



16 Sep 1976

## The Missouri Miner, September 16, 1976

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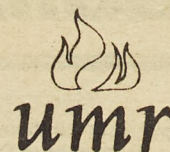
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# Missouri Miner

University of Missouri at Rolla



Thursday, September 16, 1976

Volume 63, Number 4

## National Enrollment Down; Education Costs Still Rising

Total enrollment in the Nation's schools and colleges is expected to drop slightly this fall to about 60.1 million, while total expenditures for education will climb to over \$130 billion, according to the "Back-to-School" forecast released today by HEW's Education Division.

Education this fall will be the primary activity of some 63.6 million Americans. In addition to students attending classes, almost 3.2 million people employed as classroom teachers, and an additional 300,000 will be working as superintendents, principals, supervisors, and other instructional staff members. Given a national population of 215 million, this means that about 3 out of every 10 persons will be direct participants in the educational process.

Enrollment in regular educational programs from kindergarten through graduate school this fall will come close to the all-time high of 60.2 million reached in the fall of 1975. A slight decline will again be evident in elementary school enrollment, reflecting the continuing decrease in the number of children 5 to 13 years of age which began in 1970. The number of pupils in public and private elementary (K-8) institutions is expected to be 34.2 million—down by more than one percent from the 1975 enrollment of 34.7 million.

Total high school enrollment is expected to reach a peak this year, exceeding 15.8 million—an increase of less than one percent over last year.

Further increases in college and university enrollment are anticipated until the early 1980's. For this fall, a jump of about four percent, from 9.7 million to 10.1 million, is expected in the number of students

pursuing degree-credit programs in colleges and universities.

Expenditures for public and private education at all levels are expected to exceed \$130 billion during 1976-77, an increase of some \$10 billion over the 1975-76 outlays of \$120 billion. Elementary and secondary schools are expected to spend \$81.5 billion during the next year, compared to \$75.3 billion in 1975-76. Estimated spending for colleges and universities in 1976-77 is 148.8 billion, up from \$44.5 last year.

Public schools and colleges will spend about \$105.8 billion in 1976-77, while privately controlled institutions will pay out about \$24.5 billion.

An estimated 2.5 million elementary and secondary school teachers will be instructing students in classrooms across the Nation this fall. This represents only minor increases in the number of teachers employed at both

the elementary and secondary levels.

The instructional staff at the college level is expected to total about 687,000—up 3 percent from the 670,000 persons employed a year ago.

Other highlights of the coming academic year include:

—The number of high school graduates in 1976, as in 1976, exceeded 3.1 million. The graduating class of 1977 is

expected to equal this record number.

—The number of earned degrees to be conferred by

### for Students, Faculty, and Staff

## UMR To Provide Flu Shots

—Flu immunization will be provided at the University of Missouri-Rolla campus for students, faculty and staff members at the Student Health Infirmary at no charge.

Mrs. Jessie Nations, head nurse at student health, explained that the nurses on duty would administer the shots and that a group of volunteer campus secretaries would fill out the necessary records.

Hours for flu shot administration will be from 9 a.m.

to noon and 1 to 3 p.m. Monday through Friday for a period of about two weeks. Certain days will be designated for each group—students, faculty and staff.

As soon as it is known when the vaccine will be available, a specific schedule will be published. "We think the immunization period will probably be shortly after the first of October," Mrs. Nations said.

"We estimate we will administer the vaccine to ap-

proximately 5,000 individuals," she continued. "This will not include the families of the University community, but we feel they will be eligible to participate in the program provided by the Phelps County Health Department which will be offered at about the same time."

Details of the UMR immunization program have been handled by a committee headed by Paul Ponder, dean of student affairs.



The German rock group, Nektar, will be in the UMR multipurpose building, Saturday, September 18 at 8:00 p.m. to entertain concert-goers with great rock music and a fantastic light show. Nektar's light show

features a multi screen, multi-projector, slide and liquid-light show, laser light, fog, and various other visual effects. See features for more information.

Continued on page 3

**SEPTEMBER 21,  
UMR'S NINTH  
ANNUAL  
INDUSTRY DAY  
MULTIPURPOSE  
BUILDING,  
10:00 A.M.  
-5:00 P.M.**



# Bullboard

MISSOURI MINER  
Thursday, September 16, 1976  
Page 2

Notices to appear in Bullboard should be typed and deposited in the North door of the Miner office in Bldg. T-1 by 10:00 p.m. Sunday. This will assure publication in the next edition of the Miner.

## AIAA

.. The first meeting of the American Institute of Aeronautics and Astronautics will be held today, Sept. 16, at 7 p.m. in G-5, H-SS. Featured speaker is Dan Melton, a professional hot-air balloonist from Springfield Balloonport. All aviation enthusiasts and interested students (whatever their major) are invited to attend. Free refreshments after the meeting.

## ASCE MEETING

.. The American Society of Civil Engineers will hold their second meeting of the year on Wednesday, September 22. The meeting will feature a panel discussion with four recent UMR graduates. Memberships for ASCE will also be available. The meeting starts at 7:00 P.M. in CE 114. Don't miss it! Refreshments served.

## TRAP AND SKEET

.. There will be a general meeting of the UMR Trap and Skeet Club Thursday September 16 at 7:30 in the Mark Twain Room of the Student Union. Plans for the 4th Annual Missouri Collegiate Trap and Skeet Tournament will be discussed and Practice sessions will be set. Old and new members are urged to attend. For further information contact Jake Stevens at 341-4481 or Charles Sidebottom at 341-3700.

## SAE MEETING

.. The UMR student branch of the Society of Automotive Engineers will hold its first meeting of the year Wednesday, September 22, at 7:00 P.M. in the Mechanical Engineering Auditorium. Guest speaker will be Mr. R. A. Rousos of the Ford Motor Company and the topic of the program will be "Automotive Testing: From Art to Science". The public is invited to attend and memberships will be taken prior to the meeting. Refreshments will be served following the meeting.

## GRADSTUDENTS

.. There will be a meeting of the Graduate Student Association this next Monday September 19 at 7:00 in Centennial Hall of the New Student Union. All students are invited and ask to come. Refreshments will be served.

## ACM MEETING

.. ACM will have its next meeting on Monday, Sept. 20, at 7:00 p.m. in G-5 H-SS. Our speaker will be Jim Williams from the Mo. Dept. of Social Services who will speak on "Project Control and Management". Refreshments will be served and memberships are still being taken.

## OPEN HOUSE

All UMR faculty and staff are cordially invited to an open house sponsored by the placement and co-op offices.

Date: Tuesday, September 21, 1976

Time: 2:00 to 4:00 P.M.

Place: Buehler Building, 9th & Rolla Sts.

## AIR HOCKEY

.. The Recreations Committee of the Student Union Board will be sponsoring an Air Hockey Tournament beginning September 27th. Trophies will be awarded for first and second places. The tournament is open only to UMR students, so sign up soon in the University Center. Any questions? Call Dave Freise at 364-3877.

## ASCE FALL OUTING

.. Friday, September 17, the American Society of Civil Engineers will hold their annual fall outing. It will start at 4:00 p.m. at Lions Club Park Pavilion Number 1. An admission of \$.25 for all members will cover the cost of all you can eat and drink. Don't forget, the students are out to even the score on the ball diamond.

## STREET DANCE

.. The brothers of EN, EOE, OKO, PiKA, Acacia and Triangle present a street dance, featuring "A Full Moon Consort", Friday Sept. 17 at 9th and State Street from 9:00 P.M. - 1:00 a.m.

## CONCERT NEWS

.. Nektar will be in concert Sat., Sept. 18, in the UMR multipurpose bldg. Tickets will be \$1.50 with a 2 per I.D. limitation. The concert is sponsored by the Student Union Board and will begin at 8:00 p.m.

## G.D.I. DANCE

.. G.D.I. will be holding a dance on Saturday, September 18. The dance will begin immediately following the Nektar concert, and will be located at the Armory. Setups will be available and B.Y.O.B.

## TENNIS TOURNAMENT

.. The Recreations Committee of SUB will be sponsoring a Tennis Singles Tournament beginning Sept. 20. Trophies for first and second places will be awarded. There is a sign-up sheet in the University Center. For more information call Mike Bell at 364-8968.

## BLUE KEY

New applicants for pledging are invited to a social hour to meet the active members. It will be at 7:00 p.m. tonight at Phi Kappa Theta. Dress will be shirt and tie.

Blue Key will have a barbecue for all members 11:00 a.m. Saturday at Pi Kappa Alpha.

## FRESHMAN of the YEAR

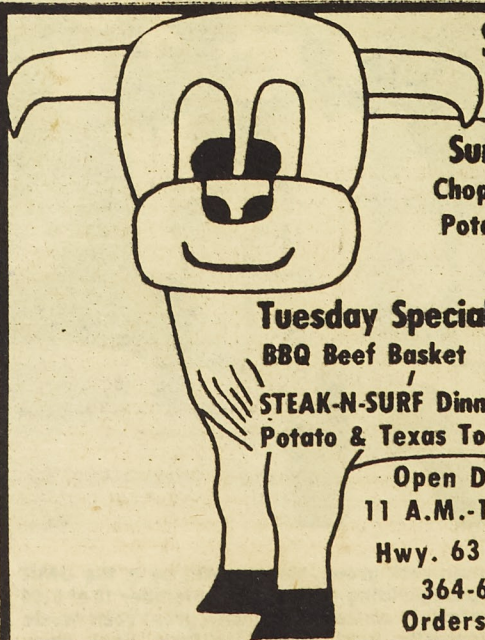
Applications for Freshman of the Year can be picked up starting tomorrow at the candy counter and at Student Personnel. For information call Jim Waechter at Lambda Chi Alpha, 364-9901.

## Hook Auto Supply

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**SALAD BAR**

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STEAK-N-SURF Dinner \$2.99  
Potato & Texas Toast

Open Daily  
11 A.M.-10 p.m.  
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364-6979  
Orders To Go

## Asphalt

### Extravaganza

ROLLA, Mo., Sept. — The 19th annual Missouri Asphalt Conference will be held Thursday and Friday, Nov. 18-19, at the University of Missouri-Rolla.

The conference is offered as a continuing educational activity of UMR's civil engineering department in cooperation with the Asphalt Institute and the Missouri State Highway Commission. Approximately 175 participants are expected to attend.

Purpose of the conference is to keep Missouri contractors, engineers and educators up-to-date with current information about research, applications and techniques of using asphalt. One of the topics to be discussed is "Discarded Tires in Highway Construction."

An added feature of this year's program is a pre-conference workshop on "Fundamentals of Asphalt Technology." The workshop will be held Thursday morning and is open to any conference participant at no extra charge.

Highlight of the conference will be an address by John Kemp, regional administrator, Federal Highway Administration, Washington, D.C. Kemp will speak on "Latest Status of Federal Highway Funding" at the Friday noon luncheon.

Registration is \$22 per person. The fee includes cost of the banquet Thursday evening at Rolla's Manor Inn and the Friday luncheon at UMR's University Center. Conference sessions will be in the Civil Engineering Building Auditorium.

Dr. Ward Malisch, associate professor of civil engineering at UMR, serves as moderator of the conference.

For further information or to register, write or call Bill Kratzer, Extension Division, University of Missouri-Rolla, Rolla, Mo., 65401 (phone: 314-341-4201).



# Miner News

Thursday, September 16, 1976

Page 3

## Students Needed For Faculty Standing Committees

Each year students are given the opportunity to serve as representatives of the student body serving on faculty committees of the Academic Council. This year students are still needed to fill some of the vacancies on these committees. If you would be interested in serving on any of the following committees come by the Student Council office room 202 in the Old Student Union, between the hours of 2:00 and 4:00 p.m. immediately and sign up:

### PUBLIC OCCASIONS

This committee consists of six faculty members, one administrator, and three students. It makes general plans for University-sponsored assemblies, programs, and public

occasions, such as University Day, Parents Day, Homecoming, and Commencement. It recommends policy for faculty and student programs, guest speakers, and ad hoc events. It also supervises a calendar of events for the campus.

### FACILITIES PLANNING

This committee consists of three faculty members from the Academic Council and one from each school and college, one graduate student, and two students. It studies and makes recommendations to the Academic Council concerning policies and priorities for physical facilities, including buildings, equipment, and land acquisition.

### COMMITTEE ON EFFECTIVE TEACHING AND FACULTY AWARDS

This committee is authorized and established by the Provost and Dean of Faculties. It conducts seminars for the benefit of teachers and of improving instruction and recommends methods to improve teaching effectiveness; nominates faculty members for special teaching and research awards established at the University of Missouri-Rolla.

### STUDENT CONDUCT COMMITTEE

This committee consists of faculty members and three students. It rules on questions of interpretation of the "University of Missouri Rules of Procedure in Student Disciplinary Matters." It may also make recommendations on policies to the Board of Curators through the Academic Council. Decisions of this committee on disciplinary matters shall be reported to the Academic Council.

## Free University Classes

By Linda Ponzer

"Free University Classes" are being co-sponsored by UMR and Christian Campus House. These free classes are an attempt to provide quality instruction on topics of religious interest not normally available to the university student.

These classes will be taught by UMR professors, special guest speakers and Roger Thomas, CCH Campus Minister. The classes are open to anyone who is interested. Following is a list of the topics for the classes and a brief description of each:

### CROSS CURRENTS-FALL '76

1. **Understanding the Bible.** Roger Thomas: overview of Bible history, introduction to basic research tools for personal Bible study, and an examination of methods of independent Bible study. (Monday, Sept. 18, 7:00 P.M. and following four weeks.)

2. **T.M. or not T.M..** Eugene Warren: a critique and analysis of transcendental meditation from a Christian perspective; introduction to various oriental world-views common today. (Thursday, Sept. 16, 7:00 P.M. and following four weeks.)

3. **Science and the Bible.** Charles Hatfield: a study of the relationship of biblical Christianity and science, historic conflicts, and areas where the Christian world view supports modern science, and the ethical problems of science. (Monday, October 11, 7:00 P.M. and following four weeks.)

4. **The Old Testament Made Easy.** Roger Thomas: a close look at Old Testament history, survey of Old Testament books and background information that makes understanding the Old Testament easier. (Thursday, October 14, 7:00 P.M. and the following four weeks.)

5. **Contemporary Christian Viewpoints.** Roger Thomas: a seminar featuring special guest speakers representing various religious viewpoints in the Christian world — Catholic, Protestant, Fundamentalist, Pentecostal, etc. (Monday, Nov. 8, 7:00 P.M. and following four weeks.)

6. **The Devil, You Say.** Nolan Aughenbaugh: a survey of the Bible's teachings regarding Satan and the occult and its application to issues in the modern world. (Thursday, Nov. 11, 7:00 P.M. and following four weeks.)

## Enrollment

## Down

continued on page 1  
colleges and universities during 1976-77 is estimated as follows: Bachelor's degrees, 918,000; first professional degrees, 60,000; master's degrees, 338,000; and doctorates, 37,000. Except for the bachelor's level, these are all-time highs.

—The Federal Government's support for education at all levels continues to grow. Federal grants (including grants to individuals as well as to educational institutions and agencies) have increased from \$5.2 billion in fiscal year 1966 to approximately \$19.7 billion in 1976.

—Total expenditures for education from all sources amounted to approximately 8 per cent of the Gross National Product last year.

These "back-to-school" statistics are derived from the surveys, estimates, and projections of the National Center for Education Statistics, Department of Health, Education, and Welfare. All figures are subject to minor revision when final data become available.

## Placement Center Seminar

The UMR Placement Office is sponsoring the Seventh Annual Career Seminar beginning last Tuesday, September 14th. The seminar is broken up into 4 sessions, each emphasizing a different facet of recruitment and placement of personnel. All the sessions will be held in the ME Auditorium, starting at 7 p.m. on their respective dates.

### SEPTEMBER 16

Mike Dietermann, York Air Conditioning Bs- Mechanical Engineering December 1975  
Karen Dollar E. I. Du Pont De Nemours BS-Engineering management May 1974  
Art Kohberg Anheuser Bsuch - BS-Mechanical Engineering - 1972

### SEPTEMBER 21

Career Discussions By:  
Leon Crawford - Armco Steel Corp. - BS-Electrical Engineering - 1972  
Greg Huff - Olin Corporation - BS-Engineering Managemtn - May 1976  
Denny De Spain - Charmin Paper Co. - BS-Engineering Management - May 1972  
John Wieshehan - Ralston Purina - BS-Mechanical Engineering - July 1972

### SEPTEMBER 23

Demonstration Job Interviews By:  
John Dills - Campus Personnel Office - L.R. Nuss - Director of placement

## Interview Schedule

### SEPTEMBER 27

Texas Pacific Oil  
Ethyl Corp.  
U.S. Marines  
International Harvester

### SEPTEMBER 28

Amax Coal  
Union Oil Company of Calif.  
American Air Filter  
Texas Pacific Oil  
Oklahoma Gas & Electric  
Deere & Company  
Ethyl Corp.  
U.S. Marine  
Tennessee Valley Authority  
International Harvester

### SEPTEMBER 29

U.S. Navy Recruiting Station  
American Air Filter  
Std. Oil of Indiana  
Northern Illinois Gas  
Skelly Oil  
Law Engineering

### SEPTEMBER 30

Std. Oil of Calif.-Petr.  
Rexnord  
Dravo Corp.  
Procter & Gamble  
Kansas City Power & Lgt.  
Publ. Serv. of Oklahoma  
U.S. Navy Recruiting  
Std. Oil of Indiana  
York Air Conditioning  
Cutler Hammer  
Gulf States Utility  
Johns Manville  
Chevron Oil-Denver

### OCTOBER 1

Proctor & Gamble  
York Air Conditioning  
Johns Manville  
Sperry Flight  
Texaco, Inc. Geology  
International Business (IBM)  
Std. Oil of California-Petr.

## Missouri Miner

The MISSOURI MINER is the official publication of the students of the University of Missouri-Rolla. It is published at Rolla, Missouri, every week during the school year. Entered as second class matter February 8, 1945, at the Post Office at Rolla, Mo., under the Act of March 3, 1879. The subscriptions are \$3.00 per semester. This MISSOURI MINER features activities of the students and faculty of UMR.  
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Articles and photos for publication in the Miner must be in by 9:00 p.m. on the Monday before printing on Thursday.  
Mailing Address - Missouri Miner, University of Mo. - Rolla



## English as a Second Language

—A 13-week course in "English as a Second Language" is being offered by the University of Missouri-Rolla Sept. 20 through Dec. 17 for international students, their families and residents of Rolla and the surrounding area.

Class periods will emphasize spoken English and the skills needed by university students. There will be two sections, one for persons who know little or no English and one for those who have some level of proficiency. Enrollment in each

section will be limited and much personal attention will be given to the individual language problems of the participants.

Classes will be held Monday, Tuesday, Wednesday and Friday of each week at 2:30 or 3:30 p.m., depending on the section in which the student has been placed. Two hours of work in the language laboratory is required each week at the student's convenience.

The course is an extension activity of UMR's humanities department. Mrs. Barbara

Epstein, an experienced teacher of English as a second language, is the instructor.

An organizational meeting for those interested in attending either section will be held at 2:30 p.m., Monday, Sept. 20, in Room 203 of the Humanities-Social Sciences Building.

Fee for the course is \$75. To register or for further information, contact: Bill Kratzer, UMR Extension Division, T-5, 11th and Park Streets, Rolla, Mo., 65401 (phone: 341-4200.)

## Student Council-Amendment Update

Article VIII of the UMR Student Council Constitution reads in part as follows:

Section 1. Amendments may be made to this constitution by either of the two following methods, it being understood that approval of the faculty is necessary for any amendment:

First — Amendments may be presented to the Council and if approved by a 2-3 vote of the Council, the text of said amendment shall then be advertised in the Missouri Miner and on the school bulletin boards for at least one week. A ballot election of the student body must then be held with a 2-3 majority of those students voting constituting approval. A minimum of thirty per cent of the student body must vote in the election for it to be con-

sidered a valid election. If this minimum percentage is not attained, another election will be conducted within 4 school weeks. If the proposed amendment should not receive the minimum percentage for the second time, it may be resubmitted for at least one entire academic semester.

Amendments to the constitution were attempted in the closing weeks of the spring semester. This attempt failed in having the required 30 per cent of the Student body's vote and, as a consequence, will be run again Wednesday and Thursday, September 29 and 30. Next weeks Miner will contain the Student Council Constitution changes. Read them over carefully and if you have any questions ask your Student Council Representative.

## Danforth Foundation Awards Fellowships

Inquiries about the Danforth Graduate Fellowships, to be awarded by the Danforth Foundation of St. Louis, Missouri in March 1977, are invited, according to the local campus representative, Dr. Adrian H. Daane, Dean, College of Arts and Sciences G-4 Humanities-Social Sciences Building (UMR).

The Fellowships are open to all qualified persons who have serious interest in careers of teaching in colleges and universities, and who plan to study for a Ph. D. in any field of study common to the undergraduate liberal arts curriculum in the United States.

Approximately 60-65 Fellowships will be awarded to seniors and recent graduates who are considered "Early Entry" applicants in the Program. Another 35-40 awards will be made to post-baccalaureate persons who are called "Late Entry" applicants

and who apply directly to the Foundation. Preference is given in the "Early Entry" component to persons under 30 years of age and in the "Late Entry" component to persons 30-40 years of age.

Applicants for the Early Entry awards may not have undertaken any graduate or professional study beyond the baccalaureate and must be nominated by Liaison Officers of their undergraduate institutions by November 15, 1976. The Danforth Foundation does not accept direct applications for the Early Entry Fellowships.

The Foundation is currently making a special effort to bring qualified persons from the racial and ethnic minorities into the profession of teaching. Approximately 25 per cent of the awards are expected to be awarded to American Indians, Blacks, Mexican-Americans, and Puerto Ricans.

The Danforth Graduate Fellowship is a one-year award but is normally renewable until completion of the advanced degree or for a maximum of four years of graduate study. Fellowship stipends are based on individual need, but they will not exceed \$2275 for single Fellows and \$2450 for married Fellows for the academic year, plus dependency allowances for children. The Fellowship also covers required tuition and fees.

The Danforth Foundation, established by the late Mr. and Mrs. William H. Danforth in 1927, is a national, educational, philanthropic organization, dedicated to enhancing the humane dimensions of life. Activities of the Foundation emphasize the theme of improving the quality of teaching and learning. The Foundation serves the following areas: Higher education nationally through sponsorship of Staff-administered programs; precollegiate education nationally through grant-making and program activities; and urban affairs in St. Louis through grant-making and program activities.



Date: SEPT. 22 & 23, WED. & THURS.

Time: 10:30 A.M.-4:00 P.M.

Place: ST. PAT'S BALLROOM  
OLD STUDENT UNION



## Every vet's completed half of Army ROTC. Now consider the last half. It's a better deal!

Your time in any of the service counts as constructive credit for the first 2 years of Army ROTC. That makes you eligible for the Advanced Course. There are several reasons why that can be a good deal.

For openers, you get \$100 a month (for up to 10 months a year) while you take Advanced ROTC. This is in addition to all your Veteran's benefits.

It keeps more options open. You earn your degree and a commission at the same time. You can apply for Active

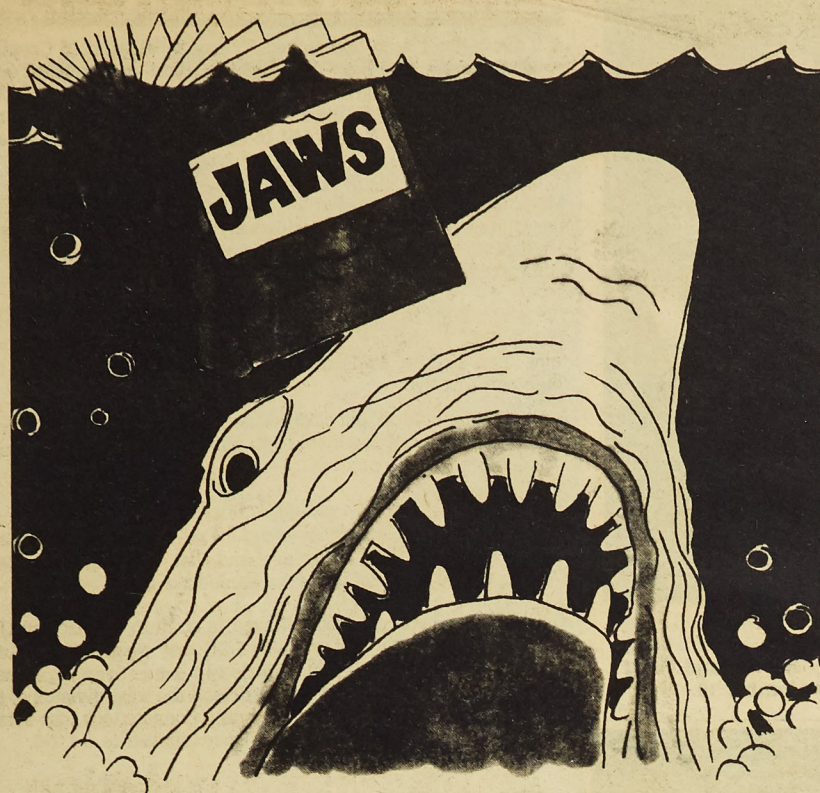
Duty to enjoy the prestige, pay and challenge of an officer. (Your times in the service counts for longevity and retirement for either active or the Reserve.) Or, you can put the leadership skills learned in ROTC to work for you in civilian life.

Army ROTC's got a lot going for it. Particularly for veterans. It's worth checking into!

Army ROTC. Learn what it takes to lead.

Army ROTC Department-UMR Phone: 341-4741





# It Sounds Incredible

BUT EVELYN WOOD GRADUATES CAN READ

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You can do it, too. So far over 550,000 other people have done it. People who have different jobs, different IQs, different interests, different educations have completed the course. Our graduates are people from all walks of life. These people have all taken a course developed by Evelyn Wood, a prominent educator. Practically all of them at least tripled their reading speed with equal or better comprehension. Most have increased it even more.

Think for a moment what that means. All of them—even the slowest—now read an average novel in less than two hours. They read an entire issue of Time or Newsweek in 35 minutes. They don't skip or skim. They read every word. They use no machines. Instead, they let the material they're reading determine how fast they read.

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This is the same course President Kennedy had his Joint Chiefs of Staff take. The same one Senators and Congressmen have taken.

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**TIMES:**

**6 PM & 8:30 PM**

**LOCATION:**

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**EVELYN WOOD READING DYNAMICS**

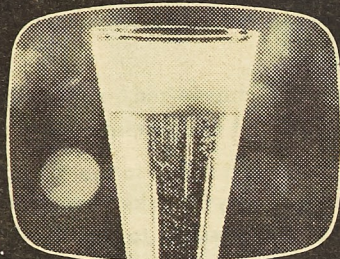




The Alpha-Omega players gave rousing performance in the play, "Heroes and Hard Cases." The play was performed on the UMR campus last Friday, September 10.

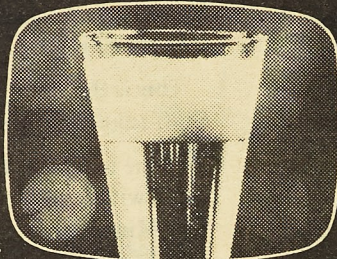


## Should you sip beer or what?



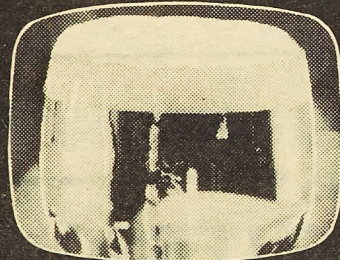
1.

Sip... by sip...



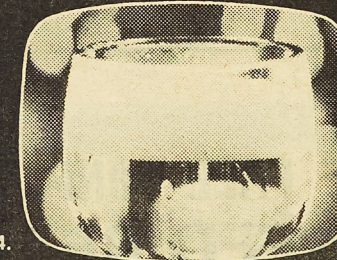
2.

...by sip. That's one way to drink beer — and it's fine.



3.

But when it's Budweiser®, why not try a good, l-o-n-g drink?



4.

Ahhhh. That's the best way to enjoy Bude's rich Beechwood Aged flavor and aroma.



5.

Of course, long swallows might empty your schooner sooner...



6.

but look at the bright side: it sure was great while it lasted!



Get a free copy of the Budweiser "Beer Talk" Booklet. Write "Beer Talk," Anheuser-Busch, Inc., St. Louis, Mo. 63118

## On The World Front

A TWA jetliner was hijacked Friday by a band of Croatia revolutionaries. The New York Chicago flight was transferred to Paris; propaganda leaflets were dropped over Paris, New York, London and Montreal. The revolutionaries were later captured and taken back to New York to face murder and air piracy charges.

Missouri, with 35,500 assembly line workers, will be hit hard as the United Auto Workers decided to strike over a dispute with Ford Motor Company. Missouri is second only to Michigan in automobile and truck production.

Chairman Mao Tes-tung, the leader of the Chinese revolution for nearly half a century, is dead. For other member of China's nine man highest decision making body have died in the last eighteen months.

On the national level, out of 18 per cent of all students who receive federal loans do not pay them back. But in the Midwest only about 2.1 per cent fail to pay up.

The College Entrance Examination Board reported that scores on the Scholastic Aptitude dropped again last year. The mathematic level remained at the same level-and that was reached in 1973-74. The verbal region of the test recorded a new low.

On the sports scene: Missouri moved to sixth in the AP and UPI polls following their victory over USC last weekend. Weekend football scores: St. Louis 30, Seattle 24; Sand Diego 30, Kansas City 16; The Kansas City Royals still lead the west division of the American League by 4½ games. Jimmy Connors took four sets to defeat Bjorn Borg for the men's US Open tennis title, 6-4, 3-6.

## The Pershing Rifles

The National Society of Pershing Rifles (P-R's) is open to new membership at the present time on the UMR campus.

Many believe that membership in the Pershing Rifles carries with it a military obligation similar to that of the last two years of ROTC. This is completely erroneous. There is absolutely no obligation to any branch of the service. Nor is there any requirement that a member be enrolled in ROTC.

In recent years there have been many members including Pershing Rifle Captains, who were not enrolled in ROTC. Pershing Rifle Company K-7

of UMR participates in drill, marksmanship and tactics competition; its members man the cannon (which is the symbol of the 7th Regiment of the National Society of Pershing Rifles) at all home football games and attend the Regimental and National meetings. The Company usually has a few parties and picnics per semester.

Tonight, at 7:00 in Room 213 of the Old Student Union Building, we are holding a Smoker meeting to show you a little more of our organization and to answer any questions you may have. Refreshments will be served.

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Larry's Ltd.

Business 44 across from McDonalds

Cash & Carry With This Coupon

20% OFF

Good For Sept. 16, 17 & 18





"I find peace"...

## Biggs Coffee House Well-Received

"I find peace in God's own land," resounded throughout the student union as John Biggs, noted guitarist, sang and played the six and twelve string guitar along with the banjo. He did songs by John Prine, Gordon Lightfoot and Earl Scruggs. He also mixed some well-received dialogue with his singing and picking. One of them was 'The Moose Turd Pie' routine originally done by Utah Phillips.

John Biggs began playing the guitar when he was 13 and has been playing ever since. He worked playing guitar and singing at bars, to buy groceries while he went through six years of college. He wound up getting

a B.S.A. degree in History, and a Secondary Teaching Degree with a minor in French. His first big break came when he took the place of a guitarist who was killed along with Jim Croce.

John has been playing the coffee house circuit for 3½ years, but prefers playing at Coffee Houses because of the "more personal contact that develops between the performer and the audience." John writes around 25 per cent of what he performs; "the music I do, touches on everything I've done," says John. It seemed that whatever song John sang the audience related to John and really got high on his music.

Picking up his banjo, John introduced and played his 'last

song' which was "Blowing In The Wind," with which the entire audience sang along. It didn't turn out to be the last song though, because he came back for two encore numbers. The first encore was "Foggy Mountain Breakdown" on the banjo, for the second he got his guitar and did another audience sing-a-long. This time it was "This Land Is Your Land." He received a well-rounded hand of applause and was greeted by many members of the audience afterwards.

Upon being asked about his reception at Rolla, John had this to say, "this was the best reception I've had for awhile," and "I had a good time and I hope you did too."

## Nektar To Play For First Party Weekend

Wanna hear some really good rock music and see one of the best light shows touring America? Well you have a chance to do just that, Saturday night in Rolla. Nektar, on tour in America from Germany, will be in the U.M.R. multipurpose building, Saturday, September 18, at 8:00 p.m. Tickets will be \$1.50 per student with a two per I.D. limit. Tickets are on sale from 9:30 to 3:30 in the student union and will be sold at the door Saturday night.

Nektar's light show includes a multi-screen, multi-projector, slide and liquid-light show,

laser light, fog, and various other effects common to big name concerts. They like to think of their light show "as another instrument to paint pictures of your music."

Their music is even more outstanding than their light show. They have three albums on the market: Remember the Future, Down to Earth, and Recycled. The latter being the newest and composed expressly for the American audience. They have become very popular with a large number of concert goers and consider the U.S. to be their second home.

This is the first of many fine concerts to be sponsored by the General Lectures committee of the Student Union Board this year. We hope to see you there.



Editor's Note: Last week under the Pom-Pom Girl's picture we said the Missouri Western game was "here" and we meant to say "there" — really, the "t" disappeared! Sorry if we made anyone think that there was a game here. By the way, the Miners won that game 7-6.



## Classified Ads

by Karen Downer

**BUY OR TRADE** last six years of Popular Mechanics. In good condition, only read once. Make offer. Contact Joe at the Bonafide Gas Station.

**HOUSEWIVES: ARE YOU BORED WITH YOUR LIFE??** Sell MonBomb Contraceptives by phone. Earn extra money while learning the intimate details of your neighbors' lives. Write the Rolla office of Zero Population Growth.

**APARTMENT FOR RENT** — kitchenette, livingroom, bedroom, and nursery. Diaper service available, also babysitters. Reasonable rates for growing families. Fertility Flats.

**FREE TO GOOD HOME** Rolla Miner needs a loving gal. Excellent with children. Has had all shots. Call QV5-7854

**WANTED: LIVE-IN HOUSEKEEPER** for personable bachelor. Approx. 20-23 yrs old. Must do all cooking, cleaning, laundry, et. Excellent fringe benefits. Call QU7-9856

**FOR SALE** — rebuilt Army jeep. Unique 3 wheel drive. Left over from Korea; withstood the test of time. Mess kit and machine gun included. Cash and carry. Zo5-2848

**GIRLS — GIRLS — GIRLS** Adult massage parlor needs female attendants. Experienced or we will train. Apply in person. 69 Fraternity Row.

**GUARD WANTED** to protect an attractive, engaged coed while fiance is out of town. Must have black belt in karate. Write 3735 Lover's Lane

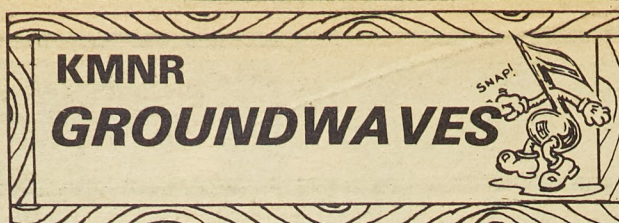


With the Miner's football team's .500 record the UMR cheerleaders show the enthusiasm that is being displayed by all on campus. Go team. Go!

(Photo by Finley)







KMNRR would like to introduce you to its Executive Board, the group of people selected by the Student Board of Publications to hold the administrative positions at your radio station.

This year's Station Manager and Head Honcho is Craig Bernstein. A senior in engineering management, Craig has been at KMNRR for 3 years, in such capacities as announcing, on the news staff, and News Director. As Station Manager, he is responsible for seeing that the whole thing "clicks".

Probably the most important person around the station is Jeff Bradshaw, 'cause without the Chief Engineer, the station couldn't function. Jeff's a junior this year in EE (what else?), and has been around the station for 2 years. With a First Class Radiotelephone Communication License with Ship Radar Endorsement, and 10 years experience as an electronic technician, JB keeps the transmitter transmitting.

Next around the station is Ron Williams, Program Director. Ron's been with KMNRR for a year and a half. When he's not busy being a CE (he's a senior this year, 21, and available), he's doing announcing or editing the evening news. Ron's the one who's responsible for everything that goes out over the air in the way of music and special programming.

Bill Ogroski is the man at KMNRR with the answer to the ever-present question, "When do I get paid?" A senior in EE, Bill's been with KMNRR for 2 years, serving as announcer, news reader, and is presently Personnel Director.

Steve Serniak, a junior in EE, is presently the Business Manager of KMNRR. For the past year and a half, Steve has done announcing, been editor of the evening news, and is presently responsible for paying the bills.

John Golzy, News Director and Record Librarian, is also very shy and wishes to remain anonymous, so...

Public Relations this year is being handled by Mary Foehse. Mary has been around the station for 2 years, working as announcer and news reader. If you're looking for a Stereo 90 t-shirt, she's the person to see.

Along with the seven Executive Board members, there are several assistants around KMNRR that help keep everything in working order.

Probably the person that everybody hears is Judge Hamilton, Production Director. Judge has been at the station for a year and a half, as announcer and production assistant, and is now in charge of all the carts and Public Service Announcements that go out over the air.

The Educational Director this year is Brian Smith. Brian is a senior in ME, and this is his second year as announcer at KMNRR. He is responsible for choosing the special educational programs such as Nostalgia Theatre.

Dan Williams is Music Director this year. A senior in geological engineering this year, Dan is responsible for seeing that the station has the best selection in all types of music.

If you're unhappy with anything that you hear over 89.7, these are the people to contact. They, as well as the entire staff of KMNRR, are here to serve you.

This week on Feedback, Keith Wren will have as his guest, Jess Zink, of Auxiliary Enterprises. Be sure to be listening on Monday, at 8:00 P.M. On Flipped this week, Tuesday, September 21, will feature Montrose's "Jump On It", and Thursday, September 23, will be "Go for Broke", by Ian Matthews. And Alfredo Schwartz will host "Bob Seger on Wednesday at 8:00 P.M."



Dr. David F. Walsh

## Former Student, David Walsh Dies

by Kathy Sorrell

David Francis Walsh, former student and teacher at the Missouri School of Mines, died at Phelps County Hospital on July 19. He was 78.

Walsh, well known for his involvement in campus activities, was born in St. Louis in 1897. He attended St. Louis University Academy High School from which he graduated with honors.

A WWI veteran, Walsh came to MSM at the age of 22. The young Metallurgy major quickly established himself on campus and became active in several organizations including Mercier Club, the Order of IKK, Prospector's Club, the Missouri Mining and Metallurgical

Association and Tau Beta Pi. In addition, he was an honorary member of Triangle and Sigma Nu Fraternities.

The 1923 Rollamo yearbook refers to Walsh as a student who "will talk with the slightest provocation." But Walsh did more than talk. In his junior year he impersonated St. Pat in the St. Patrick's Day annual celebration. During the summer of the same year, Walsh and a friend canoed from Jerome to St. Louis.

After Walsh graduated with a B. S. in 1923, he received a scholarship to study for his M. S. at the School of Mines and Metallurgy of the University of Nancy, France. It was here that he met Yvonne Baumgartner, who would eventually become his wife.

Walsh returned to MSM as an Assistant Professor in 1925 and taught in the Metallurgy Department until 1951. At this time he went to work for the U. S. Bureau of Mines.

Bureau director Morris Fine remembers Walsh as a "totally charming person, competent and knowledgeable in his field."

When Walsh retired in the spring of 1965, he was a member of AIMME, the American Society for Metallurgists, the American Ordinance Association, the American Foundrymen's Association and the Missouri Society of Professional Engineers.

David Walsh died a well known and much respected metallurgist.

Ed. Note: See Note on Page 12

**THE RICE PADDY**

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**Stop By And Browse  
Campus Book Store**



## Those Were the Days ----- from Miner Files by Brian W. Kavanaugh

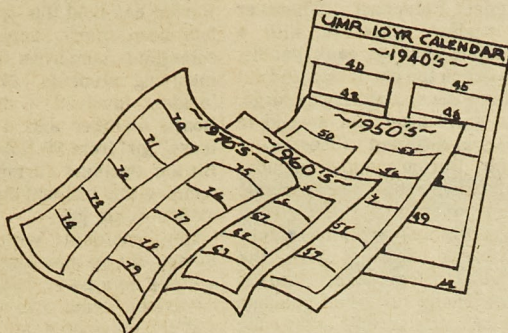
Tired, muddy, tobacco stained, bewildered, and none the wiser, the lowly class of 1945 emerged from two days of mass initiation with their spirit badly dented but unbroken. The traditional frosh hazing began Monday night with the pantsing battle and lasted throughout Tuesday.

A mass meeting of the classes of '45 and '44 together with a few '42s and '43s at the clay pits northwest of town began the ceremonies. After songs and yells, the frosh met the upperclassmen along Nagagomi road in the historic "pantsing" battle from which many a Miner issued minus his modesty. In great fear of the "wrinkle", etc., the frosh were

reluctant to leave the pits; and the wee small hours saw many a bare freshie hurrying homeward.

Despite a harrowing night, the confident frosh gathered in

the upper field early Tuesday morning, come what may. In the tug of war, the frosh were victims of disunion and mud, and were dragged to defeat. Then following in close order



came the sand bay battle, the sojourn through the sewer accompanied by delicious "long green" and spicy mouthfuls of garlic, and the snake dance downtown which terminated the morning session.

Issue of caps and suspenders

and more horseplay continued throughout the afternoon. The weary frosh were then allowed to go home.

The frosh took initiation with fine spirit and "tough" freshies were few and far between.

### Public Notice

On Feb. 1, 1975 KMNR was granted a license by the Federal Communications Commission (FCC) to serve the public interest as a public trustee until Feb. 1, 1977. We must file to renew our license by Oct. 1, 1976

When filed, a copy of our application for renewal will be available at KMNR for public inspection. It contains information concerning our performance over the last 3 years

and projected programming for the next three years.

Persons wanting to obtain facts about our application renewal or whether we have served in the public interest may do so by contacting the FCC. Petitions must be filed by Jan. 1, 1977.

Further information on license renewal is available at KMNR, 203 A Mining Building, University of Mo. at Rolla or by contacting the FCC, Washington, D.C. 20554.

# SR-56

## The super slide rule programmable powerhouse

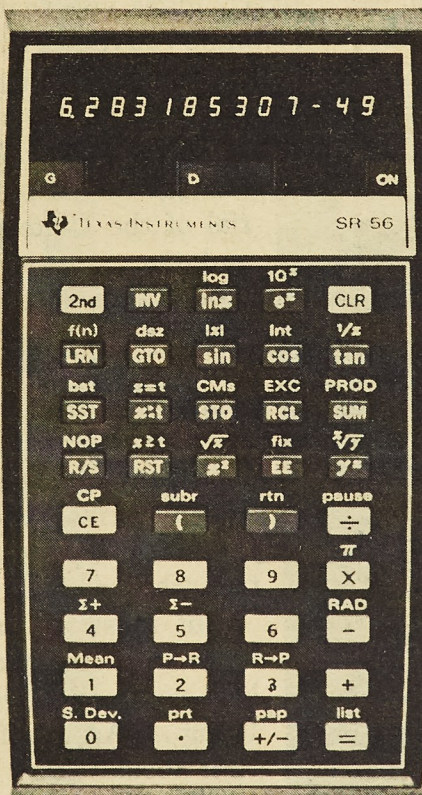
### ...with 10 memories and 100 program steps.

\$109<sup>95</sup>\*

The SR-56 is a tremendously powerful slide rule calculator. Yet you can program it whenever you're ready.

There are 74 preprogrammed functions and operations. You can do arithmetic within all 10 memories†. It has AOS — a unique algebraic operating system that lets you handle problems with up to 9 levels of parentheses. There's also polar to rectangular conversion — built in. Mean. Standard deviation. Degrees, radians, grads. And, it works with TI's new printer — the PC-100.

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gramming. That's what professionals in your field are doing — right now. And with an SR-56 you're ready. It has 100-merged prefix program steps. 6 logical decision functions. 4 levels of subroutines. You can decrement and skip on zero to iterate a loop as many times as you specify. There are 4 levels of subroutine to let you use your program steps to maximum advantage. And, you can even compare a test register with the display to make a conditional branch. So you can check an intermediate result for convergence, or a maximum.

The edge you need. Now. And in your career.



Texas Instruments will rebate \$10.00 of your original SR-56 purchase price when you return this coupon and your SR-56 customer information card postmarked no later than October 31, 1976. To apply:

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SR-56 \_\_\_\_\_ Serial No. (from back of calculator) \_\_\_\_\_  
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\*Suggested retail price.  
†11 with the T-register.  
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**TEXAS INSTRUMENTS**  
INCORPORATED





Dr. Sam Burton

Spotlight

## Director of Student Personnel

by Linda Ponzer

"Students really need to come in when they have a question. We stop the go-around," says Sam Burton, Director of Student Personnel. "Whenever a student comes in with a problem that we can't handle, we get on the phone and find out where the student needs to go. We won't send him around to several different offices."

Mr. Burton's duties include: supervising the non-academic area of student activities, supervising foreign student offices, working with the Health Office in the case of emotionally disturbed students and to notify parents in the case of an accident or death.

The biggest problem Mr. Burton encounters is with students who come in close-minded and unwilling to compromise. But the student who comes in open-minded and

willing to 'give and take' is going to leave the office really helped, says Mr. Burton.

During the twelve years Mr. Burton has held this job, there has been many unusual and sometimes humorous incidents involving students. One such incident involved a St. Pat's Board member and a "strip-tease" girl from St. Robert. Mr. Burton declined further comment on this incident due to the nature of his job.

One incident, which Mr. Burton did go into some detail occurred on a party weekend. It involved a young man who was slightly intoxicated. Mr. Burton was helping this young man out for some air when the young man asked Mr. Burton who he was. Mr. Burton identified himself to which the student replied, "Yes, and I'm the Chancellor." Several days later

this student came into the Student Personnel Office and upon seeing Mr. Burton exclaimed, "My God, you are Mr. Burton."

Reflecting on UMR, Mr. Burton had this to say, "UMR is a great place to work, overall the students are a fine bunch to work with. They are very direct and straight forward which makes working with them a pleasure."

## Tip of the Hat to Top Hat

by Rita Norfleet

The Top Hat Lounge, located on 7th and Rolla Streets, has become a home away from home for many miners. When not studying, many miners can be found there Monday through Saturday from 5:00 p.m. to 1:30 a.m. They can be seen relaxing with a beer, watching T.V., or playing some of the games like pool, pinball machines and foosball. Foosball tournaments are held throughout the year.

The bartender and manager, Dean Brown, along with his wife, Barbara, contribute much to making the miners feel at home. A relaxed, friendly couple, they enjoy talking to the college students who come in. Barbara and Dean are expecting a baby on the 24th of this month and will buy all miners a beer to celebrate his—her birth.

The Top Hat serves Michelob on tap, other varieties in bottles, sandwiches and chips. Prices are reasonable — 35 cents a glass. They have a membership of fifty in their Stein Club. For \$3.50 a miner is supplied with a mug and can then purchase beer at cheaper prices.

Many miners have left their mark on Rolla, so to speak, in the bathroom of the Top Hat. Names can be found on the walls which date back to 1956. The management of the Top Hat wants to preserve the signatures, so they haven't painted the bathroom walls in that length of time.

Action seems to be especially lively there on Thursday nights when there is a large crowd. Some Thursdays it is even too crowded to get into the room, but undaunted miners stand on the steps and drink their beers. Occasionally a band from a local fraternity comes in to supply live entertainment.

So, miners, if you haven't checked out the Top Hat yet, you might be in for a pleasant surprise. Stop in some time and see for yourself.

puzzle: Page 12

S	A	C	R	O	I	L	I	A	C	A	C	M	E
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## When you graduate from college don't go into management training. Go into management.

Many employers can start you out in management training after college. Army

ROTC gives you that training up front ... while you're still in college. Then challenges you with instant responsibility in your first job as an Army officer.

That responsibility is to lead. To manage the people, money and material of the United States Army. To make more important planning decisions than most young executives. And to carry those decisions out.

In addition to the management training, Army ROTC offers many other important benefits while you're in college. Like nearly \$2000 of financial aid during your junior and senior years. And opportunities for full-tuition scholarships.

But most important is the challenge that goes along with the gold bars you receive when you graduate. Being an Army officer means giving your absolute best. Then getting the people you supervise to give theirs.

It means working at one of the toughest, most rewarding jobs of your life. It also means getting management experience. While others are getting management training.



## ARMY ROTC.

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For details, contact: Major Harris Flanagin 341-4741

Army ROTC Department Building T-2 UMR Campus



# Scuba Comes To Its Own In Rolla

ROLLA, Mo., Sept. — A course in scuba diving, entitled "Certified Scuba Program," will be offered by the University of Missouri-Rolla Sept. 18 through Oct. 2, in UMR's Multi-Purpose Building.

All persons 15 years or older may enroll after demonstration of the following skills: 1) 100-yard free style swim, no time limit; 2) 20-yard underwater swim (breath-hold free style); tread water for three minutes,

and 4) float for three minutes. Instructions begins at 9:30 a.m. Saturday, Sept. 18. Class dates are Sept. 18, 19, 25, 26 and Oct. 2. Classes will consist of three hours of instruction in the pool and three hours in the classroom on each date, plus check-out dives in open water.

Equipment for the first two classes will be furnished. Students must furnish their own mask, snorkel and fins thereafter. In addition, students

must furnish wet suit, weight belt and bouyancy compensator for the open water dives (these may be rented for the weekend.)

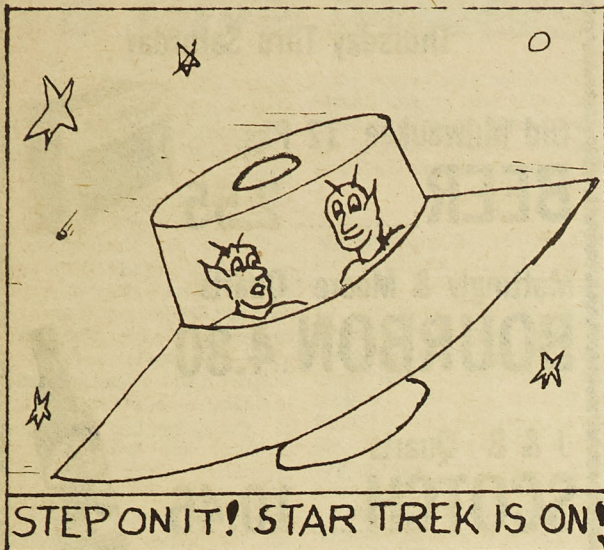
Those successfully completing all classes, the written examination and the check-out dives will be awarded the Basic SCUBA Certificate by the Professional Association of Diving Instructors.

The course is an extension activity of UMR's physical

education department. Instructor is "Robbie" Robertson of the Professional Diving Institute in St. Louis. He is a Master Diving Instructor.

Fee for the course is \$55 and includes the textbook. Registration is limited to the first 25 paid applicants.

For application or for further information, write or call: Bill Kratzer, Extension Division, University of Missouri-Rolla, Rolla, Mo., 65401 (phone: 341-4200).



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**SPECIALS THIS WEEK**

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**FALSTAFF**  
12 OZ. N.R. 1.25

**LITE**  
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**509 LIQUOR STORE**

116 W. 8th

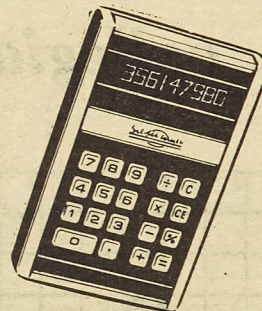
Rolla, Mo.

## WAL-MART

### Attn: College Students



We now have Hytone college ruled notebook paper by Mead available in packages of 100, 200, and 300 ct. package, 11"x8 1/2" size.



**Engineering Students-Look!**

What we have ordered for you at discount prices! We now carry the Texas Instrument line of calculators.

10 Millimeters to a Centimeter  
20 Squares per Inch  
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6 DAYS A WEEK!**



your  
**BANKAMERICARD**  
welcome here

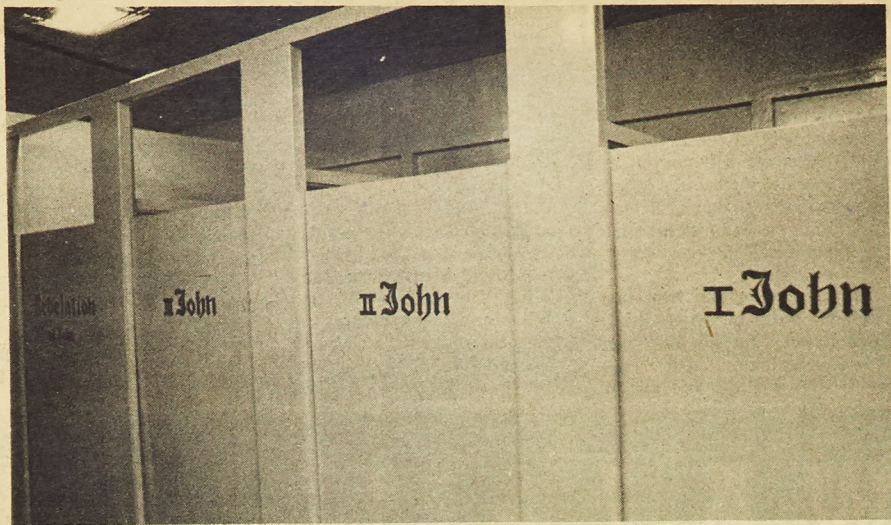
63 South (Across from Lion's Club Park)

**WAL-MART DISCOUNT CITY**

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Revelations come to us in strange ways. Sometimes in places least expected, such as upstairs in the Christian Campus house. (Photo by Staley)

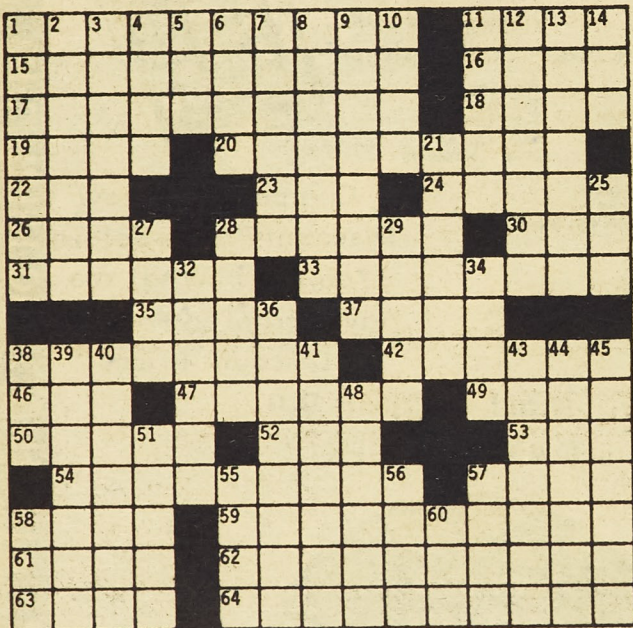
## CCH Renovates TEC

The old Tech Club has recently undergone some renovations since, its having been leased by Christian Campus House, (CCH); CCH which has been located at 13th and Pine has leased this additional building because of the much needed space. This new facility houses twenty-eight men plus a lounge, recreation area, study room and assembly area for CCH activities.

The best way to describe CCH is through the words of People who go there. Following are a few comments made about CCH by people who have been there: "I found a lot of friendly people who love to help each other at CCH." "CCH is a refreshing break from the rigors of school." "It's learning and helping others learn." "CCH is LOVE."

"CCH is friendships, people and good times, but it's the great people not the place that makes CCH a great fellowship." "CCH is a place where both Christians and non-Christians can come and find fellowship." "CCH is friends to help me break out of my shell... and gives answers to spiritual questions and outlets for my talents."

## collegiate crossword



© Edward Julius, 1976 Collegiate CW76-32

### ACROSS

- |                                   |                         |                            |
|-----------------------------------|-------------------------|----------------------------|
| 1 Lower back                      | 20 German city          | 33 One named after another |
| 11 Highest point                  | 22 — Scully             | 35 Rests                   |
| 15 Fear of Heights                | 23 Never: Ger.          | 37 Italian coin            |
| 16 Discomfort                     | 24 Type of soup         | 38 Hugh Hefner bunny       |
| 17 Circus performer (pl.)         | 26 Sweetsop             | 42 Hard worker             |
| 18 Mass. — of Tech.               | 28 Man's name           | 46 Poetic term             |
| 19 Part of wedding ceremony (pl.) | 30 John or Jane         | 47 Advertisements (slang)  |
|                                   | 31 Medicinal substances |                            |

### DOWN

- 49 Alaskan city  
50 Florida resort city  
52 Play on words  
53 Fuel  
54 1965 baseball MVP  
57 Famous ship  
58 — Japanese War  
59 Fiendish  
61 Oklahoman city  
62 Expect  
63 Moslem potentates  
64 Abstainer

- 1 Aids to digestion  
2 Sourness  
3 Crosby, e.g.  
4 Swoboda and Hunt  
5 Make a choice  
6 If — a hammer  
7 Arthur Miller family  
8 Spanish or Portuguese  
9 U. S. Military decoration  
10 Peggy —  
11 Relating to bees  
12 G. B. Shaw play

- 13 Recognized incorrectly  
14 Common suffix  
21 Bullfighter  
25 Born  
27 Eastern group of colleges (abbr.)  
28 "Such — for the course"  
29 Leaves out  
32 Argentine plains  
34 Spahn's teammate  
36 Part of an intersection  
38 Go to —  
39 Going away  
40 Region of Asia Minor  
41 Try to equal or surpass  
43 Sound  
44 Come forth  
45 Secondhand dealer  
48 12½ cents  
51 Urges  
55 Malay law  
56 Brazilian heron  
57 Palm drink  
58 Body of water  
60 Ignited

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## Hunicke Intercepts Third Quarter Pass To Give Miners Win Over Griffins

Last weekend the UMR gridders brought home their first victory of the season by defeating Missouri Western by a score of 7 to 6. The Rolla defense played an excellent game as they kept Missouri Western to one T.D. as well as scoring the Miners only TD. The Miner defensive squad seemed to have improved 100 per cent over their game the previous week even though they were pitted against a much tougher team. The offense was unable to move the ball sufficiently to score but was able to avoid committing costly turnovers. The Miner offense played a very conservative game which was probably the reason for the small number of turnovers. The hero of the game was defensive tackle Jim Hunicke who intercepted a pass and ran 19 yards for a TD.

The Miners win the flip which enables them to receive the kick off. Mo. Western kicks to UMR's 20 where Johnson returns it to the 29. In their first offensive series the Miners looked strong as they gained 20 yards in the first 3 plays. But after getting the first down they failed to repeat their performance and are forced to punt from the 48. Once the Griffins take possession of the ball the Rolla defense put up an impressive show of strength. The Miner defense holds the Griffins to 2 yards but Mo. Western gained 15 yards and a first down from a broken punt play. The Griffins march the ball to Rolla's 43 before they are finally stripped of the ball by an interception. Defensive tackle

Jean Kuelker of UMR intercepts the ball and runs 31 yards to give the Miners possession on the 19. The Rolla offense though was unable to take advantage of their opponents mistake and ended up attempting a field goal which was no good. The Griffins take possession of the ball on their own 20 but again the Miner defense proves too tough for them. This time the UMR defense holds them to 8 yards causing them to punt. The ball bounced out at Rolla's 39 and the UMR offense gets their third shot at the ball. This time the Miners are the victim or an interception and Mo. Western takes over. Dohl, of Mo. Western, makes the interception and runs the ball 43 yards to the Miner's 18. From there Rolla was penalized 9 yards moving the Griffins within 9 yards of a TD. Here the Rolla defense showed fantastic effort as they held the Griffins and sacked the quarterback for a loss of 12 yards. The Griffins attempted a 40-yard field goal but are again sacked by a mob of Miner defensive linemen. The first quarter ended with Rolla in possession of the ball on their own 43 and the score 0 to 0.

In the opening minutes of the second quarter the Miner offense was forced to punt from the 50. Mo. Western fumbled and Rolla got the ball back at

Mo. Western's 12. Wolfe of UMR recovered the fumble. Two plays later the Griffins made an interception off the Rolla offense. In the next series of plays the Griffins proved how tough they actually were offensively. They took the ball to Rolla's 6. With just inches to go for a first down the Miner defense got very tough and prevented the Griffins from gaining even 1 inch. The UMR offense took over deep in their own territory. After several unsuccessful attempts to move the ball the Miners were forced to punt. The rest of the second quarter the teams traded possession of the ball back and forth. Neither were ever able to obtain a first in ten therefore having to punt. The first half ends with the score 0 to 0.

Weaver of UMR kicked off the second half onto the Griffins' 1 yard line. In their first possession of the ball in the

second half Mo. Western got very tough. They moved the ball nearly 50 yards before attempting a field goal, which failed. Herman of UMR returned the field goal attempt 10 yards to give the Miner's the ball on their own 10. After a quick first then then O'Dear of UMR fumbled the ball and Mo. Western recovered. The Griffins duplicated the Miner's as they also receive a first and ten and then fumble. This gave the Miner's possession at their own 7. The Rolla offense got tough and was able to 2 first and tens and move the ball to the Rolla 37. This was done primarily two passes by O'Deere, one to Vessell for 9 yards, and one to Morse for 19.

At the 37 UMR is forced to punt with just 43 seconds left in third quarter. The Griffins are held by the defense and are forced to punt. When Mo. Western attempted to punt the Miner defense put a strong rush on which broke up the play. Dohl of the Griffins in an attempt to get rid of the ball tries to pass but it is intercepted by Jim Hunicke who returns it 10 yards for a TD.

Rosonauser of UMR completed the extra the point to put the Miners ahead 7-0. On the return kick off the Griffins returned the 95 yards for an apparent TD but which was called back for clipping. So the third quarter ended with the Griffins in possession of the ball on their own 9 and the Miners leading 7-0.

The first half of the fourth quarter the Miners and the Griffins traded possession of the ball 3 times neither team was able to move it more than a few yards. Finally Mr. Western takes possession of the ball on their 5 with 7:29 left in the game. By a series of 17 plays the Griffins are able to move the ball 95 yards to score a TD. Mo. Western failed to make the extra point attempt which gave UMR the lead 7-6 with just 1:16 left in the game. Rolla receives the kick but is forced to punt 4 plays later with 16 seconds left in the game. Mo. Western tried three times to complete a TD pass but was unable to do so and UMR wins 7-6.

Next week the Miners will play their first home game for the season against Wayne State of Nebraska, game time is at 1:30.

Total Yards	105	291
Passing	4-13	9-24

Interceptions By	2	2
Fumbles Lost	1	2
Penalties	6-55	6-53
Punting	8-275	5-193

The score by periods:		
UMR	0	0
MW	0	0

The scoring plays:  
UMR — Hunicke 17-yard interception return, Rosenauer Kick.

MW — Hoskins 2-yard run, two-point conversion fails.

The individual statistics:

Rushing — UMR: Ryan 18 for 45, Franklin 3 for 8, O'Dear 4 for -2, Townsell 11 for 25, Waechter 3 for -5; MW: Hopkins 32 for 119, Hoskins 10 for 37, Dohl 1 for 15, Johnson 12 for 20.

Passing — UMR: O'Dear 4-11-34-1, Graham 0-2-0-1; MW: Johnson 9-23-120-1, Dohl 0-1-0-1.

### The statistics:

	UMR	MW
First Downs	7	17
Yards Rushing	71	171
Yards Passing	34	120

Pass Receiving — UMR: Morse 1 for 19, Vessell 2 for 19, Ryan 1 for -4; MW: Henry 4 for 62, Randall 3 for 36, Johnson 1 for 13, Hoskins 1 for 9.

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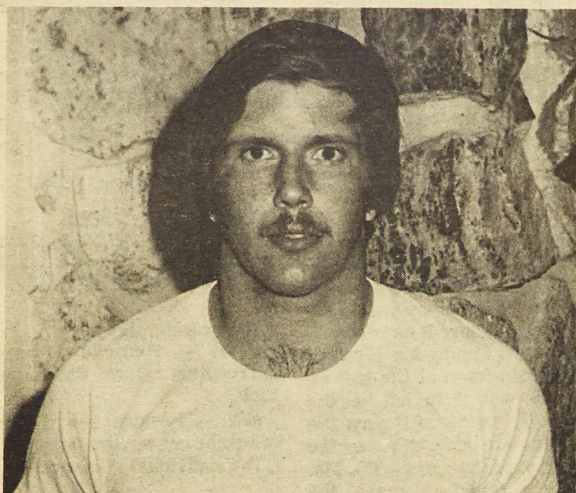
Dancing



# M-Club athlete of the week

This week's M-Club Athlete of the Week is Jim Hunicke, defensive tackle for the UMR football team. Jim made some key tackles and intercepted a pass for the touchdown that won the game for the Miners. Jim is a scholar-athlete from Pattonville High School in St. Louis. He is currently a Sophomore working towards a degree in Petroleum Engineering. Jim

didn't get to play too much last year due to an injury. This year he seems to be making up for it right from the start. Jim plays a smart, consistent game which puts him "in the right place at the right time." We wish Jim continued success throughout the season and look forward to seeing him in the Miner first home game this weekend.



Jim Hunicke

## football leagues

- |  |   |
|--|---|
| <p><b>I</b></p> <ol style="list-style-type: none"> <li>1. Sig Phi Ep</li> <li>2. Pi KA</li> <li>3. Beta Sig</li> <li>4. Acacia</li> <li>5. AE Pi</li> <li>6. Wesley</li> </ol>                     | <p><b>II</b></p> <ol style="list-style-type: none"> <li>1. TKE</li> <li>2. Phi Kappa Theta</li> <li>3. G.D.I.</li> <li>4. Mates</li> <li>5. Delta Sig</li> <li>6. Campus</li> <li>7. Focus</li> </ol> |
| <p><b>III</b></p> <ol style="list-style-type: none"> <li>1. Tech-Eng</li> <li>2. Kappa Sig</li> <li>3. K.A.</li> <li>4. A Phi A</li> <li>5. Sig Pi</li> <li>6. Triangle</li> <li>7. OBS</li> </ol> | <p><b>IV</b></p> <ol style="list-style-type: none"> <li>1. Sig Nu</li> <li>2. Delta Tau</li> <li>3. MRHA</li> <li>4. Lambda Chi</li> <li>5. Sig Tau</li> <li>6. Theta Xi</li> <li>7. T.J.</li> </ol>  |



A Delta Tau Delta runner evades a defender from Theta Xi in opening week action in intramural football. Delta Tau won the game 34-21. (photo by Staley)

# Polo Club Defeats Meramec Community College

The UMR Water Polo Club started their season this past weekend in a practice game against Meremac Community College. It wasn't much of a game simply because Meremac only had five players, so the

Miners supplied Meremac with one player and a goalie. The so called game was played at Meremac but with only one referee when two are normally used.

The Miners played relatively

well considering the level of the Meremac players and the "excitement" of the game. No official score was kept but the Miner players scored all but one goal in the entire game. Playing for the white team (Meremac), from UMR were Randy Lubbert, Dick Ericson, Jon Tice all getting one goal apiece. Also appearing for the white team Ron Claus, Reed Curtis, and John Dolan.

Scoring for the green team were Mike Norberg, Arnold Fredrick 4, Lenny Wolff 3, Paul Vetter 2, Ron Claus 2, John Smith 1, Larry Molina 1, and Matt Heincke 1. There was probably more scoring but Mrs. Wolff was working the clock and keeping score.

The two goalies (both from UMR) who did a good job were Paul Conant (deep water) and Frank Mayfield (shallow water).

This year the various water polo clubs in the area have formed a conference with regularly scheduled games and an organized conference championship tournament. An All-Conference team will also be named. The conference has been named the Mississippi Valley Conference and consisted of SIU-Carbondale, Washington University, Central Missouri State, Southeast Missouri State, Principia College, and UMR.

The Miners appear to have a good chance of winning the championship in this inaugural year for the conference. From previous year's experience SIU-C and SMS will be the Miners' toughest competition. Next week will provide the UMR squad a chance to prove its dominance when the Miners travel to Principia for two games, one with Prin and the other with SMS.

## Polo Schedule

Sep. 18	SMS, Prin	at Prin
24	SIU-C, Indiana, Prin	at Prin
Oct. 1-3	Conf. Tournament	at SMS
16	Prin	at Rolla
30	CMS	at CMS
Nov. 6	Conf. Championship	at CMS

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## TJ Wins Golf

Another year of Intramural sports was kicked off this last week with the beginning of Flag Football and with the Golf competition.

In League I Sig Ep started their quest for a second consecutive football crown with a decisive victory over Pi K Phi. The final score was 42-0. Also in League I Pi K A beat Wesley by the lopsided score of 56-0.

Two shutouts were registered in League II as TKE and Phi Kap both won their first games. It was TKE over Focus by the score of 25-0 as TKE's defensive team never allowed Focus past midfield. Phi Kap blanked Campus by the score of 37-0.

In League II Tech-Eng, last years overall Intramurals Champions started the season off with a 28-8 victory over O. B. S. In another League III game Kappa Sig was triumphant over Triangle.

Sig Nu beat T. J. 42-0, as T. J. was unable to stop Sig Nu's offense. In the closest game of the week Delta Tau conquered Theta Xi 34-21 to round out League IV action.

The first intramural final was held this weekend on the golf course. The order of finish was T. J. first, Tech-Eng second, and Pi K A third. The winning team consisted of Greer, Choate, Rader, and Vibryck. So as of now these teams are the leaders in the overall intramural competition.

Intramural Tennis competition begins Monday, September 20. Last year's champions was TKE.

## Women's Golf Results

Keep your head down and follow through, don't try to kill the ball, beautiful shot, well...that's the way the ball bounces! (and bounces) If you were near the UMR golf course Saturday or Sunday (September 11 or 12), you might have heard these comments and other varying exclamations pouring forth from the mouths of UMR golf enthusiasts. Six organizations had women teams entered in the intramural scramble golf tournament. Scramble golf rules are such that each team member hits the golf ball (or at least attempts to make contact with the little white ball) and the best shot is taken. From where this ball lands, the two team members play their next shot. Play continues in this manner until the final putt is sunk.

The triumphant team of Acklemire and Wilson, representing crescents, shot an extraordinary round of 82 for 18 holes. Kappa Delta's team, Bene and Ferner, scored a 91 to take second place. The remainder of the teams' results are: 3rd — TJ, 4th — Wesley, 5th — AWS, 6th — ZTA. All participants enjoyed the year's first intramural event and are awaiting the opening of the intramural tennis season on Monday, September 20. Anyone interested in playing tennis contact their intramural manager immediately!

# Support The Miners This Weekend

## The Harmon Football Forecast

1—OHIO STATE  
2—OKLAHOMA  
3—MISSOURI  
4—PITTSBURGH  
5—U.C.L.A.

6—MICHIGAN  
7—TEXAS A & M  
8—TEXAS TECH  
9—GEORGIA  
10—NEBRASKA

11—ALABAMA  
12—ARKANSAS  
13—PENN STATE  
14—OKLAHOMA STATE  
15—L.S.U.

16—TEXAS  
17—KANSAS  
18—ARIZONA  
19—MARYLAND  
20—BOSTON COLLEGE

### Saturday, Sept. 18—Major Colleges

Alabama	29	S.M.U.	14
Appalachian State	28	V.M.I.	7
Arkansas State	38	Indiana State	10
Arkansas	24	Oklahoma State	23
Army	20	Holy Cross	13
Auburn	17	Baylor	14
Ball State	23	Miami (Ohio)	13
Bowling Green	35	Eastern Michigan	6
Central Michigan	20	Toledo	14
Cincinnati	21	SW Louisiana	16
Colgate	36	Davidson	0
Colorado State	21	Brigham Young	20
Colorado	23	Washington	21
Dartmouth	23	Pennsylvania	14
Dayton	17	Villanova	10
Delaware	25	The Citadel	10
Drake	21	Southern Illinois	17
East Carolina	24	North Carolina State	6
Florida	24	Houston	17
Furman	38	Presbyterian	7
Georgia	41	Clemson	7
Harvard	28	Columbia	6
Idaho	27	Pacific	15
Iowa State	27	Air Force	20
Iowa	21	Syracuse	19
Kansas	21	Kentucky	14
L.S.U.	31	Oregon State	7
Louisiana Tech	26	McNeese	24
Marshall	23	Illinois State	10
Maryland	22	West Virginia	13
Memphis State	22	Tulsa	20
Miami, Fla.	23	Florida State	17
Michigan State	27	Wyoming	14
Michigan	24	Stanford	14
Minnesota	30	Washington State	15
Mississippi State	40	Louisville	7
Mississippi	28	Tulane	10
Missouri	31	Illinois	16
Navy	33	Connecticut	7
Nebraska	36	Indiana	7
New Mexico State	28	Arlington	20
New Mexico	24	U.T.E.P.	10
North Carolina	24	Northwestern	9
NE Louisiana	22	Lamar	16
NW Louisiana	20	S F Austin	15
Notre Dame	23	Purdue	17
Ohio State	28	Penn State	13
Ohio U.	20	Kent State	17
Oklahoma	23	California	7
Pittsburgh	29	Georgia Tech	13
Princeton	27	Cornell	12
Rice	26	Utah	7
Rutgers	39	Bucknell	6
San Diego State	42	Fresno State	6
San Jose State	48	Fullerton	0
South Carolina	24	Duke	22
Southern California	23	Oregon	8
Temple	27	Grambling	8
Tennessee	22	T.C.U.	7
Texas A & I	28	Hawaii	14
Texas A & M	27	Kansas State	10
Texas	38	North Texas	8
U.C.L.A.	27	Arizona	13
Utah State	25	Long Beach	20
Vanderbilt	27	Wake Forest	19
V.P.I.	30	Southern Mississippi	13
Virginia	22	William & Mary	21
West Texas	22	Wichita	17
Western Michigan	25	Northern Illinois	14
Wisconsin	34	North Dakota	10
Yale	20	Brown	19

### Other Games—South and Southwest

Austin	20	Southwestern, Tenn.	14
Bridgewater	15	St. Paul's	14
Catawba	20	Carson-Newman	17
Central Arkansas	20	Central Missouri	13
Concord	17	West Va. State	14
Delta State	26	SE Missouri	14
East Texas	24	East Central Okla.	17
Eastern Kentucky	27	Wittenberg	14
Emory & Henry	24	Washington & Lee	8
Fairmont	20	West Va. Wesleyan	7
Gardner-Webb	21	Newberry	16
Georgetown, Ky.	27	Heidelberg	13
Guilford	27	Maryville	0
Hampden-Sydney	17	Sewanee	6
Henderson	25	Central Oklahoma	20
Jacksonville	23	Nicholls	20
Lenoir-Rhyne	26	Wofford	21
Livingston	21	North Alabama	20
Mars Hill	20	Austin Peay	10
Martin	22	Middle Tennessee	14
Mississippi College	30	Monticello	12
Mississippi Valley	27	Pine Bluff	7

Murray	22	Western Carolina	20
Norfolk	21	Fayetteville	7
No. Carolina Central	28	Winston-Salem	0
Quachita	27	Bishop	12
Randolph-Macon	14	Shepherd	13
Southern U.	24	Texas Southern	23
Tarleton	22	Trinity	19
Texas Lutheran	21	Howard Payne	10
Towson	21	Madison	14
Troy	38	Alabama State	7
West Va. Tech	24	Glenville	20
Western Kentucky	21	Chattanooga	17

### Other Games—East

Alfred	38	Brockport	7
American Int'l	24	So. Connecticut	15
C W Post	21	Hofstra	6
Central Connecticut	22	Springfield	21
Clarion	23	Delaware State	13
East Stroudsburg	25	Montclair	10
Edinboro	20	Cortland	16
Franklin & Marshall	20	Gettysburg	15
Grove City	28	Delaware Valley	6
Indiana	20	Wilkes	10
Ithaca	24	Albany State	13
Lafayette	21	King's Point	20
Lehigh	27	Baldwin-Wallace	21
Massachusetts	32	Maine	6
Millersville	23	Slippery Rock	14
New Hampshire	21	Boston U	7
Norwich	25	Worcester Tech	7
Rhode Island	24	Northeastern	17
St. Lawrence	40	Bates	6
Salisbury	20	Glassboro	19
Trenton	35	William Paterson	13
Wash'ton & Jeff'son	22	Thiel	17

### Other Games—Midwest

Akron	24	Morehead	16
Alma	16	Ohio Northern	13
Augustana, Ill.	27	Carthage	6
Butler	21	Hillsdale	20
Centre	21	Oberlin	12
Defiance	19	Findlay	17
Denison	21	Valparaiso	9
DePauw	23	Ohio Wesleyan	19
Duluth	23	St. Cloud	21
Evansville	26	Franklin	7
Friends	18	Kansas Wesleyan	14
Grinnell	23	Iowa Wesleyan	13
Gustavus	29	Washington, Mo.	7
Harding	22	NW Oklahoma	20
Hope	20	Wabash	17
Missouri Southern	24	Central Methodist	14
Missouri Valley	31	Concordia, Neb.	6
Muskingum	23	Marietta	6
Nebraska Wesleyan	14	Baker	7
North Central	20	Millikin	16
Northern Iowa	21	Omaha	14
Northern Michigan	38	St. Norbert	0
NW Missouri	42	William Jewell	6
St. John's	37	Hamline	6
Southern State	24	SE Oklahoma	13
SW Missouri	24	Pittsburg	15
SW Texas	23	Cameron	20
Stevens Point	17	Whitewater	13
Taylor	22	Anderson	13
Tennessee Tech	24	Youngstown	10
Washburn	23	Missouri Western	10
Wayne, Mich.	20	Northwood	14
Wayne, Neb.	17	Rolla	14
Western Illinois	23	Weber	16
Wheaton	25	North Park	7
William Penn	26	Monmouth	13

### Other Games—Far West

Cal Lutheran	20	Northridge	6
Cal Poly (S.L.O.)	35	Idaho State	12
Central Washington	20	Chico	14
Colorado College	28	Mesa	12
Davis	21	Cal Poly (P)	13
Eastern New Mexico	26	Sul Ross	13
Eastern Washington	30	Whitman	13
Idaho College	14	Eastern Oregon	10
Linfield	24	Southern Oregon	12
**Nevada (Las Vegas)	38	South Dakota	12
Nevada (Reno)	26	Willamette	7
Northern Colorado	24	Colorado Western	19
Portland State	34	Simon Fraser	8
Puget Sound	22	Pacific Lutheran	20
San Francisco State	34	Oregon Tech	6
Santa Clara	29	Sacramento	13
Southern Colorado	20	Colorado Mines	15
Western Washington	20	Lewis & Clark	7
Whittier	20	St. Mary's	17
Whitworth	28	Montana Tech	6

\*\*Friday night



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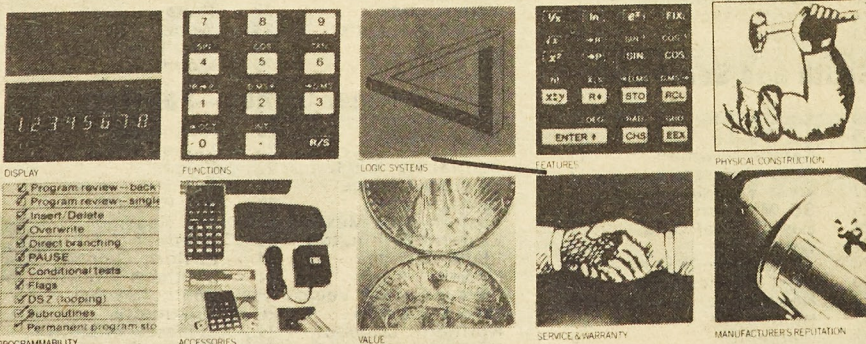
- ♦ Continuous memory capability.
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- ♦ Eight addressable memories.
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- ♦ 10 addressable memories—20 memories in all.
- ♦ 6 selective clearing options give you flexible use of memories.
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### What to look for before you buy an advanced calculator.



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