21	V. M. I.	14
*ARIZONA STATE	28	CALIFORNIA	14
*ARKANSAS	14	TEXAS	13
*ARMY	31	PRINCETON	14
AUBURN	17	*GEORGIA TECH	14
Baldwin-Wallace	14	*Westminster (Pa.)	7
*Ball State	24	Kent State	21
*BAYLOR	21	TEXAS A. & M.	17
*Boston U.	24	Rhode Island	14
BRIGHAM YOUNG	31	*SAN DIEGO STATE	21
*BROWN	21	CORNELL	14
Bucknell	28	*West Chester State	14
*Capital	24	Ohio Wesleyan	14
Central Michigan	17	*Toledo	14
*Cheyney State	14	Kutztown State	13
*Citadel (The)	28	Davidson	14
Clarion State	17	*California (Pa.) St.	14
CLEMSON	17	*DUKE	14
*Colgate	31	Lafayette	14
*Delaware	28	Youngstown State	7
*Delaware Valley	42	F. D.-Madison	0
*DePauw	21	Denison	14
*Eastern Kentucky	17	Dayton	14
Evansville	14	*Valparaiso	13
Franklin	21	*Ashland	14
*Franklin & Marshall	31	Albright	14
*Fresno State	21	So. Illinois	20
Furman	21	*James Madison	14
Georgetown (Ky.)	14	*Butler	7
GEORGIA	28	*VANDERBILT	14
*Gettysburg	24	Swarthmore	7
Glassboro State	24	*Ramapo	7
*Grambling State	38	Miss. Valley State	14
*HARVARD	17	DARTMOUTH	14
*Hawaii	21	New Mexico	14
Holy Cross	14	*Connecticut	13
Hope	14	*Alma	7
*Howard U. (D.C.)	28	Virginia State	7
Idaho State	17	*Montana	14
*Illinois State	31	New Mexico State	14
*INDIANA	14	MINNESOTA	13
*Indiana U. (Pa.)	21	C. W. Post	7
*Ithaca	35	Brookport State	7
*Jackson State	21	Southern U. (La.)	7
*Johns Hopkins	14	Ursinus	13
*Juniata	31	Wilkes	7
KENTUCKY	17	*LOUISIANA STATE	14
Lehigh	21	*New Hampshire	14
*Long Beach State	14	Pacific (Calif.)	13
Louisiana Tech	14	*Lamar	13
Mansfield State	17	*East Stroudsburg St.	7
MARYLAND	17	*WAKE FOREST	14
*Massachusetts	21	Maine	7
*McNeese State	24	N. E. Louisiana	14
MIAMI (FLA.)	20	*MISSISSIPPI STATE	17
*MICHIGAN STATE	17	WISCONSIN	14
*MICHIGAN	24	IOWA	14
*Millersville State	35	Bloomburg State	14
MISSISSIPPI	17	*FLORIDA	14
MISSOURI	17	*IOWA STATE	20
*Montana State	21	Idaho	20
*Mount Union	28	Marquette	7
Muhlenberg	17	*Lebanon Valley	14
Murray State	14	*Middle Tennessee	14
NAVY	17	*BOSTON COLLEGE	13
NEBRASKA	35	*KANSAS STATE	14
North Carolina A & T	17	*Delaware State	14
NORTH CAROLINA	17	*NORTH CAROLINA STATE	14
*North Dakota State	31	Augustana (S.D.)	13

PROBABLE WINNERS & SCORES

North Dakota	17
Northern Arizona	28
*Northern Colorado	31
*Northern Illinois	21
*Northern Michigan	31
*OHIO STATE	31
*Ohio U.	31
OKLAHOMA STATE	17
*OKLAHOMA	31
*OREGON	21
*Pacific Lutheran	31
PENN STATE	24
*PITTSBURGH	17
*Puget Sound	24
PURDUE	49
RICHMOND	17
*RUTGERS	14
*St. Joseph's (Ind.)	24
*San Jose State	31
*Shippensburg State	21
*Slippery Rock State	17
*South Carolina State	28
*SOUTH CAROLINA	24
South Dakota State	17
*SO. CALIFORNIA	31
SO. METHODIST	17
So. Mississippi	17
*S. W. Louisiana	21
Springfield	24
Susquehanna	31
Tennessee State	24
*TEXAS CHRISTIAN	21
*TEXAS TECH	20
*Towson State	14
*Trenton State	14
Trinity (Conn.)	14
*Tufts	21
TULANE	21
Tulsa	17
U. C. L. A.	24
U. Tenn. (Chattanooga)	21
*Upsala	14
UTAH	31
*Virginia Union	41
Wabash	35
Wagner	14
Washington & Lee	17
*WASHINGTON	24
Weber State	17
*Wesleyan	17
*Western Carolina	21
*Western Kentucky	31
*Western Maryland	21
Western Michigan	17
*WEST VIRGINIA	24
*Wichita State	24
*Widener	41
*William & Mary	24
*Williams	14
*Wittenberg	14
*WYOMING	42
YALE	31

PROBABLE LOSERS & SCORES

*U. Nebraska (Omaha)	7
*Portland State	14
South Dakota	14
Bowling Green	14
Northwood (Mich.)	7
ILLINOIS	17
Eastern Michigan	14
*COLORADO	14
KANSAS	7
ARIZONA	14
Willamette	14
*SYRACUSE	7
FLORIDA STATE	14
Northridge State	14
*NORTHWESTERN	7
*CINCINNATI	14
TEMPLE	13
Indiana Central	14
Fullerton State	7
Lock Haven State	14
Edinboro State	14
Morgan State	17
VIRGINIA	17
*Morningside	14
STANFORD	7
*HOUSTON	14
*Memphis State	14
East Carolina	14
*Central Connecticut	14
*St. Francis (Pa.)	7
*Louisville	14
UTAH STATE	14
RICE	17
So. Connecticut	13
Salisbury State	13
*Colby	7
Middlebury	14
*AIR FORCE	14
*Indiana State	14
*WASHINGTON STATE	14
*Arkansas State	20
Lycoming	13
*COLORADO STATE U.	14
Bowie State	13
*Heidelberg	0
*Merchant Marine	7
*Hamden-Sydney	14
OREGON STATE	14
*U. Nevada (Reno)	14
Bates	7
East Tennessee State	20
Tennessee Tech	14
Moravian	14
*Miami (Ohio)	14
VIRGINIA TECH	21
West Texas State	17
Dickinson	0
Marshall	14
Bowdoin	7
Wooster	7
U. TEXAS (EL PASO)	7
*COLUMBIA	7



Delta Sig's John Groneck runs toward the finish line in last week's intramural cross country meet. RHA won the team title and Sig Pi's Mark Rustine took first place in the annual race.

(Photo by Vollmer)

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