



04 Oct 1963

The Missouri Miner, October 04, 1963

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chance in the intramural know it would stay.

ansion of the program archery would provide outlet for healthy physical development. I am already interested in intramural programs and would like to provide another outlet for talents.

ET THE MINERS

ued From Page 9)

for as little as \$1.00 as much as one hundred dollars. Burr was a member of the School of Mines in 1953. He attended the University of South West Texas where he played baseball. Burr holds a degree from the University of Missouri.

the three men mentioned, there are four others who are active in the activities of the Miners. Ray Morgan is a tennis coach, Kenneth Morgan is head of the chess team, and Captain R. Morgan is the rifle team coach. The assistant coach.

AGENCY

Phone 364-1414

Hootenanny, Free Day Among SC's 1st Legis.

The Student Council opened a new school year of representing the students of MSM by holding its first regular bi-monthly meeting, September 24th. During this initial meeting the Council discussed and passed a variety of issues of importance to the student body.

The General Lecture Committee whose duty it is to arrange for the entertainment program sponsored by the Student Council throughout the year, wishes to announce that opening this year's program will be a "Hootenanny" held Monday, October 7. The Hootenanny, to be held in the SU Ballroom, will host five folk-singing groups. One month following the Hootenanny will be a program featuring the Gaslighters. Also pertaining to the general lectures program, Capt. Christy, Prof. of English, will continue his series of finance lectures for seniors and grad students.

Another issue passed was that of the MSM student traffic court. The student members to compose the court will be picked by a faculty committee.

Along the line of sports, little progress has been made toward organizing an MSM baseball

squad. There is as yet no suitable playing area. The Council also regrets to announce that cheerleaders for football games have declined their services, owing to a lack of spirit displayed during the '62 season.

Concerning the budget, the Council allotted \$600 to the MSM Band and urges all organizations wishing to obtain money from the SC to submit their budgets immediately.

Perhaps of greatest concern to each Miner was the granting of a "Free Day". The Student Council has chosen Monday, December 16, in order to give an extended Christmas Vacation.

Funds, Art Work Among Alumni Gifts This Year

The upstairs halls of the Student Union have been covered this summer with a multitude of classic and contemporary style paintings. The donation of these paintings was under the direction of John W. Bodman, who was also responsible for the large picture of Rembrandt and the "Threshing of the Wheat" located in the Student Union. Mr. Bodman was a member of the class of 1910.

Each year the Alumni Association awards 6 scholarships worth \$500 each to freshman and/or sophomores. This year a student who had received the scholarship for the past two years returned the \$500 to the Association.

The Alumni Association also gave \$2,000 to the United Student Aid Fund. This will enable MSM students to secure loans from their local banks to attend school. The \$2,000 will permit a total of \$50,000 to be loaned to students.

The Laclede Steel Emergency Fund, established by Laclede Steel and administered by the Association, has had a very active year. The Fund has aided many students in meeting emergencies to the sum of more than \$1500.

The Alumni Association annual fund is going to close Oct. 31, 1963, and its goal is to obtain \$23,700, from its 3,000 members.

Hootenanny



Monday night, Oct. 7, at 7 p. m. in the SU Ballroom: Steve Addiss and Bill Crafut, U. S. Good-Will Ambassadors around the world, join Maxine Sellers, Robert Glaze, Tom Paxton and the Outsiders in a folk-singing extravaganza.

MINER

The Missouri

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 50

FRIDAY, OCTOBER 4, 1963

NUMBER 3

Data Equipment to Aid Speed, Accuracy to Student Records

The Office of Admissions has inaugurated their new card-punch system of registration this semester. The new system will make registration easier for both the student and the office workers. The student will fill out an appli-

ting. The student will be able to pay his fees during the summer previous to enrolling. This will give him a couple of extra days of vacation.

There are no computers in the Registrar's office; there are only

This information is then checked by the verifier to be sure there is no mistake on the punches as they appear on the cards.

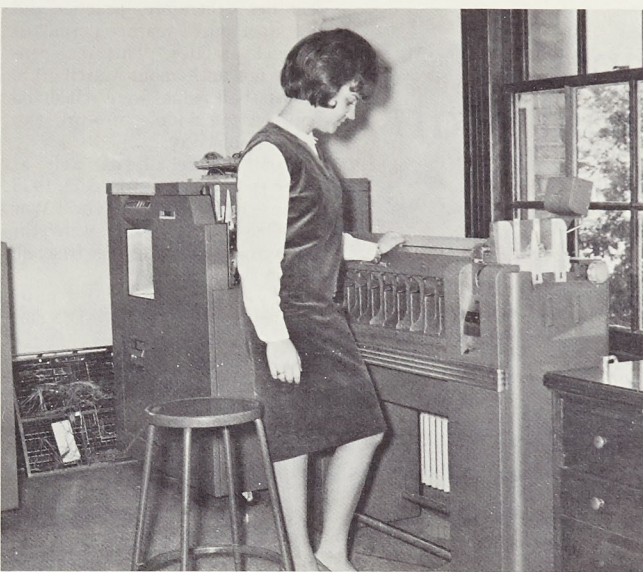
The interpreter reads the punches from the cards and types the student's name, his student number, and other information at the top of the card.

The sorter is used to place the cards in order. It can be used to place them in order by student number or alphabetically by name. The method used by the Registrar's office is to arrange the cards by student number. It is used because it takes less time to arrange them. When arranging the cards by student number they need only to be run through the sorter four times; but to arrange the cards alphabetically by name, they must be run through forty-two times.

The collater is another checking device which checks the order in which the numbers are arranged. It also checks the information cards and home address cards to make sure that there is one of each on file for every student enrolled in school.

A record of each student's classes is kept on punched cards. There is one card for each class, and the student's information card is used to punch the student's name and number into each card at registration time.

Another big advantage of the data processing machines is the making of the Blue Key student directory. The punched information cards will be arranged alphabetically by the sorter and collater. These cards will then be taken to the computer center and put into the line printer. This line printer will then do all the typing automatically. This year besides the usual name, Rolla address, and phone number of the student there will be added the home address, department which he is presently in, and his class.



Office girl makes use of Card Sorter.

cation for admission prior to the first time he registers. Thereafter he need not fill out another one, but make only minor changes when necessary.

Another convenient item concerns the new method of preregis-

data processing machines. These include a card punch, a verifier, an interpreter, a card sorter, and a collater.

The general basic information filled out by the student is punched into cards with the card punch.

Gaslight, Rockaway Give Best in Oct. 5th Mixer

Tomorrow afternoon, Saturday, October 5, girls from seven Missouri girls' schools will arrive in Rolla for the Student Union's annual All School Mixer. There will be plenty of dates available for any Miner who wishes to make new friends.

Afternoon entertainment will be provided by the St. Louis Ragtimers from Gaslight Square; and then, after the Miners have taken their newly found dates to dinner at their fraternity, eating club, or cafeteria, they can return to the Student Union Ballroom to dance to the rock "n" roll of the Shadow Rock Park Eight from Rockaway Beach from 8 p.m. until midnight. Most of the girls will arrive around noon, but around 200 more girls from Cottey College will arrive in the late afternoon so that anyone who failed to get a date from the first group will have another chance. Schools

represented will be Lindenwood, Monticello, Stephens, Cottey, Missouri University, William Woods, and Christian.

MU at St. Louis Plans 20,000 Students by '85

The long-range Master Plan for the University of Missouri St. Louis Campus as announced by President Elmer Ellis envisions the growth of the Campus from an initial stage using the present building and the proposed new Instructional Building for approximately 4,000 students, to a projected enrollment of 20,000 students. That growth, it is presently estimated, would cover a period of some twenty years.

The Master Plan was prepared by Hellmuth, Obata & Kassabaum, Inc., St. Louis architects.

Under the initial provisions of the Master Plan a proposed In-

structional Building for laboratories and classrooms is to be erected in the southwest corner of the 128 acre Campus, a short distance to the southwest of the present building and to the north of Natural Bridge Road, which skirts the south edge of the Campus.

Under the long-range provisions the core of the Campus would consist of four major buildings used by all the students and located in the present area of the existing building. The Campus as a whole would expand outward from the central core buildings

(Continued on Page 5)

NOTICE!

The 1962 Newspaper National Snapshot Awards Exhibit Prints will be on exhibit in the Student Union September 30 through October 30. Courtesy Eastman Kodak.

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stroke
odor

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all day, goes
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tacky!
Stick!
ke daily!

Miner Editorials

New Look in Engineering

Engineering has come a long way since the first wheel was designed. It has evolved from a history of inventors, theorizers, modifiers, mathematicians. From the begrimed scientist and the thoughtful mathematician has emerged the ivy-clad, crew-cut young man with the slide rule in his hand.

This process did not culminate overnight. It resulted from centuries of pride obtained from using Nature to make life easier for man. The engineer did not come from a status-seeking group; it arose from a type of individual fiercely proud of his achievements and a civilization thankful for these achievements. Engineering thus became more than a job—it became a respected vocation, a profession.

Webster defines a profession as . . . "an occupation to which one devotes oneself." Engineering surely fulfills this definition, as what other occupation requires more devotion to obtain success?

We, the engineers of tomorrow, are charged with the duty to keep our profession just that, a profession. The blue-jeaned freshman must prepare himself for the responsibilities of the business world, not solely as a formula-spouting scientist, but as a well-rounded educated individual worthy of the title of Engineer. The MINER encourages all Miners to join their particular professional society and cooperate with it to make engineering an even more esteemed profession.

President Exempts Married Men From Draft

On Tuesday, September 11, President Kennedy signed an order exempting all married men without children from the draft. This order will free approximately 340,000 men from draft status.

While this order is in effect, married men without children will not be drafted as long as single men between the ages 19-26 are available. However, those claiming exemption under this order must "have a wife with whom they maintain bona fide family relationship in their homes." Also, they must be married before they receive their induction notices.

The Army is the only armed service in the United States that is currently using the draft. For the past several years a low draft quota has been maintained; the average number of men inducted being 6,000 a month. Nevertheless, nearly one third of these men have been married and without children.

The Army classifies all men eligible for the draft as 1A. Of the 1,700,000 men now grouped under this heading, approximately one fifth are married men without children. About 340,000 men fall into this group.

With the coming of age of the World War II "war babies", the draft pool has been considerably increased. The Selective Service believes that the number of single men classified as 1A is adequate for any foreseeable needs. However, if a national emergency requiring a sharp increase in the draft quota should arise, it could very well bring into service the married men.

Officials in Washington doubt

that the Presidential order will motivate any sudden rush to the marriage altar for those wishing to dodge the draft. If this does turn out to be the case, the order states explicitly that the drafting of married men could resume without further action by the President.

The new draft order has rearranged the priority listing for induction notices. Men are now selected in the following order:

1. Draft delinquents over the age of nineteen.
2. Volunteers for induction under the age of 26.
3. Non-volunteers between the ages 19-26 that do not have wives with whom they maintain a bona fide family relationship in their homes. The oldest first.
4. Non-volunteers between the ages 19-26 who have wives.
5. Non-volunteers over 26 years of age.
6. Men under 19 years of age. The oldest first.

Last March, President Kennedy signed an order exempting all married men *with* children from the draft.

When Press Secretary Pierre Salinger addressed newsmen in regard to the President's order of September 11, he was asked the reason why so many married men have been drafted when enough unmarried men are available to fill the draft quota.

"That," he replied, "is exactly the question the President asked."

Obviously, the question went unanswered. Hence, the newest Presidential draft order was put into effect.

Baseball! Should It Be Revived at MSM?

The Student Council feels that the student body's interest in varsity baseball is sufficient to take action toward forming another varsity baseball team. The word another is used because baseball is not new at MSM — only forgotten.

Baseball was started at MSM in the 1890's with Elmo G. Harris' approval of the construction of a football field and tennis courts. (Baseball was to be played on the football field.) A faculty team, which played Rolla's and various area teams, was formed in the early 1900's. With the rise of interest in sports, MSM started a varsity team in 1910 under the direction of Coach Dannie. The team did not have any indoor facilities; therefore, practice did not start until weather permitted outdoor practice. This was generally not until about March 20th. All baseball games were scheduled between the middle of April and the last of May.

Varsity baseball, as well as other sports, was stopped in 1915 because of the start of World War I. Those early teams were the last stable collegiate-level baseball in the conference.

Why can we not have a baseball team now? Athletic Director Gale Bullman has stated that the lack of proper facilities is the main problem. The new baseball field being constructed adjacent to the intramural athletic fields was scheduled to be completed a year ago. Why are the facilities not ready?

Mr. Sandhouse, President of the Rolla-City Park Board, and Mayor Northern have both stated that it would be possible for MSM

games to be scheduled on the diamond built by Rolla recently.

The Student Council feels that YOU, the student body, can organize a team this spring and move to your own COMPLETED field next year for a fully scheduled season.

What will a team cost the student body? Cost estimates from other M. I. A. A. schools reveal an approximate cost of from \$2500 to \$3000 for the first year. Equipment replacement, transportation costs, and umpires' fees will total approximately \$1500 per year for each consecutive year thereafter. The Student Council feels that this is not too large an expense for a school the size of MSM.

Mr. Leo Christopher of the
(Continued on Page 6)



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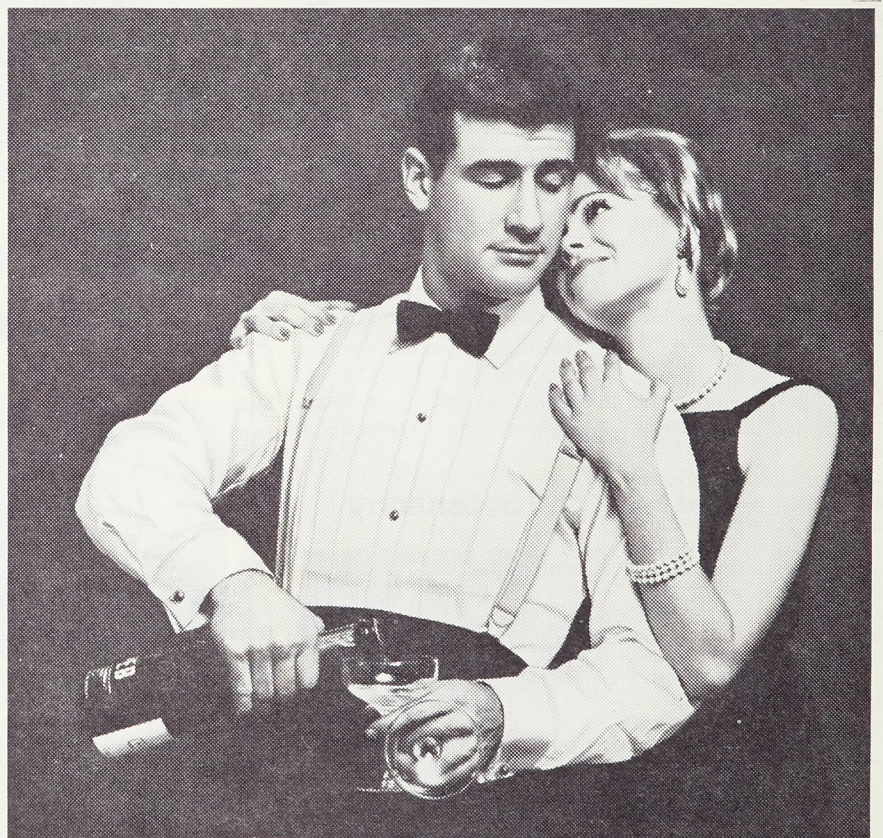
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A Freshman Reviews His First Month in Rolla

With classes now in full swing, a hint of the aged proverb, "out with the old; in with the new" comes into particular significance. This "new" element of course, refers to the multitude of freshmen now seeking the fulfillment of their education.

Naturally, as in the case of any new experience, first impressions and ideas are likely to leave a lasting mark. As for the class of '67, the same trait is noticeably present. Some of these impressions point out a definite attraction for MSM and Rolla in general, while others tend to criticize a few dis-

crepancies in the makeup of this particular institution.

When new students arrive on campus, there seems to be a general consensus of opinion favoring the wealth of new buildings recently opened. I am sure all will agree that the Electrical Engineering, Civil Engineering, and Physics buildings add an air of freshness congruent with the entering class. Of course, such traditional structures as the Rolla Building implant a seed of doubt regarding adequate facilities in specific departments.

As the first weekend in Rolla approached, new students looked forward to a time of relief and general enjoyment. Unfortunately, those individuals who had the poor luck to be "trapped" in Rolla can testify as to the widespread revelry present. With such diversified (?) entertainments as two shows, three drug stores, and two bowling lanes, the temptation to indulge in a night on the town in favor of studies is seldom a problem.

On the other hand, Parker Hall, with its fine reading library, and the Student Union offer fine study and recreation facilities. In addition to this, MSM is favored with four modern dormitories and a wealth of approved private housing to fit any individual and financial situation. Fraternities are also well represented on campus and their spirit of inter-cooperation and generosity make them invaluable in campus affairs.

In conclusion, the freshmen entering the Missouri School of Mines are confronted with an environment essentially foreign to them, and so naturally filled with

likes and dislikes. It would be impossible for any community to satisfy everyone, however, Rolla does provide conditions lending themselves to the attainment of an education—the purpose for which we all attend college.

A member of the class of '67.

Patel is India Assoc. President

The general meeting of India Association was held on September 28th, 1963 in 107 Mining Building. After finishing the past business, the election of officers was held. The following officers were elected for the Fall Semester, 1963.

Vinayak K. Patel, president; N. P. Sheikh, vice-president; Harish M. Mehta, secretary-treasurer; Rajani Kant Gandhi, Kirit G. Shah, executive members.

There are 116 students from India out of 278 students from 52 foreign countries.

"M" Club Sets Up Short Loan Fund

The "M" Club of the University of Missouri School of Mines and Metallurgy at Rolla has established a loan fund to be known as the "M" Club Loan Fund. The purpose of the fund is to provide assistance to students who need small sums of money for a short period of time. As is customary at MSM, the fund will be administered by a Committee of the Faculty and any student regularly enrolled at the School will be eligible to apply.

The "M" Club is a student organization composed of men who have earned letters in varsity sports.

Registrar's Office Still Missing 50 Men

The following people have not yet turned their addresses in to the Registrar's Office. They are asked to do so as soon as possible.

Breeding, Robert E.	5316	Kadlec, George Raymond	0085
Brune, Albert E. III	4726	Kelley, Richard D.	5341
Bruns, Myron Duane	2966	Knapstein, Thomas J.	4688
Carr, Kenneth Edward	7273	Laughlin, Donald Lee	5258
Chastain, Phillip Lynn	4681	Lillie, Edward Thomas	4168
Christopher, Horace W.	0993	Lodes, Thomas W.	4096
Chu Chao-Ping	6968	Mantia, Richard W.	5462
Corvey, Douglas R.	3104	McNerney, Jon Martin	6638
Cowles, James C. Jr.	4620	Morshedi, Abdolhamid	7685
Dawson, William E. Jr.	4539	Murrell, David D.	1021
Deatherage, James H.	5443	Norton, Timothy J.	3437
Deranja, Theodore F.	3012	Patel, Rameshbhai U.	7068
Downing, William Ellis	4509	Peresztegy, Lajos Bela	7074
Fancher, Gary Lane	7708	Piros, Ronald Allen	7328
Foreman, Alan Roger	5266	Rezny, Dwight D.	4122
Gebhart, James M. III	2650	Roeseler, John C.	5287
Geske, Robert Leonard	7533	Rutledge, Melvin D. Jr.	4909
Gummersheimer, Roy A.	0392	Scherrer, Henry C.	5469
Handlan, Timothy M.	6477	Tai, Philip Teik Jan	5301
Hudson, Roger Dale	0410	TATE, Joseph Benjamin	7755
Huff, Philip Anthony	2143	Tuesca, Hector A.	7439
Isley, Louis F., Jr.	3570	Thomas, Roger Lewis	5439
Jones, Robert E.	4443	Tjokroatmodjo, Kartini	5453
		Venker, Stephen John	5038
		Verhoff, Ronald J.	4911
		Voytek, Robert Francis	7479
		Wolfmeyer, Thomas M.	4659

Frosh Honorary, Phi Eta Sigma Installed Here

On September 28, 1963 the MSM Chapter of Phi Eta Sigma National Freshman Honor Society was formally installed by Dean Davis of Southern Illinois University at a banquet in the Student Union. The installation of the Honorary, Founder, and Charter members was assisted by members from the University of Missouri Chapter. Dean Emeritus Wilson, Assistant Dean Ponder, Assistant Dean Hershkovitz, and Phi Eta Sigma faculty advisor Prof. C. J. Grimm were installed as Honorary members.

At the installation banquet Dean Davis presented the charter to Dean Hershkovitz. Dean Wilson returned to the MSM campus to address the members of the Freshman Honor Society which he and the other honorary members helped to start on the MSM campus.

Freshmen become eligible for membership into Phi Eta Sigma by having a grade point average of 3.5 or better and no grade lower than a B.

Panel Tues. at SU Over Interviews

On Tuesday, October 8, at 7:30, the Student Union will present another in its series of panel discussions. The program will be held in the Student Union ballroom. This discussion will be based on the subject of "Employment Interviews." The members of the panel will be asked and will also ask questions pertaining to all phases of interviewing. The panel will be composed of four men: Mr. James Stephens of the Missouri Public Service Co.; Mr. D. R. Johnson of I. B. M.; Mr. Robert V. Gray of General Motors; and Mr. M. B. Tracy of General Electric.

The long range program of selecting an employer; the interviewee's obligation to the employer; what employers are seeking in employees; and the interviewer's obligation to the interviewee are just a few of the topics that will be under discussion. The program is to be moderated by Dean Baker and should prove to be interesting and very informative. Everyone planning to do any interviewing in the near future should plan on attending this discussion.

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MSM Sends 99 to Camp, Takes Eighth as One Earns Gold Bar

Ninety-nine MSM ROTC cadets and twelve active Army members of the Military department spent the six-week period of June 15 through July 26 of this year in Reserve Officers Training Corps Summer Camps.

Three of the cadets attended ROTC Summer Camp at Indian Town Gap, Pennsylvania; the other ninety-six went to Ft. Riley, Kansas, Summer Camp.

The following officers and non-commissioned officers of the MSM Military Department were assigned to the operations and training activities for conduct of the Ft. Riley Camp: Lieutenant Colonel Herman E. Wienecke, Captains Arthur S. Baxter, Jr., Ernest H. Martin, Lawrence E. Mullins, William T. Black, and Robert E. Weeks, Master Sergeants Walter J. Krol and James C. Vancil, Sergeant First Class Walter R. Ellis, Staff Sergeants Clymer C. Cooper, John J. Erskin, and Robert R. Lewis.

Colonel Glenn R. Taylor, Professor of Military Science stated that the contingent of MSM cadets at Fort Riley would comprise one of the largest groups from any one college in this section of the country.

Cadets from MSM ranked 8th in the Final Camp Standings out of the eighteen institutions represented by forty-one or more cadets. This is especially note-

worthy in view of the fact that it was a General Military Science (GMS) Camp while the program of instruction here at MSM is predominately Branch Material Engineer.



CADET BOB ROMMELMAN

In other competitions held at Summer Camp, the cadets from MSM placed as follows:

A- Fort Riley ROTC Marksmanship Trophy, awarded to the institution in the Fifth Army Area with the majority of their eligible cadets attending this camp that achieved the highest average score for TRAINFIRE record firing. (six out of thirty-seven).

B- Fort Riley ROTC Athletic

Trophy, awarded to the institution in the Fifth Army Area represented by at least fifteen cadets that achieved the highest average of athletic activity points in individual, unit and camp sports. (twenty-seven out of thirty-five).

C- Military Proficiency Trophy, awarded to the institution in the Fifth Army Area with the majority of their eligible cadets at-

tending this camp that had the highest average of military proficiency achievement points per cadet. (twenty-two out of thirty-seven).

Two of the cadets, Richard P. Laird and William D. Falke, distinguished themselves by having obtained the highest qualification scores in the M-1 Rifle for their respective companies. Also, by placing in the top ten positions

in M-1 Rifle qualification, they were designated members of the Fort Riley ROTC Rifle team and were awarded red and gold ribbons.

Cadet Robert V. Rommelman was awarded the Gold Bar Ribbon and Certificate for being the Outstanding Cadet in his platoon throughout the six weeks of intensive training at the Fort Riley Camp.

AIChE

The MSM Student Chapter of the American Institute of Chemical Engineers held its first meeting Wednesday, September 25. The attendance was excellent with approximately 150 members present. A new secretary was elected and committee heads were appointed to round out the roster of officers. Officers for this semester are: Paul DeMay, president; Tom Hrastich, vice president; Jim Hunter, secretary; Bill McCracken, treasurer; and Kent Horner, reporter.

The highlight of the evening was an excellent talk on "professionalism" by Dr. Dudley Thompson, Department Chairman.

The next meeting is scheduled for October 9, at 7 p.m. The guest speaker will be Rod Grandy, from Humble Oil and Refining Company, Baton Rouge, La., speaking on "Opportunities in the Petroleum Industry."



On Campus with Max Shulman

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

WORDS: THEIR CAUSE AND CURE

Today let us take up the subject of etymology (or entomology, as it is sometimes called) which is the study of word origins (or insects, as they are sometimes called).

Where are word origins (insects) to be found? Well sir, sometimes words are proper names which have passed into the language. Take, for instance, the words used in electricity: *ampere* was named after its discoverer, the Frenchman Andre Marie Ampere (1775-1836); similarly, *ohm* was named after the German G.S. Ohm (1781-1854), *watt* after the Scot James Watt (1736-1819), and *bulb* after the American Fred C. Bulb (1843-1912).

There is, incidentally, quite a poignant little story about Mr. Bulb. Until Bulb's invention, all illumination was provided by gas, which was named after its inventor Milton T. Gas



who, strange to tell, had been Bulb's roommate at Cal Tech! In fact, strange to tell, the third man sharing the room with Bulb and Gas was also one whose name burns bright in the annals of illumination—Walter Candle!

The three roommates were inseparable companions in college. After graduation all three did research in the problems of artificial light, which at this time did not exist. All America used to go to bed with the chickens, and many fine citizens were, alas, severely injured falling off the roost.

Well sir, the three comrades—Bulb, Gas, and Candle—promised to be friends forever when they left school, but success, alas, spoiled all that. First Candle invented the candle, got rich, and forgot his old friends. Then Gas invented gas, got rich, bankrupted Candle, and forgot his old friends. Then Bulb invented the bulb, got rich, bankrupted Gas, and forgot his old friends.

Candle and Gas, bitter and impoverished at the ages respectively of 75 and 71, went to sea as respectively the world's oldest and second oldest cabin boy. Bulb, rich and grand, also went to sea, but he went in style—as a first-class passenger on luxury liners.

Well sir, strange to tell, all three were aboard the ill-fated Lusitania when she was sunk in the North Atlantic. And strange to tell, when they were swimming for their lives after the shipwreck, all three clambered aboard the same dinghy!

Well sir, chastened and made wiser by their brush with peril, they fell into each other's arms and wept and exchanged forgiveness and became fast friends all over again.

For three years they drifted in the dinghy, shaking hands and singing the Cal Tech rouser all the while. Then, at long last, they spied a passing liner and were taken aboard.

They remained fast friends for the rest of their days, which, I regret to report, were not many, because the liner which picked them up was the Titanic.

What a pity that Marlboros were not invented during the lifetimes of Bulb, Gas, and Candle. Had there been Marlboros, these three friends never would have grown apart because they would have realized how much, despite their differences, they still had in common. I mean to say that Marlboros can be lit by candle, by gas, and by electricity, and no matter how you light them, you always get a lot to like—a filter, a flavor, a pack or box that makes anyone—including Bulb, Gas, and Candle—settle back and forswear pettiness and smile the sweet smile of friendship on all who pass!

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Etymology is not the business of the makers of Marlboro Cigarettes, who sponsor this column. We deal in rich tobaccos and fine filters. Try a pack soon.

The Reviewer's Stand

The story of achievement against the impossible is forcefully presented in "The Great Escape," a United Artists release. The fact that this film records an actual event which took place during World War II serves to add a note of interest to a motion picture which combines excitement, movement and suspense to a high degree. It will be shown at the Uptown Theater through October 8th, and will be shown only at 7:45 p.m.

The movie is based on the book by Paul Brickhill and is filmed entirely on location in Germany. Its most able cast includes Steve McQueen, James Garner and Richard Attenborough.

It is the basic concept of prisoners of war that they should create such a problem for their captors, require such careful attention that they serve to pin down units of the enemy to their care who might otherwise be used on the fighting fronts.

The manner in which they go about the construction of an escape tunnel, under the very watchful eyes of German guards, is unbelievable, except that it is true and actually happened.

The suspense mounts as the completion of the tunnel nears. The men make their meticulously planned escape, until an accident gives away the breakout, and guards halt the exodus. But not before some 75 men have gotten clear. Then come some of the film's most exciting and suspense-laden sequences as the men seek to make good their escape across Germany.

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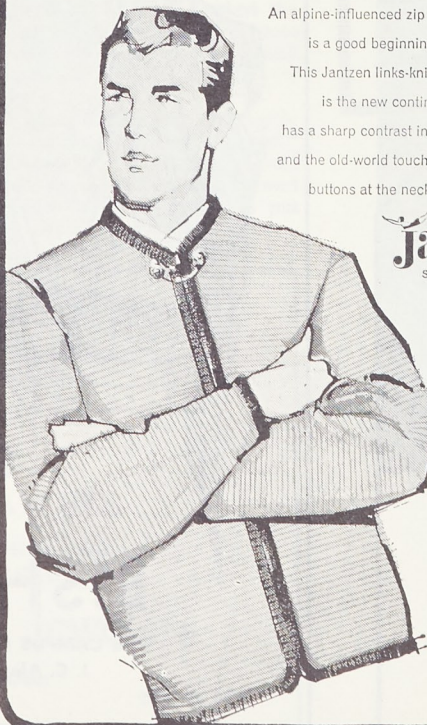
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and the old-world touch of pewter-finish

buttons at the neckline



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sportsmen

Dr. H. R. Hanley Observes 89th Birthday

Recently celebrating his 89th birthday here at MSM was Dr. H. R. Hanley, Professor Emeritus of the Department of Metallurgical Engineering.

Dr. Hanley is a graduate of MSM, class of 1901. His first degree was in the field of mining, but later as a result of his experience in metallurgy, he was granted the professional degree of Metallurgical Engineering.

Upon graduation he went to work for the Bully Hill Copper Mining and Smelting Company in California, where he remained for sixteen years, becoming well versed in the field of non-ferrous metallurgy, particularly electrolytic zinc and copper smelting. Later Dr. Hanley became associated with the United States Smelting, Refining, and Mining Company; constructing and operating an electrolytic zinc plant in Kennett, California.

In 1923 he returned to Rolla and became associated with the Department of Metallurgical En-

gineering and later served as the head of the department for several years. As a result of various phases of research and extensive consulting practice, Dr. Hanley has become recognized as one of the outstanding authorities in the field of non-ferrous metallurgy and particularly the metallurgy of zinc.

Dr. Hanley is author of over thirty published papers dealing with non-ferrous metallurgy. For nine years he wrote the annual review of the developments of the metallurgy of zinc during the preceding year for the technical magazines: "Mining and Metallurgy," and the "Engineering and Mining Journal."

In 1946 he was granted the honorary degree of Doctor of Engineering by this school. Dr. Hanley has carried on an extensive research program in various fields of metallurgy. His consulting contracts have been extensive, some having involved projects outside of the continental United

MU AT ST. LOUIS

(Continued From Page 1)

with clusters of instructional buildings. The core buildings as presently planned would comprise a Library, a Student Center, an Administration Building, and a Communications and Fine Arts Center. In the final stage the Campus would have about 25 buildings.

All clusters of instructional buildings would consist of essentially three wings, a design followed in the proposed initial classroom and laboratory instructional building. One wing of such buildings would house the faculty offices, a second would house a science laboratory, and the third

States. In late 1953, Dr. Hanley left the United States to organize a department of non-ferrous metallurgy at the University of Taiwan, in Taiwan, Formosa.

For a number of years, Dr. Hanley was secretary-treasurer of the MSM Alumni Association. Through his entire lifetime, Dr. Hanley has been active in the American Institute of Mining and Metallurgical Engineers to which he was awarded an honorary life membership.

would be used for classrooms.

In drawing up the Master Plan it was considered such a design would allow for the most efficient utilization of instructional spaces.

Service roads would be provided to every building unit, but all parking would be kept on the periphery of the Campus: The plan calls for parking garages in the southwest corner, off Natural Bridge Road, and in an angle on the east side of the Campus.

As contemplated in the Master Plan the University of Missouri St. Louis Campus will be entirely a commuting campus, without residence halls. It is scheduled eventually to provide parking for 5,900 cars. Efforts will also be made to have the public transportation system develop a convenient transit system from all parts of the St. Louis Metropolitan Area to the Campus.

The initial instructional building as presently contemplated will have three wings housing the faculty offices in the center, the science laboratories and a science lecture hall for 350 students in one wing, and the regular classrooms and a large lecture hall for 500 students in another wing. The

final plans for the building, however, are now being prepared by the architects. The exterior design, which calls for a building of reinforced concrete faced with brick, has been approved by the Board of Curators.

The Master Plan also includes tentative assumptions for the four core buildings. For the Library it assumes an ultimate collection of 1,000,000 volumes, study space for 20 percent of the students and 15 per cent of the faculty, and a staff of 200 persons on duty at one time. The Student Center under tentative assumption would have dining facilities for about 50 percent of the campus, and provide such student services as a bookstore, lounges, and locker space. In the general Administration Building as tentatively considered for the future would be the offices of the head administrators, conference rooms, health services, the data processing center, and various other facilities. It is assumed that the Communications and Fine Arts Center would include an auditorium, studios, classrooms, an exhibition hall, a small theater, radio and television and other facilities.

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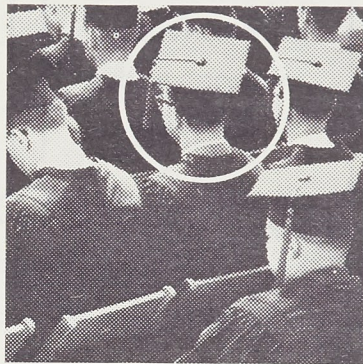
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Western Electric's wide variety of challenging assignments appealed to Tom, as did the idea of advanced study through full-time graduate engineering training, numerous management courses and a company-paid Tuition Refund Plan.

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and process control techniques to reduce manufacturing costs of telephone switching equipment. Tom is sure that Western Electric is the right place for him. What about you?

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Greek News

SIG EP ADDS ANNEX

The Sig Eps at Mo. Gamma have been anxiously awaiting this weekend as the pledge class is presenting their annual dance. The pledges have decided to stomp and shout to the theme "Sig Ep Goes Around the World," and the decorations will suggest familiar international scenes. This weekend's festivities will be held mainly in Sig Ep's new annex chapter room, which offers a considerable improvement on facilities.

Sig Ep began their intramural season in fine shape last week by downing a hard fighting Theta Chi squad. The defensive playing of both sides marked the contest. On the tennis scene, Bill and Bud Wood scored victories over Pi K A, 9-8; and Lambda Chi, 9-1, respectively. In the Interfraternity bowling contests, Sig Ep managed to spare-out a victory over Beta Sig by taking 6 of 8 points.

NEW TKE HOUSE

News on State Street is headlined by completion of the new TKE house. Fraters and pledges moved into the recently completed structure as soon as they arrived back at MSM for this semester. The new house has plenty of room for 66 men to sleep and study in two-man rooms, and also contains a kitchen and dining hall many times as large as the old one. In case you haven't had a chance to see the new TKE house, it is located directly behind the old house. The old TKE house is to be replaced in the future by an addition to the new building. Fraters and pledges alike are proud of this latest mark of TKE progress for which all have strived, with a new house and pledges around, love is in bloom at the TKE house, fraters Richard Otto, Carlos Lago, John Cannady, Don Luth, Ron Harlan, Larry Vaughn, and Paul Cook surrendered their pins to charming young ladies during the summer vacation.

THETA CHI'S OFFICERS

Theta Chi has started off its first semester on campus with a bustle of activity. The new pledge class is sponsoring a dance at the house this weekend. Entertainment will be provided by "The Morocco's" on Saturday night. We are just finishing a painting of the downstairs area, which has brightened the rooms a great deal. On September 23, the following men were elected to office: Fred Herrmann, President; Jim O'Bryant, Vice-president; Gerry Johansen, Secretary; Charles Morris,

BASEBALL

(Continued From Page 2)

MSM athletic department would coach a team if it could be organized. Mr. Christopher has played A. A. ball in connection with the New York Yankees and attended spring training with the New York Giants.

Do we want varsity baseball at MSM? The school has the ability and the opportunity to form a team. Why shouldn't we take advantage of both? Are you interested enough to take action to form a team? If you are interested, talk to others and arouse their interest; then see a student council representative and present your opinions.

Marshall; Bill Gunn, Historian; Pete Pulis, Steward; Dave Neale, Librarian; Tom Kelty, First Guard; Don Hayward, Second Guard; San Turall, Chaplain; and Roger Hudson was appointed Treasurer by the Alumni Board. All in all, with the capacity of the house almost doubled, we look forward to a very active and interesting semester.

SIGMA NU INITIATES

Sigma Nu Fraternity recently initiated four new members. They are: Louis B. Goldfeder of St. Louis, Missouri; Barry J. Elkins of St. Louis, Missouri; Terry W. Fender of Springfield, Missouri; and Keith H. Wilham, Jr. of Mt. Pulaski, Illinois. The initiation was held on Sunday, September 29.

NOTICE

WATCH FOR MINER

OPINION POLLS

IN STUDENT UNION

NEXT WEEK

NEWS of the Week

Birmingham: A threat of new mass protests was made by Negro integrationist leader Rev. Martin Luther King as he issued an ultimatum calling for good faith negotiations, law and order, removal of state troopers, and hiring of Negro policemen. King demanded action within two days, warning that demon-

strations would be "bigger and more determined than ever before."

Test Ban: The Nuclear Test Ban was ratified overwhelmingly by the Senate this week, and all attempts to modify it were rejected by similar large margins. This brings to 97 the number of nations participating in the ban. Only Red China and France have rejected the treaty.

Tax Cut: President Kennedy scored one of the biggest Congressional victories of his administration as the House pas-

sed his \$11 billion Tax Cut. However, the bill must now go before the Senate where its chances of passing are dubious. If enacted the cut would mean ultimate tax reductions of \$100 to \$200 per year for average families — more in higher brackets.

Military Pay Boost: The Senate passed and sent to the House a bill providing for pay increases to virtually all military personnel with over two years service. The measure, which is expected to be passed quickly by the House, calls for an annual increase of about \$1.2 billion.

UPTOWN THEATRE

MOVIES IN CINEMASCOPE

NOW SHOWING

October 3-8

One Showing Nightly at 7:00

Feature Starts at 7:45

Sunday Feature Shown:

12:45, 4:15, 7:45

Admission: Adults 75c,

Children 35c

'The Great Escape'

Steve McQueen & James Garner

—PLUS—

'Jacqueline Kennedy's

Asian Journey'

Wed., Thurs. Oct. 9-10

'Nine Hours to Rama'

Horst Buchholz &

Valerie Gearon

RITZ THEATRE

MOVIES ON WIDE SCREEN

Fri., Sat. Oct. 4-5

Saturday Continuous from 1 p. m.

'Last Train From

Gun Hill'

Kirk Douglas & Anthony Quinn

—PLUS—

'The Brides of

Dracula'

Peter Cushing & Freda Jackson

Sun., Mon., Tues. Oct. 6-8

Sunday Continuous from 1 p. m.

'40 Pounds of Trouble'

Tony Curtis & Suzanne Pleshette

—PLUS—

'It's Only Money'

Jerry Lewis & Joan O'Brien

STARTS WEDNESDAY, October 9

Admission: (Adults Only) 75c

This Picture Is for Adults

One Showing Nightly at 7:00

Feature Starts at 7:30

'Irma La Douce'

Jack Lemmon &

Shirley MacLaine

ROLLA DRIVE IN

SHOWS START AT 7 P. M.

Fri., Sat. Oct. 4-5

'Guns of Darkness'

David Niven & Leslie Caron

—PLUS—

'The Broken Land'

Kent Taylor & Jody McCrea

Sun., Mon. Oct. 6-7

'Kings Go Forth'

Frank Sinatra & Natalie Wood

—PLUS—

'House of Fright'

Paul Massie & Dawn Addams

Tuesday Oct. 8

DOLLAR-A-CARLOAD

'The Dark at the Top

of the Stairs'

Robert Preston &

Dorothy McGuire

—PLUS—

'The Enemy General'

Van Johnson & Dany Carrel

CLOSED

Wed., Thurs., Oct. 9-10

New Coin-Operated Self-Service Laundry

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SUNDAY



OCTOBER 6, 1963

WORLD-WIDE COMMUNION

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Sermon: "For Many - for You"

9:45 a. m.

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Rolla, Missouri

REV. G. SCOTT PORTER, Pastor
REV. LAWRENCE FELICE, U. C. C. F., Campus Minister



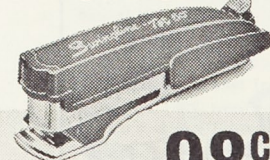
When Godiva, that famed lady fair,
Told her husband, "I've nothing to wear,"

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And said, "Wear this, my dear, in your hair!"

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MINER SPORTS

FRIDAY, OCTOBER 4, 1963

THE MISSOURI MINER

PAGE 7

Gasparovic Runs 95 Yard TD Pittsburg Hands MSM 35-6 Loss

By Tom Johnson

Last Saturday the Miners lost their third straight non-conference game to Pittsburg State Teachers college by a score of 35-6.

The inability of the Miners to move consistently on the ground proved disastrous. While the number of first downs made by each club was almost equal, the yardage made rushing slowed a great difference. Pittsburg out-gained the MSM squad on the

ground, 283 yards to 102 yards.

The bright spot for MSM occurred in the first few seconds of play when George Gasparovic gathered in the kickoff and moved from the Miner 5 yard line all the way for a touchdown. His 95-yard run on the opening kickoff raised the hopes of Miner fans, but the hope was short-lived. The try for the extra point by Leone was blocked and from then on it was Pittsburg all the way.

Pittsburg's ease in winning dulled the hopes of the Miners in conference play as Pittsburg was trounced by Springfield two weeks ago, 21-0 and last week they were hard pressed to win over Warrensburg 6-0.

Pittsburg scored in every quarter of the game. In the first period Gene John scored on a run from 9 yards out. The extra point try was good making the score 7-6. Again in the first quarter they scored on a fifty yard pass play

from Charles Howton to Ron Vignery. The extra point was made and the score rose to 14-6.

In the second quarter Pittsburg once again took command and scored on a 66-yard run by Gary Wilson. Wilson also kicked the extra point to make the score 21-6. The half ended with no further scoring.

After the intermission it was Pittsburg again, in the person of Gene John, scoring from 4-yards out. The point try was good making the score 28-6.

Pittsburg's score in the last period was not a result of their offense but of their defense. The Miners fumbled in their own end zone and Wes Watkins of Pittsburg fell on it for the final TD of the game. The point try was good and the score stood at 35-6.

The Miners passing game gained 118 yards, completing 13 of 27, but this was not enough as MSM went down to Pittsburg State 35-6.

MSM Athletes To Carry Olympic Torch

If you happen to be tooling down Route 66 into Rolla Sunday night at approximately 9 p.m., don't be surprised if you happen to see one of your fellow students tooling it with a torch in his hand. It isn't a Miner gone berserk, or the MSM track team in one of their late practices! It's part of the AAU sanctioned Olympic Torch Run, an ancient tradition which precedes the start of the Olympic Games.

The Missouri School of Mines cross country squad will run 70 miles of the course, which starts at Los Angeles, continues through St. Louis, and ends at Detroit, Michigan. At approximately 5 p.m. Sunday afternoon, the Miner team will take over the run at Waynesville. The twelve-man squad will rotate, each carrying the torch at a specific time. Their estimated time of arrival at Rolla is 9 p.m., but of course this will depend on each man's endurance. At Sullivan, the torch will be handed over to a cross country team from St. Louis.

Jim Beatty, the famed track star, will start the run from Los Angeles. The MSM cross country quad participating includes: Jim Dowdy, Mike Stiefferman, Ken Burgart, Bob Carter, Charles Bakin, Lonie Harmon, John King,

(Continued on Page 8)

SIDELINES

by Bruce T. Gregg

Last week saw the start of the Intramural Football Season here at MSM and already there is an underlying rumor heard throughout the school concerning the officials who officiate in the games. You will all agree, no doubt, that there is seldom a game played in which the referees receive no criticism at all. There is always some one, who disagrees with an official's decision and you know yourself that an individual's outburst does not stop when he finishes yelling. No, as a matter of fact, his chant is usually methodically picked up by all those around him until everyone, on both sides definitely feel that the referees are for the other side. They then state this feeling in a very high tone of voice. Thus, it can be realized by anyone with a little thought that no matter what decision is made by the officials, someone with an opposite opinion will surely step

up and loudly voice his opinion.

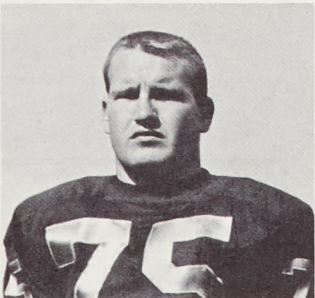
Now, no one can expect this unofficial opinion, voiced so often anything of this nature would no and so loudly during the games, to be stopped or halted. In fact doubt hinder the All American Sport of the Football Fan, and any step in this direction would be destroying an ideal of American life, namely to let the referees know they are making mistakes.

The one logical thing that can be done with this problem, is to start with the referees themselves. Here at MSM the officials are obtained from the student body therefore, men who volunteer their time to the Intramural Program. Several periods of instruction are given along with a verbal examination on the rules of a particular sport before a season starts. Only those men who are felt to be qualified are given the job, thus trying to obtain the best officials possible.

It must be realized, however that so the whole character of the referee. Thus it should be with the utmost care and fairness that an opinion is made. It is left to the conscience of an official to make a fair and just decision. To help in this matter referees do not officiate at games in their own organization's league if at all possible.

We realize that it is impossible to keep the fans quiet and this definitely would not be desired in the least bit. Then too, a definite effort is put into finding the best officials possible. Remember then, that although you and others might feel as if a particular call is wrong, the referee usually does a fair job of making his judgment.

Therefore when your next game comes up, join in with your spirit and excitement, coach your team, voice loudly your opinion of the opposition, and above all be sure and tell the referee what he's doing wrong in no uncertain terms.



KEN SMITH

for victory in the gridiron schedule, and that if he keeps up the pace, a spot on the all conference team will be waiting for him.

Intramural Schedule Includes New Army Team

By Dexter Hawk

The Intramural schedule for the fall semester at Missouri School of Mines has been announced by the Director of Intramural Sports. The program includes a wide variety of well-organized, competitive sports to satisfy the interest of all students at MSM, whether they be player or spectator.

Already competing for the first, second and third place trophies are the flag football leagues. There are twenty-five teams divided into four leagues. They are:

League I

Lambda Chi Alpha, Triangle, Kappa Alpha, Wesley, Tau Kappa Epsilon, Fifty-Niners Club, and Army.

League II

Phi Kappa Theta, Tech Club, Beta Sigma Psi, Acacia, Sigma Pi, Shamrock Club.

League III

Sigma Tau Gamma, Pi Kappa Alpha, Sigma Nu, MRHA, Theta Xi, Delta Sigma Phi.

League IV

Engineers Club, Kappa Sigma, Sigma Phi Epsilon, Theta Chi, Prospectors, Baptist Student Union.

The football leagues play in round robin fashion, then the winners of the respective leagues play for the trophies. The tennis singles and doubles are double elimination tournaments.

All entries for cross country are due October 7 and the run will be October 11. Entries are due November 7 for Swimming, Handball and Basketball. Play in these sports will commence on November 11.

This year the intramural program has a new team, Army, which is composed of army men and veterans now attending Missouri School of Mines. The Army team is expected to add to the fierce competition which now exists.

Martin-Tennessee To Oppose Football Squad

For the third straight year, the University of Tennessee Martin Branch will oppose the Missouri School of Mines in a non-conference football battle. This year, it is the Miners' turn to hit the road for it was Parents' Day at MSM last season when the Vols handed the Miners their third loss, 28-18.

As it stands now, Martin Branch has won two games and lost only one. That single loss was a costly conference duel with Arkansas Tech.

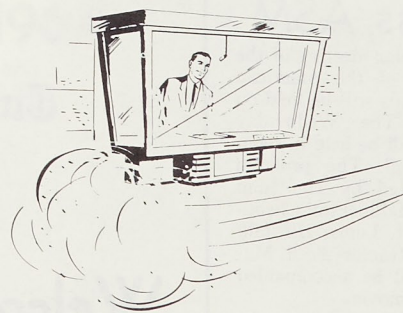
According to the Miner front office, UTMB has just about the same roster as last year. The results of last season gained the Vols the distinction of a national ranking in the college division. Scouting reports show that they have good speed this year, and that they are running the Wing-T formation a good deal of the time.

These facts, coupled with the previous scores, indicate that the Miners are pitted against a strong team. The trip to Martin, Tennessee, would be well worth the while to anyone interested in seeing a great battle between two

well-prepared teams.

The Miner squad will leave Saturday morning, arriving several hours later for the night contest. Hopes are high that Coach Bullman's squad can stop their losing streak at three games, in order to be ready to sweep the conference series. Conference play will commence for the Miners on October 12, when Southeast Missouri State College at Cape Girardeau pays Jackling Field a visit. Keep in mind that this is Parents' Day, and a football game you and your parents won't want to miss.

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Letter to the Editor

In his fourth year as a tackle on the Missouri School of Mines football squad, Kenneth D. Smith is considered one of the best linemen in several years. A six foot three, 220 pound senior hailing from Harrisburg, Illinois, Ken is considered to be a strong contender for all conference honors at the finish of this football season.

Ken takes positions on both the offensive and defensive squads, just as he did during last year's line game circuit. As well as being the fastest tackle on the Miner eleven, he is probably the strongest lineman on the forward wall. Ken makes up part of the I-2 punch at the tackle positions, with Keith Bailey at the other end.

Ken serves as captain in most of the Miner contests, and as you can see from the above statements

he is quite justified in that spot.

The entire coaching staff feels that Ken Smith will continue to play a big part in the MSM strife

DAY, OCTOBER 4, 1963
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CLOSED
Thurs., Oct. 9-10

The Harmon Football Forecast

TOP 20 TEAMS

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

- | | |
|------------------|------------------|
| 1 - ALABAMA | 6 - TEXAS |
| 2 - GEORGIA TECH | 7 - NEBRASKA |
| 3 - OKLAHOMA | 8 - NAVY |
| 4 - WISCONSIN | 9 - T. C. U. |
| 5 - NORTHWESTERN | 10 - MISSISSIPPI |

- | | |
|---------------------|-------------------|
| 11 - OHIO STATE | 16 - NOTRE DAME |
| 12 - MICHIGAN STATE | 17 - MISSOURI |
| 13 - MEMPHIS STATE | 18 - ARKANSAS |
| 14 - BAYLOR | 19 - OREGON STATE |
| 15 - SOUTHERN CAL | 20 - PENN STATE |

Friday, October 4th

Boston College	26	Detroit	7
George Washington	13	The Citadel	13
Miami, Florida	20	Tulane	8
NW Missouri	12	Nebraska Wesleyan	7
Ohio Northern	21	Eastern Michigan	19
West Chester	41	Millersville	0

Saturday, Oct. 5th — Major Colleges

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

EAST (small colleges)

Alfred	20	Union	6
Bloomsburg	13	King's College	12
Bowdoin	13	Wesleyan	7
Bucknell	21	Massachusetts	19
Clarion	26	Lock Haven	13
Connecticut	21	Temple	13
Drexel Tech	14	Lebanon Valley	13
Hamilton	43	R. P. I.	0
Ithaca	41	Brockport	0
King's Point	20	Bridgeport	19
Monclair	25	Central Conn.	0
Muhlenberg	20	Lafayette	18
Northeastern	20	Bates	0
Norwich	14	Coast Guard	12
Rochester	20	Hobart	12
Slippery Rock	25	Shippensburg	7
Southern Conn.	12	Geneva	0
Susquehanna	23	Ursinus	6
Trinity, Conn.	27	St. Lawrence	0
Tufts	17	Colby	0
Westminster	18	Grove City	0

MIDWEST (small colleges)

Akron	36	Ohio Wesleyan	0
Albion	13	Adrian	7
Anderson	13	Hanover	0
Augsburg	21	Hamline	12
Ball State	19	DePauw	15
Buena Vista	27	Iowa Wesleyan	0
Butler	21	Wabash	12
Carroll	37	Lake Forest	0
Central Michigan	22	Eastern Illinois	0
Central Oklahoma	14	SW Oklahoma	0
Concordia, Minn.	26	Macalester	13
Concordia, Neb.	25	NW College, Iowa	7
Defiance	14	Wilmington	6
Drake	34	South Dakota U.	0
E. Cent. Oklahoma	31	NE Oklahoma	7
Emporia College	19	Baker	7
Emporia State	12	Central Missouri St.	0
Findlay	23	Wheaton	12
Franklin	15	Taylor	6
Indiana State	14	Valparaiso	7
Manchester	15	Indiana Central	7
Michigan Tech	15	St. Cloud	7
North Dakota U.	19	Morningside	10
NE Missouri	25	Pittsburg	13
Northern Illinois	25	Omaha	8
Northern Michigan	20	Hillsdale	15
Olivet	23	Alma	7
River Falls	12	Milwaukee	0
St. Joseph	22	Evansville	12
St. Thomas	21	Duluth (U. of Minn.)	7
Simpson	15	Upper Iowa	13
SE Oklahoma	18	NW Oklahoma	7
Southwestern, Kan.	32	St. Joseph	0
Washburn	23	Colorado Mines	13
Wayne, Neb.	13	Doane	0
Whitewater	20	Stout	13
Wittenberg	30	Heidelberg	0
Youngstown	14	McMurray	13

SOUTH (small colleges)

Appalachian	18	Elon	15
Arlington	21	Sam Houston	17
Austin	14	Millsaps	0
Carson-Newman	15	Austin Peay	14
Catawba	16	Emory & Henry	13
Chattanooga	20	East Tennessee	14
Delta State	20	SE Missouri	8
Fairmont	13	Concord	7
Florence	14	Livingston	0
Glenville	23	West Virginia State	0
Jacksonville	21	Troy State	10
Johns Hopkins	22	Franklin & Marshall	12
Lamar Tech	15	Trinity, Texas	6
Lenoir Rhyne	17	Newberry	7
Lycoming	24	Randolph-Macon	7
Martin (U. of Tenn.)	32	Missouri Mines	7
Mississippi College	14	Arkansas A & M	7
Murray	21	Eastern Kentucky	13
SW Texas	29	Sul Ross	0
Southwestern, Tenn.	13	Centre	16
Tampa	22	SW Louisiana	20
Tennessee Tech	15	Morehead	13
Washington & Lee	28	Oberlin	0
West Virginia Tech	12	West Liberty	8
Western Carolina	23	Gulfport	6
Western Kentucky	17	Middle Tennessee	15
Western Maryland	12	Penn Military	0

FAR WEST (small colleges)

Cal Poly (Pomona)	21	San Francisco	14
Chico State	23	Santa Clara	12
Colorado College	21	California Lutheran	6
Colorado Western	14	Colorado State	0
Eastern New Mexico	25	Tarleton	6
Fresno State	28	Adams State	14
Hawaii	23	Redlands	13
Idaho State	23	Arizona State	13
Linfield	27	Idaho College	0
Long Beach	20	Sacramento	19
Montana State	31	Nevada	7
New Mexico Highlands	18	Western New Mexico	7
Occidental	18	California Western	14
Pomona	23	Claremont	6
San Diego State	25	Cal Poly (S. L. O.)	0
Santa Barbara	22	Riverside	0
Whittier	19	Davis (U. of Calif.)	7

Newman Club Hears Talk On Dating and Courtship

As things fall into a regular pattern here at MSM, each campus organization revitalizes itself for the many activities of the school year. And the Newman Club is certainly no exception.

The usual strong interest in the Newman Club was shown again this year by the large turnout for the first meeting held in St. Pat's school auditorium on Thursday evening, September 26.

For many this was a first introduction to the organization for Catholic students on the secular campus.

An introductory talk was given

by Father Sullivan, pastor of St. Pats. Following the business part of the meeting a talk was given by Father Boland, an inspiring and enjoyable speaker well-liked by the Newmanites. The club considers itself very fortunate in that Father Boland will present a series of talks on marriage, of which this first was concerned primarily with dating and courtship.

The first Newman Club meeting also served as a fine opportunity to renew friendships with old acquaintances, and the refreshments following the meeting served as a basis for this social gathering.

RANDY'S SHOE STORE

907 Pine — Rolla, Missouri

RANDY'S MEN'S & BOY'S APPAREL

907 Pine — Rolla, Missouri

pigskin puzzler

WEEK ENDING OCT. 5 — 12 o'clock

THIS WEEK'S GIFT CERTIFICATES

1st Prize	Randy's Shoes	\$15.00
2nd Prize	Randy's Apparel	10.00
3rd Prize	Randy's Apparel	5.00

RULES

- On the perforated section at the bottom place an X on the number of the team you select as winner of each game. Also estimate score and passing yardage of M.S.M. game only, which will be used to break ties.
- Entry blanks FREE at Randy's which must be turned in by 12 noon the day of the game.
- Only one entry per person, who must be over 16 years old.
- Nearest correct entries posted in our window Monday.

1. Arkansas	vs.	2. T.C.U.
3. Kansas State	vs.	4. Colorado
5. Maryland	vs.	6. Duke
7. L.S.U.	vs.	8. Georgia Tech.
9. Illinois	vs.	10. Northwestern
11. Nebraska	vs.	12. Iowa State
13. Wyoming	vs.	14. Kansas
15. Tulsa	vs.	16. Memphis State
17. Southern California	vs.	18. Michigan State
19. Michigan	vs.	20. Navy
21. Purdue	vs.	22. Notre Dame
23. Texas	vs.	24. Oklahoma State
25. Penn State	vs.	26. Rice
27. Stanford	vs.	28. U.C.L.A.

ESTIMATE SCORE OF M.S.M. GAME ONLY

M.S.M.	vs.	Martin Branch, Tenn.
Passing Yard.	Each Team This Game Only	

"X" Nos. Below of Winners Selected

1	3	5	7	9	11	13	15	17	19	21	23	25	27
2	4	6	8	10	12	14	16	18	20	22	24	26	28

ESTIMATE SCORE OF M.S.M. GAME ONLY

M.S.M.	vs.	Martin Branch, Tenn.
Passing Yard.	Each Team This Game Only	
(Sign Back Side)			

Dr. Fellows to Address ASM

The first regular meeting of the MSM Chapter of the American Society for Metals will be held on October 9th. The Wednesday night meeting will be held in room 217 Fulton Hall. The program will be conducted by Dr. John Fellows from Mallinckrot Chemical Works of St. Louis. His talk will concern "Reactor Feed Materials", and will be accompanied by slides and a movie.

The refreshments for after the meeting are being ordered in anticipation of the large turnout of new and prospective members among the under classmen. A worth while door prize is also planned.

TORCH

(Continued From Page 7)

Gary Lee, Jim Meisenheimer, Ted Moore, Edward Tharp, and Larry Winchester.

For taking part in this event, the AAU (Amateur Athletic Union) is awarding to the men an Olympic style shirt, and a pair of shoes. This is a great honor to be bestowed upon MSM, and it is hoped that many spectators turn out to witness this tradition.

Russell's Town & College Shoppe

Welcome Back Miners

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Featuring Such College Brands as:

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Phone Number _____

Give Student Number If Student _____