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The Missouri Miner, October 17, 1958

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MISSOURI SCHOOL OF MINES & METALLURGY

THE MISSOURI MINER

VOLUME 45 ROLLA, MO., FRIDAY, OCTOBER 17, 1958 NUMBER 5

Freshmen Awarded Mining And Geology Scholarships

Six new freshmen scholarships with an annual stipend of \$500 each have been made available during the past summer and five of the scholarships have been awarded for the academic year 1958-59 according to Dean Curtis L. Wilson.

The first two of the five scholarships awarded were made available by the Southwest Lime Company, Neosho, Mo., of which Russell W. Hunt, MSM '21, is president. Russell's company attained national prominence when his organization converted a worked out lime quarry into a vast storage area for surplus products for the U. S. Government and commercial organizations.

The four other scholarships are in memory of Jesse H. Steinmesch MSM '06, who died in 1952 after a distinguished career in mining and as a teacher on the campus of Missouri School of Mines and Metallurgy. The four scholarships were made available by friends and relatives in his memory.

All six of the scholarships are limited to students in Mining and Mining Geology. Five of the awards have been granted for the current academic year. The holders of the Southwest Lime Company Scholarships are Thomas Lee Carter, Roscoe, Mo., and Richard L. Reyburn, 251 Cunningham St., Richmond, Mo. Two of the four Steinmesch Scholar-

ships became available late in the summer and only one of these was filled. The additional one will be filled for 1959-60. The three holders of the Steinmesch Scholarships are Thomas Franklin Rutledge, Jonesburg, Mo., James W. Taylor, 2347 Lawndale, Kansas City, Mo. and John J. Donnelly, 119 W. Wilson, Carverville, Mo.

In commenting upon the awards, Dean Wilson said such scholarships not only perpetuate the memory of those who have made great contributions to Missouri School of Mines and Metallurgy in the past but they also help many worthy young men who could not otherwise continue their engineering education.

IFC Changes Pledge Grade Point Requirements

At its last meeting the Interfraternity Council passed unanimously two measures which were designed to improve fraternity scholarship. The first was a change in a by-law to the constitution which provided that any fraternity pledge must have attained a grade-point average of 1.0 in the semester previous to his

initiation. With the change in the grading system and the adoption of a four-point system by the school, it was decided by the Council that pledges must hereafter attain a grade-point average of 2.0 in the semester previous to initiation. This means that any fraternity pledge must have attained a C average to be initiated.

Dean Speaks at Council

Dr. Curtis L. Wilson, Dean of the Missouri School of Mines and Metallurgy has just returned from a trip to St. Louis, Missouri, where he delivered a banquet address to the Engineers Council for Professional Development. His address was titled "Road to Survival." The address, by Dean Wilson, was delivered on the evening Friday, October the ninth.

The Organization Meeting was a two day affair, starting Friday evening, October the ninth and continuing through the evening of Saturday, October the tenth, at the Sheraton-Jefferson Hotel in St. Louis. While in the meeting, the group heard various reports and discussions on numerous phases of engineering of today.

The Engineers Council for Professional Development is an organization of people interested in the development and growth of

The second move was the addition of a new by-law to the constitution requiring that any fraternity will drop from active pledge membership any pledge whose grade-point average during his first semester is below 1.75. This means that a pledge may be either depleted from his fraternity if his average falls below 1.75 or that the fraternity will place him under some form of suspension. It is felt that this measure will result not only in the early weeding out of low grade-point men, but will also serve to encourage greater effort by the pledge to attain higher grades.

There is already a by-law in the constitution which prohibits a fraternity from repledging a man who is on probation.

All of these measures have been instituted by the Interfraternity Council for the strengthening of the scholastic standing of fraternities, and is made up of two representatives from each of the fifteen social fraternities. Its functions are to improve fraternity relationships with the student body, the school, and the public, as well as among other fraternities.

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FOUR STUDENTS RECEIVE AWARDS FROM ST. JOSEPH LEAD CO.

Four students from the Lead Belt of Southeast Missouri are now currently enrolled in the School of Mines and Metallurgy at Rolla, Missouri, under the St. Joseph Lead Company Scholarship Plan.

The holder of the freshman scholarship is Barry Wade House, son of Mrs. Myrtle L. House, Bonne Terre, Mo. The sophomore scholarship holder is Donald William Burlage, son of Mr. and Mrs. William H. Burlage, Herculaneum. The junior scholarship is held by James Lynn Sago, son of Mr. and Mrs. John S. Sago, Desloge. The senior scholarship is held by Edward Eugene Hornsey, son of Mr. and Mrs. Lewis E. Hornsey, Potosi, Mo.

Under the St. Joseph Lead Company Scholarship Plan one freshman scholarship is awarded to an incoming freshman each academic year. Dean Curtis L. Wilson of the Missouri School of Mines and Metallurgy has said that the information regarding application for the 1959-60 scholarship will soon be sent to the principals of the high schools in St. Francois County and the towns Herculaneum, Fredericktown, and Potosi, Mo.

The principal of each of these high schools is entitled to nominate two boys from his school for consideration for the award. The recipient shall be a graduating senior or a graduate of the above mentioned high schools who will be enrolled as an undergraduate in any engineering curriculum at the School of Mines and Metallurgy of the University of Missouri, and who has been selected by the Faculty Scholarship Com-

mittee of the school, such selection to be based upon the results of comprehensive competitive examinations to be given by the committee, coupled with a consideration of general fitness. The recipient of the scholarship shall, at the time of his initial selection, be a candidate for admission to

(Continued on Page 10)

Triangle is Host Region Forum

Last Saturday, Oct. 4, the Missouri Mines Chapter of Triangle Fraternity played host to four chapters for their Regional Chapter Administration Forums. This year delegates from chapters at Armour, Ill., U.C.L.A. and Kansas gathered to discuss problems of a fraternity. The topics discussed were such things as pledging, rushing, scholarship, house management, alumni relations and others.

These forums take place in alternate years with the convention, and this year there are five of them being held in various sections of the country.

The forum opened with a welcoming address by Mr. Robert Malke, who is the Western Field Secretary. The rest of the morning consisted of forums on the various topics. After lunch at the Chapter House there was a General Assembly at the house and

(Continued on Page 10)

The Four Freshmen Bring Down House Monday Night



Monday night at 7:00 p.m. and again at 9:00 p.m., two full houses enjoyed the wonderful entertainment of the Four Freshmen. Providing their own instrumentation, the Four Freshmen pleased every person in the audience.

They started out tremendously with *Somebody Loves Me* and *In This Whole Wide World* with Ken Alber soloing vocally and instrumentally in the latter. Don Barbour vocalled in a tremendous arrangement of *Granada*. Ken Alber soloed again in *There'll Never Be Another You* and *They've Got Me Crying Again* while the other

three covered the song with tremendous instrumentation.

Old Folks was sung wonderfully by Don Barbour and Ross Barbour followed that with a hilarious version of *Sweet Lorraine* that brought roars of laughter from the audience. He then vocalled while all of them played tremendously to really put *Them There Eyes* over with a great hit.

After a short pause, they returned and Ken Alber soloed instrumentally with *After You've Gone*. *Malaya* was presented wonderfully with Don Barbour soloing both vocally and instrumentally. Bob Flanigan sounded his

trombone wonderfully in *Angel Eyes*.

Day by Day went over great with all four vocally and instrumentally taking part. Don Barbour again vocalled tremendously in *Memphis in June* and *Indian Summer*.

Bob Flanigan and Ross Barbour teamed up and really put on a hilarious group of short songs that brought more than roars from the crowd.

The Four Freshmen closed the evening program with *Street of Dreams*. During the program, other songs played were *There's No One But You*, *Blue World*.

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. Entered as second class matter February 8, 1945, at the Post Office at Rolla, Mo., under the Act of March 3, 1879.



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Letters To Editor

Gentlemen:

In my years here at M.S.M. one thing has never ceased to amaze me, and that is how the school can give only two hours credit, more or less, for some of the labs that are planned by some of the departments.

Some of these labs are not what you want to do when you get out of school, much less in your own department.

From my own personal experiences I have spent much more time writing a lab than I have in studying the lecture or working some of the problems. I ask you is this right?

I am not opposed to having labs but I do think most people work too hard for what they get out of them. It occurs to me it might be advantageous to have more math or an extra few hours in specializing in your chosen field. Also this time could be used in doing some outside research in some field which would be of interest to the student.

It would be of interest to me as well as some other people to hear a reply to this letter.

Report on Senior Jobs

"There is a job for everyone, but you will have to work hard." This is the philosophy of job-hunting upperclassmen, according to Assistant Dean Vernon Gevecker. If a Senior already has a job he should give Assistant Dean Gevecker the necessary information, and if unemployed, purchase an interview information form. In filling out this form, the student should attach his or her photograph in the upper left hand corner of the information sheet

and deposit the blank at the Assistant Dean's office.

In regard as to where the majority of the Seniors will find jobs, Assistant Dean Gevecker says, "Most of the men will be employed in industrial work rather than Government projects." Job preferences and dislikes are solely up to the individual.

When asked whether he preferred graduate or undergraduate degrees, Gevecker replied that he definitely preferred graduate degrees. It is obvious as to the difference of starting salaries between a masters or doctors degree and a Bachelor of Science degree. Last year Master of Science candidates were about 10 per cent of the total number of Bachelor of Science candidates. Doctors of Philosophy candidates were few and found only in the Ceramic, Chemical, Metallurgical Engineering, Mining Engineering, and Geology Departments.

The starting salaries offered by various companies interviewing seniors this year has been restricted, respecting the privacy of those who might have these companies in mind as possible employers.

Available are the starting salaries of last year stated monthly and based on the forty-hour week as follows:

	Low	Avg.	High
Ceramic Eng.	\$450	\$475	\$500
Chemical Eng.	450	488	520
Civil Eng.	450	473	580
Electrical Eng.	450	496	580
Mechanicl. Eng.	434	482	540
Metallurgcl. Eng.	450	491	556

Mining Eng.	465	472	475
Petroleum Eng.	400	466	505
Science—Geol.	400		438
—Physics	470	505	530

Class Average—\$484.34.

For those in research, teaching, foreign work, and civil service, average salaries are as follows:

Civil Service	\$325.00
Teaching	366.00
Research	400.00
Foreign Work	725.00

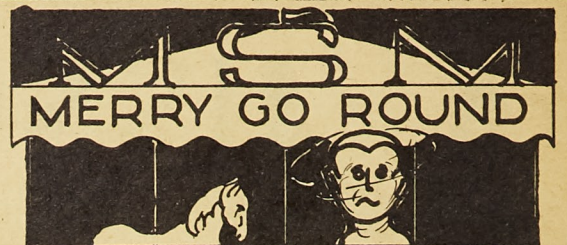
In strict accordance with Assistant Dean Gevecker's opinions all of these fields are wide open for Seniors and Graduate Students who care to explore the many opportunities given them by the various interviews discussed in this article.

After four or more hard years of study and concentration you are finally ready to put all of your skill and learning into practice. Attend as many interviews as you are able and take great care in making a final choice as to your future employers for the nature of the greater part of your life will depend on your sound reasoning and final judgment.

A Freshman In Rolla

Do you long for a date every other night? Do you miss the feminine atmosphere of your high school days? Are you one of those fortunate boys who had a car of his own but due to forces beyond your control had to leave it at home? Are your feet tender, yet you walk away beyond their capability daily? Don't you like to take tests, particularly that special kind, aptly named shotgun? Are you one of those poor abnormal boys used to eight hours of sleep each night? Do you stumble over the morning paper when you go to bed? Does the glare of the dawn make it difficult for you to distinguish one math problem from the other? Are you a proud member of our armed forces, helping to settle the Mid-East problem on the drill field three times a week? Do you dream of the day when as a Senior Cadet Brigadier General you will graduate with a commission as a second lieutenant in the U. S. army? Are you constantly nodding and falling asleep in class every day for no apparent reason? Do you go to a school that is characterized by a gigantic shaft in the middle of the campus? If your daily routine fits

all of these qualifications in general, my friend, you are undoubtedly a student of MSM (Missouri School of Misery). But bear with it, men, for a graduate from MSM will never be hampered by the cost of high and easy living. As the old saying goes, "You never miss what you never had."



Hello, friends. What you are about to read is being presented in black and white. The white background symbolizes the purity of thought, while the black is present only to make the material easier to read. The contents of this article may be of no importance, but they sure are useless.

Record albums are being released today with some rather interesting titles, the most interesting of which appear on Mood Music disc. Jackie Gleason and several other good orchestra leaders have LP's with such titles as "Music for Lovers Only," "Music to Change Her Mind," "Music to Listen to Music By," "Music for Expectant Mothers," etc., etc. We of the Round Staff would like to see a new album entitled "Music to Launch Satellites By." Perhaps an album of such caliber could actually help the government become successful in the satellite field. A few of the songs that should be included are "How High the Moon," "I Can't get Started," "Guess I Have to Change My Plan," "Now is the Hour," "Shake, Rattle, and Roll," "Can Anyone Explain," and last, but not least, "Ain't it a Shame."

There were several comments made about the picture that appeared on the front page of last week's MINER. This is not, we repeat, this is not, a picture of any of the buildings on Campus. It is a picture of the University of Moscow which appeared through the courtesy of the DAILY WORKER. If you don't know what the DAILY WORK-

ER is, consult your local Communist Party. Their telephone number is not in the Yellow pages but if you will drop a postcard to the House of UnAmerican Activities Committee, Washington, D. C., they will be glad to give you personal aid in contacting the Party. Ask for Herbert A. Philbrick.

Hey, you guys, do you know A. V. Martin? Well, Mrs. A. V. Martin is his wife and she won a Hula-hoop contest in Jefferson City last week.

Most of the fraternities on campus held their Pledge Dance last week-end. For the benefit of those persons who are burdened with the task of writing home to their parents and relating the financial cost of the parties we have drawn up the following form letter which can be clipped out and mailed:

To whom it may concern.

I regret to inform you I spent \$143.89 last week-end. You might think this sum is a trifle high, but I assure you I cut all the corners I could.

First of all, I spent \$100.00 for transportation for my date from Waynesville (She was hitch-hiking and got caught throwing trash on the hiway).

Second, it cost \$25.00 for her room (She was on the third floor of the fraternity house and I got fined).

Third, for Friday and Saturday nights it cost \$5.95 plus 20% Federal tax for Cokes and orange aids.

Fourth, it took \$10.00 plus \$1.50 tip to get her to give my class rings back.

Fifth, the favor cost me \$.25. That's about all, folks. Cash, check, or money order will be accepted.

Your everlovin' son,
Flebus

Be it by these presents known that this is the livin' (or dead) end of the Merry-Go-Round by Bax and Mox Nix.

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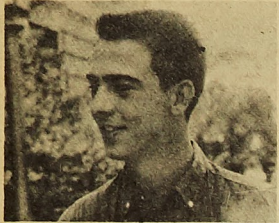
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Earl L. Jones — Harry W. Allen

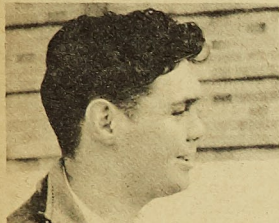
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ROVING MINER

Question: The launching of the Air Force's Pioneer has brought us closer to a manned trip to the moon. Would you like to be the first man to land on the moon?



Fred Duensing, Fresh, Mechanical Engr. Yes, I would be glad to if there was a reasonable chance for successful landing and returning.



Gary Denney, Jr., Electrical Engr. No, I wouldn't want to risk it. The chance would be too great. They would have to make quite a few trips before I'd try and maybe not even then.



George Knickerbocker, Jr., Electrical Engr. Yes, I'd like to go for no other reason than to be the first one to get there and be a pioneer myself.



Dave Anderson, Sr., Metallurgy. I think it would be a novel experience but I wouldn't want to be first. Maybe I would go after several trips had been made.

1. "New suit?"
2. "Yep, isn't it a swell fit?"
3. "Fit, hell — it's a convulsion!"

Missouri Miner Feature of Week

There have been several recent developments in the young field of atomic energy. The Geneva Conference brought several of these new ideas out of the shroud of secrecy in which many countries hide their nuclear accomplishments.

One of the major announcements at the conference was made by the Russians. They reported that they had a working 100,000 kilowatt reactor. The real significance of this report is questionable. It is true that this is the largest reactor yet disclosed but apparently it is conventional in all respects except size. If this is their outstanding accomplishment in this field it isn't of as much importance as the Russians place on it.

At the present most conventional designs are obsolete as they come off the drawing board. It is not building a working reactor that is difficult but rather finding a design that will compete profitably with steam powered systems.

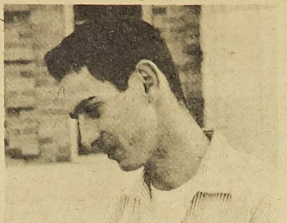
At Geneva the British announced the construction of a reactor having a core temperature of 500 degrees C. This compares to the 180 degrees C core temperature of the large Russian reactor. This higher core temperature will increase the efficiency of the reactor. The British also announced the use of graphite closures for fuel elements. The fuel is a refractory oxide slug and the coolant is an inert gas. The usual coolant has been a liquid. These liquid coolants have a much greater corrosion problem than a gaseous coolant. The Atomic Energy Commission sent in a proposal last month for a gaseous cooled reactor. A gaseous coolant also al-

lows a higher core temperature. A reactor using a beryllium oxide closures is at the drawing board stage. This would allow an even higher core temperature.

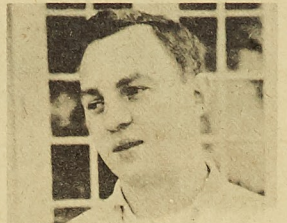
The trend for the next 5 or 10 years will probably be to increase the efficiency of fission reactors by increasing their core temperatures. The thing to follow up these future developments will be the perfection of a fusion reactor.

The feat of harnessing the process used by the sun to produce heat is a big one. There have been experiments performed with fusion before but it isn't known if the products obtained come from actual fusion or not. Due to the temperatures involved the reactions are limited to a few microseconds. The main problem involved is to find a method that will produce a self-sustained, controlled reaction. It will be one of the most outstanding engineering accomplishments of all times to design a setup that will contain 50 to 300 million degrees Kelvin and purify the deuterium gas used to remove the products formed from the contamination of the closure. In this process the deuterium gas (heavy hydrogen) is fused into helium molecules and energy is released.

Estimates at Geneva placed power from fusion 15 to 20 years in the future. The British estimate the world's total consumption of power is equivalent to that which could be derived from 6,000 million tons of 12,000 BTU coal per year. If we continue to use energy at this rate there is enough deuterium in the ocean alone (not counting the polar caps where the content is somewhat higher) to supply the world's power for 10 billion years.

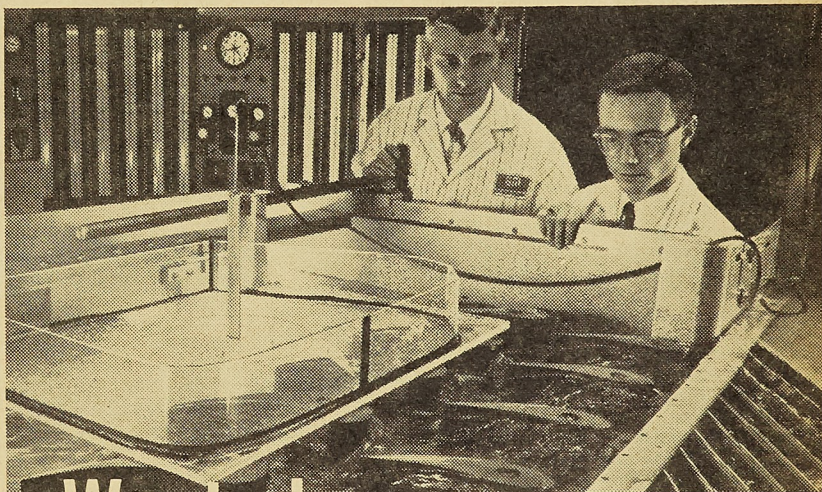


Tom Colandrea, Sr., Metallurgy. If fully qualified and with proper training, I'd be glad to go for the country's and my own personal esteem.



John Steele, St., Metallurgy. No. I'm a family man and my family comes first, before science.

TEAMMATES—Young engineer Warren Conner—B.S.M.E. 1956—teams up with Armand J. Bilitzke of GM Engineering Staff's Transmission Development Group to test blade-shape models for torque converters. Mr. Bilitzke helped design flow table which is unique to the automotive industry.



Wanted: Inquiring Minds

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ALUMNI NEWS

The joint School of Mines—University of Missouri Section of the Alumni Association, at Houston, Texas, staged a "Missouri Day in Texas," October 4, for all alumni and friends of the School residing in Texas.

A reception was held in the morning at the Rice Hotel honoring Lt. Governor and Mrs. Edward V. Long, of Missouri, and President Elmer Ellis of the University of Missouri. At noon one hundred and twenty-five alumni and guests assembled in the Crystal Ballroom for luncheon. The

Secretary of State of Texas, Zolie Steakley welcomed the group in behalf of the Governor of Texas. Brief talks were made by Governor Long and President Ellis.

After the luncheon the group boarded the Missouri Pacific's football special for College Station, Texas to witness the Missouri University - Texas Aggie football game.

The MSM Alumni Association was represented by Ike Edwards, Executive Secretary of the Association, from the Rolla campus.

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GRADUATES

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to answer questions about
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Miners Trample Mules 26-14 in First Conference Game

Wheeler, Parker, Cooper, O'Mealy Star Together

Mules Score in Last Minute 40 Sec.

by Jerry Luecke

The Miners opened their '58 conference schedule at Jackling Field Saturday afternoon, with a game with Warrensburg. Many Warrensburg fans graced the stands hopefully displaying signs of "Go Mules Go." But on this fine day, however, the Mules were going nowhere as the Miners very efficiently axed the Mules to the tune of 26-14.

The Miners in their first M. I. A. A. game looked like they were starting to jell into a solid unit, and the visiting Mules undoubtedly felt the same way, as the Miners passed and ran to perfection especially in the opening half. The quartet of Wheeler, Parker, Cooper, and O'Mealy sometimes made the Mules feel as if they were in a circus ring with Parker, Cooper, and O'Mealy making every conceivable catch of Dub Wheeler's passing. In addition to the vaunted passing attack, the Miner backfield made some very fine running plays, in particular Pat O'Mealy's 62 yard touchdown sprint.

Warrensburg displayed a fine power game, and on the strength of Jerry Boyce's and Norm Patrick's running, the Mules picked up a lot of yardage. To the misfortune of the Mules, however, most of their gains were made in the middle of the field and they never seriously threatened to gain paydirt until the final moments of the game.

Warrensburg, with all their power running up the middle, showed an inability to go around the ends to any degree. On almost every occasion the Mules were stymied when they tried to turn the corner around end. With the threat of the opposition going around end almost nullified, the Miners were able to concentrate the defense of the middle of the line thus keeping the Warrensburg backs from breaking out for the long gains which could have hurt the Miner cause.

The MSM men broke quickly into the lead in the first quarter with two touchdowns. The first Miner tally came when the Miners marched 44 yards in seven plays with the final blow coming as a five yard pass from Wheeler to Cooper. In that series of plays, Wheeler hit three passes good for 34 yards. Parker's point after attempt failed. The second touchdown of the quarter came when Pat O'Mealy snaked downfield for 62 yards climaxing an 86 yard drive thus making the score 12-0. Parker's PAT attempt again failed.

The Miners scored again in the second quarter on a one yard plunge by Bill Wheeler. The touchdown was set up by O'Mealy's 52 yard pass interception, and a chain of curious events including the exchanging of a

couple of fumbles. Parker's point after was good making the score 19-0.

The final Miner tally came early in the third quarter with Cooper grinding out eight yards for the TD. Cooper's final push was the end result of a 69 yard drive. In this particular touchdown march, Wheeler hit two passes good for 23 yards.

Warrensburg scored its 14 points in the final minute and forty seconds of play. The Mules first TD came on a 15 yard pass from third-string quarterback Jerry Boyce to Bruns. Earlier in the touchdown march Boyce hit Bruns for 25 yards.

The second Warrensburg touchdown came on the strength of an intercepted pass and an extremely helpful penalty. Boyce finally went over for the TD on a one yard plunge. Both point after attempts were good by Sayles. The two touchdowns, however, went for naught as the final gun sounded with the Miners holding the upper hand 26-14.

STARTING LINEUPS

MSM	Position	Warrens.
Metcalf	LE	Dahman
Meisenheimer	LT	Hawthorne
Gay	LG	Valerio
Hillmeyer	C	Freeman
Ingram	RG	Katz
McCaw	RT	Mountjoy
Booth	RE	Davies
Wheeler	QB	Fredericks
O'Mealy	LHB	Gieringer
Cooper	RHB	Boyce
Parker	FB	Patrick

SCORE BY QUARTERS

MSM	12	7	7	0	26
Warrensburg	0	0	0	14	14

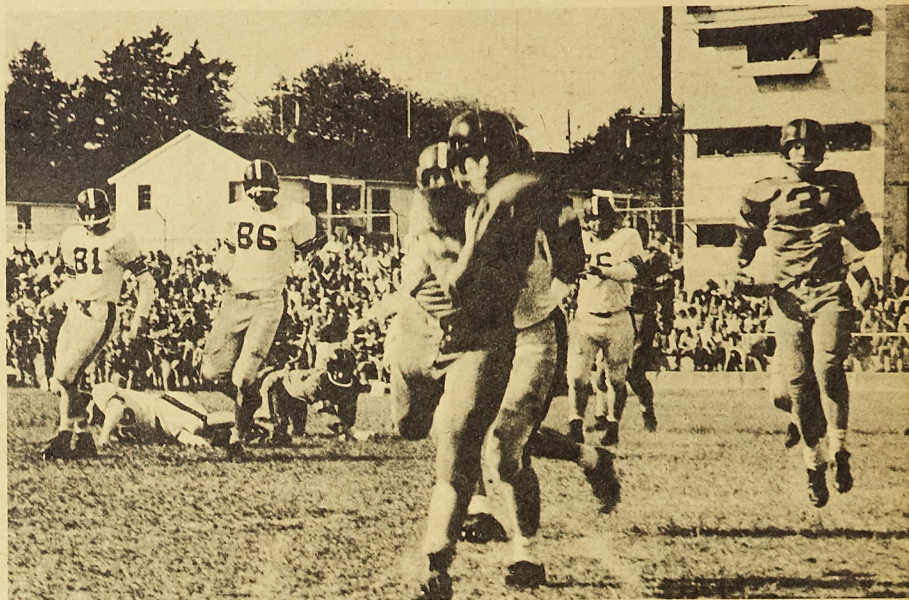
STATISTICS

	MSM	W.
Earned first downs	14	21
Punts	6	6
Yards punts returned	19	37
Yards lost, penalties	77	103
Yards gained rushing	213	278
Yards lost rushing	28	32
Passes attempted	23	18
Passes completed	14	7
Yards gained, passing	147	103
Passes intercepted	1	1

INTRAMURAL Sports

The powerful Engineers Club has fallen. Last week out on Ye Olde Intramural Field two powerful teams clashed, Engine Club, and Triangle. Engine Club hadn't lost a game in two years, what a record to go into a game with. Just like Oklahoma, winning better than forty games, the pressure was on every game.

But Triangle came up with a better team and beat the Engine Club. Triangle House pulled a



Looking quite helpless and a bit dismayed, half of the Warrensburg team make witness to the first touchdown catch of Coopers. (No. 1, with ball) Wheeler threw the six point pass early in the first quarter. Parker (No. 3), looks on.

bit of unorthodox strategy that payed off. They played a seven man line with the ends covering ends and it won the ball game for them.

But the Engineers are still in the game, so don't underestimate them they are going to be hard to knock out of competition and after a loss a team usually plays better ball.

This leaves Triangle and Tech Club, Kappa Sig and Sigma Nu still playing without a loss and all four teams are looking great. There will be two teams left for the finals after this week.

In the losers bracket there are eight teams left, one more loss will put them out for this season. Those teams are Delta Sig, Tau Kappa Epsilon, Kappa Alpha, Lambda Chi Alpha, Theta Kappa Phi, Sigma Phi Epsilon, Beta Sigma Psi, Engine Club. The football season is drawing to a close and the better teams are coming into stronger competition. Mother nature is starting to shut out daylight earlier and some of the games are closing in the dark and with no light things can get rather tough.

In table tennis singles Theta Kappa Phi, Kappa Sigma, Dorm, Lambda Chi Alpha are riding high in the winners bracket. With Sigma Pi, Tech Club, Sigma Nu, Engine Club, Pi Kappa Alpha, and Sigma Phi Epsilon, fighting in the losers bracket. This table tennis is turning into a tough race, with all the remaining teams putting their best men behind the table.

The tennis singles are drawing down to the line. With Don Gunther of Theta Kappa Phi walking off in the winners bracket not losing a game. Don showed great skill with a tennis racket, his speed and reflexes help his cunning to win the match.

This week Hampe of Lambda Chi will play Weber from Shamrock, in the losers bracket the win of that game will meet Gunther in the finals for the cham-



by Dave Ford

MIAA conference ball got underway last weekend with some very unexpected results. Kirksville, carrying an underdog rating into their Friday night game with Springfield upset the Bears 39-7 in a very strong victory. In another surprise, the MSM team soundly outplayed the Warrensburg Mules to gain a 26-14 victory.

In the Kirksville game, the bulldog halfback, Dale Mills again put on a fine show by scoring four TD's and collecting 298 yards rushing in the game. The two Kirksville backs, Mills and Davis, continue to rank in the top five conference groundgain-

pionship.

The winners bracket in table tennis doubles is composed of Theta Kappa Phi, Tech Club, Kappa Alpha, and Sigma Nu. These teams are doing a fine job and are in the race all the way. The losers bracket Engine Club, Pi Kappa Alpha, Beta Sigma Psi, Sigma Nu, Lambda Chi Alpha, Acacia, Sigma Phi Epsilon, are still left but can't afford to lose another match or they will be out.

Those four sports listed above are drawing to a close; they have provided some fine action and interesting incidents and the champions will be decided in the next two weeks so all students go out and watch the games.

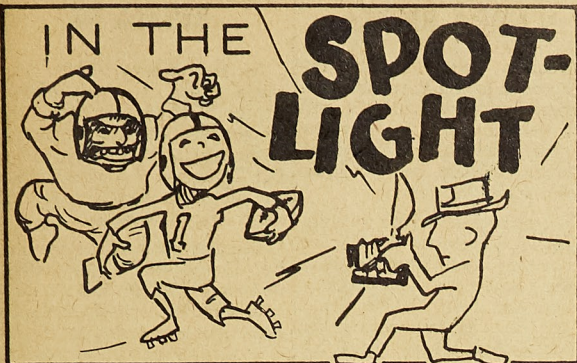
ers again this week. Although Davis has not scored much he has an 11 yard per try average, something which any coach would be happy with.

In the Rolla-Warrensburg game, the Miner defensive team looked good, holding Warrensburg star fullback Norman Patrick to a 3 yards per try average. But the MSM offense looked even better, as Bill "Dub" Wheeler, who last week ranked third nationally in small college passing, continued to burn up the air with 14 for 21, or an even .666 for the game. Tom Cooper, also ranked nationally as a pass receiver pulled in some nice passes. The Miners looked good on the ground as Pat O'Mealy put on a fine running game. Pat is shaping up as a fine broken field runner, as he demonstrated with runs of 63, 15, and 6 yards, plus a pass interception run of 54 yards that was called back on a penalty.

In a game between last year's champions, Cape, and Maryville, the Indians outplayed the men from Maryville with a 33-14 victory.

The game of the week will be MSM vs. Cape a clash of an experienced Indian squad against a spirited Miner team. Others to watch will be Springfield vs. Maryville and Kirksville against Warrensburg.

M-Club election of officers Thursday, Oct. 23, 7:30.



Gale Bullman

Pictured above is the man responsible for having led the Miners football team to six league championships in his 21 years of coaching at MSM. During this time Coach Gale Bullman never has had a football team finish below 3rd place.

Gale started his athletic career back in the 1920's at West Virginia Wesleyan College. While at West Virginia Wesleyan Gale lettered in basketball, baseball, track, and football. Later he was chosen as an end on the exclusive Walter Camp's All-American

football team. After playing two years of pro-ball Gale took a coaching job at Washington University in 1926. During his coaching days at Washington U. Gale worked through and graduated from W. U. Law school in 1930, and is today a member of the Missouri Bar Association.

In 1936 Gale pulled up stakes and moved to Rolla to accept the head coaching position here. Since then his service to the school has been interrupted only once and that was to serve in the Pacific with the Navy during WWII. Last year Gale was honored by the Alumni Association, with a clock, for 20 years of service to MSM and its activities.

Mr. and Mrs. Gale Bullman have four children and two grandsons. Gale and his wife Gale — spelled the same — are mighty proud of the children. The oldest, Howard, 25 years old, is now making a career in the Navy's Air Corp. Howard is a graduate of our own Civil Engineering Dept. and played three years as quarterback on the Miner team. Next oldest is Storm, who is 21 and married with two sons. Nineteen year old Cay is attending Kansas U. while her younger brother is a sophomore at Rolla High.

Among the many jobs performed by Gale is the immense intramural program at MSM. This year the program has been somewhat stymied by the building program now in progress. It is expected to resume its previous size at the beginning of next year's season.

The admiration and esteem that the student body has for Coach

TONIGHT: Miners vs. Indians at Cape

by J. P. McKeone

Tonight, the Miners continue MIAA League play by taking on the South East Missouri State College Indians at Cape Girardeau.

The MSM-Men should be in great form after their 26-14 romp over Warrensburg last Saturday, and the game promises to be a good one. The Miners are in their usual excellent shape, and the Indians are reported to be looking forward to this game to test their horns against a tough league team.

The MSM-Men were badly defeated by the Southeasterners last year, one of the victims of Cape's "March to the Championship," during which the Miners found

themselves on the short end of a 32-0 score. The picture will be different this year, if the Miners have anything to say about it, and they should. The Miners have shown their vast store of power in previous games and, though this is only their second league game, we can hope the MSM-Men can add Cape to their list of defeated foes.

Since 1906, when the first records were kept, the Miners have won thirteen and tied two of the twenty-six games played. In 1955, the Miners lost, 9-6, and in 1956, the Indians went under, 10-0; the 1957 game found the Miners on the shy end of a 32-0 tally, so it is up to the MSM-Men to even up the score.

If you can't make it down to the game, be sure to tune in Jerry Berry's broadcast tonight at 8 p.m., on KTTR.

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Fraternity News

DELTA SIGMA PHI

Routine was the key word around Delta Sig last week. Everyone seemed to be settling down for a few weeks of study before party time rolls around. Our Pledge Dance is scheduled for November 1, and plans are under way for the best party ever, or at least until the next one.

Looking on the sports picture, Delta Sig won their second game Monday, October 6, beating Shamrock Club 13-7 in a down-to-the-wire battle. With their spirits up, but hobbled by injuries, Delta Sig could not match the Tekes Friday night, as they went down to defeat 14-0. This defeat made us bow out of the football race, as it was the second loss. Nonetheless, the football squad ended up with a 2-2 record; a record which may not show high in percentage, but indicates the enthusiasm of our small squad. We hope to retain this spirit as we turn to basketball.

Many passers-by have probably noticed the immense hole we have dug in our own "God's little Acre." No, we're not looking for Darling Jill, just having some plumbing trouble. A word to the wise! If you walk across our lawn, watch your step, or you won't be reading this bit of wisdom next week.

PI KAPPA ALPHA

Last week started with everyone anticipating the big weekend. The Pledge Dance decorations were in the making, last minute dates were made, or canceled, and special meetings were held. Everybody rode out the pre-dance week activities pretty well except for the agile sophomores. Physics quizzes seemed to be their most important topic. The juniors and seniors had to hear all about the snow falling inside and outside of Norwood Hall.

Congratulations to Dave Law and Joyce Jones. Dave pinned Joyce during the Pledge Dance. The brothers who helped on decorations for the Dance deserve a big hand for their work. These men were: Bill Kruger, Rich Schneider, Ed Brenke, Fred Berg, Lon Kieffer, Bob Piekarz, Mac Jones, Ron Rath, Ralph Sheppard and the pledge class. Bob, incidentally, is a handy man to have around when he has a brush and paper in his hand; the Talon Zipper will testify to this. Don and Rog launched the old hallway lantern in the air for the weekend.

Thank you Mr. and Mrs. Bert Smith, Mr. and Mrs. Bill Atchley Dr. and Mrs. Roger Nolte, and Mr. and Mrs. Bob Eck for being our chaperones.

LAMBDA CHI ALPHA

A vote of thanks goes to the pledges of this semester for planning a wonderful weekend. Everyone agrees that it was well organized and entertaining. We had many visitors from the other fraternities as well as members of the faculty. Even through Saturday festivities highlighted the weekend, Friday night provided the brothers with a weiner roast on the banks of Little Piney River. Many of our guests were from Lindenwood College and we want to thank them for their gift as it will be a fine addition to the house.

The football team after getting bogged down in Thursday afternoon's rain came from behind Friday afternoon to move forward

towards the finals. After studying the tennis situation, Brothers Helgeson and Hampe are going to have to play each other. Since they have but one tennis racket between them, possibly a Tennis Racket Corporation can be formed similar to the Hula-Hoop Corporation to get another racket.

THETA KAPPA PHI

Last weekend was our first dance weekend of the year, and what a party it was. Whoopee! There were about fifty dates here for the weekend which turned out to be one of the biggest in years. Everyone enjoyed the beach party Friday night, but the dance Saturday was the most.

Congratulations to Charles Krysl who has been elected to the new office of Assistant Treasurer.

Don Gunther has won the winners bracket of the tennis singles, and we wish him lots of luck in the final playoffs. Also our table tennis singles and doubles haven't lost a game yet. Keep up the good show guys.

TAU KAPPA EPSILON

Well, another Pledge Dance is now history, leaving behind many pleasant memories, right Ken? Everybody, Stags, Drags, and anl those in between, had a good time. Loverboynik Qualls' advertisement in last week's house article paid off in full, didn't it Bob?

The Tekemifers stormed over Delta Sig, 13-0, Friday night, on 15 minutes notice about the game, showing that we're not out of the running yet, ever though Sigma Nu came out on top in Thursday night's game 19-12.

Everybody is tired out after a weekend of partying, so I'll have to make this masterpiece short. Like in The End.

SIGMA TAU GAMMA

The pledge class has chosen several of its members to chart its course through the various nefarious deeds it intends to commit during the semester. Head pirate, assistant head pirate, and booty keeper are pledges Leach, Coyle and Moon, in that order. From brother Knoll's narrow escape, it seems they have a few plank-walking parties planned at yonder pond. Caution is the order of the day.

They've also flung a vile challenge to the actives, in the guise of a basketball game. All pledges have been ordered to volunteer for this encounter, with instructions to draw blood if possible. Ah, the unsuspecting innocence of these precocious little darlings. As weeks and months come and go, sadder and wiser they will grow.

This week's book length, true romance thriller: Ski has found a new true blue love to replace the long-lost one at the Mizzou U. playboy paradise. If you want details in a plain wrapper marked "Personal" send \$1.00 to Ski. You won't get any details, but he can use the money.

BETA SIGMA PSI

For the first time in weeks "Pretty Boy" is smiling again. One of those lost letters from Valpo finally showed up.

The football team came up with a last minute victory over Acacia by the score of 12-7. Our ping-pong doubles team was defeated

for the first time last week by K. A. Tough luck, boys.

As a parting word of advice: Look out Ray, Florence is on the loose.

(This article written by the molding hand of R. Billen.)

KAPPA ALPHA

The party at the Grotto was a big success and the dance came off fine. After the dance I don't know how things came off. I guess it was pretty much up to the individuals. I mean how much fun they had. Well you know what I mean.

Harvey the white rabbit (and auxiliary firebug) was up to his usual little tricks, filling the house with the pleasant aroma of roasting flesh. My, those girls can scream, can't they Harvey?

The usual assortment of stags were there, gazing with green-eyed jealousy at the large volume of beautiful girls. There weren't so many girls, but there was plenty of volume.

Well troops; as the ancient Averill says: "Nothing exceeds like excess," so I'd better fade away into the gathering dust.

KAPPA SIGMA

What a blast! That's what everyone is saying about this past Pledge Dance weekend. It will take quite an effort for everyone to take their mind off the recent weekend activities and put their noses back in the books.

The decorations which were designed and constructed by the pledge class consisted of two large pledge paddles and a mechanically operated beany which tipped to all guests as they entered the house. Friday evening found all the Kappa Sig. spelunkers in the country for a rough and tumble cave party. Saturday night was the big event as an exceedingly large crowd enjoyed the annual semi-formal Pledge Dance.

Prior to the weekend, the football team remained undefeated as it romped to a 14-2 victory over Lambda Chi Alpha.

Our congratulations are extended to brothers Richard Oberlander and Tony Classe on getting pinned. Thanks for the cigars fellows.

SIGMA PI

As the semester rolls on it brings a lack of subject material for the Miner Article. Why doesn't someone chuck a graduating senior into the pond. I understand Bill Thompson and Harold Olsen are on deck. Anything for the cause, or just because.

The past weekend saw the passing of the year's first official work weekend. In fact it seems some work was actually done. The work done was mostly in the line of repairs as opposed to new projects. Quite a bit was accomplished and a few more such weekends should find the Sigma Pi house in good order.

After getting a late start the Sig Pi football team finished on the dark side of a 12-8 score, in more ways than one. It seems the intramural field lights were torn down for the new field which isn't as yet. Both teams played a fine game for the first ¾ of the time, after that it was too dark to see what happened. We wish the Theta Kap team, good luck, in football.



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SIGMA PHI EPSILON

The new flag pole erected in front of the Sig Ep house usually flies proudly from dawn to dusk. The usual inferring that the weather in this fair city is anything but fair. However on the party weekends the traditional S.O.T.F. banner is displayed. The elite membership of the S.O.T.F. clan has one requirement that one uphold the motto diligently.

The pledge class started things rolling this weekend with a fine idea for a blanket party, as their theme was Rendezvous at the Red Door. It was held at Lions Park, the scene of a pledge outing exactly one week before. Saturday at the house the pledges and their dates hastily hung up the last of the decorations; consequently what was lacking outside was made up for on the inside. This vivid atmosphere was accentuated by the blue lights and the fancy low hanging crepe paper. By the way was that Dizzy rockin' and rollin' about two in the morn, or did anyone get their gaze away from the gorgeous critter he was dancing with? Terry Johnson has come forth with the solution of what to do with 250 pen pal letters he has received in the past weeks; he is now collecting stamps.

ACACIA

Rolla High cheerleaders, beware! Your jobs are in jeopardy. That one row that was made up completely of Acacians last Friday night at the game against Thayer must be reckoned with. We were quite proud of our cheerleading abilities until one of our fellows started a basketball cheer, at which time we lost a bit of our enthusiasm. Well, you really have nothing to worry about; none of us are as pretty as you are, and it would be rather ridiculous to have twenty-five cheerleaders.

Most of our membership is of the Sophomore class, and as a result of Tuesday's physics test, most of us were in morose spirits that evening. The moroseness was compounded by the fact that our intramural football team was eliminated from the tournament that same afternoon in a last-minute 12-7 loss to Beta Sig. However, our table tennis doubles team of Wayne VanZante and Don Trabue is still in the running.

Mr. R. E. Peppers Speaks to AIME

Mr. R. E. Peppers of the St. Joseph Lead Co., spoke on the subject of what industry expects of the engineering graduate, at the first meeting of the Metallurgy Section of the A.I.M.E. on Wednesday, October 15, at 7:30 P.M. in room G-10, Fulton Hall.

Mr. Peppers, a 1950 graduate of M.S.M. has been with the St. Joseph Lead Co. since receiving his degree. While at M.S.M., Mr. Peppers was president of the student council, and Blue Key, received the Silver Key Award, was a member of Tau Beta Pi, and Theta Tau.

An excellent speaker, Mr. Peppers was able to answer most of the questions that have been plaguing not only seniors, but also juniors through freshmen, concerning that all important first job.

Some of us don't know how well off we are, or has that been said before?

Independents News

Prospectors Club

At the "Big White House" things were quiet. We are out of the current Intra-mural events so our "Jocks" are resting up for the future. Speaking of the future, we of Prospectors will have our annual fall outing this weekend at Lions Park. Hope to see all of our boys out there with their mugs and laughter.

Well, that's all from "Big Mouth." Oh, yes. May I extend sincere sympathies to Larry Zeigler and to the rest of the slob who rooted for Milwaukee. Five dollars shot. (HA HA)

Despair is not in my dictionary.

Engineers Club

The club footballers lost a tough one to Triangle in a play-off after tying in the regular game, 6-6. This puts them in the losers' bracket against Beta Sig Monday. They aren't down yet by any means.

All the armchair quarterbacks and sports fans had a field day last Thursday and Friday, egged on in their efforts by a deadpan character who was busy taking pink paper out of one pocket and stuffing green paper into another one. Who'd have thought Texas would do something like that? There oughta be a law.

A thorough cleanup under the direction of Ron Avery really put the old homestead in top shape Saturday. Our thanks to Ron and a crew of energetic freshmen and new members for making things livable.

You foam fiends and connois-

seurs of the nectar of sweet oblivion mustn't overlook the fall festival coming up Saturday. Been shot out of the saddle recently? Just flunked your first four hour quizzes? Things will look considerably better with a few under your belt. If you can still see.

Tech Club

Well, that's the way the crazy square ball bounces. The Yankees have come through as the World Champions again. One member of the Tech Club, namely Bert Godfried, was very satisfied with the results. He has been wandering on cloud seven ever since. For all you Brave fans maybe next year.

That is the way things are happening on the outside world. But back here in the state of Misery, the Tech Clubbers are starting to improve on the field of combat. The table tennis doubles team has

stayed in the winners bracket while our singles player is holding his own. The football team squeaked by with a 14-7 victory over a very sharp team fielded by Sig Ep.

I am quite sure that all the members of the club are looking forward to the coming week-end. We are planning a small social gathering with the Engineer's Club. Here's to you.

OH, WELL

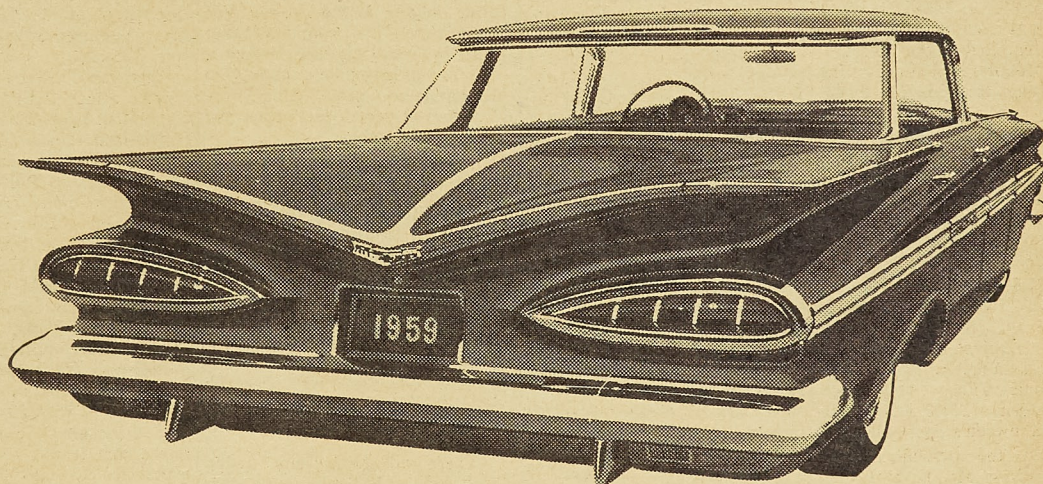
Eddie (to his girl friend, sitting on a park bench): "Honey, I've got an important question to ask you."

Girl Friend: "Yes, Eddie, what is it?"

Eddie: "Would you move over? I'm sitting on a nail."

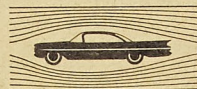
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Chevy's all new for the second straight year! Here with a fresh Slimline design that brings entirely new poise and proportion to automobile styling. Inside the new and roomier Body by Fisher you'll find truly tasteful elegance. And you'll have clear seeing from every seat. The new Vista-Panoramic windshield curves over head—windows are bigger, too.

When you take the wheel, you find Chevy's newness goes down deep. A new steering ratio makes handling easier than ever. New suspension engineering gives you a smoother, more stable ride. There's a new Hi-Thrift 6 that goes and goes on a gallon of gas. Vim-packed V8's. New and bigger brakes. Even tougher, safer Tyrex cord tires.

There's still more! A new finish that keeps its shine without waxing or polishing for up to three years. Impressive new Impala models. Wonderful new wagons—including one with a rear-facing rear seat. And, with all that's new, you'll find those fine Chevrolet virtues of economy and practicality. Stop in now and see the '59 Chevrolet.

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Campus News

A. S. M. E.

A. S. M. E. holds monthly meetings featuring semi-technical lectures, movies, demonstrations, followed by refreshments and a get acquainted period. The next meeting is scheduled for Wednesday October 22. The meeting will begin at 7:00 p.m. in room 107 of the Mining Building. The speaker for the meeting will be Mr. Lehman from Southwest Bell Telephone Co. who will speak on "Transmission of Telephone Messages Via Micro-Wave." Mr. Lehman has a large demonstration to accompany his speech. All M.E. students are welcome to attend; memberships will be taken from those who have not joined A. S. M. E. and so desire. Refreshments will be served and door prizes awarded.

A. F. S.

At the first A. F. S. meeting the winners of the "Guess the Number of Castings" contest were announced. Contestants were required to guess the total number of castings in a 1958 Chevrolet Biscayne, 4 door, V-8. All those students enrolled in the Mechanical or Metallurgical Engineering Departments were eligible to enter.

Larry Nelson's estimate of 270 castings was good enough for first prize, with W. Sullivan, and W. Olson taking second and third prizes respectively. The exact number of castings in the Chevrolet was 265.

For Nelson's efforts, he received a twin speaker table model R. C. A. H. Fi Radio. Sullivan received a certificate good for a dinner for two at Miller's Colonial Village, while Olson was awarded a \$5.00 gift certificate at Kenwood's Sport Shop.

Prior to the awarding of the contest prizes, Mr. E. E. Cornelius, a 1948 graduate of M. S. M. spoke to the group of 70 mechanical and metallurgical engineering students on the subject of the engineer's place in the foundry, placing particular emphasis on the need for mechanical engineering graduates in the foundry industry today.

A. S. C. E.

The American Society of Civil Engineers held its second meeting of the fall semester in Parker Hall, Wednesday, October 8.

The program was highlighted with a very interesting talk by Mr. Walter Pitman, an aeronautical engineer in the strength division at McDonnell Aircraft. A film was shown on the new F-4H Navy fighter plane. This plane is more powerful and faster even than the Air Force's F-101 "Voodoo", which set the world speed record only a few months ago.

It was interesting to note how much utilization of the Civil Engineer is made in the aircraft industry; primarily in stress analysis and also in the loads and weights department.

Much of Mr. Pitman's work was done on the development of the F-4H and he is presently working on an aircraft that will project man into space.

It was decided that a year's subscription to Civil Engineering magazine will be awarded to the freshman who induces the most other freshmen to join ASCE. Henry Pate, membership chairman, will provide details to all who are interested.

U. Dames

University Dames met October 9th in Parker Hall Auditorium to organize for the coming year. President Betty Steel presided.

This being the first meeting this year, many new "Dames" were present. So that they might better understand the reason for University Dames Edna Renfro explained the purpose of the organization. She stated, "University Dames provides an opportunity to meet other people in the same situation as yourselves, beginning a new adventure, being a college wife."

Betty Steel then introduced the advisory committee, Mrs. Curtis Wilson, Mrs. O. R. Grawe, Mrs. W. T. Schrenk, and Mrs. I. H. Lovett. These women are wives of faculty members at MSM.

The officers for this year were also introduced. Betty Steel will serve as President, Peggy Speidel as Vice President, Til Wiesel as Recording Secretary, Donnie Williams as Corresponding Secretary, Barbara Sturgeon as Assistant Corresponding Secretary, Judy Sands as Treasurer and Valery Grady as Assistant Treasurer.

The fall tea is scheduled for October 19th from 2:00 to 4:00. It will be at the home of Mrs. Curtis Wilson. President Steel announced that all the "Dames" will receive invitations.

It was requested that news about Dames be given to Judie Bradley, reporter. She may be reached at EM 4-1732.

The interest groups that have been formed this year are sewing, beginners bridge, bridge clubs, square dancing, drama, choral and arts and crafts.

Cheerleaders and a marching group to work with the MSM Band will be chosen as soon as possible to perform at the football games.

There will be a fall party November 15th for the "Dames" and their husbands.

Mrs. Michael of the Michael Millinery will present the program at the meeting next month. She will give a demonstration on hat making and present a style show featuring fall fashions.

Refreshments were served in the MSM Snack Bar.

Sigma Gamma Epsilon

The Eta Chapter of Sigma Gamma Epsilon held its first meeting of the 1958-59 school year on September 30 in room 106 Fulton Hall. President Will Owens called the meeting to order. The purpose of the meeting was to plan meetings and activities for the coming year.

After the business meeting our advisor, Dr. T. J. Planje, showed slides taken at the Atoms for Peace Conference in Geneva, Switzerland which he attended during the first part of September. He also showed slides taken on a trip that he took to the French Alps after attending the Conference.

G. D. I.

The Independents or G.D.I. as it is commonly called is a student organization open to all non-fraternity students (females welcome). The initials are given various interpretations depending on to whom you are speaking. If talked over among students they stand for G-D D-N Independents, if told to your girl they stand for Gamma Delta Iota and if mentioned to faculty members Genuinely Discreet Individuals.

The organization having grown by leaps and bounds over the last five years now boasts a total membership of almost 500 students, thus making it the largest organization on the campus. The Independents purpose is two-fold. First, to provide the student member with social entertainment and a chance to meet his fellow students through outings and informal monthly meetings, thus allowing him to form friendships and social contacts that will stand him in good stead in later life. The second, and by far the most important purpose, is to give the non-fraternity student a voice in student government thru the student council, half of whose membership is elected from the Independents.

Meetings are held monthly usually on the third Monday of each month. The first part of the evening is taken up by a short business meeting, followed by movies.

Recently, thru the kind generosity of the organization, this service has been made available to other student organizations by the Independents donation of the special cinemascope lens and screen, valued at over four hundred dollars, to the school. The presentation was made in Parker Hall by John Steocker, president of the Independents, and Tom Berterello to Dean Curtis Wilson. The screen covers the entire rear wall of the stage.

AIChE

The Student Chapter of the American Institute of Chemical Engineers held its regular meeting October 8 at 7:00 in G-6 of the Chemical Engineering Building with more than 70 members present. Dr. F. H. Conrad, advisor for the student chapter explained the relationship between the professional society and the student organization of the AIChE.

There will be a joint outing with Alpha Chi Sigma on October 18 at Lion's Club Park at 1:00 p.m. All members of both organizations who desire to attend are requested to sign the roster on the north bulletin board in the Chemical Engineering Building before October 16 or else.

Mr. Leonard E. Henson, graduate in Chemical Engineering, 1940, MSM, and now production superintendent of the Aluminum Company of America (Alcoa), East St. Louis Plant, East St. Louis, addressed the student chapter on the subjects of "Unit Operations in Aluminum Processes" and "What an Engineer and a Company Expect from Each Other."

After an animated question and answer session, the customary door prize as awarded to Melvin McCubbin. The prize was a gift certificate at Vern's Clothing Store.

After the meeting the usual good refreshments were served.

ROTC Cadet Corps

The MSM ROTC Cadet Corps was represented in Summer Camp at Fort Belvoir, Virginia; Fort Leonard Wood, Missouri; Fort Riley, Kansas; Fort George G. Meade, Maryland; and Fort Gordon, Georgia; this summer. A total of 122 cadets completed the six weeks summer training; 108 of these at Fort Leonard Wood.

At the conclusion of the various Summer Camps, 18 of the cadets, June graduates of MSM, were commissioned as Second Lieutenants in the U. S. Army Reserve. The total number of Commissions conferred on MSM graduates in

1958 was 106. This is the highest number of graduates of the school commissioned in any one year, fourteen more than the previous high of 92 in 1957.

Among these newly commissioned Second Lieutenants is Delbert Edwin Day who was graduated with Highest Honors in June 1958.

The University of Missouri Curators' Award for the outstanding cadet at Summer Camp was won by David A. Sutton, '58, who was one of the 18 who were commissioned at the conclusion of Summer Camp; and the University of Missouri Curators' Award for Marksmanship was won by Samuel E. Sands, class of 1960. These awards will be presented at a review to be held at MSM on the 22nd of October.

Col. Strong Guest of Military Department

The Military Department at the Missouri School of Mines and Metallurgy has host last Wednesday to Colonel J. D. Strong, ROTC Liaison Officer for the Office of the Chief of Engineers, Washington, D. C. and Chief of the Department of Non-Resident Instruction at the United States Army Engineer School, Fort Belvoir, Virginia.

This was Colonel Strong's final visit on a tour of Engineer ROTC Units from Boston, Massachusetts to Houston, Texas. He was flown from St. Louis by Army Aircraft and met at the Rolla Municipal Airport by Colonel Lloyd L. Rall, PMST and Major John O. Buchanan, Assistant PMST.

During his visit Colonel Strong watched the MSM Cadet Corps march in mass formation under the command of the student officers and was impressed with the proficiency which they have acquired in the short time since the beginning of the fall term. Upon his departure Colonel Strong stated that it was a "stimulating experience to visit such a fine Unit of the ROTC."

Civil Service News

The U. S. Civil Service Commission announces a new Federal Service Entrance Examination for the current school year. Applications are being accepted until October 30 for the first test to be given on November 15, 1958.

A wide variety of administrative, technical, and professional positions are to be filled through the Federal Service Entrance Examination. The jobs are with local Federal agencies as well as in Washington, D. C. and throughout the U. S. Starting salaries for these entrance level positions range from \$4040 a year to \$5985 a year.

The FSEE is aimed at recruiting talented college-caliber persons for careers in the Federal civil service.

Further information is available at college placement offices, most post offices, or by contacting the U. S. Civil Service Commission at St. Louis, Mo.

ROTC Enrolls 1340

Enrollment in ROTC at the Missouri School of Mines and Metallurgy this fall is 1340. The enrollment is slightly greater than last year's, and is highest in the history of the school, it is announced by Colonel Lloyd L. Rall, Professor of Military Science and Tactics.

All physically fit male students entering MSM as freshmen are required by the laws of the State of Missouri to complete two years of training in the ROTC. Two additional years of Advanced training in the ROTC are offered by the Military Department, for applicants who meet certain standards of physical condition, academic standing and leadership aptitude. Upon successful completion of the Advanced Course and graduation from college a majority of these cadets are commissioned as Second Lieutenants in the Army Reserve. A small number are commissioned in the Regular Army each year. This year there are 303 students enrolled in the ROTC Advanced Course.

Colonel Rall has a staff of 10 officers, 13 non-commissioned officers and 4 civilians, who assist him in the conduct of training and the administration of the department and the Cadet Corps. His officer assistants in the Military Department are Major John O. Buchanan, Major Elisha J. Fuller, Major John W. Reagan, who is attending school at Fort Belvoir until the middle of December, Major James K. Walton, Captain Ralph M. Leighty, Captain Gerald W. Medsger, Captain Harold F. Sherman, First Lieutenant Robert E. Ayer, First Lieutenant Kerwood W. Barrand and First Lieutenant Charles J. Tracy. Enlisted assistants are Msgr. John F. Bradbury, MSgt. George W. Bray, MSgt. Lawrence J. Evans, MSgt. Louis C. Hess, MSgt. Calvin Jones, MSgt. James E. Roeth, MSgt. Richard L. Schafer, MSgt. John Q. Walker, SFC Paul R. Cogley, SFC Charles F. Elser, SFC Jack D. Fennell, Sgt. Donald J. Laffey and Sgt. Richard Glasscock, who will be assigned from Fort Leonard Wood on the first of October. Mr. Garmal A. Sanders is the Military Property Custodian; Mr. Gene Parker is Assistant Military Property Custodian and Mrs. Bette Ann Davis and Miss Wanda Williams are Clerical Assistants. Mr. James W. Robbins of the Humanities Department is Director of the Band.

Mr. Robbins and Captain Leighty, manager of the MSM-ROTC Band, have an active band program planned for the coming school year. Among the most important of these is the new distinctive uniforms which are expected for the homecoming football game. The uniforms will be light gray, trimmed in gold (the school colors) made of wool worsted whip cord, and are designed for use by both the Field and Symphonic Unit. These new uniforms will do wonders for the morale of the band.

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Scholarships

(Continued from Page 1)

engineering education in North America. The president of the organization, Dr. M. D. Hooven, being an electrical engineer under the service of the Public Service Electric and Gas Company in Newark, New Jersey, seems to have encouraged the Organization Meeting into a general meeting for engineers, that they might understand the need for development and education in their field.

Professor E. W. Carlton, chairman of the civil engineering department of the Missouri School of Mines and Metallurgy also made the trip to the Organization Meeting in St. Louis, with Dean Wilson. Professor Carlton served on the committee on arrangements under the chairmanship of C. H. Ax of St. Louis, Missouri.

HIGHWAY PATROL WARNS ON NIGHT DRIVING

"Darkness is an invitation to death."

In these words, the safety officer of the Missouri Highway Patrol warned motorists today to increase their vigilance when driving after dark, as daylight hours become shorter.

"More people are killed in traffic accidents during the hours of twilight, darkness and dawn than in the daylight hours, although far less driving is done in the darker hours," Capt. John A. Berglund said.

An affirmation of the Captain's statement is readily noted in reviewing records of traffic accidents and traffic fatalities in the state, kept by the Safety Division of the Highway Patrol.

As daylight hours decreased during October, November and December last year, 235 people were killed in traffic accidents in rural areas of the state. This was an average of 78 fatalities each month. In the preceding nine months of 1957, there was an average of only 66 deaths each month.

In the three month period before December 31, the Highway Patrol investigated a total of 4,635 traffic accidents, which occurred on rural roads and in towns of less than 10,000 population. The number at twilight, dawn or after dark was 2,107, compared to 2,528 occurring in daylight hours. The records reveal that those happening after dark were far more fatal.

In 103 of the mishaps occurring after dark, one or more people were killed. While the number of accidents investigated in daylight hours was 421 more than happened at night, only 85 were of the fatal type in which death or multiple deaths occurred.

"It's obvious," the Capt. said, "that the driver's best weapons against the hazards of nighttime motoring are a good pair of headlights properly aimed, maintaining speeds that won't outrun those lights, remaining constantly alert, and completely abstaining from the use of alcohol or drugs that could in any way impair his ability at the wheel."

To prove to herself that she is desirable, she gets a mate and so they live happy ever after, so they say.

Love; the Great Pursuit

Somewhere between the time he loses interest in tin soldiers and the time he takes his first shave, a boy undergoes some remarkable changes. His voice develops a mind of its own and comes out on an altogether different frequency from what he planned. His body suddenly sprawls all over the place. He is constantly bumping into, falling over and dropping things. And an unmistakable glint comes into his eye.

It's that glint we are interested in here, for it's the magic gleam that makes the world go round . . . and round . . . and round. Adam had it. Samson had it. Caesar had it. Henry VIII had it—in spades. And if you're over 15, you have it, too.

No one knows how it works, but that glint has the strange power to make a coward brave, a miser extravagant, a fool wise and a sage foolish. For it marks the beginning of a man's most important activities in life—the Great Pursuit.

Of course, man has been chasing woman ever since Adam discovered that there were more important things in life than ribs.

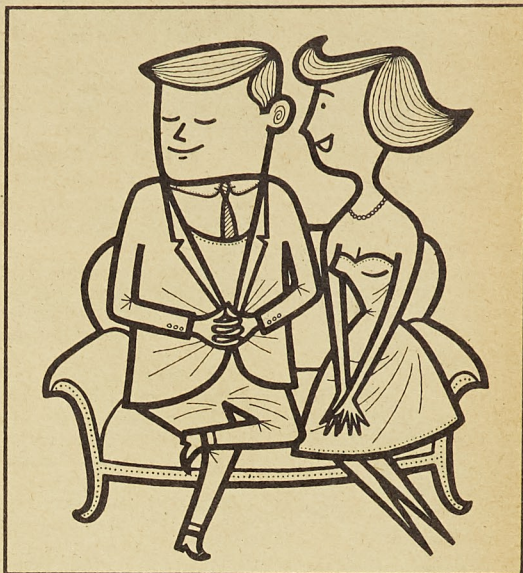
He has swum rivers, climbed mountains, tamed lions, written poetry, built palaces and destroyed cities—just to get a sigh of appreciation out of some bored damsel.

In reality, there are just five ways to pursue the quarry. And here, for the benefit of those who may be stymied for the moment, they are:

Be Sad. This is a subtle approach which, if applied with some imagination, rarely fails. You must act at all times as if you are burdened with a great tragedy in your life. Wrinkle your brow from time to time and practice before a mirror to achieve a brooding look. If you don't think you quite have it, study portraits of Marlon Brando and Elvis Presley. They have it. When the two of you are listening to music on the radio, turn it off suddenly and go to the window to look at the moon. If it's daytime, stare at a distant object. Try to get a crooked smile to play across your face now and then, too. Few women can resist the challenge of trying to make you forget your "sorrow."

The perfect example of the brooding pursuer is Lord Byron. He dressed in dark clothing, affected a limp bow tie and reckless forelock. He was always muttering poetry under his breath and sighing audibly. When asked what was wrong, he often grew angry. So far as we know, he was actually a very happy person—and a whiz with the ladies.

2. Be Well-informed. Keep your eyes and ears open for amusing anecdotes about famous people; learn the order of the planets according to their distance from the sun; know who the Vice-President was under Tyler; memorize Babe Ruth's batting averages for the years 1920-1931; and listen to quiz programs to fill the gaps in your knowledge. Thus armed, you'll feel confident under all circumstances and talk with an air of authority. No woman can resist a man of the world.



"Are you really a Miner?"

Case in point: The 18th Century gent who made it his business to be familiar with literature, music, astronomy, politics, mathematics and commerce. His name—Giovanni Giacomo Casanova. Any questions?

3. Be Well-groomed. Keep abreast of the latest in men's fashions. You'd be surprised how many women have been lost because the man fouled up his color combinations, wore a bow tie with a button-down collar, tramped about in unshined shoes.

A hot shower (then a cold), a close shave and a recent haircut are musts, too. And while perfume for men is frowned upon in our society, you should apply a shave lotion to the old map, too.

Few ladies can resist the man who's had the foresight to refresh himself with Aqua Velva.

Precedent for this approach is the 19th Century sport, George Bryan Brummel, better known as Beau Brummel. From Lady Broughmley's diary, October 3, 1813: "Today Mr. Brummel called on us, to pay his respects to Papa. He is a beautiful man and perfection. I think I love him."

4. Be Silent. Once you learn to keep your mouth shut, you'll be amazed how your stock will go up. Even if you're bursting with information, keep it to yourself. Nod knowingly from time to time. Then, even when you don't know what's going on, you'll give the impression of being wise.

The arch example, of course, is Rudolph Valentino. Not only was he quiet by nature, but as a silent screen star he had to make his point without words. Did it pay off? There are still women whose hearts leap at his magic name.

5. Conquer an Empire. Two examples come to mind—Caesar and Napoleon. By ruling the world in which he lived, they won the ladies of their choice. However, one ended up assassinated, the other in exile. Better stick to the first four methods. They may be slower—but you'll enjoy life more.

Venezuelan Student Attends MSM On Creole Grant

A Venezuelan student is attending the Missouri School of Mines this fall under the scholarship program of the Creole Petroleum Corporation. The student, Jesus Gomez, is one of 64 Venezuelan students sponsored either by the Creole Foundation or by the Creole Petroleum Corporation at U. S. colleges and universities. About 190 Venezuelans are attending Venezuelan universities with the aid of similar Foundation and Corporation grants.

Mr. Gomez, a fourth-year student, is majoring in petroleum engineering. His scholarship includes full tuition, books and supplies, registration and laboratory fees, travel expenses, and a living expense allowance.

The Creole Foundation is a non-profit organization founded by Creole Petroleum Corporation for cultural, educational and scientific purposes. Creole is a U. S. company and Venezuela's largest oil producer. The total amount of the two organizations' scholarship grants for 1958 is estimated at \$687,000.

Recognizing that tuition does not cover the cost of education, both the Corporation and Foundation have included in this amount unrestricted collateral grants to institutions at which their students are enrolled. At the close of the last school year these grants totaled \$36,700, of which \$500 was awarded to the Missouri School of Mines.

Although the Creole Foundation was not established until 1956, the Corporation's scholarship program has existed more than 20 years. During this period the company has granted a total of 555 scholarships - 380 to non-employees and 175 to employees.

If, when uncertain of the spelling or meaning of a word, you reach for the telephone directory instead of the dictionary, it's a sign of something.

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'Cat On A Hot Tin Roof'

Elizabeth Taylor, Paul Newman and Burl Ives

Thursday, Friday and Saturday, Oct. 23-24-25

'Buchanan Rides Alone'

Randolph Scott, Jennifer Holden

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Friday and Saturday, Oct. 17-18

Saturday continuous from 1 p. m.

'An Affair To Remember'

Cary Grant and Deborah Kerr

— PLUS —

'The Sheep Man'

Glenn Ford and Shirley MacLaine

Sunday, Monday and Tuesday, Oct. 19-20-21

Sunday Continuous from 1 p. m.

'Fireman, Save My Child'

Spike Jones and Buddy Hackett

— PLUS —

'Paris Holiday'

Bob Hope and Anita Ekberg

Wednesday-Thursday, Oct. 22-23

'My Gun Is Quick'

Robert Bray and Whitney Blake

— PLUS —

'Chase A Crooked Shadow'

Anne Baxter and Richard Todd

ROLLA DRIVE IN

SHOW STARTS AT DUSK

Friday and Saturday, Oct. 17-18

'The Bad Seed'

Nancy Kelly, Patty McCormick

— PLUS —

'Revolt At Fort Laramie'

John Dehner and Greg Palmer

Sunday and Monday, Oct. 19-20

'Rock Around The Clock'

Bill Haley and His Comets and Alan Freed

— PLUS —

'Hondo'

John Wayne and Geraldine Page

Tues., Oct. 21—Dollar a Carload

'Joe MacBeth'

Paul Douglas and Ruth Roman

— PLUS —

'The Steel Jungle'

Perry Lopez and Beverly Garland

Wednesday-Thursday, Oct. 22-23

'Grapes of Wrath'

Henry Fonda and Jane Darwell

— PLUS —

'Tobacco Road'

Gene Tierney, Charley Grapewin

Who Was This Fair Named After; Why

This was "distribution day" from the New York Community Trust's "tin can fund," received

Four Awards

Continued from Page 1

the freshman engineering class of the School of Mines and Metallurgy.

Thorough preparation in mathematics and science will be essential for those hoping to be favorably considered for the award.

The stipend is \$600 for the freshman year and the scholarship in like amount may be continued for three more years subject to a creditable academic record.

Applications must be on file by March 1, 1959, and the selection of the scholarship holder for enrollment in September 1959, will be made on or before April 15, 1959.

in a breakfast cocoa can after an aged and supposedly indigent lady, Rolla Headlee, died in the Eastern foothills of the Ozark Mountains in 1941. Wrapped in many thicknesses of muslin, the can was stuffed with \$1,080 in old fashioned, king-sized bills, the painfully accumulated savings of a lifetime.

Rolla Headlee, born in 1857, lived at times in the Missouri village of St. James (pop. 1,996) with her uncle Samuel Headlee, a beloved but impecunious country doctor. When he died in 1903, grateful townfolk inscribed the tombstone they raised above his grave: "Erected by the people to a good citizen and loyal friend."

His niece, in turn, wanted her modest nest-egg to benefit those same neighbors. When she felt her end was near, she confided the can containing her savings to a trusted friend with instructions

to deliver it to the Community Trust as soon as her death occurred. Periodically since then, its modest proceeds have financed a succession of benefactions.

Previous donations have been: to the Missouri School of Mines, an oil painting of the historic Marmec Iron Works as it was in the lifetime of Miss Headlee in 1871; to Trinity Episcopal Church in St. James, a morocco lectern Bible; to the James Memorial Library, a steeple clock, film-slide projector, and iron set and reading lamp. Today's addition to the "Headlee gifts" is a 16-inch globe on a walnut pedestal base. In the reading room of the library, the illuminated sphere will shine each night in memory of "Miss Rolla."

Triangle

(Continued from page 1)

at this time the reports of each forum were discussed and conclusions were drawn up.

That evening a banquet was held at the Edwin Long Hotel, and Professor John Brewer of the Humanities Department gave a very good speech on "The Art

of Fraternal Living." That evening after the banquet a party was held at the chapter house for all the delegates.

First Civic Music Concert, Piano Duo, Sunday, October 19

On Sunday afternoon, October 19, the Rolla Civic Music Association will present its first concert of the season, Nelson and Neal, husband-wife piano duo.

The concert, for members only, will be held at 3 o'clock at the Junior High School auditorium, Eighth and Cedar streets.

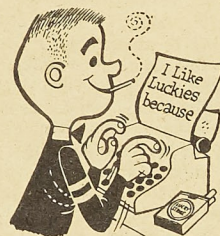
Nelson and Neal are one of the most popular concert attractions ever to tour the United States. Still in their twenties, this couple has been called "a rare combination of musical genius, youth and charm."

They travel throughout the country carrying their two pianos and three small children with them in a custom-made bus called "Neal's Folly."

Students who have Civic Music membership, keep this date in mind. Don't miss the concert!

THINKLISH

ENGLISH: endorsement of Lucky Strike cigarettes



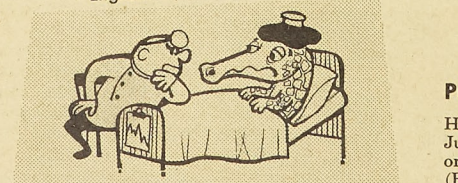
THINKLISH TRANSLATION: Other brands of cigarettes burn (with envy) over the matchless taste of a Lucky Strike. Lucky's taste is honest taste—the rich, full taste of fine tobacco. So any endorsement of Luckies is bound to be a *Tastimonial*. Mmm!

English: SCREWBALL BULLY



Thinklish: MEANIAC

English: SICK REPTILE



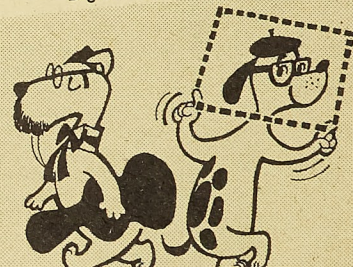
Thinklish: ILLIGATOR

English: CROWDED COLLEGE GROUNDS



Thinklish: CRAMPUS

English: UNHIP DOG



Thinklish: SQUARDALE

English: EXTREMELY NARROW CAR



Thinklish: SLIMOUSINE

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