



08 Nov 1963

The Missouri Miner, November 08, 1963

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Forecast

- 16- NORTHWESTERN
17- GEORGIA TECH
18- MEMPHIS STATE
19- MISSOURI
20- PITTSBURGH

- small colleges)
Central Conn. 12
Tulsa 12
Kutztown 12
Trinity, Conn. 12
Penn. Hampshire 12
Penn. Military 12
Cortland 12
Brockport 12
Grove City 12
Lafayette 12
Western Conn. 12
Bridgeport 12
Vermont 12
King's Point 12
Rochester 12
Lock Haven 12
Alfred 12
Bucknell 12
Franklin & Marshall 12
Hobart 12

- (small colleges)
Youngstown 12
Alma 12
Macalester 12
Evansville 12
Manchester 12
Dubuque 12
Valparaiso 12
Carroll 12
Warburg 12
Eastern Michigan 12
Midland 12
Hawthorne 12
SW Oklahoma 12
Northwood 12
Chadron 12
Eastern Illinois 12
Anderson 12
Duke 12
Hanover 12
Adrian 12
NW Oklahoma 12
Milwaukee 12
Tartu 12
Dana 12
Panhandle A & M 12
St. Norbert 12
Ferris 12
Washburn 12
Simpson 12
Emporia State 12
St. Thomas 12
Central Missouri 12
Missouri Mines 12
Bethel, Kansas 12
Delaware 12
Peru 12

- (small colleges)
Randolph-Macon 12
Jacksonville 12
Florence 12
Austin 12
Morehead 12
Sul Ross 12
Western Carolina 12
Concord 12
Mississippi College 12
Howard Payne 12
Tennessee Tech 12
Mississippi 12
Austin Peay 12
Arkansas State 12
Gulfport 12
Johns Hopkins 12
West Virginia State 12
Bridgewater 12
SW Louisiana 12
Sam Houston 12
Troy State 12
E. F. Austin 12
West Virginia Tech 12
Eastern Kentucky 12
Lyonning 12
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Until Midnight

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R - WINE
BEER
Street
BAR
DRAFT
BURGERS

Public Invited to Attend ROTC Award Ceremony

The public is invited to attend the annual ROTC fall Awards Ceremonies at Missouri School of Mines and Metallurgy on Friday, November 15th. The ceremonies will be held on the drill field which is immediately north of Jackling Field.

Awards will be presented at battalion review ceremonies scheduled hourly, on the half-hour, during the day, from 7:30 A. M. through 3:30 P. M.

Highlight of the day will be the presentation at the 10:30 A. M. period of the Legion of Valor Bronze Cross for Achievement to Cadet Captain Charles G. Lyons. This award is made each year by the Legion of Valor of the United States of America, Inc., to one outstanding ROTC Senior Division cadet in each United States Army Corps area. MSM is in the XI U. S. Army Corps area which includes all the colleges and uni-

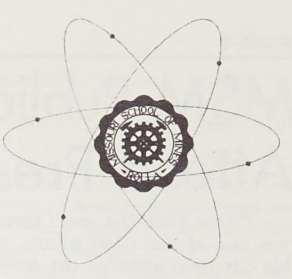
The Missouri MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 50

FRIDAY, NOVEMBER 8, 1963

NUMBER 8



New Folk Group Plays MSM In Nov. 11th General Lecture

If you happened to be in Washington, D. C. during the week of April 15 to 21, 1963, you were in for a treat; that is, if you got

names alongside the greats in the folk singing field. Names like Leadbelly, Burl Ives, Odetta, Pete Seeger and Joan Baez head

college tour in the fall.

The group consists of three fellows — Earl Zimmerman, Al Alcables and Jeff Hyman — and a very attractive young lady, Martha Velez, all college students. It was as students that they all met and formed the group as it exists today.



The "Gaslight" Singers to be featured Monday, Nov. 11th, at the Student Union.

Pajama Race Highlights Festivities

The Homecoming festivities started Friday night at 9:00 p. m. with a Pep Rally at the intramural field. The program for the rally was highlighted by a speech given by noted campus speakers and a very good concert band.

Later in the evening a small but hardy group of Miners and their dates gathered at the corner of Eighth and State streets. The event was the street dance sponsored by the IFC. The center of attraction was the band, The Beachcombers, with Sandy Braun providing the vocal accompaniment. Although freezing temperatures held down the size of the crowd, the bonfire plus refreshments warmed up spirits and made for a successful dance.

The Pledge Pajama Race has been held for three years and for three years Kappa Sigma's pledges have won the trophy, thus retiring it. However, this year they were to be defeated by the pledges of Kappa Alpha in one of the closest and most exciting races in the pajama race's short history. Although Kappa Alpha led all the way, the first three teams, Kappa Alpha, Kappa Sigma, and Lambda Chi Alpha were never more than five yards apart at any time.

Dean Accepts Class Gift, Greets Returning Alums

Pleasant weather greeted returning Alumni at the Missouri School of Mines and Metallurgy's Homecoming events on November 1st and 2nd. Friday featured class meetings and dinners and Saturday's activities included an address to Alumni by Dr. Merl Baker, Dean of the School, the football game between the Miners and Southwest State and the Homecoming dance in the evening.

This year's Homecoming was the largest in the history of the School. The stadium was packed beyond capacity and Saturday night's Homecoming Banquet had the largest number of alumni in attendance in the history of that particular event. A feature of the weekend was the presentation and dedication of a new electronic organ given to MSM by the Class of 1943 and the Student Union Board. The organ, which will be kept in the Ballroom of the Student Union, will be used for official school events and ceremonies including Baccalaureate and Commencement.

Speaking to alumni about the future of the School, Dr. Baker placed emphasis on several ideas, under the title, "Our Opportunities for the Future." Dr. Baker pointed out that an institution must continue to grow if it maintains its position of excellence and that several factors will, if properly managed, have bearing on the

future image of the School.

The first of these, he pointed out, is enrollment, and an anticipated growth to nearly 7000 in the next six years (from the present 3700) should mean an outstanding representation of the School through outstanding graduates. In this light he called for growth in quality and efficiency of training to continue to attract outstanding students, with outstanding faculty a necessary facet of this action.

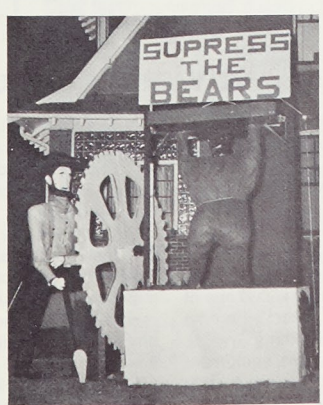
Secondly, he pointed out that graduate work is necessary for the survival of an institution, and that a strengthening of the graduate program from 10% to 30% of the enrollment total should be obtained while continuing stress in the undergraduate program. He called for professionalism in engineering at the undergraduate level.

His third point reflected the

(Continued on Page 8)

Beta Sig Bear-Squasher Nabs Decorations Prize

"Suppress the Bears" was the theme of Beta Sigma Psi fraternity's first place display in the annual Homecoming decorations contest, held last weekend and



Winning Display.

sponsored by the MSM Interfraternity Council. A giant hydraulic press continually squashed the SMS bear as a ten-foot Miner, made out of wood and chicken wire, worked the lever and big

over to Washington's top folk room, The Shadows. If you enjoy an evening of singing and music, you had a marvelous evening. If you are a folk-singing enthusiast, you witnessed an event which you will always carry with you, the sensational premiere of a new folk group — The Gaslight Singers.

In recent years, with the rise in popularity of the folk medium, a great number of folk singers and folk groups have emerged, some to be heard and then fade away, others to eternally inscribe their

iron wheel which put the apparatus into operation. The theme, however, was ill-fated, as the Southwest Missouri State Bears defeated the Missouri Miners in the Saturday afternoon game.

Sharing second place awards were the Kappa Sigma and Pi Kappa Alpha fraternities. In the Kappa Sigma display, a paper mache Miner in front of his cabin directs the SMS bear to a graveyard with the words, "You're next!" A portion of the lawn in front of the Pi Kappa Alpha house served as a football field with the caption, "Miners Engineer Another Victory." A figure of "Joe Miner" is shown doing calculations on a slide rule, while another Miner with a pick strikes a bear in the calculated spot.

Lambda Chi Alpha took third place honors with a huge replica of a mixmaster. This "gadget" was 20 feet high with a bowl 15 feet in diameter. On the outside of the bowl were the words, "Whip the Bears," while on the inside, three bears spun around in bewilderment.

the long list. New groups like the Kingston Trio, the Limelights, the Chad Mitchell Trio, Miriam Makeba, and Peter, Paul and Mary have joined their ranks, and possibly The Gaslight Singers can be added to the list.

In reality, the Shadows was not the first engagement of the Gaslight Singers — it was, however, their first major night club appearance. They have previously appeared on weekends at a New York Village nitery — The Phase Two, and at the Carnegie Recital Hall, where they performed to a SRO audience consisting of fans acquired during the Phase Two engagement.

Fast becoming one of the most sought after folksinging groups in the nation, the Gaslight Singers expect to make a summer tour of the country to be followed by a

MSM Will Again Host The Annual Asphalt Conf.

Professor E. W. Carlton, Chairman of the Department of Civil Engineering of the Missouri School of Mines and Metallurgy, has announced that the School will again host the annual Asphalt Conference on November 7th and 8th. The two day clinic is sponsored by the Department, the Missouri Bituminous Contractors Association and the Asphalt Institute and features reports and presentations on the latest developments in the manufacture and use of asphalt. The Conference is attended by engineers and educators whose interests concern the manufacture and use of asphalt, and who represent education, public agencies and industry. Attendance at the Conference includes representatives of a wide area of

the nation. Twelve presentations or speeches are slated to take

(Continued on Page 7)

OFFICIAL

Annual Free Day

Monday, December

16, 1963

Bill Crede Named Blue Key Man-of-the-Month

Blue Key's selection for October Man-of-the-Month is Bill Crede, a senior majoring in mechanical engineering. Bill came to MSM from Westphalia, Missouri, where he attended Fatima High School and since arriving here has distinguished himself both in the classroom and campus activities. He has obtained one of the top positions on campus by being selected as the Editor-in-Chief of this year's Rollamo. Positions as

(Continued on Page 7)

MSM Publications Men Attend Press Convention

"New York is a zoo," commented a bewildered Texan editor. He was one of the 1,100 editors, many of whom had never been to the big city, who attended the Associated Collegiate Press (ACP) convention in New York City.

Thursday, Oct. 17, a national representation of college editors assembled in the Terrace Room of the Hotel New Yorker to hear Dean Edward W. Barrett, dean of the graduate school of journalism, Columbia University, convoke the annual convention.

Dean Barrett's address concerned the state of American communication. "The coverage of the 1960 presidential election is evidence of the great strides journalism has taken through the years." Barrett went on to say that today "there is less willful news distortion than ever before."

The Columbia Dean, who was formerly editorial director of *Newsweek* and Assistant Secretary of State for Public Affairs under President Truman, criticized smaller American newspapers for avoiding discussion of local corruption. He pointed to the frequency of adopting a "me too" policy and mirroring the larger papers with respect to world politics. Barrett concluded his remarks by declaring the U. S. to be the best informed nation in the world.

Notables

For two days editors representing campus publications throughout the country attended lectures, displays and panel discussions. Such journalism notables as Prof. Melvin Mencher, Columbia University School of Journalism; Prof. Arthur M. Sanderson, State University of Iowa School of Journalism; David Thomas, editor, *Ladies' Home Journal*; Ralph Graves, assistant managing editor of *Life*; Charles F. Kiley, assistant to the editor of the New York *Herald Tribune*; James Roach, sports editor, *New York Times*; and Dr. Arthur Musgrave, professor of journalism and English, University of Massachusetts, addressed the students.

Topics ranged from the academics of writing, to the technicalities of layout, to the practicalities of advertising, and to the philosophies of freedom of the college press.

Awards Luncheon

The high point of the convention was the awards luncheon which started at 12:15 p.m. on Saturday in the grand ballroom. Stanford Smith, general manager of the American Newspaper Publishers Association, presented the plaques to the five college newspapers picked as outstanding publications.

This year's conference set an attendance record of 1142 delegates and advisers representing 437 publications at 294 colleges.

MSM's Reps

Participating in the conference were Dave Blume, MINER editor; Bill Crede, editor of the ROLLAMO; David John, MINER managing editor; Alan Kamp,

business manager of the ROLLAMO as the representative of the business staff of that publication; Greg Junge, MINER layout editor; Gary Koch, associate editor of the ROLLAMO; and Bill Norfleet, ROLLAMO classes editor. Prof. Karl Moulder, faculty advisor of both publications, also attended.

In addition to attending sectional meetings in their respective areas of interest, the MSM delegates took part in discussions of editorial content and leadership freedom of the student press, depth reporting, and excessive time demands.

Among what was considered the most valuable aspects of the convention experience was the opportunity to meet with other students and share ideas. Most editors had copies of the publication with them at all times and were easily imposed upon to bring them forth.

The ACP, which has its home base in the School of Journalism, University of Minnesota, plans to hold next year's convention in Chicago.

The Reviewer's Stand

"Days of Wine and Roses"

If alcoholism is an illness, as is contended by many with good reason, then "The Days of Wine and Roses" is a treatise on that illness, although one which is intensely dramatic, heavy with the weight of its frightening theme and, at the same time, performed with unusual skill and force.

Warner Brothers brings to the screen the triangle of man, woman and drink which is based on the dynamic story by J. P. Miller. It stars Jack Lemmon, Lee Remick and Charles Bickford and it is directed by Blake Edwards with a touch of genius. He has enabled both Lemmon and Miss Remick to make their bid for Oscar performances, as well as paving the road for his own bid.

Oscar winning team—Henry Mancini and Johnny Mercer—have come up with an equally catching tune and theme that adds well to the overall impact of this powerful drama.

In a San Francisco bar, public relations man Joe Clay (Jack Lemmon) is seen making telephone calls for a list of "girls" to attend a party aboard a yacht

Letter to the Editor

Editor:

In reply to Mr. Eric Puronen's letter that appeared in the Oct. 25th issue of the "Miner," I would like to explain certain facts and ask Mr. Puronen some questions.

Is Mr. Puronen aware of the treatment we foreign students encounter? Upon what does he contribute the action of some American students throwing eggs and cigarette butts from a car when a foreign student is quietly going his way? Again, why does an American student use abusive language for no rhyme or reason?

I fully agree with Mr. Puronen that all foreign students should speak in English, on and off the campus and amongst ourselves. However, I would suggest that Mr. Puronen be more considerate; that he pause and think. Most of the foreign students have had little or no contact with English at home. They have had their education in their own language and they are taught to think in their own language, so much so that their language is a part of them. You cannot reform a person by ignoring him, but by coming in contact with him and convincing him. I wonder if Mr. Puronen would speak to his American friends in English if he were in a part of the world where English was not the domestic language. I suggest that he step into our shoes before he adapts the attitude, "of indifference verging on hostility."

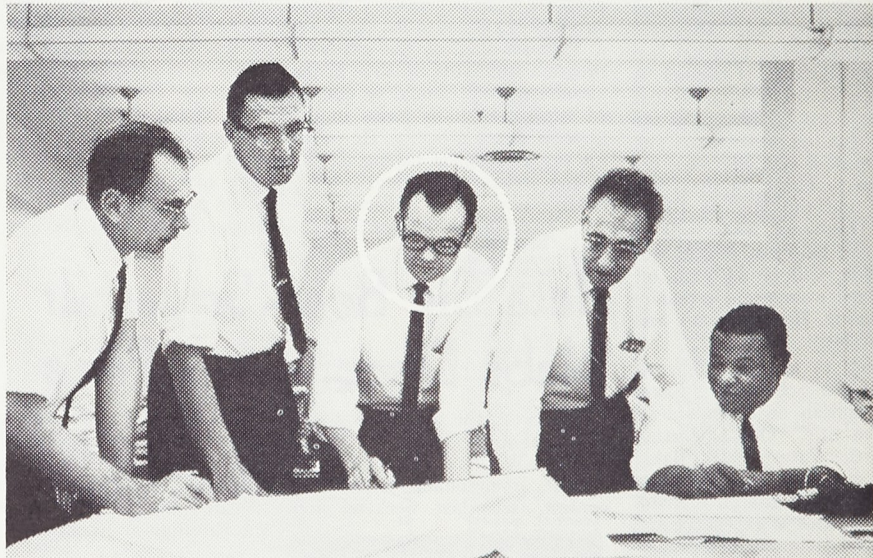
Bomi Hathikhanavala

of a client. Joe mistakes Kirsten Arnesen (Lee Remick) for one of the party girls—she is actually a secretary. Joe finally persuades her to accept a dinner date, fol-

lowing up with frequent dates and culminating in marriage. They visit her father, Charles Bickford, and after learning of their marriage, he is shocked and disap-



John LaCost wanted a part in scientific progress



He has it at Western Electric

John LaCost received his B.S.E.E. from the University of Illinois in 1962. One of the factors which influenced him to join Western Electric was the quick manner in which new engineers become operational.

During the short time John has been with us, he has worked in several areas which are vital to the nation's communications complex. And with his future development in mind, John attended one of our Graduate Engineer Training Centers where he studied the front-line Electronic Switching System. He is currently working as a systems equipment engineer on such projects as cross bar switching and line link pulsing.

John's future at Western Electric looks promising indeed. He knows he will be working with revolutionary and advanced engineering concepts like electronic switching, thin film circuitry, computer-

controlled production lines and microwave systems. He is also aware of the continued opportunity for advanced study through the Company-paid Tuition Refund Plan, as well as through Company training centers.

How do you see your future? If you have high personal standards and the qualifications we are looking for, we should talk. Opportunities for fast-moving careers exist now, not only for electrical, mechanical and industrial engineers, but also for physical science, liberal arts and business majors. For more detailed information, get your copy of the Western Electric Career Opportunities booklet from your Placement Officer. Or write: Western Electric Company, Room 6405, 222 Broadway, New York 38, N. Y. And be sure to arrange for a personal interview when the Bell System recruiting team visits your campus.

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MINER
The Missouri School of Mines and Metallurgy



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

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pointed. They leave hurriedly with Kirsten noting "I need a good stiff drink" (up to now she has not drunk). The passage of time finds them both drinking excessively and Joe losing one job

(Continued on Page 4)

Monticello Girls Make MRHA Mixer a Success

The MRHA started the year off with a bang when they had their first mixer of the semester with Monticello College.

Two bus loads of girls arrived late Saturday afternoon the 28th of September and were immediately met by their escorts. These well dressed Miners helped their dates with their baggage into Altman Hall which was evacuated for the use of the girls.

Not too long ago, the dorms made another big first. The first MRHA supervisor, Mr. James C. Lambert was installed in the American Legion as its new commander. The qualification for being a legionnaire is to be a veteran of the armed forces. Mr. Lambert is now retired from the U. S. Army after twenty years of outstanding service. He holds the silver star, bronze star, purple



Miners meet the girls!

After two hours of campus touring or just talking in one of the lounges of the dormitories, the evening began with a roast beef dinner in Rayl Hall.

When the girls and their escorts entered Rayl Hall, which was beautifully decorated by the mixer committee, they were greeted with soft candlelight and the music of the aristocrats. The girls from Monticello provided a very enjoyable weekend for the MRHAers and gave them a most welcomed break from studies.

heart, British military medal, and other decorations gained in World War II and Korean War Infantry action.

This is Mr. Lambert's second year as Residence Halls Supervisor. He and his family live in a specially built apartment in Kelly Hall.

Don Bugg, president of the Men's Residence Halls Association, presented Mr. Lambert with a beautifully engraved gavel in behalf of all the members of the MRHA.

NEWS of the Week

Viet-Nam: The government of President Ngo Dinh Diem and his brother Ngo Dinh Nhu was toppled by military leaders and Buddhist revolutionaries. The brothers are said to have taken their own lives as they were about to be captured. The revolt is a result of the oppressive policies of the Diem regime towards the Buddhist population. The U. S. has been drifting away from Diem in recent months due to this persecution, and the revolt is said to have been encouraged by unofficial U. S. support. Buddhist ex-Vice-President Nguyen Ngoc Tho has been named premier of the new government which expects recognition within a week.

Algeria-Morocco: The confused border war between these two North African neighbors seemed to be nearly over as the result of a cease-fire agreement; however, the document was no sooner signed and approved when Algerian President Ben Bella and King Hassan II of Morocco began to disagree as to what they had agreed upon. The Algerians have received considerable Soviet military aid, and it would seem that both countries have more to gain in terms of foreign support than the value of the portion of barren desert under dispute.

Soviet Spies: The FBI arrested two men and demanded the removal of three Russian U. N. delegates in connection with spy activities. John Butenko, an administrator of International Electric Co., a company which manufactures a good deal of the electronic control systems for the Strategic Air Command, and Igor Ivanov, a chauffeur for Amtorg, an American-Russian trade relations organization,

have been held for trial; and the three Soviet delegates were released on diplomatic immunity after being caught transferring classified information.

NATO: President Kennedy and Secretary of State Dean Rusk in separate statements discounted a series of rumors concerning a partial withdrawal of U. S. troops from West Germany. Rusk and West German

Chancellor Ludwig Erhard issued a joint appeal for increased NATO strength in ceremonies in Frankfurt.

House of Representatives: The Kennedy Administration won an important battle in its fight for a civil rights bill in the House as it killed a civil rights bill in the Judiciary Committee. The proposed bill would have given

(Continued on Page 5)



I WAS A TEEN-AGE SLIDE RULE

In a recent learned journal (Playboy) the distinguished board chairman (Ralph "Hot Lips" Sigafoos) of one of our most important American industrial corporations (the Art Mechanical Dog Co.) wrote a trenchant article in which he pinpointed our single most serious national problem: the lack of culture among science graduates.

Let me hasten to state that Mr. Sigafoos's article was in no sense derogatory. He said emphatically that the science graduate, what with his gruelling curriculum in physics, math, and chemistry, can hardly be expected to find time to study the arts too. What distresses Mr. Sigafoos—and, indeed, all of us—is the lopsided result of today's science courses: graduates who can build a skyscraper but can't compose a concerto; who know Newton's Third Law but not Beethoven's Fourth Sym-



The lopsided result of Today's Science

phony; who are familiar with Fraunhofer's lines but not with Shelley's.

Mr. Sigafoos can find no solution to this lamentable imbalance. I, however, believe there is one—and a very simple one. It is this: if students of science don't have time to come to the arts, then the arts must come to students of science.

For example, it would be a very easy thing to teach poetry and music right along with physics. Students, instead of being called upon merely to recite, would instead be required to rhyme their answers and set them to familiar tunes—like, for instance, the stirring *Colonel Bogey March*. Thus recitations would not only be chock-a-block with important facts but would, at the same time, expose the students to the aesthetic delights of great poetry and music. Here, try it yourself. You all know *The Colonel Bogey March*. Come, sing along with me:

Physics
Is what we learn in class.
Einstein
Said energy is mass.
Newton
Is high-falutin'
And Pascal's a rascal. So's Boyle.

Do you see how much more broadening, how much more uplifting it is to learn physics this way? Of course you do. What? You want another chorus? By all means:

Leyden
He made the Leyden jar.
Trolley
He made the Trolley car.
Curie
Rode in a surrey
And Diesel's a weasel. So's Boyle.

Once the student has mastered *The Colonel Bogey March*, he can go on to more complicated melodies like *Death and Transfiguration*, *Sixteen Tons*, and *Boo-Hoo*.

And when the student, loaded not only with science but with culture, leaves his classroom and lights his Marlboro Cigarette, how much more he will enjoy that filter, that flavor, that pack or box! Because there will no longer be a little voice within him repeating that he is culturally a dolt. He will know—know joyously—that he is a complete man, a fulfilled man, and he will bask and revel in the pleasure of his Marlboro as a colt rolls in new grass—exultant and triumphant—a truly educated human person—a credit to his college, to himself, and to his tobacconist!

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We, the makers of Marlboros and sponsors of this column, urge you not to roll colt-wise in the grass if you are carrying a soft pack of Marlboros in your pocket. If, however, you are carrying the crush-proof box and weigh less than 200 pounds, you may safely fling yourself about.

Freshmen Post New High on Quiz-Out Tests

Compared to previous first-year classes, MSM's entering freshmen have displayed over the past few years a definitely improved aptitude for college work. This trend, which is evident throughout the country but more especially in engineering schools, is largely due to the increased emphasis being placed on mathematics and science in our nation's high schools.

Many freshmen now come to college already well-prepared in the basics of different fields of study. Consequently, MSM offers new students the opportunity to receive college credit for certain elementary subjects by offering comprehensive examinations covering the subject matter of these courses.

This year's Freshman Class of 813 compiled a total of 1,048 hours of advanced credit in six different subjects. Sixty four students passed the test administered for Chemistry 1 and 2 with a grade of A or B, while 115 received credit for Math 5. Four individuals passed Engineering Graphics tests—three in Graphics 11 and one in Graphics 10. There were also forty eight receiving credit from the Humanities Department. Thirty four passed English 1 and fourteen obtained three credit hours in American Civilization.

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Jack Lemmon & Lee Remick

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Charlton Heston & Yvette Mimieux

—PLUS—

'World in My Corner'

Audie Murphy & Barbara Rush

Sun., Mon., Tues. Nov. 10-12

Sunday Continuous from 1 p.m.

'Barabbas'

Anthony Quinn & Silvano Mangano

—PLUS—

'The Secret of the Purple Reef'

Jeff Richards & Margia Dean

Wed., Thurs. Nov. 13-14

'Nine Hours to Rama'

Horst Buchholz & Jose Ferrer

—PLUS—

'Third of a Man'

James Drury & Jan Sheppard

Radio Club Installs New Tower for WØEEE

The Radio Club has been responsible for the erection of a new landmark on campus during the past weeks.

Few people have failed to notice the pea-green, lattice tower mounted on the roof of the Rolla Building.

Erected with the aid of the building and grounds administration, the tower is intended to be a permanent installation. It will serve to support the "quad" antenna designed and built by radio club members. The antenna was installed over homecoming weekend.

"The value of this installation to the Radio Club and the school is hard to overestimate," said John Strain, manager and trustee of the club station. "Its service to the students at MSM is exemplified by the fact that within forty-eight hours of its installation it was used to make an overseas telephone connection between two students and their parents."

The two students spoken of, Rusty Field and Richard Carpenter, were able to talk with their parents in the Panama Canal Zone for nearly an hour on the afternoon of November 3. A feat that would have been out of the question by normal means due to the cost involved.

The powerful transmitter at

WØEEE is capable of running the maximum legal power permitted by the Federal Communications Commission. The power of this system extends the range of communication to the farthest point on the globe and reports of "the strongest signal on the air" are commonplace for operators of the radio station.

Informal message service in the form of telephone patches is now available to all MSM students to any place in the United States. Arrangements for such message service must be made several days in advance with individual operators.

In order to make the use of the club equipment more general throughout the school, the Radio Club is sponsoring classes to aid interested persons in obtaining their amateur licenses. Details of these classes are available from any club member.

U.S. Army to Exhibit Nuclear Power, Nov. 16

An interesting and colorful exhibit depicting the U.S. Army's nuclear power program will start a one-day showing in Rolla on November 16 in conjunction with Engineers' Day at the Missouri School of Mines and Metallurgy.

The display highlights Army advancements in nuclear power for peace, telling its story with vivid cutaways, drawings and other graphic artwork, in addition to panel text explaining many little-known facts of this vital program.

Exhibit viewers will have a chance to see realistic cutaways of five different nuclear power plants developed by the U.S. Army Corps of Engineers. These plants are currently in operation by the Armed Forces at such far-away sites as Camp Century, Greenland; Fort Greely, Alaska; and Antarctica; and as near as

Fort Belvoir, Va.; and Sundance, Wyo.

How the Army nuclear power program is contributing to national defense and industrial progress, while saving the tax-dollar, is also dramatically pointed out in the display.

Blue Key Selects Twelve Pledges

On Wednesday, Oct. 29, Blue Key National Honor Fraternity elected twelve men for the fall semester pledge class. These men have been selected for their combination of campus activities and exemplary scholarship. Those elected were Keith Baily, Gary Brunner, Bill Farrel, Wayne Huckabee, Larry Littlefield, Charles Lyons, Dale Marshall, James Murray, Bill Norfleet, James Philpott, Bob Ricketts, and Dick Skinner. The pledging period will be completed on Nov. 24 with an initiation banquet at Colonial Village.

Relativity and Psychiatry Next Seminar Subject

The seminar investigating the fields of Relativity Theory and Existential Psychiatry will begin meeting Tuesday, Nov. 19th at 7:00 p.m. in room 110 of the Physics building. A brief historical sketch of the development of existential psychiatry and its parallels in the area of Special Relativity Theory, is the topic for the first meeting. Subsequent meetings will deal with the content of each discipline, as well as the parallels between the two. Co-leaders are Jack Rivers and Larry Felice, who offer this seminar as one opportunity for interdisciplinary discussion in continuing higher education. Interested faculty, graduate students and undergraduates are welcome, beginning Tues., Nov. 17th at 7:00 p.m. in room 110, Physics building.

"The Coeds" A New Campus Organization

There's a new organization on campus — and surprisingly enough, the members are all girls. It's called, naturally, "the Coeds," and membership is open to all women students at MSM.

"The Coeds" is a social organization, with the purpose of giving the female students organized representation in school affairs, and providing various social activities through the year. Of the latter, in the planning stage are an informal party in mid-November, and a Christmas caroling sometime in December.

Officers for "the Coeds" are: Sandy Stack, president; Holly Long, vice-president; Carolyn Parks, recording secretary and treasurer; Paula Van Hook, corresponding secretary; and Stephanie Leicht, parliamentarian.

Female students interested in joining are more than welcome and should contact one of these girls.

REVIEWERS STAND

(Continued From Page 2)

after another. They try to stop drinking, but cannot. Recognizing the hopelessness, Joe joins Alcoholics Anonymous, but Kirsten refuses. A separation comes with Joe now back on the wagon, thanks to AA, but Kirsten still claims she cannot stop drinking. Joe then refuses to let her come back until she is willing to help herself by taking the cure.

This film has a strong message especially for adult audiences everywhere and it should be viewed for its TRUE value. It will be shown at the Uptown Theater from November 12 through November 14.

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Greek News

Lambda Chi Alpha Initiates

Lambda Chi Alpha initiated Mr. James Schnarr, Mr. Edward Schmidt, Mr. Terry Watson, Mr. David Busch, Mr. Edgar Quick, Mr. Barry Basden, Mr. Jerry Fratina, Mr. Austin Storey, Mr. David Bachman, Mr. David Murrell, and Mr. Robert Weber, on September 27, 1963.

Homecoming festivities at Lambda Chi last weekend, consisted of a "pajama party" Friday night and a "German Bierstube" Saturday evening. The music was provided by the Fender Benders and the Majestics respectively. Lambda Chi also did very well in Homecoming activities, by taking second place in the pajama race and third for the Homecoming display built in the front yard. The display represented a huge nixmaster with the Springfield Bears getting the beating.

New Teke Annex Well Received

This past Homecoming Weekend has been one of much gaiety for men of TKE. Many compliments on the TEKE's new house were heard from alumni as well as from visiting brothers and pledges from Cape Girardeau and Springfield, Missouri chapters.

Tau Kappa Epsilon is quite

Yearbooks Still Unclaimed by Forty-Nine

The following is a list of the yearbooks which have been returned to school. You may pick up your book at the Rollamo office (basement of the Rolla Bldg.). If you are unable to find anyone at the office, call Alan Kamp, 364-1490.

Rajadt I. Al-Farsi
Mohmed Alasha Ali
Boonchuay Buaprasert
Manoharlal Chumilal Bajaj
David L. Careleton
Sidney Chen
Allen H. Cory
Ratan F. Daboo
Indrasit N. Desai
Mehenora H. Divecha
John W. Frisbie
William R. Fritsch
Fred Gronlund
Hossinghdi Hanshmand
Lee R. Headington
Lee C. Hee
Larry K. Henderson
Piadua T. Henslee
Soh Jin Heung
Alberto S. Him

(Continued on Page 10)

NEWS OF THE WEEK

(Continued From Page 3)

vast powers to the Attorney General in virtually every case of racial discrimination, though it probably would have had little chance of passing both houses. Kennedy's proposal calls for intervention only in cases of voting rights, educational privileges, and some employment.

Two Awarded SW Lime Company Scholarships

Stephen Harvey and Gustavo Iraola have been named recipients of the Southwest Lime Company Scholarships for this academic year at the Missouri School of Mines and Metallurgy. The Southwest Lime Company of Neosho, Missouri, makes these scholarships available. Recipients are selected on the basis of scholarship, integrity, engineering promise and need and must be study-

ing in the fields of mining engineering or mining geology.

Stephen Harvey, a freshman in Mining Geology, is the son of Mr. and Mrs. Robert Harvey, 1111 Redwood, Independence, Missouri. He graduated from Fort Osage High School in June 1963, ranking 11th in a class of 90, scored at the 93rd percentile on the Pre-Engineering Ability Test and at the 98th percentile on the Ohio Psychological examination. During his high school years, Harvey was active in the Debate Club, was consistently on the Honor Roll, received certificates of academic recognition from the University of Missouri and Cen-

tral Missouri State, and was a member of the National Forensic League.

Gustavo Iraola, a sophomore in Mining Engineering, is the son of Mr. Antonio Iraola, Calle No. 5, No. 162, Camaguey, Cuba. He has a total of 38 hours, 124 grade points for a 3.26 cumulative average. He has appeared on the Dean's Honor List, is treasurer of the Federation of Latin American Students, served as Student Assistant in the School Cafeteria, belongs to the International Fellowship, Newman Club, and is a member of the American Institute of Mining Engineers, a professional organization.



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VIEWS OF

HOMECOMING 1963



Homecoming Queen, Joy Webb, parades before crowd at Saturday's football game.



Two of the members of Chuck Tillman's band, which performed at Student Union dance.



Intent looking pair of dancers at one of the many parties held over Homecoming weekend.



Joe Miner gives somber warning to Bears in Kappa Sigma's Homecoming display.



Pledges perform in traditional Pajama Race during halftime of Homecoming game.

63

Engineer's Club; Oldest Coop. on The MSM Campus

The Engineer's Club has the prestige of being the oldest existing eating cooperative on campus. It was first organized in 1934 when ten students pooled their finances to rent a house and hire a cook, who was the mother of one of the charter members. Since this beginning, the Engineers' Club has grown to its present size of 140 members and several cooks.

The Club has been located in several places during its existence. One of the early buildings in which it was located is the building next to Campus Book Store which is presently occupied by Larry's Barber Shop. After several years at this location, it was moved two buildings east to the corner of 12th and Pine streets, which is now occupied by a student apartment. During the time it was located here, there was a fire on the second story which in-

flicted considerable damage to the building. Things were soon brought back to normal due to the work of the members and help from the school. At the beginning of the second semester of 1960 the Club moved to its present location, 1100 Elm Street.

The purpose of the Club is of a two-fold nature. It serves as an eating establishment where wholesome and appetizing meals can be obtained at a reasonable price, and it promotes better student relations by inducing its members to support and participate in student organizations and activities.

The Club is directed by the President and a Board of Control, which consists of four members, while the business is executed by the Business Manager, Secretary, and Treasurer. These officers are elected during the Spring semester and hold office for one year.

New members are accepted to the club at the beginning of each semester, and any independent student is eligible for membership. However, the number of members is such as the size and facilities dictate.

In the thirty years that the club has been in existence it has made many contributions to the campus and to its members. It is hoped that in the future it will continue its excellent record.

ler, Jr., who will be moderators at sessions of the Conference; and the committee on arrangements includes the following members of the staff of the Department of Civil Engineering: Professor J. Kent Roberts, Associate Professor Frank A. Gerig, Jr., and Assistant Professors Jerry R. Bayless, Frank J. Capek, and Paul R. Munger.

Guest participants in the conference represent several states and industry, public agencies and education. The principal address at the November 7th evening session will be delivered by Missouri Attorney General Thomas F. Eagleton. Visiting participants include: A. C. Benkelman, consultant for the Asphalt Institute, Altamonte Springs, Florida; T. F. McMahon, highway engineer of the Bureau of Public Roads, Washington, D.C.; Col. James B. Meanor, CE, District Engineer, St. Louis District of the U. S. Corps of Engineers; Neil P. Woodruff, Research Investigations of Kansas State University; Richard Bartell, sales engineer of Iowa Manufacturing Company, Cedar Rapids, Iowa; Moreland Herrin of the University of Illinois; M. R. Royer, district engineer of the Asphalt Institute at Kansas City, who also served on the arrangements committee; John F. Britton, Executive Secretary of the Missouri Bituminous Contractors Association of Jefferson City, who also served on the arrangements committee; John J. Leslie, St. Louis County Engineer; W. H. Campen, manager of the Omaha Testing Laboratories, Omaha, Nebraska; R. K. Hogan, Assistant Technical Supervisor of the Eastern Laboratory of the American Bitumuls and Asphalt Company, Baltimore, Maryland; S. C. Palmer, city engineer of Kansas City; V. B. Saville, engineer of materials of the Missouri State Highway Department, Jefferson City; and W. E. Day, of the Maintenance Department of the Missouri State Highway Department, Willow Springs.

BLUE KEY MAN OF MONTH

(Continued From Page 1)

Literary Editor and Assistant Editor on the Rollamo Board have preceded for ample preparation. Bill is presently President of Phi Kappa Theta Fraternity where he has also held the offices of Alumni Secretary and Secretary. He has also boosted Phi Kap tremendously on the intramural field where



BILL CREDE

he is an outstanding performer in many sports. Other positions Bill has held include Alumni Secretary and Treasurer of Blue Key, Vice President of the St. Pat's Board, Inner Guard of Theta Tau, and Committee Chairman

of the Student Union Council. Memberships in Pi Tau Sigma, SAE, SAME, and the Newman Club round out a very full activity slate.

Many honors and awards have come Bill's way, and they include the following: Theta Tau Freshman-of-the-year, Curator's Award, Gold Key, Chicago Tribune Award, FEF Scholarship, Dean's List, and Who's Who in American Colleges and Universities.

Battalion Awards To Be Given

(Continued From Page 1)

in 1890, it has more than 1400 members.

Other awards to be presented throughout the day include the Board of Curators of the University of Missouri Summer Camp Award, the Board of Curators Marksmanship Award, four Chicago Tribune Outstanding Cadet Awards, twenty-two Distinguished Military Students, and Professor of Military Science Awards for ten Sophomores and twelve Freshmen.

The ROTC Battalion Awards Review ceremonies are conducted annually at MSM to recognize meritorious cadets publicly.

APO Needs Work! Pledges to Serve

Do you have a job that requires 600 hours of work? No! Well maybe you have a smaller job that requires a few hours of work. No matter in which category your job fits, it fits us. Size is no object! We have 60 pledges that need 10 hours of service work apiece.

Alpha Phi Omega does service work for the campus and the community. Some typical jobs recently completed by APO include: clean-up of Lions Park, promotion of Blood Drive on campus which netted one-fourth of the blood donated in Phelps County, canvassing for United Fund, Parent's Day registration, and furnishing guides for the Science Fair.

If you know of some worthy project that requires work, no matter how much, contact Bill Norfleet at 707 State Street, or call 364-2731.

Michael Reiss Wins Mo. Science Fair Stipend

Michael K. Riess has been named recipient of the South Central Missouri Science Fair Scholarship for the 1963-64 School year. The Fair is held annually in Rolla and each year the Board of Curators of the University of Missouri, of which the School of Mines and Metallurgy is a division, makes one scholarship available to a Fair participant for use at MSM.

Michael Reiss, a freshman in Physics, is the son of Mr. and Mrs. Roy Riess, 1806 Olive, Rolla. He graduated from Rolla High School in May 1963, ranking 26 in a class of 182, and scoring at the 99th percentile on the Ohio State Psychological Examination. At MSM he has 20 hours and 65 grade points for a 3.25 average, obtained through examination and summer course work. He was awarded the Science Fair Scholarship for his exhibit entitled "Simple Phase Relations."

Asphalt Conference

(Continued From Page 1)

place and participants will include 19 professional persons.

Members of the faculty of the School of Mines and Metallurgy who are active participants include Dean Merl Baker, who will deliver the welcoming address; Professor E. W. Carlton, Chairman of the Department of Civil Engineering, who will preside at one session; Associate Professor of Civil Engineering Thomas S. Fry and Associate Professor of Civil Engineering John B. Heag-

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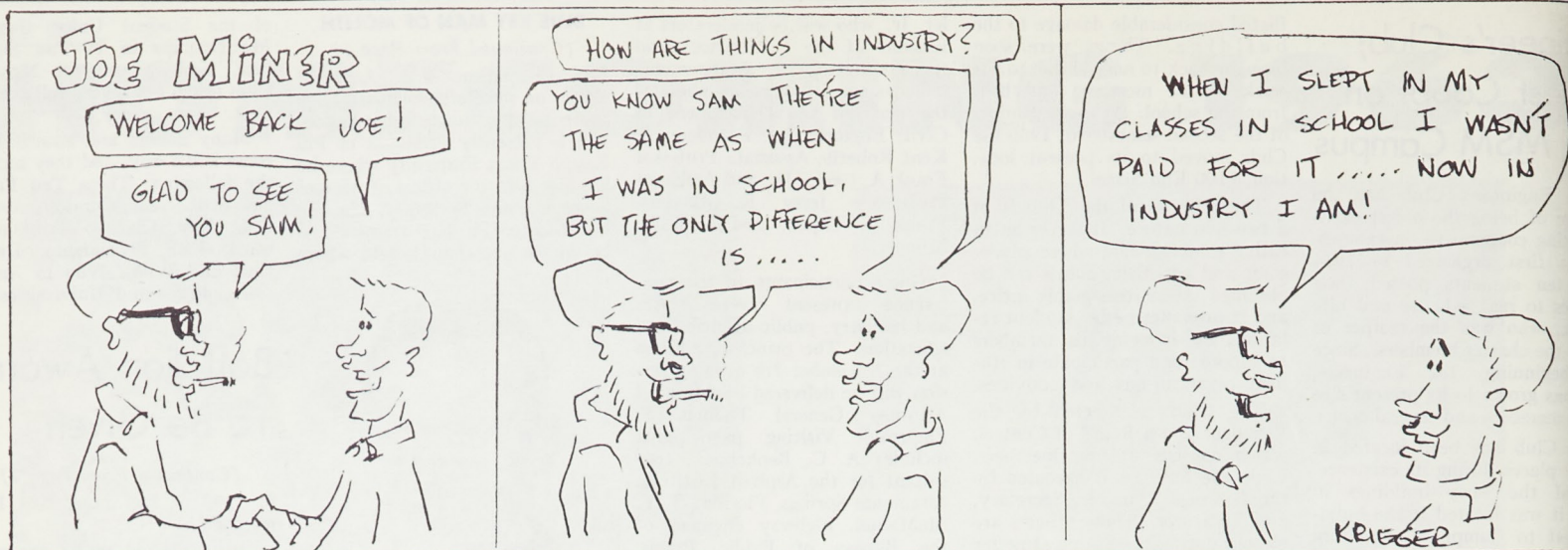
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SUNDAY

7:00—News
7:15—Easy Listening Music
8:00—Light Classical Music
9:00—Standard Classical Music
11:00—News, Special Programs, Interviews, Educational etc., Non-Music
11:05—Sign Off

MONDAY

7:00—Sign On, News, Specials, Educational
8:30—Jazz
9:00—Easy Listening Music
10:30—Standard Classical Music
11:00—News, Specials, Educational
11:05—Sign Off

TUESDAY

7:00—Sign On, News, Specials, Educational
8:30—Jazz
9:00—Easy Listening Music
10:30—Standard Classical Music
11:00—News, Specials, Educational
11:05—Sign Off

WEDNESDAY

7:00—Sign On, News, Specials, Educational
8:30—Jazz
9:00—Easy Listening Music
10:30—Standard Classical Music
11:00—News, Specials, Educational
11:05—Sign Off

THURSDAY

7:00—Sign On, News, Specials, Educational
8:30—Jazz
9:00—Easy Listening Music
10:30—Standard Classical Music
11:00—News, Specials, Educational
11:05—Sign Off

FRIDAY

7:00—Sign On, News, Specials, Educational
8:30—Broadway Show Music
9:00—Folk Music
10:00—Dixieland Music
11:00—News, Specials, Educational
11:05—Sign Off

SATURDAY

7:00—News
7:15—Easy Listening Music
8:00—College Hour
9:00—Jazz Special
10:00—Easy Listening Music
11:00—News, Specials, Educational
11:05—Sign Off

PROGRAMMING DISTRIBUTION

News, Special Programs, Interviews, Educational, etc., Non-Music = 8 Hr. 05 Min.
Easy Listening Music = 8 Hr. 30 Min.
Light Classical and Classical = 5 Hr.
All Jazz (Including Jazz Special and Dixieland) = 4 Hr.
Misc. Music but Non-Classical = 2 Hr. 30 Min.
TOTAL 28 Hrs. 5 Min.

DR. BAKER'S SPEECH

(Continued From Page 1)

need for an increase in the areas of humanities and social studies, indicating that an increased proficiency might be obtained from such faculties through awarding a degree of a humanities nature on this campus. Citing the need of the engineer or scientist for an adequate understanding of the humanities, Dr. Baker called for

added stress in this area.

His fourth point of emphasis concerned research as he outlined the close relationship between excellent centers of learning in science and engineering and the vast amount of research taking place at these centers. He called for minimal amounts of at least 30% research time to be spent by faculty of professional rank.

He cited Public Service as a fifth factor for future growth. In this vein he said the School could serve the state through extension work and through special research and technical assistance activities. In this way he said the School can be of assistance to agencies and industry in Missouri. When assistance is provided to these groups by the School, then credit will be reflected on the School.

Final factors are the capital needs and the meeting of those needs, he said, listing various immediate requirements in the physical plant, the need for additional faculty and more equipment. Every possible source, from legislative appropriations to funds from sponsored research, must be sought to help with needed growth.

The alumni, said Dr. Baker, are invited to give consideration to these ways in which they can

help: research and teaching awards, faculty fellowship funds, incentive research funds, assistance toward buildings, assistance in acquiring research equipment, assistance in recruiting good graduate and undergraduate students, assistance with public information, assistance toward a special fund to supplement the salaries of

a few full professors, and help in establishing alumni clubs in many areas.

Many of the goals and aims of the School are planned for realization by the year 1970, the School's Centennial. He called for an all-out effort to aid President Ellis and the Board of Curators to achieve impressive goals by 1970.

★ WIN ★ IN THE MARLBORO BRAND ROUND-UP

CONTEST CLOSING

MISSOURI SCHOOL OF MINES
NOVEMBER 22, 1963

Round-up Your Empty Packs.

Redemption and prize awards will be made at Rolla Drug between the hours of 1:00 p. m. and 2:30 p. m., November 22, 1963.

No entries accepted after 2:30 p. m. Empty packs must be submitted in bundles of 100 to qualify.

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Movie

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Interviews at Student Union

Friday, Nov. 15

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MSM Falls to Springfield in 42-0 Homecoming Battle

By Tom Johnson

A homecoming crowd of 6000 w the Missouri Miners go down defeat last Saturday, as the Springfield Bears maintained their blemished record by walloping e Miners 42-0. Fumbles marred e game as the Miners dropped e ball 7 times and Springfield times.

The Miners kicked off to start e game. Springfield got the ball n their own 34. From there, they oved for four first downs in eight ays. On the next play the Bears ored only to be called back for pipping. There MSM held and ok possession of the ball on eir own 10. After an exchange f fumbles, the Miners were held nd forced to punt. The ball hit Springfield player and the Min- rs recovered on their own 46. MSM then moved to Springfield's 2, but a Miner pass was inter- epted and taken 90 yards for a ouchdown. The point try was ood, making the score 7-0 in avor of the Bears. Springfield en kicked off and after another xchange of fumbles the first uarter ended.

The Miners were in control of he ball at the start of the second uarter but were soon forced to ick. Springfield then powered heir way the length of the field or another T.D. The extra point as good and the score was Springfield 14, Miners-0. On the ickoff, the Miners fumbled and he Bears recovered. However the Miners held and took possession. The MSM offense was stopped by n intercepted pass. From the 24 f the Miners, the Bears went on o score. The P.A.T. was good and he score became 21-0. After the ickoff the ball changed hands several times, but there was no urther score as the half ended.

The Bears kicked off to start

the second half, then held and forced the Miners to punt. After getting the ball, their offense moved to the Miners 16 yard line. There the MSM defense dug in and held for four downs. From their 16, the Miners moved into Springfield territory before another fumble stopped the offensive effort. After the recovery, Springfield moved to the Miners 37 yard line. This brought the end of the third quarter with the Bears leading 21-0.

Miner one yard line. They punched over for the score. The point try was good and the score was 35-0. Again the kickoff was fumbled by the Miners and recovered by the Bears. However, this time the Miner defense held. After exchanging the ball, Springfield was once more in possession on the Miner 39 yard line. A fourth down pass play worked and took the ball to the Miner 12. Another pass scored the T. D. and the point after was good. This made



Dark clouds hung over Jackling Field Saturday.

Springfield kept moving and shortly after the start of the four- quarter, they went over for another T.D. The point try was good making the score 28-0. The Miners again fumbled the kickoff and Springfield recovered. On the next play, pass interference was called against the Miners, giving the Bears first and goal from the

the score 42-0, Bears. After receiving the kickoff, the Miners moved to two first downs before a pass interception again stopped the offense. Springfield then began moving the ball on the ground to run out the clock. As the game ended, they were on the Miner 9 yard line. The final score was 42-0 in favor of Springfield.

MSM Rifle Squad Edges Kansas in Invitational Meet

The high flying ROTC sponsored Varsity Rifle Team left some of the top teams in the country a bit bewildered this past weekend by carrying home first place honors in the Annual Mississippi Valley Invitational Matches held at Washington University at St. Louis.

Eleven colleges were entered with a total of 20 four member teams competing for top honors in both individual and team matches. Each match was 3-position (prone, kneeling and standing) with a maximum possible score being 300. The Miner team first fired for individual honors. Lloyd Bingham came through with a fine 289 which placed him fourth out of a total of 95 individual competitors. Robert Hall and Theodore Moore barely missed making the top ten with scores of 286 and 285 respectively. Scores of 287 and above placed in the top ten. Margaret Thompson, a coed from Kansas State University of Manhattan led the pack with a score of 291 proving that it takes something more than muscles to be a top shooter.

In the team competition Robert Hall was the "big gun" with 289 closely followed by Lloyd Bingham and Carl Steib with scores of 287 and Theodore Moore with

286. The team total was 1149 which was good enough to edge out a fine Kansas State crew by four points.

The eleven colleges entered were: MSM, Kansas State, University of Missouri, Knox College, St. Louis University, Murray State of Kentucky, Washington University, Notre Dame, Rose Polytechnic Institute, Iowa State, and Southern Illinois.

This Saturday a Missouri University team will be waiting to gun down the undefeated Miners when the team travels to Columbia to compete in a 10 man shoulder-to-shoulder match. Missouri University placed third in the Invitational with a score of 1135. This should be a fine match in that the Miners will be out to prove that being undefeated has not come by accident.

**INTRAMURAL
BASKETBALL
PLAY BEGINS
NOVEMBER 11**

Miners Meet Mules in Final Game of 1963 Loop

A chance for a third place tie in the MIAA loop and a final victory will be at hand aturday when the Missouri Miners travel to Warrensburg, Missouri, to close out the 1963 football season. Both teams have won one and lost three in conference play, and depending on other results, one of these teams will possibly tie for third.

Warrensburg has beaten Maryville, and they have lost to Cape, Springfield, and Kirksville. The Mules have an overall record of three wins and four losses so far this season.

Springfield and Kirksville players dominate the list of leading men in the conference, but Warrensburg's Rice is tops in the field of punting. He has an average of better than 40 yards per game and is one of their most valuable players. Weaver, a half-back on the Mule squad, is averaging 15 yards on punt returns. Their leading passer is a back named Repp, who has had 10 out of 36 passes completed for an average of 27.77 percent.

Thus far, the Miners have totaled 824 totals yards gained, as compared to Warrensburg's 661. In yards rushing, the figures are unusually close. MSM has 1553

yards, while the Mules have totaled 1555. Throughout this season, Warrensburg has relied almost completely upon their rushing, keeping the passing to a minimum. This is shown by the total of 89 yards gained as a result of passing, as compared to the Miner's 616.

Couse has been the Miner's leading scorer this year, and is regarded as one of the better conference scorers with his total of 24 points. The team as a whole has totaled only 59 points this season, their lowest figure since 1953. The opposition's total amounts to 225.

The Silver and Gold have done well in returning kick-offs. George Gasparovic is top man, having caught 11 for a total of 297 yards. His total alone is superior to the total of all of the Miner's opponents (208). The squad has caught 41 kick-offs, for a total yardage of 711.

As it was previously mentioned, the Warrensburg contest will bring the football season to a close for MSM. Although the year may not have been as eventful as in some previous years, Saturday's battle could bring the Miners into a tie for the third spot.

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FALSTAFF

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Miner Sprinters Finish Fifth in Springfield Meet

By Dexter Hawk

As the first half of the semester comes to a close, so does the varsity cross country season. Although the Miners didn't run away with honors, great expectations are predicted for future years. This being the first year of competition for all of our men, experience has been the greatest gain. There were no returning varsity lettermen at the start of the season, so the squad had to start from scratch.

The team consists of two juniors, two sophomores, and seven freshmen. The junior line-up includes Ted Moore and Ed Tharp. The sophomores are Larry Winchester and Charles Dakin. Seeing action for the first time this year were Kenneth Burgard, Bob Carter, James Dowdy, Mike Stiefman, Jim Meisenheimer, Lonie Harman, and Gary Lee.

At the first meet, the Miners defeated Westminster of Fulton by the score of 22-38. Then the

(Continued on Page 10)

The Harmon Football Forecast

TOP 20 TEAMS

(based on power quotient ratings, not on games won and lost)

| | | | |
|-----------------|-----------------|--------------------|------------------|
| 1 - MISSISSIPPI | 6 - OKLAHOMA | 11 - OHIO STATE | 16 - ARMY |
| 2 - TEXAS | 7 - NAVY | 12 - NEBRASKA | 17 - MISS. STATE |
| 3 - ILLINOIS | 8 - MICH. STATE | 13 - GEORGIA TECH | 18 - SYRACUSE |
| 4 - BAYLOR | 9 - AUBURN | 14 - WASHINGTON | 19 - WISCONSIN |
| 5 - ALABAMA | 10 - PITTSBURGH | 15 - MEMPHIS STATE | 20 - ARKANSAS |

Friday, November 8

| | | | |
|-------------------|----|-------------------|----|
| Cal Lutheran | 14 | Cal Tech | 0 |
| Nebraska Wesleyan | 13 | Hastings, Neb. | 7 |
| Villanova | 14 | Detroit | 10 |
| Youngstown | 23 | Gustavus Adolphus | 6 |

Saturday, Nov. 9 — Major Colleges

| | | | |
|----------------------|----|-------------------|----|
| Air Force | 20 | U. C. L. A. | 9 |
| Arizona State | 23 | San Jose State | 14 |
| Arkansas | 17 | Rice | 7 |
| Army | 25 | Utah | 8 |
| Auburn | 17 | Mississippi State | 15 |
| Boston College | 21 | Buffalo | 7 |
| Boston U. | 22 | Connecticut | 20 |
| Bowling Green | 14 | Marshall | 9 |
| Brown | 18 | Cornell | 0 |
| Bucknell | 21 | Colgate | 18 |
| Cincinnati | 20 | North Texas | 7 |
| Clemson | 21 | North Carolina | 20 |
| Dartmouth | 14 | Columbia | 6 |
| Duke | 32 | Wake Forest | 0 |
| Florida | 17 | Georgia | 15 |
| Furman | 0 | Presbyterian | 0 |
| George Washington | 19 | Brigham Young | 13 |
| Georgia Tech | 17 | Florida State | 7 |
| Hardin-Simmons | 21 | Trinity, Texas | 0 |
| Idaho | 14 | Arizona | 13 |
| Illinois | 20 | Michigan | 14 |
| Indiana | 20 | Oregon State | 16 |
| Iowa | 13 | Minnesota | 13 |
| Kent State | 14 | Louisville | 13 |
| Kentucky | 23 | Vanderbilt | 13 |
| L. S. U. | 17 | T. C. U. | 14 |
| Memphis State | 25 | South Carolina | 7 |
| Miami, Ohio | 21 | Toledo | 10 |
| Michigan State | 21 | Purdue | 0 |
| Mississippi | 0 | Tampa | 0 |
| Missouri | 21 | Colorado | 0 |
| Montana State | 26 | Montana | 8 |
| Navy | 28 | Maryland | 14 |
| Nebraska | 21 | Kansas | 19 |
| North Carolina State | 19 | V. P. I. | 14 |
| Ohio State | 14 | Penn State | 0 |
| Ohio U. | 21 | Western Michigan | 0 |
| Oklahoma | 21 | Iowa State | 6 |
| Oregon | 21 | Washington State | 7 |
| Pittsburgh | 25 | Notre Dame | 20 |
| Princeton | 27 | Harvard | 7 |
| Richmond | 19 | The Citadel | 7 |
| Rutgers | 21 | Lafayette | 0 |
| San Diego State | 27 | Pacific | 6 |
| Southern California | 25 | Stanford | 8 |
| S. M. U. | 19 | Texas A & M | 14 |
| Syracuse | 27 | West Virginia | 6 |
| Tennessee | 14 | Tulane | 7 |
| Texas | 21 | Kansas State | 19 |
| Texas Tech | 20 | Oklahoma State | 7 |
| Tulsa | 20 | Colorado State U. | 0 |
| Utah State | 37 | William & Mary | 6 |
| Virginia | 15 | Holy Cross | 6 |
| V. M. I. | 16 | California | 7 |
| Washington | 24 | West Texas | 14 |
| West Texas | 24 | New Mexico State | 14 |
| Wichita | 22 | Dayton | 6 |
| Wisconsin | 21 | Northwestern | 14 |
| Wyoming | 25 | New Mexico | 14 |
| Xavier | 20 | Texas Western | 7 |
| Yale | 13 | Pennsylvania | 0 |

FAR WEST (small colleges)

| | | | |
|--------------------|----|----------------------|----|
| Cal Poly (Pomona) | 23 | San Fernando | 6 |
| Cal Western | 23 | Claremont | 0 |
| Colorado College | 15 | Doane, Neb. | 12 |
| Colorado Mines | 20 | Adams State | 19 |
| Colorado Western | 15 | Arizona State | 13 |
| Davis | 21 | Nevada | 0 |
| Eastern New Mexico | 19 | NW Oklahoma | 0 |
| Fresno State | 25 | Long Beach | 7 |
| Humboldt | 13 | Sacramento | 10 |
| Idaho State | 24 | Weber | 7 |
| LaVerne | 13 | Riverside | 0 |
| Lewis & Clark | 32 | Pacific U. | 0 |
| Los Angeles | 31 | Cal Poly (S. L. O.) | 13 |
| Occidental | 14 | Redlands | 7 |
| Panhandle A & M | 26 | New Mexico Highlands | 0 |
| San Francisco | 23 | Chico State | 12 |
| Santa Clara | 18 | Santa Barbara | 14 |
| Whittier | 21 | Pomona | 0 |

EAST (small colleges)

| | | | |
|------------------|----|---------------------|----|
| Amherst | 18 | Trinity, Conn. | 0 |
| Bridgeport | 19 | Cortland | 18 |
| Brockport | 25 | Bridgewater State | 0 |
| Conestoga | 33 | Hobart | 0 |
| Delaware | 33 | Temple | 7 |
| Drexel Tech | 24 | King's College | 7 |
| East Stroudsburg | 30 | Bloomsburg | 0 |
| Hamilton | 14 | Wagner | 13 |
| Indiana State | 31 | Lock Haven | 7 |
| Ithaca | 20 | Southern Conn. | 13 |
| Junia | 19 | Trenton | 13 |
| Massachusetts | 50 | American Int'l | 0 |
| Muhlenberg | 18 | Lycoming | 13 |
| Northeastern | 26 | Tufts | 0 |
| Penn Military | 21 | Franklin & Marshall | 6 |
| Post | 22 | Alfred | 12 |
| Rochester | 18 | Carnegie Tech | 7 |
| St. Lawrence | 14 | Warburg | 7 |
| Slippery Rock | 20 | Clarion | 0 |
| Susquehanna | 45 | Union | 0 |
| Swarthmore | 13 | Johns Hopkins | 0 |
| West Chester | 58 | Cheyney | 0 |
| Williams | 17 | Wesleyan | 14 |

MIDWEST (small colleges)

| | | | |
|--------------------|----|---------------------|----|
| Anderson | 23 | Defiance | 13 |
| Ashland | 20 | Mt. Union | 7 |
| Ball State | 21 | Bradley | 12 |
| Bluffton | 19 | Adrian | 7 |
| Buena Vista | 18 | Warburg | 7 |
| Butler | 26 | Evansville | 0 |
| Central, Iowa | 21 | Upper Iowa | 6 |
| Earlham | 14 | Kalamazoo | 6 |
| East Central Okla. | 30 | SE Oklahoma | 7 |
| Emporia College | 49 | Kansas Wesleyan | 0 |
| Hillsdale | 19 | Westmar | 6 |
| Hiram | 29 | Ohio Northern | 15 |
| Indiana State | 18 | Kenyon | 0 |
| Kearney State | 25 | St. Joseph | 7 |
| Langston | 14 | Northern St., S. D. | 20 |
| Luther | 34 | SW Oklahoma | 7 |
| Manchester | 24 | Simpson | 0 |
| Missouri State | 24 | Hanover | 7 |
| Missouri Valley | 48 | Central Missouri | 13 |
| Northern Illinois | 28 | Culver-Stockton | 0 |
| Northern Michigan | 40 | Central Michigan | 7 |
| Omaha | 22 | Macalester | 7 |
| South Dakota State | 25 | Pittsburg | 6 |
| SE Missouri | 18 | Morningside | 0 |
| Southern Illinois | 20 | NW Missouri | 7 |
| SW Missouri | 22 | North Dakota State | 6 |
| Southwestern, Kan. | 28 | NE Missouri | 18 |
| Valparaiso | 21 | Sterling | 0 |
| Wabash | 12 | DePauw | 19 |
| Western Illinois | 14 | Heidelberg | 0 |
| William Jewell | 20 | Drake | 9 |
| Wilmington | 20 | Emporia State | 8 |
| Wittenberg | 20 | Alma | 7 |
| | | Akron | 15 |

SOUTH (small colleges)

| | | | |
|----------------------|----|------------------|----|
| Abilene Christian | 27 | Arlington | 7 |
| Catawba | 21 | Fredrick | 12 |
| Chattanooga | 21 | Florence | 6 |
| Davidson | 19 | Lehigh | 7 |
| Delta State | 21 | Arkansas State | 19 |
| East Carolina | 31 | Lenoir-Rhyne | 13 |
| East Tennessee | 24 | Austin Peay | 0 |
| Emory & Henry | 13 | Western Carolina | 8 |
| Hamden-Sydney | 13 | Centre | 6 |
| Howard | 21 | Carson-Newman | 0 |
| Jacksonville | 20 | Miss. College | 8 |
| Livingston | 27 | Millsaps | 6 |
| Martin (U. of Tenn.) | 21 | Troy State | 13 |
| Maryville | 15 | Gulfport | 6 |
| McMurry | 26 | Carleton | 14 |
| Middle Tennessee | 21 | Murray State | 14 |
| Randolph-Macon | 14 | Bridgewater | 12 |
| Sam Houston | 26 | Sul Ross | 6 |
| Sewanee | 28 | Washington & Lee | 7 |
| S. F. Austin | 19 | Howard Payne | 0 |
| Southwest Texas | 25 | East Texas | 21 |
| Tennessee Tech | 23 | Eastern Kentucky | 7 |
| Texas A & I | 14 | Lamar Tech | 6 |
| West Va. State | 20 | Concord | 19 |
| Western Kentucky | 23 | Morehead | 13 |
| Western Maryland | 15 | Dickinson | 14 |

MSM Picked to Down CMS, Texas to Defeat Baylor

Probably the biggest doings in the nation this week will be in the Southwest Conference where two of the nation's finest football teams—2nd-ranked Texas and 4th-ranked Baylor—battle for what will undoubtedly determine the conference championship. Both are undefeated in league play. The Longhorns are the choice again, but on paper they're only two points stronger than the Bears.

In the Big Eight, Oklahoma, No. 6, and Nebraska, No. 12, sit on top by themselves. The Sooners should slip the big needle to Iowa State by 15 points, while the Cornhuskers will have big trouble with Kansas - Nebraska is favored by just 2 points.

The Huskies of Washington, rated in the No. 14 spot this week, have suddenly taken the Rose Bowl spotlight away from Southern Cal. In upsetting the Trojans last week, they rolled to their 4th straight win. And they are strong 17-point favorites over California Saturday.

Small Item about Big Team: "Big" Mississippi, ranked in the Number One position in the country, will administer heavy paddle to exterior of "Little" Tampa by about 49 points.

The crystal ball was pretty foggy in picking the major college games last week - missed 23 out of 62. Even our upsets were upset! However, once again the small college results brought the fore-

casting average up to a passing mark. The totals: 123 right, 40 wrong, with just one tie for a .746 percentage. The season's mark stands at .756 based on 922 winners and 297 losers.

One of three major teams unbeaten and untied, 9th-ranked Auburn goes after another important win in the Southeast Conference. Tied for the lead with Mississippi, the Tigers are favored to edge 17th-ranked Mississippi State by two.

The hair is getting short in the tussle for the Atlantic Coast Conference crown as league-leader North Carolina takes on Clemson, 2-2 in the conference. We'll go with an upset here and pick the Tar Heels to lose their first conference game. The Tigers by one.

Third-rated Illinois is still bubbling surprisingly along, tied for the Big Ten lead with 8th-ranked Michigan State and 11th-ranked Ohio State. After squashing Purdue last week, the Illini will slither Michigan by a touchdown. Michigan State takes on those same Riveters of Purdue, and the Spartans should stay right with Illinois with an 11-point win. Ohio State goes outside, and is favored over Penn State by 5 points.

7th-ranked Navy will scramble Maryland Saturday by 14 points, and 10th-ranked Pitt-scuttlers of Syracuse last week - should bump Notre Dame by five.

UNCLAIMED YEARBOOKS

(Continued From Page 5)

Roger D. Hudson
Jon A. Hull
Norberto Iguaran
Faroon Jahangiri
Richard D. Kelley
Eric Klanderud
Quan C. Kooi
Girdhari G. Lalwani
Kartine Lorroatmokjo
Virram H. Mahadana
Malcolm B. McKean
Howard J. McLain
Hugh R. McWilliams
Manyu K. Mehta
Arthur E. Muller, Jr.
Ligor Paksoy
Mukund C. Petel
Vinubhai M. Petel
Vinod B. Patel
Nader T. Padduni
Daniel E. Sagramoso
Dermot A. Shrdyer
Kiait G. Shah
Jinwha E. Soh
Estel Sprague
Khin M. Thein
Claude Thomes
Havad Vatil
Joe Williams

MINER SPRINTERS

(Continued From Page 9)

team met a string of losses. The first setback was a heartbreaker, the squad losing to Lincoln by the score of 30-27. The following Saturday, the team went to the Springfield Invitational Meet, where they finished fifth out of six. The winner was Kirksville, followed by Oklahoma City University. Cape Girardeau came in third, Washington University (St. Louis) fourth, Missouri School of Mines fifth, and Murray (Ken-

tucky) sixth. Next week, November 9, the team goes to the MIAA meet at Warrensburg (CMS), for the final meet of the 1963 schedule.

The team next year should do fairly well. Since there are no graduating seniors, the men will have a full year of experience behind them. The Miners should fulfill the expectations for next year; these men having much potential to be developed and having many trophies to pick up in the next couple of years.

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