



18 Oct 1963

The Missouri Miner, October 18, 1963

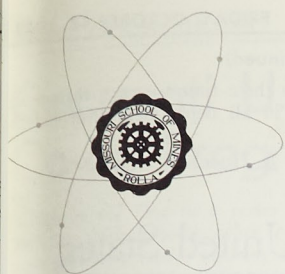
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The Missouri

MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

MINERS "UPSET"

CAPE

SEE SPORTS PAGE

VOLUME 50

FRIDAY, OCTOBER 18, 1963

NUMBER 5



Students, parents, and friends tour the MSM campus on Parents Day.

Miner Victory, Banquet, Highlight Parents Day

The annual Parents' Day event on the campus of the Missouri School of Mines and Metallurgy was a very enjoyable occasion for the parents, students and faculty. Nearly 1000 parents registered in the Student Union Building for this event. After registration, parents were taken on campus tours either by their sons, daughters, or campus guides. Dean Merl Baker, Mrs. Baker and department heads received the parents in the ballroom of the Student Union.

In the afternoon, approximately 6000 people witnessed a very exciting Miners vs. Cape Girardeau football game, which the Miners won.

In the evening, parents, students and faculty attended the Parents' Day Banquet at the Rolla High School Cafeteria. Approximately 550 were in attendance to hear Missouri Represent-

ative Mel Carnahan deliver the main address. Representative Carnahan stressed the importance of higher education and research in the state of Missouri. His talk was enjoyed by all in attendance.

Outstanding Speakers at National TBPI Convention

Tau Beta Pi, a national engineering honor society represented at nearly 100 American colleges and universities, is having its national convention at MSM October 16, 17, 18 and 19th.

Don A. Fischer, Dean of the School of Engineering of Washington University; Robert E. Hage, Vice-President for Advanced Product Planning for McDonnell Aircraft Corporation, and Dr. Frank R. Delfeld, staff engineer at the Milwaukee plants of AC Spark Plug Division of General Motors, will be featured speakers at the combined initiation banquet and national convention.

Dean Fischer, a native of St. Louis, holds degrees in electrical engineering and law from Washington University. A member of the Missouri Bar, he has been employed in the Engineering Patent Department of Fairbanks-Morse Company and as patent attorney for Eilers and Schaumburg in St. Louis. In 1941 he began his engineering education work, while often doing consultant work for many firms. Appointed an instructor in 1941 in Electrical Engineering at Washington University, he has remained with the school serving as Assistant Dean of the School of Engineering and Assistant Professor of Electrical Engineering; as Chairman of the Department of Industrial Engineering and Associate Professor of Industrial Engineering; as acting Dean of the School of Engineering; and in 1956 he received his

Personality, Grads, Activities Important to Interviewers

Tuesday evening, October 8, Dean Merl Baker kicked off the annual Job Interview Panel Discussion, in which four concerns interviewing on this campus attempted through placement officials to inform students of the purposes, rules and results of job interviews.

Representing IBM on the panel was Mr. R. B. Johnson, College Personnel Representative. From General Electric came Mr. A. M. Tracy, Manager of Engineer Recruiting, Midwestern Region, and General Motors was represented by Robert Gray, of the Salary, Personnel and Placement Section. And, representing the MSM student body as well as industry, was Mr. James Stephens, currently president of the MSM Alumni Association and sitting on the panel as Assistant to the President, Missouri Public Service Company.

Mr. Johnson spoke on "What Employers are Seeking in Employees," and listed the factors most often considered in job interviews. Five to twelve of these

items will appear on any given interview form: Personality, Education, Technical Experience, Interest, Maturity, Appearance, Growth Potential, Oral Expression, Alertness, Enthusiasm, Manners, Poise, Speech, Intelligence, Leadership, Social Sense, Attitudes, Analytical Ability, College Grades, Ambition, Planning for the Future, Personal Responsibility, Motivation, Human Relations Skills, Confidence, Sense of Humor, Interest in Things, Interest in People.

Naturally each of these is rated differently by different companies. In an attempt to list relative importance, companies were asked to weigh each factor according to the basis Essential (3), Important (2), Desirable (1), and No Difference (0). The resulting scores were Personality 2.52, High Marks 2.19, Activities 1.62, Specialized Courses 1.58, Part-time Work 1.36, General Course 1.59.

Looking at the other side of the interview, IBM asked all men they offered positions, accepted or rejected, in 1958 to list the points of importance to them in the company they interviewed. The order of the top three was: 1. Opportunities for Challenging Work, 2. Opportunities for Advancement, 3. Opportunities for Assistance in Advanced Education.

In summary, Mr. Johnson stated "... many companies seek an impressive personality ... a technically competent engineer or scientist who does have the desire to excel ..." and that with one or more of these qualifications, a man may have varying success both in his interviews and his work. But if he lacks all three of these — "Good Luck!"

Mr. Tracy restricted his talk to the "B's" of the ABC's of "The Interviewee's Obligation to the Interviewer." The B's specifically

touched on were: Be Businesslike — prompt and appropriately dressed. Be Prepared — have the specific company's data form completed; conduct a self-analysis and know your talents, likes, attitudes; know the reputation and general background of the company. Be Yourself and Be Honest — you will have completed at least ¾ of your education and you are likely to be in the future what you have been in the past; stand on your strengths, build on your weaknesses, and sell yourself to the interviewer.

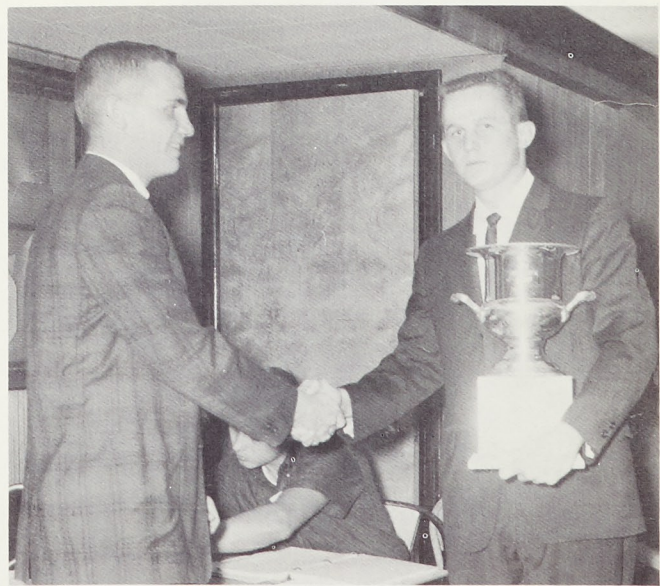
His final advice was to "... express a desire, a determination to make a contribution ..." to the company you interview.

Class Reunions For Homecoming

Homecoming on the MSM campus this year will provide the alumni from nine of this schools graduating classes with the opportunity to attend a reunion of their respective class. Participating in these reunions will be the classes of 1918; '23; '28; '33; '38; '43; '48; and '53.

Class luncheons will be held Saturday, November 2 at 12 o'clock noon. Baxter's Restaurant will host the graduating classes of 1923 and 1943, while the class of 1928 will gather at the Colonial Village Restaurant. Assignments for the six remaining groups will be determined at a later date.

It is important that members who wish to attend these reunions make their reservations beforehand through the Alumni Office, located in the Old Metallurgy Building.



Paul Bucher of Sigma Tau Gamma accepts the IFC scholastic trophy from Paul Gerhardt, president of I. F. C. The Sig Tau's won with a 2.7 average.

Free Day to Be Decided Upon

At the Student Council's regular meeting held October 8, various issues were submitted for possible future activity.

Discussed during the meeting was the possibility of expanding and raising the quality of the MSM Humanities Department. Although MSM is essentially a school of science and engineering, the Council suggested that a possible means of achieving this goal would be to offer a degree in Humanities.

Another item of interest discussed was the possibility of having the free day at the end of the Christmas Vacation instead of before the Holidays as originally planned. This would give students time at home after New Year's Day and a chance to cooperate from the hectic holidays.

(Continued on Page 4)

Miner Editorials

The Miner Tradition: Preserve at What Cost?

During the folk-singing General Lecture the MSM campus was fortunate enough to witness last week, it was made painfully evident the conflict which exists between the history of this educational institution and what most students, even though they are "Miners," know to be acceptable, not specifically in a social sense, but purely to civilization as a whole.

Even in the aborigine culture there are certain things enough sacred to one member of the society, particularly his livelihood, that another will not tread on this territory without endangering his status as a fellow man, or just a live one. When a person is employed to give a performance, it is expected that he will give a good showing of his talents to those who have provided the funds. But this obligation stops when those patrons turn on the performer and make his performing such a burden that his very talent becomes humiliation to him.

In the display of discourtesy at the Hootenanny, the current flock of Miners confirmed for the entertainers that the old-fashioned crudeness of Rolla is not dead, and that the tradition of social ineptness has not changed in the school's ninety year history. But are these necessarily the customs we are trying to preserve? Is this the school spirit we want to keep alive?

The portion of the show after the young lady was forced to leave the stage gave the audience plenty of chances to laugh at suggestive material. But the fact that many felt a need to search it out of wholesome music shows a definite lacking and a striving for something each younger crop of students feels is inherent in this school.

Most girls visiting this school will say that they are treated with more respect and decency here than they find on their co-ed campuses. It is not a question of know-how on the Miners' part as to the procedures of etiquette; it is merely a conflict between the established lessons of hearth and home and the degree of uncouthness they feel they must maintain to be considered worthy of the school.

By following the dictates of common sense it shouldn't be difficult to preserve the Miner tradition in cases where this is called for, and to observe the growth and sophistication of the American educational system where this is necessary.

Letter to the Editor

Peace Corps at MSM!

Editor:

It was in the name of promoting mutual understanding between Americans and other peoples of the World that the Peace Corps program was initiated. Whether or not this program is part of a plan for political gain is not for us to decide, but we can say with confidence that it serves humanity. The United States stands uniquely for sympathizing with other nations with a deep sense of responsibility. The young but dedicated President of this young, prosperous nation and his government are providing many parts of the world with moral and material support through their aid programs, especially the Peace Corps.

Even though Americans, in general, support such schemes for aid to foreign nations, some of them do not take advantage of an even more direct opportunity to practice what they profess. Many do not feel the existence of a "Peace Corps" that couldn't be closer to them. This "Peace Corps" is the foreign student body in this country. A foreign student can play a very active role in what the Peace Corps was established to accomplish.

The attention, interest and thoughtfulness an American citizen can offer a foreign student is usually and normally magnified in the mind of the guest. A close relationship with many tolerant Americans would have a greater and more lasting impact on him or her than the educational benefits that he or she was offered in this country. By the same token, ignoring his or her existence and meeting him or her with indifference would distort, very much indeed, the picture that would be carried back to his or her homeland.

Considering the great number of foreign students in this country, and considering that the ideas of a native who experienced living amongst Americans would be most readily and unquestionably accepted by his or her people, this problem becomes a matter that should be thought of seriously.

Finally, there are, of course, a number of Americans at the MSM campus who are well aware of such facts, but there might be some who are not. For this reason, I call upon all our fellow American students who have not yet been interested in a foreigner or in his or her nation to try it. I am certain they would find no cause to regret it. Also I call upon all the foreign students to help their fellow American students to become interested in them and their respective countries. In doing this we would play our responsible part in one of the most difficult of world problems; that of mutual understanding between nations.

Farouk El Baz
President
Organization of Arab Student at MSM

Better Never Late!!

Editor:

A situation exists at MSM that deserves the attention of the readers. Some of the instructors find it necessary to hold class after the bell has sounded ending class. In many cases this is only a few seconds to give an assignment or finish an explanation, and no criticism is intended here. However, some instructors insist on keeping class 3 to 10 minutes after the bell has rung and in some cases this occurs every class. How can an instructor be critical of his students
(Continued to Columns 4 and 5)

The Reviewer's Stand

Billy Wilder, one of the screen's greatest producer-director-writers, who won an Academy Award in all three categories for "The Apartment" is likely to win new nominations for this delightfully nonsensical picturization of the Broadway and London stage success called *Irma La Douce*. The fame of the play which toured all key cities, plus Jack Lemmon, whose fine comedic talents have never been better displayed, and Shirley MacLaine as Irma, the Parisian street-walker, insure grosses of laughter and enjoyment.

Irma La Douce (Irma the Sweet) is a successful Parisian streetwalker who gives most of her earnings to Bruce Yarnell, her "mec" (protector) until Jack Lemmon, a naive young policeman has all the "girls" who frequent the streets and Lou Jacobi's cafe, arrested, not knowing that the police inspector is one of the girls' steady customers. Lemmon, of course, is fired from the force and soon takes up with Irma and becomes her new "mec". But, learning to love the girl, Lemmon becomes jealous of her regular customers and, with Jacobi's aid, he poses as a visiting Englishman who pays Irma a huge sum for one visit weekly. Irma no longer needs to entertain other men, but Lemmon has to work in the market daily to raise the sum of money for Irma. The situation becomes even more complicated when Irma becomes jealous of Lemmon's absences.

Wilder and I.A.L. Diamond have adapted the Alexandre Breffort play brilliantly, eliminating the song-and-dance interludes but satirizing the bawdy aspects and turning the film into a gay and rollicking romp. The dialog is naughty, but never offensive and the situations are laugh-provoking and laced with hilarious slapstick moments.

To sum up, *Irma La Douce* is a triumph for all concerned and it is a movie that no Miner should miss. It is the story of passion, desire and bloodshed—everything in fact, that makes life worth living. It will be shown at the Ritz Theater through October 22.

THE MISSOURI MINER

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.

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Editor-in-Chief Dave Blume
707 State Street—EM 4-2731

Business Manager Jim Boaz
500 W. 8th St.—EM 4-3787

Managing Editor D. F. John
Make Up Editor Greg Junge
Copy Editor Ken Kuebler
Features Editor Dale Brown
Advertising Manager Dave Riley
Circulation Manager Bill Farrell
Sports Editor Jim Weinell
Technical Advisors Gary Turner, Bob Fogler
Secretary C. Dunn

FIRST IN CONFERENCE

LETTERS (Continued)

for being tardy when he does not allow them time to reach their next class? This situation does not occur in all departments but unless attended to it might spread.

J. Hudelson

Life in These United States.

My wife and I were bowling at our neighborhood alleys on a Saturday afternoon. Four teen-age girls were using the lane next to ours, and after watching them for a few minutes my wife whispered, "Do you see anything unusual about those girls?"

I said they seemed ordinary enough. "Look again," she said with a smile. "Each one is wearing a different shade of eye make-up and chewing colored bubble gum to match."

—Herman S. Shear
(Detroit, Mich.)

We were battling five-o'clock traffic in downtown New York for the first time. Although we kept trying to turn, as the signs directed, "To Lincoln Tunnel," every attempt was frustrated by police officers. Finally, as yet another policeman waved us past a turn, my husband reached the breaking point. He stopped, thrust his head through the open window and shouted a few ill-chosen words.

The officer, noting our out-of-state license plates, began to laugh. "Take it easy, buddy," he said. "You can get in line now and wait two hours to get through the

tunnel. Or you can park your car, find a quiet little restaurant and relax for the same two hours. It won't take you any longer, and you'll feel a lot better." We took his advice.

—Pauline R. Karlsberg
(APO 162, New York, N. Y.)

When my friend's husband was redecorating his den, he decided it was a good place to display the awards and citations that he and his sons had won over the years. Up went his World War II battle ribbons, certificates from the YMCA and Cub Scouts, and many sports trophies. When he was almost finished he remarked to his wife that it was too bad she had no awards to contribute—whereupon she produced, neatly framed, their three sons' birth certificates.

—J. Gerr
(Norwalk, Conn.)

The voice on the telephone told me I must have dialed the wrong number.

"Are you sure?" I insisted. The stranger replied quickly "Have I ever lied to you before?"
—Michael Stern
(Bronx, N. Y.)

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The Suit is as important to your College wardrobe as the dictionary is to your private library. You don't use it all the time, but when you need it, there's no substitute for it.

Suits should be worn to Saturday night parties and dances that do not happen to require formal wear, also, to church and for important dates at out-of-town colleges.

The vested authentic natural shoulder suit is the most-accepted style in all colleges everywhere. In some colleges, notably the Ivy League or "ivy-type," it is the only accepted style — and there may be no departure at all from the authentic, conservative, soft-shoulder cut. Trousers have belt-loops and are worn cuffed. A newer way to wear suit jackets is to fasten only the middle button — leaving a slightly longer, more casual roll to the lapels. When you wear a vest, it may be buttoned all the way—or the bottom button may be left open, whichever is more comfortable.

The important thing in a suit — is FIT. Suits should fit trimly. Shoulders should be honest. Jackets this year should be worn on the slightly shorter, rather than longer side. But the too-tight fit, the ultra narrow look—is OUT.



Cincinnati U. Practices Co-op Program Exclusively

This is the first in a series of features dealing with other colleges and universities offering degrees in the various fields of engineering and science.

The College of Engineering of the University of Cincinnati operates on the co-operative system which was originated by the late Dean Herman Schneider. By this plan the practice of engineering is secured by the students in various branches of industry under actual working conditions, and the science underlying the practice is taught at the University. By the use of this program the student receives firsthand knowledge of the way industry operates, and he is given an actual test of his career interests and aptitudes.

The co-operative course is of five years' duration. Freshman students are required to attend school full time from September until April. They then enter upon the co-operative system and continue on that basis until the second half of their senior year when they return to school for full-time attendance until graduation. The students on the co-

operative basis are divided into two groups which alternate every eight weeks. During each eight week period one section is at the University and the other is on the job. Co-operative work is as much a part of the co-operative educational program as the academic work. There is a required work period for each co-operative school term. The satisfactory completion of these work periods is necessary to qualify for the Certificate for Co-operative Work Experience.

Often the co-operative assignment is in the industrial plant or commercial organization where the student continues his employment after education. The result is a profitable exchanging of one additional undergraduate year for two years of practical industrial training and experience.

The University makes no guarantee as to work or wages but uses every effort to place students to their best educational and financial advantage. The wages are paid directly to the students by the employers for the actual time on the job.

The College of Engineering offers co-operative courses for men and women in aerospace engineering, chemical engineering, civil engineering, electrical engineering, mechanical engineering, and metallurgical engineering.

National Teacher Exams on Feb. 15

College seniors planning to teach school will be able to take the National Teacher Examinations on February 15, 1964. This date for the annual nationwide administration of tests for prospective teachers was announced today by Educational Testing Service, a non-profit agency which also prepares College Board and graduate school admissions tests.

Scores on the National Teacher Examinations are used by many large school districts for employing new teachers, and by several States for granting teaching certificates, or licenses. Some colleges require all seniors preparing to teach to take the tests. Lists of school systems which use the examinations are being distributed by Educational Testing Service to colleges educating teachers.

Bulletins of Information containing registration forms and detailed information about the February 15 administration of the tests may be obtained from college placement offices, school personnel departments, or directly from: National Teacher Examinations, Educational Testing Service, Princeton, N. J.

Registration for the tests opens November 1, 1963, and closes January 17, 1964.

Deadline, Oct. 21 For P.t.P. Program

Monday, October 21, is the deadline for registering for this year's People-to-People Program, Larry Felice, chairman, has reminded students and faculty members.

The People-to-People committee serves as a central agency to bring together students who wish to become acquainted with local families wishing to entertain students in their homes. Students and families will be introduced at a tea at 6:30 p.m. October 26 in the Student Union Ballroom. (Please note change in time from 7 p.m. to 6:30.)

International students may register at the candy counter in the Student Union lobby or by contacting the president of one of the campus international organizations. Faculty members or American students wishing to participate should contact Larry Felice, 1608 Pine, Phone number 364-1113.

NEWS of the Week

Caribbean: Hurricane Flora mercilessly battered Cuba, Haiti, and the Bahamas, and claimed the largest number of lives of any storm on record before moving out into the Atlantic. In Haiti, the hardest hit, the death toll exceeded 4000, and over 100,000 were left homeless. Reports say the U. S. is in no danger at present.

Italy: Over 2000 persons are missing and presumed dead in northern Italy, the victims of a flood caused when a huge landslide fell into a reservoir lake and displaced hundreds of thousands of tons of water over the Vaiont dam. Observers report total destruction of five towns in the valley below the dam.

Russian Wheat Sales: President Kennedy approved the sale of about 200 million bushels of U. S. Surplus wheat to the Soviet Union on a "cash on delivery" basis. The President cited increased revenue (about \$250 million), reduced storage costs, jobs for shippers, and good propaganda as reasons for the move.

England: Prime Minister Harold MacMillan announced that he was stepping down from his office due at least partially to an illness which requires surgery and will incapacitate him for several months. The 69 year old executive has held office since 1957. Deputy Prime Minister Richard Butler is considered the most likely replacement.

Berlin: A 61-man U. S. Army

convoy was detained for 54 hours at the crossing into West Berlin by Communist border guards who tried to force the Americans to leave their trucks for a head count. The incident was the most serious since U. S. and Russian tanks stood muzzle to muzzle along the Berlin all in 1961.

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IBM Equipment Used For Blue Key Directory

Blue Key, as a voluntary service to the campus, is responsible each year for producing a directory embodying all the students, faculty members, and organizations at MSM. In the past, his booklet has listed the name, school address, and phone number of each entry. This year, however, due to the school's acquisition of new

IBM equipment, the fraternity has found it possible to broaden the scope of the directory, including each one's home address, home phone, year in school, and his curriculum.

This additional information should prove to be of advantage in a number of ways. Not only will it facilitate student correspondence during the summer and other school vacations, but it will also aid interviewers and adver-

tisers as a convenient reference in locating different individuals.

Although the electronic equipment has diminished the necessary completion time by two weeks, it still takes from two to three weeks to gather and process the data. Late registrations make it impossible to finish this phase any sooner, and the printers, who are busier than usual at this time of year, need at least two or three weeks more for publication. Finally, it takes at least two or three days for assembly and circulation. Due to these various reasons the student directory for 1963-64 is not yet available, but it is scheduled for completion within the next few weeks.

TAU BETA PI

(Continued From Page 1)

neer on the Mace missile program, serving until he took a leave of absence to pursue his doctoral work from 1958-60. During this time he served as a part time consultant on the Mace program.

Since he returned to full time assignments at AC in June of

1960, Dr. Delfeld has held responsible engineering positions in the research and development group and the BNS (Bombing Navigational System) Program.

Mr. Moore who as vice-President of Tau Beta Pi, installed the Missouri Beta Chapter of Tau Beta Pi at the Missouri School of Mines on December 21, 1906, will also be present.

PANEL INTERVIEWS

(Continued From Page 1)

Mr. Gray pointed out in the beginning why so many companies interview at MSM. He stated that we stand only behind Illinois, Purdue, Georgia Tech, and Newark College of Engineering in number of BS degrees awarded annually. His main topic was the "Interviewer's Ogligation to the Interviewee," which he covered well by outlining the Code of Ethics followed by recruiting officers: 1. Notify placement office as to categories of interest, 2. Have suitable literature available, 3. Make special requirements known, 4. Notify specific individuals in advance, 5. Avoid conflict with academic work, 6. Be punctual, 7. Follow schedule, 8. Make subsidiary connections clear, 9. Contact interviewees soon after interview, 10. Give sufficient time for employment decision, 11. Give details of interview trips, 12. Do not oversell, 13. Notify placement office of offers, 14. Use consistent practices, 15. Make employment offers in good faith.

Mr. Stephens rounded out the discussion. He expressed a desire for graduates to consider the economy and the industrial opportunities in the State of Missouri. Although we are 4th in the nation's engineering graduates, we export too many to the higher paying coastal areas, near graduate school and research areas. He split all industries into the headings Glamour and Non-Glamour, and pointed out that the average Cape Canaveral engineer is 24 years of age.

Under his topic of "The Long-range Program of Selecting an Employer," he said that in selecting a 'blueprint' for the future, factors such as reputation, management stability, advancement, stock market position, research ability, continuing education, group hospitalization, insurance, vacations, pension, credit unions, should be considered.

Dean Baker "summarized" each of the four panelists' discussions in a more or less humorous fashion.

When the floor was open to questions, Mr. Tracy answered a question on measuring a company's success. His measure was the amount of Research and Development funds, and their percentage of Sales Dollar. He stated, "Opportunity is a responsibility of the company; self-development is a responsibility of the employee."

A question regarding advance study directed to Mr. Stephens was answered by each panelist as to his company's program of study. These programs varied from a voluntary program paying partial funds for night school, to a full time graduate study on full work salary plan.

Other questions, concerning such matters as the draft, pertinent to the MSM student, were kicked around briefly before the panel closed shortly after 9 p.m.



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ON THE
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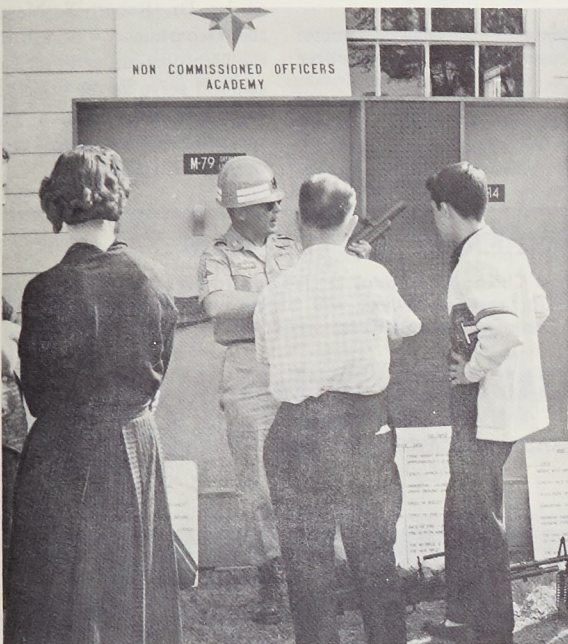
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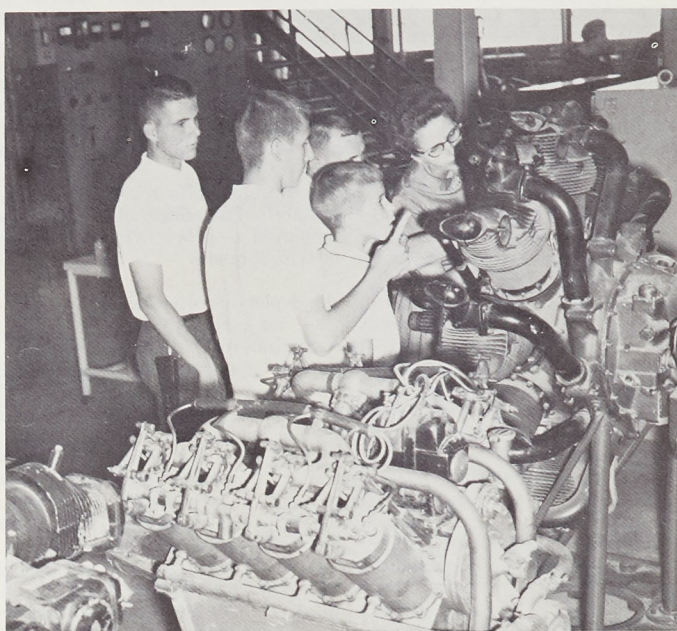
PARENTS' DAY - 1963



↑
DEAN BAKER . . .
receiving parents
at reception in
Student Union.



GRENADE LAUNCHER explained by Sgt. Marsh at Military display.



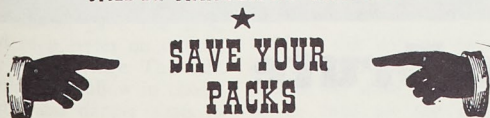
FUTURE ENGINEERS . . .
examine aircraft engine in ME Lab.

WELCOME STUDENTS

★ WIN ★

IN THE MARLBORO BRAND ROUND-UP CONTEST

RULES AND PRIZES TO BE AWARDED
WILL BE ANNOUNCED SHORTLY



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PHILIP MORRIS ★ PAXTON

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IBM, an Equal Opportunity Employer, offers you extensive training in the area of your special interest. ■ This training continues as you advance along a planned career path leading to professional or managerial positions. ■

We also have comprehensive company-paid benefits plans...training programs to keep you abreast of developments in your field...and a tuition-refund plan to give you financial assistance for graduate study. ■

on-campus interviews

See your college placement director to determine when IBM will interview on campus, and make an appointment to see our representative.

If the interview date is inconvenient for you, please write or call: ■ H. Strait, Branch Manager, ■ IBM Corporation, 314 E. Capitol Avenue, Jefferson City, Missouri, 636-8186. ■

IBM will interview October 22, 23. ■

MOVE AHEAD WITH DATA PROCESSING

IBM®

MINER FORUM

The Smoking Controversy: Pro and Con

PRIVATE RESTRICTION OF THE COLLEGIATE PRESS

Happily the immature students of campuses across the country are now free from one of the worst afflictions of man — Tobacco.

Early this summer the American Tobacco Company announced that it was withdrawing all advertising from college publications. Thus no more ads for "Luckies," Winston, Phillip Morris, Salem, and Viceroy also pulled out under pressure from the American Medical Association.

The Miner is not particularly bitter about the loss of a half of its advertising revenue. What bothers this scribbler, is that the AMA, the American Cancer Society and the U.S. Public Health Service, among others, can bring enough pressure to bear on supposedly free industry to almost force the withdrawal of this advertising.

Despite fragmentary evidence, there has been no proof of a relationship between tobacco consumption and any illness. The efforts of many skilled scientific researchers have been employed to prove that cigarettes cause everything from lung cancer to schizophrenia — and so far they have failed.

There are however, several sane notes in the deplorable situation. Max Schulman still is a highlight in the Miner,—not everybody has panicked and bowed before AMS's power. The withdrawal of ads does not stop the individual from making his choice, even if it does make that choice somewhat harder.

Some will miss the various contests sponsored as promotional stunts, some might even miss chuckling at the more ridiculous ads. All of this however is incidental. Since tobacco ads can't be run in newspapers aimed at twenty-year-olds we recommend that anybody who wishes to observe the efforts of Madison Avenue for the tobacco industry will now have to go to the television (aimed at retarded eleven-year-olds) in order to be informed about the latest innovations — like plastic boxes — in the tobacco industry.

stigma of improper discrimination.

It is also our pleasure to announce an International Fellowship picnic on 19 October, 2:00 p.m. at Frisco Pond.

Craig A. Valentine
President

Pres. Explains the International Fellowship

International Fellowship is an organization of peoples of all nations, North Americans as well as foreign students. As its purpose International Fellowship is dedicated to international understanding and as a forum for international problems.

In our next meeting 18 October in 107 Mining Bldg. at 7:30 we will hold elections of our officers for the coming semester.

In addition we will have as our guest speaker the Human Relations Council of Rolla who will speak on race discrimination as encountered in Rolla. This will be of interest to all since very few peoples or countries escape the

ANSWERS TO APTITUDE TEST

1. 13 hours.
2. No; they celebrate March 4th.
3. A Winston-Salem town law of 1622 forbids this.
4. Nothing; you are with a date.
5. Only February.
6. Three half hours.
7. 73 birthdays.
8. Cannot be deduced from the given information.
9. In God We Trust.
10. Depends on the dog and the woods.

LITTLE MAN ON CAMPUS



"CRIBS" HAVEN'T BEEN VERY SUCCESSFUL IN HERE EITHER."

New Coin-Operated Self-Service Laundry

7th and Rolla Streets

Open 7:30 A. M. Until Midnight

CONCLUSIVE PROOF OF MEDICAL HARM

Evidence has been steadily mounting since 1953 with virtually no contradiction that cigarettes are one of society's most lethal killers.

Correlation of the 45 fold increase in lung cancer victims and the increase in cigarette consumption and statements such as the American Public Health Association "If present trends continue lung cancer will claim the lives of more than 1,000,000 present school children in this country before they reach the age of 70 years" are but a small part of this incriminating evidence.

In the area of general health the American Cancer Society presented the following figures:

Percentage of American Men Aged 35 Who May Be Expected to Die Before the Age of 65

Non-Smokers	23%
Cigar and Pipe Smokers	25%
Cigarette Smokers:	
Less than 1/2 pack a day	27%
1/2 to 1 pack a day	38%
2 or more packs a day	41%

But what does this mean to us? It means we have been daily swindled. The watchdogs of society have sat back and let self-concerned businesses try to convince the young people of America that a filthy, lethal habit was the key to status and success.

Instead of pictures of people coughing their lungs out in hospitals, of tobacco breath, of the "shakes," television producers have allowed various cigarette manufacturers to show young robust couples, famous athletes or "thinking men."

Now college newspaper editors are complaining because cigarette manufacturers have withdrawn their advertisements from college papers.

This is ridiculous! Cigarette advertisements should be completely illegal. The overwhelming medical evidence shows that it is an evil which is taking more and more lives. This evil should not be fostered, but wiped out!

1964 ENGINEERING GRADUATES

The Inland Steel Company, East Chicago, Indiana, invites you to investigate our many career opportunities. Our representatives will be on your campus on Wednesday, November 6th. Contact Mr. Leon Hershkowitz for an appointment.



INLAND STEEL COMPANY
INDIANA HARBOR WORKS
EAST CHICAGO, INDIANA



The Brute

Mennen Spray Deodorant is rugged. Hard working. Long lasting. Delivers 3 times the anti-perspirant power of any other leading men's deodorant. That's right, 3 times the anti-perspirant power. Mennen Spray...in the handy squeeze bottle. What a brute!



M & T Chemicals Awards Fellowship To Ceramics Grad Student Patterson

Jerome D. Patterson, a graduate student in the Department of Ceramic Engineering of the School of Mines and Metallurgy, has been awarded an 11 month research fellowship by the M and T Chemical Company, it has been announced by Dr. T. J. Planje, Chairman of the Department. According to Dr. Planje, M and T Chemicals, Inc., a New York firm, has provided both a stipend for the fellowship and some funds for supplies and expendable items. The grant will be used for engineering development studies concerning refractories applications for zircon raw materials now produced by M & T Chemicals, Inc. He said that the grant was based on a proposal for research prepared by Dr. Robert E. Moore of the Department who will direct the investigation, and that Patterson will serve as the principal investigator in the research. Patterson will use work in this area toward his Ph. D. degree.

Greek News

"Sig Ep Around The World"

Sigma Phi Epsilon started off this Fall in fine fashion by romping and stomping at their first party weekend of the school year last Oct. 4-5. The occasion was the annual Pledge Class Dance, and, even though they were given short notice, the Sig Ep pledges masterfully planned and designed the decorations for the clever theme of "Sig Ep Goes Around the World." Pledges Dave Wolfersberger, Tom Cadwell and Don Vogt were in charge of making the ideas a reality, and it turned out the job was well handled. The exterior was marked by a colorful archway, with a globe suspended from its pinnacle, topped off with "Sig Ep Goes Around the World" in large red letters. Having their first party in their new annex chapter room, the Sig Ep's danced to the music of Be Bop Brown, against a most picturesque background of some of the world's prettiest places. Everyone who swung in that night, swung out fully entertained.

Party weekend hasn't been

Delta Sigma Phi To Pledge Ten More by Mid-Sem.

Delta Sig's new rush program has certainly paid off this semester. They have pledged 17 men and hope for at least 10 more before mid-semester. The new pledges are: Mike Bosch, Morris Safarrans, Terry Hobbs, Bob Brewster, Tom Saranita, Tony Raugut, Dennis Hanks, Keith Shipman, Andy Stratman, Ed Will, John Roderick, Rudy Eiserman, Bob Riley, Steve Redington, Dick Paul, and Tony Neely. With the addition of these new men, Delta Sig feels that the house will do nothing but grow and improve through the years.

October 5, was the weekend of Delta Sig's pledge dance at the Lions Den. The party was a complete success, but it only made the D.S.P.'s more anxious for Homecoming.

Everyone over at the Delta Sig house is looking forward to homecoming with great expectations. After placing second in the Homecoming display last fall, Delta Sig has high hopes for a first this fall.

"Dating, Courtship, And Marriage" At Newman Club

The second Newman Club meeting was held Oct. 10. The main discussions at the business portion of the meeting concerned various mixers in the near future, the initiation banquet, and a tentative day of recollection.

Father Boland gave the talk, his second of a series on dating, courtship, and marriage. This talk was on guides to follow in choosing a mate, and danger signs to be careful of.

All those interested in the Newman Club and have not yet joined are encouraged to come to the meetings.

the only thing that's a winner at Sig Ep. Their intramural teams have also been turning in consistently fine performances so far this year. Led by quarterback Marty McGrath, and backs Jim Boaz and John Mitton, the flag football squad has so far compiled a 3-0 season mark, and are shooting to go all the way in intramural competition. While the football hits the gridiron, Bill Wood is breaking out his tennis racket and setting back foe after foe. Bill has compiled a 4-1 record and seems to be improving all the time. Bill's brother Bud was finally eliminated but not until he had compiled a 4-2 overall mark.

Bennett, Barton New Sig Tau's

The Sig Taus have started off the year in fine shape with the acquisition of a promising pledge class and the return of many young members. Two new brothers, Dan Bennett from Bloomfield, Mo. and Dave Barton from St. Louis, Mo., were activated last weekend. The ceremonies were brought to a close with a banquet dinner served by the pledge class.

The big news of the past week has been the reception of the gradepoint trophy which was earned by the house last semester. The presentation of the trophy was made to president Bill Becher

BSU Outlines Semester Events

The start of another school year brings about new and interesting activities at the BSU center. This weekend, October 18-20, is the first Missouri Student Missions Conference to be held at the midwestern Baptist Theological Seminary in Kansas City.

Among the outstanding speakers will be Bill Lawson, pastor of the Wheeler Avenue Baptist Church in Houston, Texas. Mr. Lawson is well known as a speaker among student groups and one of the key speakers at the Baptist World Youth Conference in Beirut, Lebanon, in July. Rev. Lawson is also known as one of the prominent negro leaders in our country.

The BSU is sponsoring a nurses party October 26, in conjunction with the Missouri Baptist Hospital in St. Louis. A list is available at the BSU center for you to sign.

Among the up coming events at the BSU is the most essential to the effectiveness of the BSU, Freshman Council Election October 29-31. Freshmen take notice, come and find how you may take part in BSU. Why a Freshman Council? Its goal is to train students for leadership and responsibility in the functions of BSU.

Mark this date on your calendar November 8-10. This is the date of our state BSU convention, to be held on the campus of William Jewell College, Liberty, Mo. This convention, which is held annually, promises to be the best. Stop in at the BSU center for more information.

AIChE

OUTING

The next regular meeting of the American Institute of Chemical Engineers is scheduled for Wednesday October 23. At this meeting final plans will be made for the fall outing October 26. A newly formed organization, "The Chemical Engineering Instructors' Touch Football Team," challenged the student chapter to a game at the outing. The Football game promises to be the highlight of the day. Other topics at the meeting will be plans for the Regional Meeting of Student AIChE chapters at Washington University coming up in December.

The speaker for the October 23rd meeting will be Dr. Allen Bowman from the Los Alamos Scientific Laboratories talking on "High Temperature Materials".

at the last I. F. C. meeting. Already the members are seeking a repetition of this achievement for the current semester.

The members were gratified to see so many parents take part in the Parent's Day activities. The day provided an excellent opportunity to acquaint the parents with the house and its members.

New Members and Officers at Sig Pi

Things have started settling down to normal at the "big white house." The new addition is nearing completion, which will add badly needed room, and also the main house has obtained a new coat of paint.

On Saturday, Sept. 28, Sigma

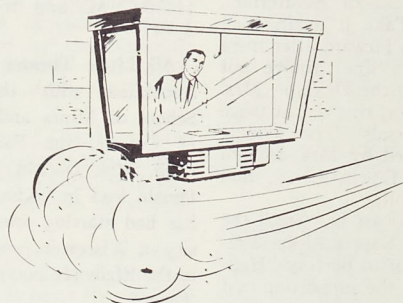
Pi formally initiated four new members. The new brothers are: Chuck Luke of Rush Hill, Mo.; Chet Adamick of Auburn, Mass.; Rafeal Rojas of Caracas, Venezuela; and Mel Sutherland of St. Louis.

Officers for this semester are: Ralph Wink, president; first counselor, Ken Masters; second counselor, Tom Johnson; third

counselor, John Dierker; fourth counselor, Bernie Ebert; and Roger Ubaudi, Herald.

On Saturday night, a party that ended all too soon, left everyone looking forward to Homecoming. Dean and Mrs. Baker and family along with the Registrar and his wife, Mr. and Mrs. Robert Lewis, were guests at Sunday dinner.

SPLIT-SECOND SERVICE?



Well, almost. Our quick Drive-in Banking service could hardly be easier for you. So convenient, too. No parking problems ever. You simply drive in, make your deposit or withdrawal right from your car—and off you go! Try it!

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in shoe styling,
shoemaking, and shoe
wearing—for the
man who never settles for less
than the very finest!

William's Shoe Store

Lorey and Wolf to Star In "King of Hearts"

With opening night in two weeks, members of the cast of Jean Kerr's comedy "King of Hearts," are busy rehearsing and perfecting their performances. Jean Kerr, perhaps best known for her book "Please Don't Eat the Daisies," is currently represented on Broadway by her play "Mary, Mary."

The play is being presented by the Coterie Little Theater October 25th and 26th at 8 p.m. in the Junior High School Auditorium.

Calls of "Take it again from Act II"; "step forward after these lines"; "that's fine, you've got it," spoken by the Director, Mrs. Paul D. Proctor, ring out at twice weekly rehearsals. The leading roles are played by Mrs. Donald J. Siehr, G. Edwin Lorey, and Robert V. Wolf.

New to the cast is "Gus," the mascot of Pi Kappa Alpha Fraternity, on loan to portray "Happy," a dog. In the supporting cast are Mrs. George Baumgartner, Arthur Brownlow, Mrs. Robert Britten, Major John R. Short, Jr., and two eleven year old boys, Lance Leitner and Dennis Richards.

Working on the set are Mr. and Mrs. S. J. Pagano, Mr. and Mrs. Earl F. Richards and Mr. John (Mike) Vickers. Responsible for

properties are Mrs. C. R. Remington, Jr., Mrs. V.A.C. Gevecker and Mrs. Donald Evans. Mrs. Frank Gerig will do make-up and Mrs. Robert Britton is the Prompter, assisted by Mrs. Archie Culp.

Tickets, which are \$1.00 for adults and \$.75 for children and students, are available now from members of the cast. From October 1st to October 24th tickets will be sold in the Lobby of the MSM Student Union from 9:20-11:30 A.M. and from 1:30 to 3:30 P.M.

All Little Theater players are associated with the Missouri School of Mines and Metallurgy or Coterie, the Faculty Wives Club. Mrs. Donald J. Siehr, the female lead in "King of Hearts" has had starring roles in University of Wisconsin productions and in the Elgin (Illinois) Community Theater.

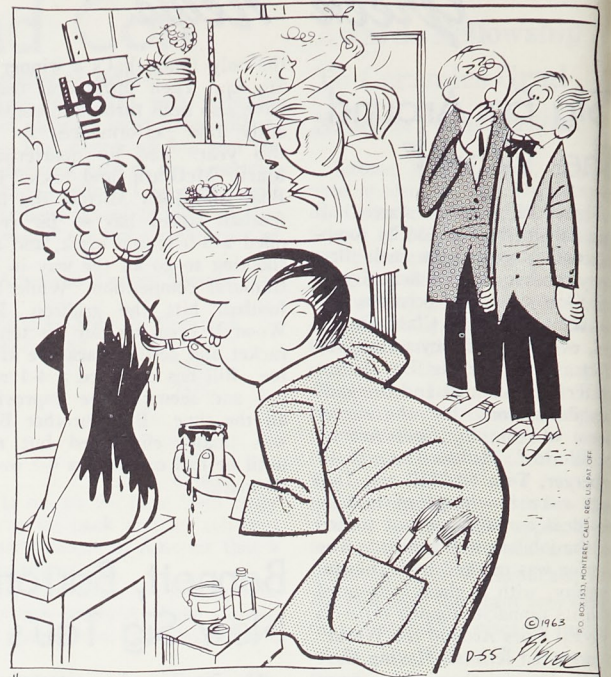
Major Northcutt Presented Award By Military Dept.

Major Maurice L. Northcutt, 303 East 9th Street, was presented a Certificate of Achievement in a ceremony at the Missouri School of Mines and Metallurgy Military Department on Wednesday, October 11. The presentation was made by Colonel Glenn R. Taylor, Professor of Military Science.

The citation for the award read, in part: "Through his outstanding ability as instructor, his exceptional drive and his unstinting efforts to improve student and faculty relations with the Reserve Officers Training Corps, Major Northcutt has materially raised the efficiency of the Detachment and its prestige in the eyes of students and faculty at the Missouri School of Mines and Metallurgy."

Major Northcutt is currently pursuing graduate study as a Student Officer.

LITTLE MAN ON CAMPUS



"POOR IN SCULPTURE, CRAFTS, AND DRAWING — HIS ONLY REAL TALENT SEEMS TO LIE IN PAINTING NUDES."

THE BELL TELEPHONE COMPANIES SALUTE: BOB DuBOIS

Bob DuBois (B.S.E.E., B.S.B.A., 1957), Senior Engineer, Transmissions Group for Southwestern Bell in Topeka, Kansas, is part troubleshooter and part prophet.

Bob's job is to maintain the standards of excellence in voice and data transmissions in Kansas. He must predict where trouble might occur so that preventive maintenance procedures can be set up to offset the problem.

As a member of the Transmission and Protection Group, he studies the design and uses of communications equipment ranging from the telephone to complex microwave units.

On earlier assignments Bob was an assistant engineer in inventory and costs, equipment engineering and special projects. After being named senior engineer, he was selected to attend a 12-week comprehensive course at the Bell System's Data Communication Training Program, Coopers-town, New York.

Bob DuBois, like many young engineers, is impatient to make things happen for his company and himself. There are few places where such restlessness is more welcomed or rewarded than in the fast-growing telephone business.



BELL TELEPHONE COMPANIES

Prof. Davidson to Head Fallout Course

Professor Robert F. Davidson, Chairman of the Department of Mechanics of the Missouri School of Mines and Metallurgy, has been named to direct a thirteen week course in Fallout Shelter Analysis for architects and engineers in the Little Rock metropolitan area. Dr. James L. Kassner, Jr., of the School's Department of Physics will also lecture during the course.

The course, to be held from November 1st through January 31st, with classes each Friday evening, is sponsored by the Department of Defense—Office of Civil Defense, in cooperation with the Little Rock Civil Defense Office. The thirteen weekly course sessions will be the equivalent of the intensive two-week Fallout Shelter Analysis Courses previously offered at both service schools and universities. Course content includes studies of nuclear weapons, protection factor, dose and dose rates, and biological effects.

Prior to being named as director for the course, Professor Davidson stated that students admitted to the course must be licensed architects or engineers, or hold accredited degrees in those areas. The purpose of the course is to aid persons connected with building construction in planning each structure so that an optimum degree of fallout protection is provided. In some cases, he said, students who are seniors in accredited architecture or engineering courses will be admitted to the course. Except for the students, persons completing the course will be certified by the Department of Defense as qualified Fallout Shelter Analysts. Students will receive certification upon graduation.

TELEPHONE MAN-OF-THE-MONTH



IEEE Holds Two Meetings; Elects Chapter Officers

The MSM Chapters of the Institute of Electrical and Electronics Engineers has held two meetings thus far this term.

On Thursday, September 19, the initial meeting was held at 7:00 P.M. in room G-6 of the Chemical Engineering Building. The speaker for the evening was Dr. A. C. Beiler from Lima Aerospace Division of Westinghouse Electric Corp., Lima, Ohio. Dr. Beiler's talk, entitled "Sources of Recent Engineering Developments", covered Electrical Engineering's joining of forces with the fields of Astronomy, Medicine, Metallurgy, and Physics. Special topics of interest were Lasers, Superconductivity, Moletronics, and Energy Sources and Conversions.

A talk by Leonard J. Linde, Director of Engineering, Electrical Transmission and Distribution Division of Allis-Chalmers Manufacturing Co., was the focal point of the Wednesday, October 2 IEEE meeting and Electrical Engineering Mixer in the Student

Union Ballroom, was, in essence, an extremely interesting challenge to future as well as present professional engineers to conceive new methods in their work rather than to merely practice established methods.

The IEEE chapter officers for this year, Chairman Robert Unternahrer, Vice-Chairman Glenn Rahmoeller, Secretary Henry Fischer, and Treasurer Myron Gruber, capably led by faculty sponsor Dr. R. D. Chenoweth, are working hard to obtain outstanding speakers for the meetings, as is evidenced by the high quality of the aforementioned two speakers.

Speakers at IEEE meetings often cover new topics in Electrical Engineering and related fields which no available course material covers and possibly about which no reference books have been published. For the conscientious EE student, IEEE membership is then highly advantageous academically as well as for the opportunity to become personally acquainted with the instructors. EE majors, especially juniors and seniors, are urged to contact Phil Carter, Dave Skitek, Garry Brunner, or Alex Aderer concerning any questions about membership. Memberships may be purchased in the EE Office or at the next meeting, which will be held on November sixth.

Seven Students Receive ASTM Award

Kenneth E. Buttry, James L. Hill, Grover D. Morgan, Warren R. Needels, Michael F. Simmons, Graham G. Sutherland, and Tran Khanh Van, students at the University of Missouri, Rolla Campus School of Mines and Metallurgy, will receive the Student Membership Award from the American Society for Testing and Materials—an international nonprofit, technical, scientific, and educational society devoted to "... the promotion of knowledge of the materials of engineering, and the standardization of specifications and methods of testing"—during the ASTM Mississippi Valley District Meeting on October 17, 1963, at the Engineers Club of St. Louis Auditorium, 4359 Lindell Boulevard, St. Louis, Mo.

Dr. Hopkins Leads First Seminar

The first of this year's Physics Seminars was held Thursday, September 26, in the new Physics Bldg. It was conducted by Dr. Don C. Hopkins, who discussed the research at Oak Ridge, Tenn. now in progress concerning High Field Super Conductivity. Before entering the meat of his talk, Dr. Hopkins stated the three main areas of research at Oak Ridge: They are: Metallurgy, The Solid State, and Thermonuclears. He also noted the individuals responsible for each of these areas.

Getting to his topic, Dr. Hopkins first stated that the following two factors increase H.F.S.C.: alloying elements, and physical deformation. Next he stated the two major theories that have been set forth as an explanation of these effects. They are: The Filamentary Model, and The Negative Surface Energy Model, with passing of Flur Quota. Before concluding, Dr. Hopkins discussed the good and bad qualities of both of these theories.

MSM Students at Phys. Conference

Delegates from 10 colleges and universities are expected at a regional conference of Sigma Pi Sigma, physics honor society, on Oct.

18-19 at Fort Hays State College.

Dr. L. W. Seagondollar, professor of physics at the University of Kansas and national president of Sigma Pi Sigma, will speak.

Member schools expected to send faculty and student representatives are William Jewell College, Liberty, Mo.; Morningside College, Sioux City, Iowa; Nebraska Wesleyan University, Lincoln; South Dakota State College, Brookings; University of South Dakota, Vermillion; University of Missouri School of Mines, Rolla; University of Kansas; Wichita University; Washburn University of Topeka; and Fort Hays State.

The conference will open with a 5 p.m. dinner in the Memorial union Oct. 18. A visiting physicist, sponsored by the National Science Foundation and the American Assn. of Physics Teachers, will speak.

The morning of Oct. 19 will be devoted to a business session and student research reports, with Dr. Seagondollar's address scheduled that afternoon.

Two FHS physics faculty members, Doyle Brooks and Maurice Witten, and Lawrence Pfortmiller, Natoma junior who is president of the local chapter, are in charge of conference arrangements. Sessions will be held in Albertson Hall.

UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Fri., Sat., Sun., Mon. Oct. 18-21
Sunday Continuous from 1 p.m.

'A New Kind of Love'
Paul Newman &
Joanne Woodward

Tues., Wed. Oct. 22-23
Kiwanis Minstrel

Starts Thursday, Oct. 24
One Showing Nightly at 7:00
Feature Begins at 7:40
Admission: Adults 75c —
Children 35c

'55 Days at Peking'
Charlton Heston & Ava Gardner

ROLLA DRIVE IN
SHOWS START AT 7 P.M.
LAST 2 DAYS

3 BIG FEATURES
Come Early and Stay Late . . .
Late . . . Late!!!

Fri., Sat. Oct. 18-19

'It Happened in Athens'
Jayne Mansfield & Trax Colton

—PLUS—
'Burn Witch Burn'
Janet Blair & Peter Wyngarde

—PLUS—
'Air Patrol'
Willard Parker & Merry Anders

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ALFRED HITCHCOCK'S

'The Trouble With Harry'

Edmund Gwenn & John Forsythe

—PLUS—

'Hot Spell'

Shirley Booth & Anthony Quinn

Moon Mullins

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Except Monday
at 7:30

Sunday Matinee
at 1:30

ROLLA ROLLER RINK

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Missouri Miner Awarded Second Class Rating

Each year the Associated Collegiate Press, ACP, ranks most of the major college and university publications in the nation through the ACP Critical Service.

This service offers constructive criticism to these papers and rates them in one of five classes: All-American, First, Second, Third, or Fourth Class. The judges for this service are professional newspaper men and women and persons with extensive background in publication work.

Each publication is analyzed and rated in its own classification. It is judged in comparison with those produced by other colleges of approximately equal enrollment, by similar method of publication and with the same number of issues per semester.

The ACP has certain basic standards for coverage, writing and physical properties which must be met to earn honors. Judges are encouraged to give bonus scores for papers showing unusual imagination and initiative, within the bounds of sound journalism.

Every effort is made to judge publications on the effectiveness

with which they serve their individual colleges. Each paper is judged in comparison with other college papers - not in comparison with some mythical "perfect" paper, nor with metropolitan publications, whose purpose and techniques differ in many respects from a collegiate paper's.

Last year the *Missouri Miner* was given a Second Class rating by the ACP Critical Service. This year the Miner staff is striving to improve upon last year's weak points while keeping its high rating on last year's strong points in hopes of gaining a first-class rating from the ACP.

Student Union To Offer Series Of Bridge Lessons

Are you interested in learning bridge or improving your bridge game? You will have the chance.

The Student Union recreation committee, along with several faculty members, has offered to sponsor a series of bridge lessons on all phases of bridge: beginners, those who have no knowledge of the game; intermediates, those who know the basics and have played; and advanced, those who have considerable skill in playing the game.

However, before the lessons can be started, it is necessary that the committee obtain a general

idea of the number interested. A sign up test will be posted today, Oct. 18th, in the Student Union. If you are interested, be sure to sign up, indicating the group you are in and the day you would prefer the lessons be given.

These lessons are not for students alone. All student's wives, faculty members and faculty wives are invited to sign up for the lessons.

There will be no charge for the lessons. This is a service of the Student Union Organization.

NOTICE!

All MSM Student Wives are invited to attend the University Dames' meeting, Thursday, October 24, at 7:30 p.m. in the Student Union Ballroom.



On Campus with Max Shulman

(By the Author of "Rally Round the Flag, Boys!" and "Barefoot Boy With Cheek.")

ONCE MORE UNTO THE BREACH, DEAR FRIENDS

Today I begin my tenth year of writing this column in your campus newspaper. Ten years is a long time; it is, in fact, what some scholarly people like to call a decade—from the Latin word *deccum*, meaning the floor of a ship. It is, to my mind, remarkable that the Romans had such a word as *deccum* when you consider that ships did not exist until 1620 when John Alden invented the Mayflower. Alden, a prodigiously ingenious man, also invented the ear lobe and Pocahontas.

Ships were a very popular mode of travel—especially over water—until 1912 when the Swede, Ivar Krueger, invented the iceberg. Krueger also invented the match, which is a good thing, because without the match, how would you light your Marlboro Cigarettes? I cannot overstate the importance of lighting your Marlboro Cigarettes, for Marlboro Cigarettes, unlighted, provide, at best, only limited smoking pleasure.



You might even call it the limp or spongy sell

I mention Marlboros because this column is an advertisement, brought to you through the school year by the makers of Marlboros. Marlboros come in soft pack or Flip-Top box. The makers of Marlboros come in dark suits with thin lapels—except on weekends when they come in yoke-neck jerseys and white duck trousers. White ducks come in flocks. They are primarily fresh water dwellers, although they have been successfully raised in salt water too. Another salt water denizen I'm sure you will find enjoyable is plankton—a mess of tiny organisms like diatoms and algae and like that which float sluggishly near the surface of the sea. It is ironic that these creatures, microscopic in size, should supply the principal source of food for the earth's largest animal, the whale. Whales, I must say, are not at all pleased with this arrangement, because it takes the average whale, eating steadily, 48 hours to gather a day's meal. This leaves them almost no time for water sports or reading Melville. It is a lucky thing for all of us that whales are unaware they are mammals, not fish, and could, if they tried, live just as well on land as in water. I mean, you add ten or twelve million whales to our Sunday traffic and you would have congestion that makes the mind boggle.

But I digress. Today, I was saying, I begin my tenth year of writing this column for Marlboro Cigarettes in your campus newspaper. I will, in each column, say a few kind words about Marlboros—just as you will, once you try that fine tobacco flavor, that pristine white filter, that supple soft pack, that infrangible Flip-Top box. These references to Marlboro will be brief and unobtrusive, for I do not believe in the hard sell. What I favor is the soft sell—you might even call it the *limp* or *spongy* sell. I hasten to state that the makers of Marlboro in ten full years have not once complained about my desultory sales approach. Neither have they paid me.

But that is of small consequence. Aside from fleeting mentions of Marlboro, this column has another, and more urgent, mission: to cast the hot white light of free inquiry upon the vexing questions that trouble college America—questions like "Should the Student Council have the power to levy tariffs?" and "Are roommates sanitary?" and "Should housemothers be compelled to retire upon reaching the age of 26?"

Perhaps, reasoning together, we can find the answers. Perhaps not. But if we fail, let it never be said that it was for want of trying.

I thank you.

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The makers of Marlboro are happy to bring you another year of Max Shulman's unpredictable and uncensored column—and also happy to bring you fine filtered Marlboros, available in pack or box, wherever cigarettes are sold in all 50 states.

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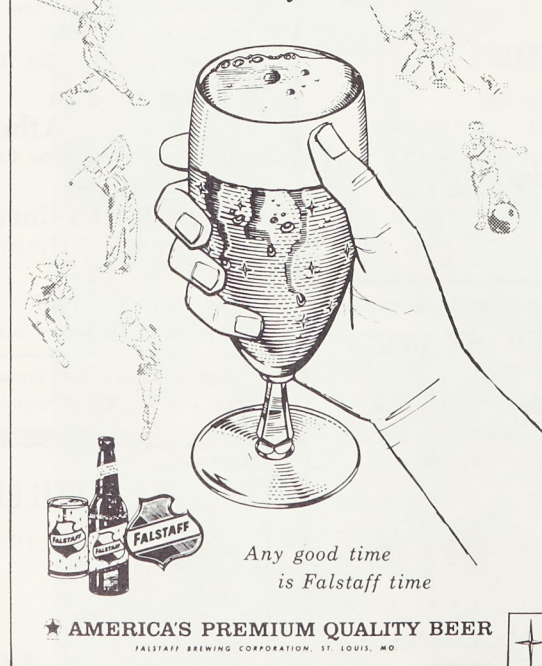
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MUELLER DISTRIBUTING CO.
Rolla, Mo.

Army Medal Presented to Capt. Fred Cole

Captain Fred V. Cole, 109 East 12th Street, was presented the Army Commendation Medal in a ceremony at the Missouri School of Mines and Metallurgy Military Department on October 11. Captain Cole was awarded this honor by the Commanding General, Eighth United States Army, Korea, for meritorious service as Commanding Officer, 161st Engineer Company, 4th United States Army Missile Command (Air Transportable) from July 14, 1962 to July 17, 1963. The award was presented by Colonel Glenn R. Taylor, Professor of Military Science.

The citation with the award read, in part: "Captain Cole demonstrated initiative, resourcefulness, and professional competence in leading his unit to numerous exemplary achievements. So successfully did Captain Cole effect the integration of Republic of Korea Army Engineer Company members with those of his own unit that the action proved beneficial to all concerned and official commendation was received from the Eighth United States Army, the First Republic of Korea Army and the Korean government. In addition to his duties as Commanding Officer of the 161st Engineer Company, Captain Cole served as Post Engineer for Camp Page, with a subsequent improvement in the appearance of the compound. His judicious use of troop labor resulted in substantial monetary savings for the Eighth United States Army and for the United States Army as a whole."

Captain Cole holds the distinction of having been a Student Officer at MSM immediately prior to his departure for Korea and then returning from there for assignment with the MSM Military Department. He attained a Bachelor of Science Degree in Civil Engineering from MSM in the spring of 1962.

MINERS DEFEAT CAPE "19-14"

MINER SPORTS

FRIDAY, OCTOBER 18, 1963

THE MISSOURI MINER

PAGE 11

Miners Prepare for Tough MIAA Battle with Kirksville

The Missouri Miners will attempt to secure their second conference win of the 1963 football season Saturday, when they travel to Kirksville for a battle with the Northeast Missouri State Bulldogs. Coach Bullman's charges will be seeking revenge for the 40-0 setback handed to them during last season's schedule.

In a game played last Saturday, Kirksville waxed Warrensburg by the score of 49-0. The Bulldogs amassed a total of 36 points in the first half.

Last year, Kirksville was second only to Cape in MIAA standings, and the squad came in first as far as all games were concerned. Although coach Maurice "Red" Wade lost 10 lettermen through graduation during the past year, he expects to receive

a great deal of help from his strong line of freshmen.

The leading passer for the Bulldog team so far this season, is Shane Cavanah. Cavanah, with 14 completed out of 35 attempted passes for four games, was their top signal-caller in 1962. Second to Cavanah in passing is Paul Comer, a freshman who was connected on 10 out of 26 passes.

Wingback Mike Richardson is considered one of the Bulldogs' most valuable men. He has scored 18 points up until the Warrensburg game, and he was considered one of the best MIAA freshmen in 1962.

Kirksville had five men on the MIAA All-Conference first team last year and two of them are returning this year including tackle Dave Grants.

This strong Bulldog squad will find itself up against a powerful opponent tomorrow, if the Miners put on a fine show as they did for the parents last Saturday. The Silver and Gold are off to a flying start in Missouri Intercollegiate Athletic Association play. Lets give them all the support possible and keep the ball rolling in the direction of MSM.



Gary Couse breaks through and scores.

Wheeler and Couse Lead MSM to First MIAA Win

By Tom Johnson

A capacity Parents' Day crowd saw the Missouri Miners' defense stop a Cape drive time after time, as the Silver and Gold of MSM upset Southeast Missouri State, 19-14. They also saw Bob Wheeler and Gary Couse lead the team to its first victory of the 1963 gridiron season.

Wheeler, a Sophomore quarterback who replaced the injured Jay Alford in the offensive lineup, kept the team moving well against the Cape defense. The Miners moved unusually well on the ground in this game. In the first half, all first downs made by the Miners were made by rushing. In

ball to midfield where the Indian defense held. The Punt by the Miners went out of bounds on Cape's 16 yard line. Cape moved to a first down on their 28. Then Jay Alford, able to play only defense because of an injured hand, intercepted a pass and moved it to Cape's 25. After exchanging ends for the second quarter, the Miners fought their way to Cape's 5 yard line for first and goal. From there Gary Couse rammed through the line for the first score of the game. Bob Leone's PAT try was perfect and the Miners led 7-0!!!

Leone's kickoff was brought back to the Indians 34 yard line. With Wayne Stevens and Norm Dockins doing the heavy work, Cape moved to the Miner 13. There the MSM defense made a great effort and held the Indians for four downs. From their own 13, the Miners moved on the ground for two first downs to the 49 for Cape. Then Cape held and forced the Miners to kick. The Indians took over on their own 31. On a 17 yard pass play, Cape moved for a first down. Fullback Dockins moved through the Miner line for another first down. Then Cape fumbled and the Miners recovered on their own 40. Wheeler ran for a first down as the half ended. The Miners led 7-0 at the half.

In the first half the Miners gained 104 yards rushing to Cape's 94 yards. The Miners tried three passes, completed one and had one intercepted. Cape completed one of seven and had one intercepted.



Gasparovic vs. Indian

The Indians kicked off to begin the second half. After making a first down, the Miners were stopped and forced to punt. The kick was a good one once again putting Cape with their back to the wall on their own 11. The defense of MSM again stopped Cape and forced a kick. After another exchange Cape took over on their 29 and began to move. After making two first downs a long pass to Stevens moved the ball to the 9 yard line of MSM. From there, a pass to Hanners scored the T.D. The PAT was good, making the score 7-7.

The Miners, however, were not to be denied. They took the kickoff and began a march toward the Cape goal. With Couse, Erxleben and Gasparovic alternating on runs, the Miners moved to Cape's 5 yard line. Three plays later, Couse punched through for the touchdown. The PAT was blocked, so the score was 13-7.

Leone's kickoff went into the end zone. Cape took over on their own 20 with 8 minutes to go. After an exchange of punts, Cape took over on their 36. They moved

(Continued on Page 12)

Kappa Sig Triumphs in Intramural Cross Country

By Dexter Hawk

Cross Country, an excellent test of physical endurance, was run on the MSM golf course at five o'clock on Friday October 11. Although the previous record was not broken, the race proved to be exciting.

Each organization which entered was allowed two runners. The course is one and nine-tenths miles in length and the record is held by Creig Dunn of Sigma Phi Epsilon at ten minutes thirty-seven seconds. This years winner is B. Bluber of Pi Kappa Alpha. Listed



Intramural Cross Country off and running.

below are the first ten organizations in order of finish.

1. Kappa Sigma
2. Tech Club
3. Pi Kappa Alpha
4. Fifty-niners
5. MHRA
6. & 7. Sigma Pi
8. Engineers Club
9. Shamrock Club
10. Lambda Chi Alpha

For the last four years the Intramural Cross Country has been run on the MSM golf course. Previous to 1959 this intramural sport was run during the half time of the home-coming football game. The course started on the straight away cinder track in front of the football stand and after one and one-laps continued around the campus and back to the football field. The length of this course was one and one fifth miles.

(Continued on Page 12)

Miners Over-run Westminster; Lose to Lincoln

The MSM cross country squad started off its season with a victory on October 9, as they downed Westminster of Fulton by the score of 23-38. Then on Saturday, October 12, Lincoln University paid a visit to the MSM campus, handign the Miners a 30-27 loss.

At Westminster, the opposition placed men in the first and fourth positions, but the visiting Miners took the remaining spots. Claude and Sanders were the two Westminster men.

Bacon came in second in the 3 mile run for the Miners. Winchester took third place, Mike Stieffelman fifth, Jim Dowdy sixth, Lee seventh, Baugard eighth, and Carter ninth.

When Lincoln came to Missouri School of Mines, it was a difficult contest.

(Continued on Page 12)

SIDELINES

By R. J. Stewart

The wake of the Parents Day '63 football upset by the Miners over the defending champions from Southeast Missouri State will long be remembered by those who follow the autumn classics. The 19-14 last second upset was produced by a previously downtrodden team which had lost its first four contests this season.

This recent Miner victory is a tribute to the effort deplacied by the members of the Miner squad and counseling staff. Satisfaction of playing the game is and has been the chief asset in Miner squads. Our athletic teams have been composed of men who were instilled with a spark of overt sportsmanship. Miner squads run on seepage from the vital fluids which motivate a good engineer. Even though team support lacks periodically, as this year our teams are without cheerleaders, our teams have carried the silver and the gold with self-determination satisfactorily.

Let us hope the spirit displayed before a Parents Day crowd will be bolstered through athletic scholarships, the same vital self determination and self satisfaction of teams of the past and present can be injected into the teams of the future.

MSM Rifle Team Opens Season Against Wash. U.

The Missouri School of Mines and Metallurgy Varsity Team will be starting off a new season this Sunday by journeying to St. Louis to take on the Washington University Rifle Team in a shoulder to-shoulder match, according to Colonel Glenn R. Taylor, P. M. S.

All of last years top shooters will be back for another year and will make the Missouri School of Mines squad a hard team to beat. Returning squad members are: Robert Hall, Lloyd Bingham, Carl Steib, Ron McCauley, Jim O'Neal, Theodore Moore, David Elliott, Randy McDonough, Paul Winkle, Kent Schweiger, and Mike Holkenbrink.

(Continued on Page 12)

MEET THE MINERS

By Dan Kaspar

Senior tackle Keith Bailey provides MSM with one of the most versatile athletes in its annals.

At six feet five inches in height and 235 lbs., Keith is a stalwart in the Miners' line. Add this size to four years of experience, and the result is one of the better linemen in the conference. Keith and senior tackle Ken Smith anchor the Miners' line and provide a potent tandem at the tackle slots.

Besides his athletic accomplishments, the Carrollton, Missouri, senior has proved his versatility by accruing an impressive list of honors.

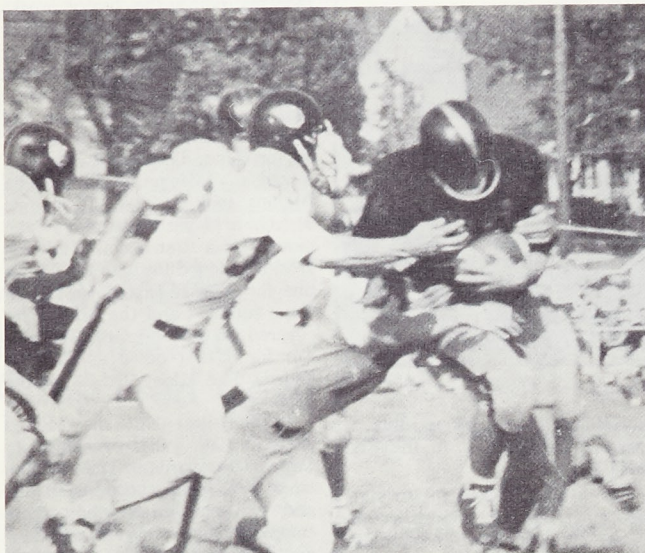
At present Keith, whose major is Mechanical Engineering, is president of the St. Pat's Board and secretary of Lambda Chi Alpha fraternity. He is former president and vice-president of Theta Tau Honorary Fraternity and

A. S. M. E. and former vice-president of the M-Club. Keith has also served as a St. Pat's guard.



KEITH BAILEY

With Keith's excellent record to date and with favorable indications for the year to come, the coaching staff expects him to have his best year yet — both on and off the field.



Miner stopped at five yard line.

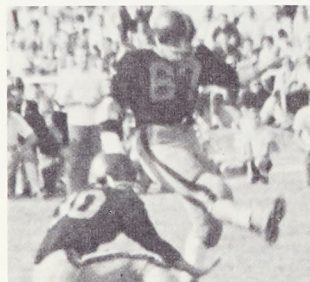
MINER VICTORY

(Continued From Page 11)
ed for a first down on the ground; then a long pass to Stevens gave Cape a T.D. and a tie score. The all important point try was no good but a Miner was offside. The second time the kick was good and Cape led 14-13.

Many of the fans considered the game lost, but the Miners didn't give up. They took the ball on their 32 and opened up their passing game. A pass to Welch was good for a first down. Another pass moved the ball to Cape's 30. Again a pass and the ball was on the 15. The Miners moved to first and goal at Cape's 4 1/2. With one minute and five seconds remaining, Couse drove for the touchdown. The PAT was

no good but the Miners led 19-14. With a minute to go the Miners kicked off. Exrleben foiled all hopes of the Indians when he intercepted a pass. The game ended with Wheeler falling on the ball.

The Miners opened the 1963 conference season by defeating Cape Girardeau 19-14.



Bob Leone punts.

SUPPORT THE BLUE AND GOLD

ATTEND ALL MINER ATHLETIC EVENTS

RIFLE SQUAD

(Continued From Page 11)

There are several newcomers to the squad who plan to give old members a "run for their money" for top honors. They are: Richard Wylie, Stanley Massey, Lynn Meinershagen, Norman Miller, and Charles Smith.

This years team will be traveling to numerous out-of-state matches to compete with some of the top teams in the nation. If they live up to expectations the Missouri School of Mines Squad will be carrying home top honors.

The Missouri School of Mines Varsity Rifle Team is jointly sponsored by the Athletic and Military Departments. Head Coach is Major John R. Short, Jr.

Texas "Numero Uno" in Grid Listing; Utah to Top Montana

Well, all hail to the "under-puppies" for making last Saturday one of the saddest days for football forecasters that this beaten-down grid guesser has seen in 31 years of following college football. Simply . . . it was unbelievable!

So — look fast at the new array of talent in the Top 20 this week — they just may all be gone next week!

For what it's worth — with a gentle reminder *not* to bet Grandma's little red tricycle on anything you read here — that is what should happen on ye olde gridiron this week. (We're reasonably sure of just two games: Utah State is a 46-point choice over Montana, and Wittenberg, a 46-point favorite over Marietta, will probably squeeze through!)

Well, if it's any consolation to all good Oklahomans, one of the mighty had to fall. And that leaves Texas — unbeaten, untied, and Number One in the country — with only a mighty potent, mighty angry Arkansas Razorback hiding

in the woods this week. Assuming that they might get tangled in those woods, the forecasting nod goes to Texas by 9 points.

Second-ranked . . . and the only other team in last week's top ten that didn't get in some kind of trouble . . . is the Wisconsin Badger. The spread Saturday is 16 points with Iowa in the enviable role of under-puppy; Wisconsin just might win.

After a leap from 9th and 3rd simply because all the teams in between fell flat on their faces, the Rebels of Mississippi will come out of the woods after a week's vacation to blast Tulane by 26 points. Georgia Tech, No. 4, will bump Auburn from the ranks of the undefeated this week, clipping the Tigers by 14 points.

Southern Cal, tied for 19th this week, will lock up with 5th-ranked Ohio State in another sizzler on the coast. The Bucks are 5-point favorites, but don't hock the family farm on this one either. Illinois is sixth, and should top Minnesota Saturday

by three.

As it must come to all poor forecasters, so it must come to this one: the average for last week! In 57 major games (four ties were disregarded), it was a lousy .631. However, there were silver linings: an average of .850 in Eastern small colleges, and .818 in Southern small colleges. Totals: 117 right and 44 wrong for a shoulder-sagging .727 average. That drops the season average to .751 based on 551 correct and 183 incorrect.

Quickies: 7th-ranked Northwestern should wallop Miami Ohio, by 31 points, and Pitt scrambling all the way from 21st to 8th, should breeze over West Virginia by 19.

MINERS vs. LINCOLN

(Continued From Page 11)

ferent story. The first three places went to Harris, Haymon, and Page, all of whom are Lincoln squad members. Miners took the places fourth through eighth (Bacon, Moore, Winchester, and Stieffelman, respectively), and Boozer snapped up ninth place to Lincoln. Jim Dowdy came in tenth for the Miner team.

The run at the MSM cross country course is a 3.9 mile loop

The Harmon Football Forecast

TOP 20 TEAMS

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

1 - TEXAS	6 - ILLINOIS	11 - OKLAHOMA	16 - NEBRASKA
2 - WISCONSIN	7 - NORTHWESTERN	12 - BAYLOR	17 - PENN STATE
3 - MISSISSIPPI	8 - PITTSBURGH	13 - ALABAMA	18 - NOTRE DAME
4 - GEORGIA TECH	9 - SYRACUSE	14 - S. M. U.	19 - FLORIDA, NAVY & SOUTHERN CAL.
5 - OHIO STATE	10 - OREGON	15 - AIR FORCE	

Friday, October 18

Central Oklahoma . . . 18	NW Oklahoma . . . 0
Georgia . . . 8	Miami, Florida . . . 7
West Chester . . . 27	Southern Conn. . . 8

Saturday, Oct. 19 — Major Colleges

Air Force . . . 21	Maryland . . . 0
Alabama . . . 17	Tennessee . . . 8
Arizona State . . . 25	Texas Western . . . 14
Army . . . 36	Wake Forest . . . 0
Baylor . . . 24	Texas Tech . . . 0
Bowling Green . . . 18	Toledo . . . 7
Brown . . . 21	Pennsylvania . . . 19
Buffalo . . . 20	Ohio U. . . 7
California . . . 14	San Jose State . . . 7
Cincinnati . . . 19	Detroit . . . 14
Citadel . . . 22	Arkansas State . . . 6
Cornell . . . 15	Yale . . . 13
Dartmouth . . . 20	Holy Cross . . . 7
Delaware . . . 20	Clemson . . . 17
Duke . . . 20	Clensom . . . 17
Florida . . . 19	Vanderbilt . . . 0
Florida State . . . 14	Southern Mississippi . . . 0
Furman . . . 27	Mississippi College . . . 0
Georgia Tech . . . 21	Auburn . . . 7
Harvard . . . 21	Columbia . . . 7
Idaho . . . 28	Pacific . . . 6
Illinois . . . 17	Minnesota . . . 14
Iowa State . . . 15	Colorado . . . 7
L. S. U. . . . 19	Kentucky . . . 9
Memphis State . . . 26	West Texas . . . 8
Michigan State . . . 17	North Texas . . . 7
Mississippi . . . 26	Tulane . . . 0
Mississippi State . . . 24	Houston . . . 7
Missouri . . . 21	Oklahoma State . . . 0
Navy . . . 31	V. M. I. . . . 0
Nebraska . . . 30	Kansas State . . . 0
New Mexico State . . . 21	New Mexico . . . 18
North Carolina State . . . 21	North Carolina . . . 7
Northwestern . . . 38	Miami, Ohio . . . 7
Notre Dame . . . 17	U. C. L. A. . . . 0
Ohio State . . . 20	Southern Cal. . . 15
Oklahoma . . . 19	Kansas . . . 10
Oregon . . . 27	Washington . . . 13
Oregon State . . . 26	Washington State . . . 13
Pittsburgh . . . 26	West Virginia . . . 7
Princeton . . . 20	Colgate . . . 6
Purdue . . . 24	Michigan . . . 21
Richmond . . . 20	Davidson . . . 0
Rutgers . . . 14	Lehigh . . . 0
South Carolina . . . 20	Virginia . . . 12
S. M. U. . . . 20	Rice . . . 16
Syracuse . . . 17	Penn State . . . 14
Texas . . . 17	Arkansas . . . 8
T. C. U. . . . 21	Texas A & M . . . 6
Tulsa . . . 21	North Texas . . . 13
Utah . . . 25	Colorado State U. . . 0
Utah State . . . 46	Montana . . . 0
Villanova . . . 21	George Washington . . . 13
V. P. I. . . . 19	William & Mary . . . 13
Washington . . . 23	Stanford . . . 7
Western Michigan . . . 20	Kent State . . . 14
Wichita . . . 19	Louisville . . . 0
Wisconsin . . . 30	Iowa . . . 14
Wyoming . . . 26	Brigham Young . . . 7
Xavier . . . 15	Dayton . . . 8

EAST (small colleges)

Alfred . . . 14	Hobart . . . 13
Amherst . . . 25	Conestoga . . . 7
Bridgeport . . . 21	Conestoga Int'l . . . 19
Bucknell . . . 26	Tufts . . . 0
Connecticut . . . 21	Malne . . . 20
Cortland . . . 12	Kings College . . . 0
Drexel Tech . . . 20	Delaware Valley . . . 7
Edinboro . . . 25	Lock Haven . . . 13
Grove City . . . 29	Lock Haven . . . 13
Massachusetts . . . 29	Rhode Island . . . 0
Millersville . . . 19	Bloomsburg . . . 15
Montclair . . . 22	Ithaca . . . 20
Moravian . . . 14	Penn Military . . . 6
Northeastern . . . 21	Springfield . . . 14
Norwich . . . 16	St. Lawrence . . . 14
Rochester . . . 18	Allegheny . . . 14
Slippery Rock . . . 13	Westminster . . . 0
Swarthmore . . . 15	Hamilton . . . 12
Temple . . . 28	Lafayette . . . 0
Trenton . . . 28	Brockport . . . 6

MIDWEST (small colleges)

Akron . . . 32	Wooster . . . 0
Albion . . . 33	Olivet . . . 0
Baldwin-Wallace . . . 20	Hillsdale . . . 17
Ball State . . . 21	Indiana State . . . 20
Bemidji State . . . 20	Michigan Tech . . . 6
Bluffton . . . 15	Ashland . . . 14
Butler . . . 21	St. Joseph . . . 0
Central College, Iowa . . . 25	Simpson . . . 0
Central Michigan . . . 20	Western Illinois . . . 14
Denison . . . 21	Mount Union . . . 6
Earlham . . . 22	Manchester . . . 0
E. Central Oklahoma . . . 22	Panhandle A & M . . . 14
Eau Claire . . . 19	LaCrosse . . . 7
Emporia College . . . 24	Bethel, Kansas . . . 0
Findlay . . . 19	Eastern Michigan . . . 12
Hamline . . . 13	Macalester . . . 8
Hope . . . 20	Adrian . . . 19
Iowa State College . . . 22	Morningside . . . 20
Kalamazoo . . . 33	Alma . . . 6
Kearney . . . 35	Doane . . . 6
Luther . . . 26	Buena Vista . . . 14
Nebraska Wesleyan . . . 13	Wayne, Neb. . . 7
NE Missouri . . . 31	Missouri Mines . . . 0
NE Oklahoma . . . 20	Langston . . . 14
NW Missouri . . . 12	Central Missouri . . . 6
Ohio Northern . . . 17	John Carroll . . . 13
Omaha . . . 36	Emporia State . . . 6
Otterbein . . . 16	Hiram . . . 6
Peru . . . 14	Chadron . . . 7
Pittsburg . . . 20	Fort Hays . . . 6
St. Thomas . . . 20	Gustavus Adolphus . . . 13
Southern Illinois . . . 21	Northern Michigan . . . 20
SW Missouri . . . 21	SE Missouri . . . 6
SW Oklahoma . . . 19	SE Oklahoma . . . 12
Stevens Point, Wis. . . 21	Superior State . . . 6
Taylor . . . 12	Anderson . . . 8
Valparaiso . . . 14	Evansville . . . 7
Wabash . . . 21	Bradley . . . 15
Westminster . . . 14	Dana . . . 0
Whitewater . . . 23	Milwaukee . . . 7
Wilmington . . . 15	Defiance . . . 6
Wittenberg . . . 46	Marietta . . . 0

SOUTH (small colleges)

Appalachian . . . 15	Catawba . . . 7
Arlington . . . 20	McMurry . . . 8
Chattanooga . . . 25	Middle Tennessee . . . 20
Delta State . . . 20	Howard . . . 16
DePaul . . . 19	Centre . . . 0
East Carolina . . . 21	West Carolina . . . 0
East Tennessee . . . 27	Eastern Kentucky . . . 6
East Texas . . . 20	Sam Houston . . . 15
Elon . . . 20	Carson-Newman . . . 6
Fairmont . . . 14	West Virginia Tech . . . 7
Florence . . . 18	Troy State . . . 7
Georgetown . . . 14	Southwestern, Tenn. . . 7
Lenoir-Rhyne . . . 28	Gulfport . . . 12
Louisiana College . . . 19	Jacksonville . . . 14
McNeese . . . 29	NE Louisiana . . . 0
Morehead . . . 31	Austin Peay . . . 7
Murray . . . 23	U. T. M. B. . . . 13
Sewanee . . . 28	Randolph-Macon . . . 0
Shepherd . . . 22	Concord . . . 6
SW Texas . . . 21	S. F. Austin . . . 14
Susquehanna . . . 21	Washington & Lee . . . 13
Tampa . . . 17	Presbyterian . . . 6
West Virginia State . . . 27	Bluefield . . . 0
Western Kentucky . . . 21	Tennessee Tech . . . 19
Western Maryland . . . 19	Hampden-Sydney . . . 13
Wofford . . . 15	Newberry . . . 14

FAR WEST (small colleges)

Cal Western . . . 23	LaVerne . . . 0
Colorado Mines . . . 27	Colorado State . . . 6
Colorado Western . . . 29	Western New Mexico . . . 0
Colorado College . . . 6	Colorado College . . . 6
Fresno State . . . 34	Cal Poly (S. L. O.) . . . 7
Humboldt . . . 25	Davis (U. of Cal.) . . . 20
Long Beach . . . 18	Santa Barbara . . . 14
Montana State . . . 14	Arizona State . . . 0
Nevada . . . 25	Chico State . . . 7
Pomona . . . 22	Cal Tech . . . 22
San Diego State . . . 51	Los Angeles . . . 0
San Fernando . . . 14	Redlands . . . 12
San Francisco . . . 23	Sacramento . . . 13
Santa Clara . . . 37	Riverside . . . 0
Texas Lutheran . . . 39	New Mexico Highlands . . . 7