



25 Oct 1957

The Missouri Miner, October 25, 1957

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OCT. 18, 1957

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THE MISSOURI MINER

VOLUME 44

ROLLA, MO., FRIDAY, OCT. 25, 1957

NUMBER 5

Record Crowd Expected For '57 Homecoming Celebration

A record crowd of well over 500 alumni is expected for the Homecoming celebration this year, according to Francis C. "Ike" Edwards, Executive Secretary of the MSM Alumni Association. The weekend promises to be a busy one for the returning alumni with the traditional Homecoming Football game being one of the highlights of the program.

The annual meeting of the MSM Alumni Association is to be held on Saturday morning at 10:45 a.m. immediately following registration. James A. Finch, President of the University of Missouri Board of Curators, will be the featured speaker at the meeting. Mr. Finch has selected as his topic, "MSM and the Future." Citations of Merit will be presented to several distinguished alumni. Newly-elected Directors for Areas 2 and 3, J. C. Salmon, Jr. '22, of Minden, La., and O. W. Kamper '35, of Pittsburgh, Pa., will be installed by the Association President, Melvin E. Nickel '39. Re-elected Directors for Areas 4 and 8, J. Walter Wallace '48 and Harvey L. Tedrow '11, will also be installed. All men will serve three year terms.

Among the distinguished alumni expected to be present are: Harry S. Pence, '23, Karl Hasselmann, '25, Mervin J. Kelly '14, George Easley '09, all Past Presidents of the Association, and Walter E. Remmers '23.

Paul T. Dowling '40, Executive Vice-President of the Association will serve as Master of Ceremonies at the annual Homecoming Banquet at the College Inn of the Edwin Long Hotel Saturday evening.

The thirty-year alums, Class of '27, meets at Malo's for a class re-

union luncheon, while the Class of '22 meets at the Pine Room at the Greyhound Bus Depot. The St. Louis Section of the Association is holding Open House at the Pennant Hotel at this same time. In addition, there will be reunions at the various fraternities on campus for their returning alumni.

Open House is to be held again at the Pine Room at 9:00 p.m. Saturday evening. The Homecoming Dance is also to begin at this time in Jackling Gym.

Carl Votaw is again going to play for the Homecoming dance Saturday night, at Jackling Gym. Price of the tickets is 2 dollars stag or drag. The tickets may be obtained from any St. Pat's Board member or at the door Saturday night.

Friday afternoon, there will be a meeting of the Board of Directors of the Association in Room 107, Mining Building. The annual Dutch Treat Dinner is scheduled to begin at 7:00 p.m. in the Pine Room.

State Archaeologists to Meet in St. James Tonight

All persons interested in archaeology of the collecting of Indian artifacts for scientific purposes are invited to attend a meeting at the St. James high school at 7:30 p.m. tonight. The meeting is being held to organize a local chapter so that it may apply for membership at the Annual Fall Meeting of the Society which is being held at Maramec Spring Park all day Sunday, October 27 at the new group picnic shelter.

at 10:00 a.m., will be the annual The morning program, to begin business meeting. At noon, a covered dish lunch will be held at the shelter and the afternoon meeting will include a number of talks by members of the University of Missouri, Archaeology, Division, staff. There will also be an open house at the Verkamp Shelter where current archaeological investigations are being conducted by the University. An archaeological display will also be open to

the public at the Lucy James Memorial Library in St. James.

If you are interested in archaeology or Indians you are invited to attend both meetings.

Academy of Science Offers Associateship

The National Academy of Sciences-National Research Council has announced that the programs of Postdoctoral Resident Research Associateships again will be offered for 1958-1959 by the Argonne National Laboratory, the National Bureau of Standards, the Naval Research Laboratory, and the Oak Ridge National Laboratory. The associateships are tenable at the Argonne National Laboratory in Lemont, Illinois; at the Washington, D. C., and Denver, Colorado, laboratories of

(Continued on Page 10)

Student Union Loan Approved! Work To Begin in Spring

Reprint from the Rolla Daily News.

A federal loan of \$425,000.00 has been approved to provide major financing of a half-million-dollar building at the University of Missouri School of Mines and Metallurgy in Rolla.

U. S. Senators Thomas C. Hennings, Jr. and Stuart Symington advised this newspaper by telegrams early today of the important development in the plan to provide M.S.M. students with a union building similar in aspects to the Student Union building in Columbia.

"Community Facilities Administration in Washington has advised approval of a loan of \$425,000 to provide major financing of a Student Union building at the Missouri School of Mines and Metallurgy," Senator Symington wired. "Some \$100,000.00 in funds of the applicant will also be used in constructing the two-story brick-faced union building which will have lounge and recreation areas, snack-bar, ballroom and student activity

room," Senator Symington concluded.

In Senator Hennings' message, he said: "Happy to advise Community Facilities Administration has approved \$425,000.00 loan to Missouri School of Mines and Metallurgy at Rolla to provide major financing of new two-story Student Union building.

Dr. Curtis L. Wilson, dean told the DAILY NEWS this morning that approval of the loan is the final hurdle on financing, as the \$100,000.00 to be used from school funds is already available.

"The architect is nearing completion of work on plans," Dr. Wilson said, "so when the plans are complete we will be able to advertise for bids and let a contract for construction, probably in the next two or three months."

Approval of the federal loan (which is to be paid back with earnings from the union building) touched off a wave of enthusiasm here among those who realize the great need for such a building to accommodate M. S. M. students, faculty, alumni and townspeople. Dr. Wilson said it will fill a long-felt need and added that Dr. Elmer Ellis, president of the University, shares Rolla's enthusiasm, in fact has led the planning program for it. "and seems determined that Rolla shall have the Student Union building without delay."

The Student Union building will be constructed at the junction of Main Street with 12th Street, between the Chemical Engineering and Norwood Hall buildings. Students will "walk through it" as they come and go, stop for snacks, attend meetings, plan entertainments and other activities, many of them to be participated in by townspeople, as well. The location is regarded as very good and "in the center of things."

Two other important projects in the School, the multi-million-dollar Civil and Electrical Engineering buildings, are nearing realization, with some extra planning (relative to air-conditioning), and it is possible that they may get underway about the time with the Student Union building. The principal construction under way right now is the dormitory and cafeteria project between 9th & 10th, State and Bishop streets.

MSM Alumni Launch 1958 Drive for Funds

The MSM Alumni Association has launched the 1958 Alumni Fund drive. It is through the contributions to the Alumni Fund that the activities of the Association is supported.

The contribution is a "one package deal." It entitles the donor to all rights and privileges of the Association; he will receive MSM ALUMNUS, the bimonthly publication; he is helping finance the six scholarships for freshmen the Association sponsors and he is assisting in meeting the expenses of the operation that is necessary to make a strong Association.

There is no set fee. There is no maximum and conversely there is no minimum to the amount of the contribution. The Association's objective is for every alumnus to give something.

The goal for the number of contributors to the 1958 Alumni Fund is 2400 and the Association will need \$17,000.00 for its operation during the 1957 - 58 fiscal year which begins November 1.

PROGRAM

FRIDAY, OCTOBER 25

- 1:30 p.m. Board of Directors Meeting, Room 107, Mining Building
- 7:00 p.m. Dutch Treat Dinner—Pine Room—Greyhound Bus Depot

SATURDAY, OCTOBER 26

- 9:00 a.m. Registration—Parker Hall
- 10:45 a.m. Annual Meeting MSM Alumni Association, Auditorium, Parker Hall
- 12:10 p.m. Class Reunion Luncheons: Class of '27—Malo's; Class of '32—Pine Room—Greyhound Bus Depot; Open House—St. Louis Section—Pennant Hotel; Fraternity Reunions
- 2:00 p.m. Football—Miners vs. Southeast Missouri State College Indians
- 7:00 p.m. Annual Homecoming Banquet—College Inn—Edwin Long Hotel
- 9:00 p.m. Homecoming Dance—Jackling Gym
- Open House—Pine Room—Greyhound Bus Depot



AIEE BRANCH, Section Chairmen Meet at Mizsou—Pictured above, top row, from left, are chairmen of AIEE Student Branches, St. Louis Section: Lee Gintz, Washington U.; Roger Pape, Missouri U.; David Sutton, M. S. M.; and a St. Louis U. student.

Pictured with the EE seniors are, bottom row, l. to r.: Dr. R. J. W. Koozman, Head of EE Dept., Washington U., Mr. Harold E. Gove, Union Electric Co., and Mr. James Burkhart, General Electric Co. Dr. Koozman is also chairman of the St. Louis Section AIEE. Mr. Gove was guest speaker at the AIEE section banquet last Saturday night at Columbia. Mr. Burkhart, chairman St. Louis section student branch committee, was in charge of the panel discussion at the local AIEE-IRE meeting here last Wednesday night.

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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Technical or Liberal Arts?

by Howard Taylor

Once again has arisen the question as to whether Technical or Liberal Arts education is more important. Because of the momentous scientific progress of recent years, the question has now become quite a dispute in many circles. My opinion on the matter is in no way authoritative, but merely based on a few simple facts.

The main purpose of technical training is probably to maintain and promote efficiency in scientific applications. It is indeed gratifying to know that with increased skill and more discoveries in the engineering field, mankind will benefit enormously. Nevertheless, should people delve into science and technical training only to emerge as semi-robots, or should they try in so far as possible, to acquaint themselves with mankind, outside the laboratory, factory or mine?

Most of us will acknowledge the fact that most of the world tension and crises today are the result of lack of human understanding. Surely strife will never be displaced by producing a more powerful atomic bomb or satellite. No, this will never be the solution. Nevertheless, through a study of literature and many of the fine arts, one often assumes a much more rational outlook on life, because his mind can often reach into historical background, thus unveiling the reasons for many present day effects. Therein lies the intrinsic value of the arts.

We may thus clearly see that anyone who is fairly well versed in both fields strikes a very desirable medium. In conclusion I maintain that a well-rounded education produces men and women who are geared for the rigors of this modern age.



With a cough, cough, and an occasional a-choo, we're proud to announce that Mox Nix had the Asian Flu. It's that time again. The music is playing, somewhere the sun is shining, somewhere little children are playing in the streets, but in Rolla, it's cold, dismal, and the only sound is the Merry-Go-Round as it spins its tales of bad news from Ye Olde Prof.

First off, word has reached us from the Land of Light Bulb Snatchers and Wire Chasers, that as the Prof. (name withheld due to censor restrictions) of a certain class was telling his little darlings of how lenient and easy the quiz seemed to be, Mox Nix was heard in the back of the room singing, "That's Be the Day When You Die."

Memo to Rock Hounds: How to study for a Geol. Quiz. First, disregard all important material in the Lectures, don't memorize any diagrams, Study only the minor details listed in the bibliography, and try like (you know where) to catch those little words

teresting fashions. Please inform us if you would like to pose in a bathing suit after the first snowfall, on top of the Rolla Building and dive into a 5-gallon bucket of water. Not only would you be performing a service to the Miner but thing of all the physic students who could prove the theory of a freely-falling body. We will be glad to supply the bucket of water and get our buddy, Prof. Fuller, to hold it. Please contact us as to your answer, or inform Mox hisself at Ramey's.

Overheard in the Ceramic Department: Prof. Brickmaker addressing the class: "There's a young man in this room making a jackass of himself. When he's finished, I'll start."

New Records at Scott's: Music to write home for money by, "Throw Mama From the Train a Knish, Don't Leave Her Hungry Behind."

Flash!!!! The Southern delegation of the KA's are having a cannon assembly party with the Rock House crew. Good luck, fellas, don't forget the tools.

Well, I'd best put up the machine and swim up the State Street Canal to the Miner office. The dean had to call off his two special agents who made their livelihood by tracking your boys, they are now checking license plates. Whoopee till next week, Sticks; Burp from Bax and Mox Nixs.

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'58 Chevrolet, Thursday, October 31



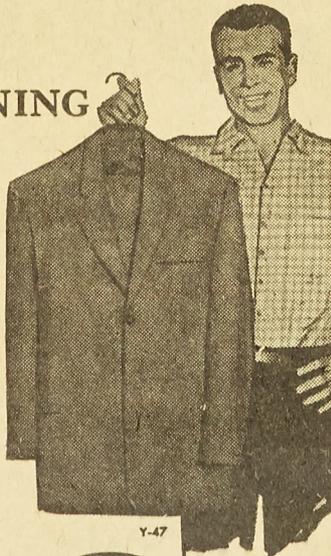
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Stork and Society Keep U. Dames Busy

As usual, the stork has been busy keeping Dames' and Miners' orders filled . . . if husbands and social chairmen will keep me informed of these important events, I'll be glad to let EVERYBODY in on the news via this column.

University Dames attended their annual Fall Tea Sunday afternoon at the home of Mrs. Curtis L. Wilson. Mrs. Don (Sadie) Mueller, past president of the organization, acted as door hostess, and guests were received by Mrs. Wilson, Mrs. Palmer (Alice) Hadler, president of Dames, and Mrs. Art (Phyllis) Macalady, vice-president. In the dining room tea was served from a candle-lit table centered with an arrangement of yellow chrysanthemums by Mrs. Charles (Treva) Welch and Mrs. John (Carolyn) Richey. Mrs. Bob (Verda) Minton and Mrs. Arch (Jannette) Burke had the guest book, while Mesdames John (Ruth) Waters, Bill (Carol) Brennecke, Bob (Nancy) Marlow, James (Mickey) Lawson, Homer (Dixie) Smith and Donald (Dottie) Link served on

the Dining Room Committee. Living room hostesses included Mrs. Milton (Colette) Meyer, Mrs. F. J. (Nanette) Graham, and Mrs. Ralph (Joan) Young. Assisting at the tea table were Mrs. Ronald (Barbara) Mouser, Mrs. (Ann) Smith, and Mrs. Jim (Iris) Allen.

Dames' Arts and Crafts Group met October 16 at the home of Mrs. (Carol) Baker, M S M Apartment T-5. A movie was shown explaining Leathercraft and during the meeting orders were placed for handbags, belts, or wallets. The group is being taught by Mrs. Mabel Liggett, Rolla High School art instructor. The project is most interesting, and the leather goods are very inexpensive, I'm told. The next meeting will be October 30. Sounds like a good one for budget-minded Christmas-gift-listers to attend.

The next meeting of Beginners Bridge will be held Tuesday night, October 29, from 7:30 until 10 p. m. in T-5 on the campus. If you couldn't attend the first meeting, you're still welcome at this one.

Don't forget now . . . I just write the news that you call in.

Have fun at Homecoming, everybody. . . Diane.

When you're down in the dumps always remember this: Half the people aren't interested in hearing about your troubles and the other half are glad you are finally getting what you deserve.

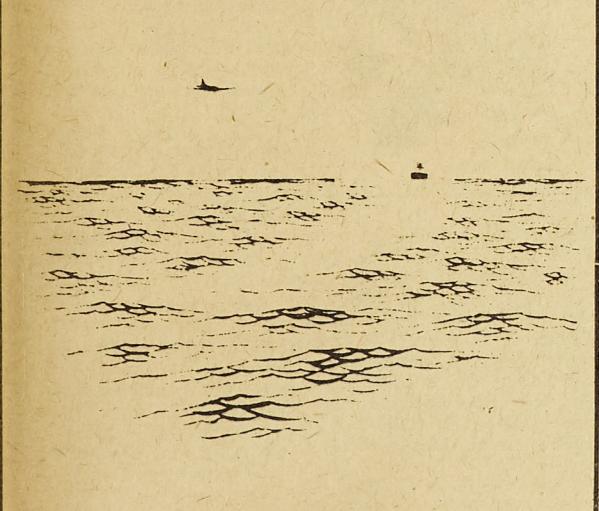
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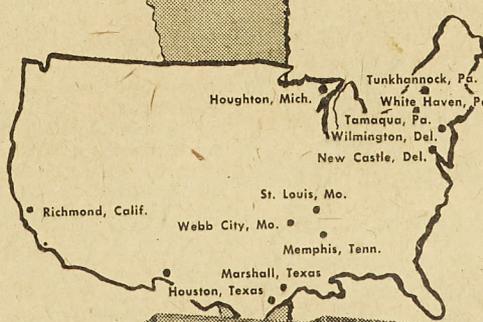
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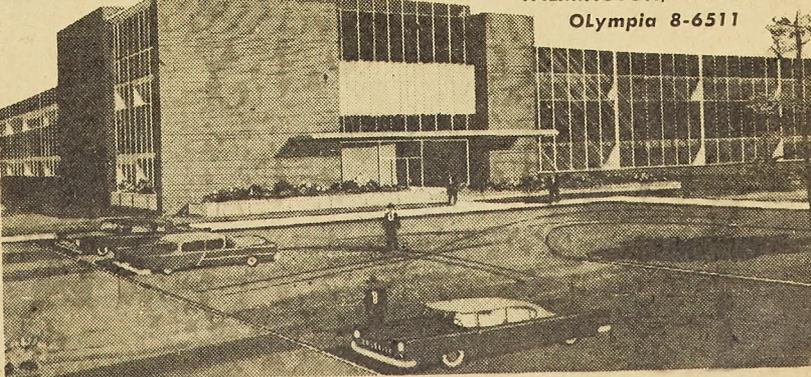
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Engineers Club Wins Football Trophy

THETA KAPS AND TEKES PLACE

The Engineers' Club took a decisive victory over the Theta Kaps last Thursday night to capture the much-sought-after football championship. With the beautiful trophy goes 850 points for the winner.

The playoffs began last Monday with Theta Kap taking the game from a determined Lambda Chi squad, by a score of 20 to 6. On Tuesday evening TEKES lost their big one to the highly rated Engine Club, 35 to 20. That same day marked TKP's victory over the mighty Triangle. This was a hard-fought game in which both quarterbacks were disabled and taken from the game with injuries at the start of the second half. Theta Kap, all the way, 14-6!

By Thursday, the 17th of October, the remaining two teams had been selected by "vote under fire." Here was the battle on the gridiron to determine the champions.

Theta Kap relied mainly on their coordinated ground and air attack to earn the first spot. But the deceptive and elusive movements of the Engine Club, added to their speedy backfield, proved the better of the fight.

Engine Club scored early in the first half on a series of plays

oriented by an intercepted pass, the first play of their adversary, Theta Kappa Phi. They went on to take another T.D. in the first half at which time they led 14 to 0.

Theta Kap tried in vain to force a comeback but the odds were against them. The final edition went to press with the Engineers 28, Theta Kap 7.

The Champs, Engine Club, were good sports, as were the Theta Kaps. It proved to be a clean hard football game, pure football, ably won and ably lost.

The end of October brings the time of the round ball season. Entries of teams for the basketball intramurals must be in by the 31st. The first game of the current season will be staged on the 4th of November. Check the bulletin board for the individual practice nights.

These same conditions exist for the handball enthusiasts as their competition will start also on November 4th.

More about the finals and games in tennis and ping pong in next week's column.

Jim Walther



Tekes and Eng's Fight For Honors

HOMECOMING STARS MINERS, CAPE

Tomorrow, the Miners will try for their third conference victory of the season against the Cape Indians.

The Indians won their first conference game, beating the Kirksville Bulldogs 19-7. They tied their second M. I. A. A. game against the Mules of Warrensburg, 20-20. The Indians were heavily favored in this game but very sloppy ball handling resulted in a tie.

Last year the Miners held the Indians scoreless, beating them 10-0. This year the Miners will be facing a much stronger Cape team. The Miners will be up against a hard-hitting Indian defense, led by Frank Czapl, a 6' 2", 210-lb. tackle. Czapl iced the game for the Indians against Ark. Tech. by intercepting a Tech. pass and running 21 yds. for the T. D. The Cape offensive has been sparked by fast-running H. B., letterman Tom Brennecke and Q. B. Tom O'Keefe, the man with the "Golden Arm." O'Keefe in the Tech. game, through a T. D. pass accounting for the two tallies.

The Indians are a highly-spirited team as shown by their "war cries" throughout the game. Although losing to the Miners last year the Cape team should not be underestimated.

Since 1906 the Miners have played 25 games with the Indians and hold a 13-10 edge with two ties. Since 1950 the Indians have

beaten the Miners four times, losing to them three times.

This preview shows that the Miners won't have an easy go tomorrow. The Miners will be up against a strong defense plus a good running and passing offensive. The Miners will have to play heads-up ball in order to beat them. A victory will put the Miners within reaching distance of the championship with two games to go. The Miners will need your support so let's see everyone there to cheer for the team. The game will begin at 2 o'clock tomorrow.

Probable Starting Line-up

Whitehair, L. E.; Klohr, L. T.; Jones, L. G.; Varga, C.; Englehardt, R. G.; Agers, R. T.; Northup, R. E.; McPherson, Q. B.; Parker, L. H.; Allison, R. H.; Bedyler, F. B.

PROSPECTIN'

the

Conference



by Don Bins

While upsets and erratic playing rocked the football fortune tellers around the country last Saturday, the M. I. A. A. Conference went right along with the fad of unexpected happenings.

Cape Girardeau, the long expected power in the conference, was grounded to a 20-20 tie by the Warrensburg Mules. Only the previous week the Mules had been trampled 47-6 by the Missouri Miners. Springfield proved to the world that their players all have been living a clean life as they again pulled one out of the hat in the closing minutes to beat Kirksville Bulldogs, 32-26. The Missouri Miners rolled along to stay on top of the heap with a 37-21 victory over the Maryville Bearcats.

Maryville was the home team Saturday when the well-rated Missouri Miners met them. Since Maryville had held Springfield to only three points the previous week and the Miners had held

Warrensburg to only six, a big defensive game was expected. However, defense went to the wind right from the beginning when the Bearcats leaped ahead. A total of 58 points was scored with the Miners on top. It was said that if the Missouri Miners play the same type ball tomorrow that was played Saturday, the Cape Girardeau Indians will have a field day.

Cape Girardeau traveled to Warrensburg country with expectations of an easy win over previously trampled Warrensburg only to find themselves playing on the short end of the score. For a short while the Warrensburg fans thought they might see the conference upset but they did finally manage to witness the powerful Indians being tied up, 20-20.

Springfield scored three touchdowns in the third quarter to come from behind to defeat the Kirksville Bulldogs by six points, 32-26. The Bears' center, Lew

Marazza, pulled the play of the week as he took a handoff from Kirksville's quarterback and galloped 34 yards to a linesman's dream touchdown. This deciding touchdown gave the Springfield team their second conference victory and a tie with the Missouri Miners for first place in the conference.

The conference now stands with Springfield and the Miners tied for first place with a 2-0 record, Cape Girardeau third with one win and a tie, Warrensburg fourth with one loss and a tie, and Kirksville and Maryville battling for the cellar with a 0-2 record.

Tomorrow the league-leading Miners take on Cape Girardeau here at Jackling field while the co-leading Springfield Indians travel to Warrensburg, who have yet to score a victory. The supporters of the league, Maryville and Kirksville, will battle it out at Kirksville, Missouri.

A stingy husband, while out of town, sent his wife as a present a check for a million kisses. The wife, a little annoyed, sent back a post card: "Dear Jim, thanks for the birthday check. The milkman cashed it for me this morning."



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Miner Eleven Tops Maryville, 37 to 21 Second Conference Victory Recorded

by J. P. McKeone

Last Saturday, the Miners took their second conference game by beating the Maryville Bearcats 37-21. The game was a good one, and the Miners had to fight their best, with the first string in the game most of the time.

The Miners won the toss, and elected to receive. Maryville's Henry Saggau kicked the ball off, which was caught by Louis Whitehair, who ran the ball 27 yards to the 47 yd. stripe before being downed. A few plays later, the Miners received a bad break, a fumble by Jim Kamicar on a handoff from Ed McPherson, giving the Bearcats the ball on the Miner 38 yard line, and setting them up for a touchdown. A 10 yd. pass from Saggau to Gibson set Maryville on the Miner 25. Two handoffs saw the bewildered Miners defending their 3 yard line. Saggau then went over the goal line with only 2 minutes and 52 seconds of the game gone. The conversion was good by Stevens, and the Bearcats led by a 7-0 margin in a 3-minute old ball game.

Stevens' kickoff was taken on the 5 by Big Ed McPherson and run back to the Miner 26 yard line. After a series of line plays, and a 20 yard run by Ray Parker, the Miners attained a first down. A N. G. handoff to Ray Parker and two unsuccessful pass plays forced the Miners to kick from the 41 yard line. Ray Parker placed the ball in Coffin Corner, the Maryville 6 yard line, with a beautiful kick of better than 50 yards.

Maryville could do nothing against the strong Miner line, and Cal Calvin nearly intercepted a pass from Saggau that was intended for the Bearcat fullback, so the Cats were scared into punting. A high, short punt to the Maryville 35 gave the MSM-men a chance to even the score. The Miners took advantage of this break, a pass play from McPherson to Parker accounted for 20 yards, and a series of line plunges sent Ray Parker over the line. Ray also made the P. A. T. for his 45th point of the season.

Parker's kickoff gave the Bearcats the ball, but not for long. Bill Varga intercepted a short pass from Saggau, and the Miners took over. Maryville retaliated by nailing Ed McPherson 10 yards behind the line of scrimmage as he tried to pass. Ray Parker later punted from the 38, but the ball hit on the side of his foot, and it only went 17 yards. The Bearcats took the ball on the MSM 46, and a series of successful plays left them on the Miner 4 as the gun went off for the end of the quarter.

The Maryville eleven then started the second quarter with a T. D. by Dale Clark. Stevens again kicked the extra point, and again made good.

Stevens then kicked off to Perry Allison on the Miner 10 yd. line. Good blocking and beautiful running combined to put Perry on the 46 before a Bearcat blocker got to him. Ray Parker then went through the line to the Maryville 38. Perry Allison did likewise to the 33. A McPherson to Allison pass put the Miners on the 24, and in scoring position. A pass from Ed McPherson was

caught in one hand by Tom Cooper for 22 yards. Cooper then went over for his second touchdown of the season. The P. A. T. by Ray Parker was good.

The ball then went up and down the field for the remainder of the half, with nothing spectacular happening. Half-time score, 14 all.

The second half showed the Miners to be the superior team they are. Ray Parker kicked to the Maryville goal line. The Bearcats' Gibson played with the ball in the end zone for a while, then ran to the 15 yard line. A Maryville fumble, similar to the one our Miners made in the beginning of the first half gave the MSM-men the ball on Maryville's 20 yard stripe. The Miners again took advantage of a break. Ray Parker went through the line to put the ball on the 18. Perry Allison then went over on a series of line plunges to put the Miners ahead for the first time in the game. Parker's conversion attempt was good, and the Miners led with the half only 2 minutes, 30 seconds old.

Ray Parker again kicked off, this time to the Bearcat 8, Maryville's Gibson returned the ball to the 33. A handoff to Fuhr gave the 'Cats another 3 yards. Saggau then completed a pass to Gibson for a 1 yard loss. The hard-hitting Miner line were right on top of the Bearcat backfield causing the loss. Saggau again attempted to pass, right into the waiting arms of Ray Parker on the 46 yard line. Ray then ran to the 11 yard line before a Bearcat got through. Perry Allison then went through the line to the 5, where he hit a brick wall, in the personage of Ed Thompson, a 260-lb. center for the Maryville squad. Ray Parker then kicked the first field goal of the MSM 1957 season. Ray kicked off to the Bearcat 5, Dick Powell caught the ball, and returned it to the 20, where he was hit hard by Tom Cooper. M'ville's Golden then ran the ball to the 38. On the next play, Dick Powell was thrown for a 6 yd. loss by Ken Jobe, who smashed through the line into the Bearcat backfield. Ken Murdock then intercepted a pass from Powell, and ran to the 25, setting up the fourth Miner tally. Ed McPherson hit John Sullivan for a 20 yard pass play, leaving the Miners on Maryville's 5 yd. line. Big Ed went over on a Quarterback Sneak. The conversion attempt by Parker was ruled no good.

Powell received the usual Parker kickoff at the 30. Maryville started a downfield drive against the Miner 2nd string which resulted in their Ingram making a touchdown on a handoff play. Stevens made good the extra point, and Saggau kicked off. Ed McPherson received the ball on the 10, and returned it to the 33 yard line. A 15 yard penalty for clipping against the Miners, and an incomplete pass from McPherson to Northup forced the Miners to allow Parker to punt from their own 21. Gaspin of the Bearcats called a fair catch on Maryville's 40. After a 3 yard gain on a handoff to Gaspin, Powell tried to pass, and was clobbered 6 yards behind the line by Don Agers. This forced Maryville to punt, and Ingram got off

a good 50 yard kick to Perry Allison on the Miner 30. Perry returned the ball to the 44 yd. stripe. A series of 1 and 2 yard gains because of shoestring tackles by the Maryville line, Ray Parker punted to Dick Powell on the Bearcat 11. A few more short gains, and Maryville punted back to Allison, who ran the ball to the 45 for the start of another Miner TD drive. Line plays all the way down the field brought the MSM-men to the M'ville 4, where Tom Cooper went over on an end run. Ray Parker added to his personal point average by making the extra point. Newt Wells kicked off for a change, and Maryville fooled around with the ball until the gun went off.

The Miners played a great game, and removed one of the blocks between them and the MIAA Championship. Three more games to go, with a 2-0 conference record. Next week in Cape, after that Kirksville, and then Springfield. Three rough, rough teams, but we know the Miners are rougher.

MSM-ROTC Band Plans for Homecoming Game

The M.S.M.-ROTC Band has something very special planned for homecoming. The halftime entertainment will be something to remember for a long time. The Rolla High School band has been invited to participate and the two bands will combine forces for the finale of the Homecoming Show. The show is being designed by the M.S.M. Band Director, Professor James Robbins. In this way the show will have particular meaning for the School of Mines. Various aspects of school life will be honored in this show such as the Alumni, the football team, classes; and there will be a few surprises. The entire half-time show will involve the services of over 170 performers. Big is the word to describe this last home football show.

The band will travel to Kirksville November 1st for the game there. This makes the second night game the band has played since the band visited the Rolla High School game October 11th. After the trip to Kirksville the

band gets set for the concert season.

Some fine music is being planned for our concerts this year. The first concert in Rolla will be on December 13th at the High School Gym. The program will include everything from a Sousa march, "The Fairest of the Fair," through ballads "That Old Black Magic;" a movement from a symphony, the finale of Dvorak's "From the New World;" through a fairy story set to music, "The Man Who Invented Music." For the Glenn Miller fans the band will play "The St. Louis Blues March."

All in all, your school band is working hard to provide you with a musical organization of which you can be proud.

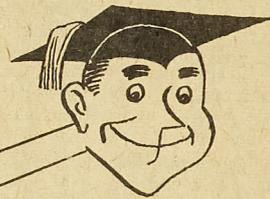
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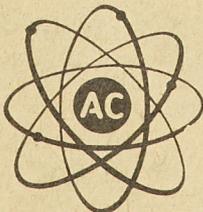
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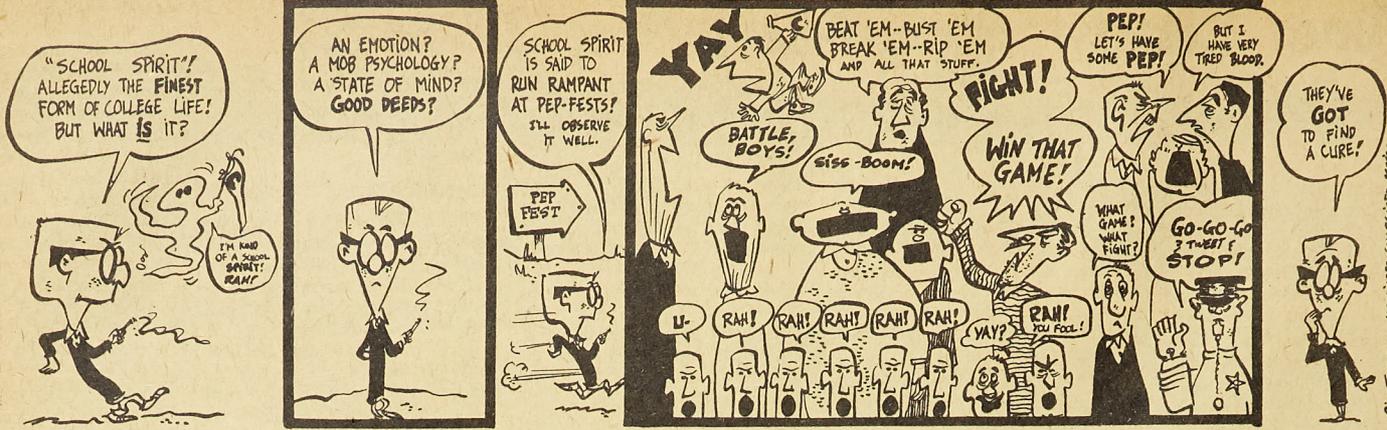
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ARNOLD



Fraternity News

DELTA SIGMA PHI

Last Monday night we were honored to have as a guest at our Chapter meeting the president of the I. F. C. scholastic trophy. Most of us around here have become quite attached to that trophy already, and after two more semesters we hope to see it remain as a permanent fixture.

Last Saturday the Delta Sigs abandoned the football field for the hustling of the basketball court. The first basketball practice on October 13th saw a good turn out from both pledges and actives. The potentials for a good team look very good this season.

Lately the pledge class has been working hard on planning the combination pledge and home-coming dance this Saturday night. Everyone is looking forward to having a good time.

SIGMA NU

Preparations for greeting Sigma Nu's alumni have been underway at the "Snake House" this week. Cardboard, Paint, wire, etc. were scattered about the house and lawn as the Decoration Committee prepared for the Homecoming week-end. The Social Committee has been busy also planning parties and other entertainment for the returning alums. The chapter is looking forward to one of the best Homecomings and party week-end in several years.

This has been a busy week for the intramural athletes of Sigma Nu. The tennis and ping-pong players were in the final rounds of the tournaments in their sports, and the handball and basketball teams have been getting in shape for those sports. The cross country men have finished their training and are awaiting that event tomorrow.

SIGMA TAU GAMMA

This last week was a very busy one around Tau house. Let's see now, Allan McHugh celebrated his birthday in a rather unusual fashion, and Bill Dye in now a brother of the Shower (a charter member, no less).

Brothers Don Ballard and Windy Miller came by to see us on their way to U. S. stations overseas, Alaska and France respectively.

The word is that the seniors will be introduced to Frisco Pond early this year, compliments of the underclassmen. A very noble tradition.

This weekend the Tau House is being invaded by skirts, mostly from St. Louis and Cape. Plans for the weekend include a Hobo

Hop, Jam session, and plenty of HER kind of love.

We'll have a report on it next week—if we're able.

LAMBDA CHI ALPHA

The Lambda Chi house was rather sad after being beaten by Theta Kap which ended the football season for another year. This was a good year for Lambda Chi in football and next years prospects look even better. Like the Democrats say "Wait till next year".

The house was vacated this week-end as most of the active chapter moved up to Lindenwood for quite a week-end. By Sunday evening everyone was back but didn't look near as good as when they left Friday night. One of the actives left with a pin Saturday but it couldn't be found Sunday. It seems as if Dan Norman finally convinced Nancy that he is the one. Good luck Nancy. It was also noticed that Jerry Overton hasn't got a pin anymore. How about a cigar Dan and Jerry?

The actives and pledges are hurrying to complete the display and to get the house ready for inspection for the alumni.

Gil Brown, a Lambda Chi stationed at Fort Wood stopped by for the week-end but he had some trouble getting to his destination. Check with Gil or his chauffeur Bob Hughes for more details.

BETA SIGMA PSI

A thin sliver of moon is casting its cold light on the quiet town. The night is chilly and still. Tanned leaves drift to the ground, forming a mat to welcome the night's visitors. Then, faintly, on the horizon to the north, a few dots appear in the dark sky. They move slowly at first, and as they approach more are seen behind them. The sky is black with their silhouettes. They descend as they approach the town, heading straight for it. Now they are spotted and lights blink on as the word of their arrival is quickly passed from house to house. They mysterious forms are illuminated by the lights. They appear to be beautiful maidens sitting on broomsticks. Without a word, they divide into small groups, each going to their respective houses, which welcome them with wide-open doors.

Welcome to the Homecoming Dance, girls!

SIGMA PHI EPSILON

The Sig Ep scene was dominated last week by the Pledge-active football game. The actives, outmanned, showed their smash-

ing power and vast experience in whipping the pledges 22 - 6. The older men also showed the youngsters how a football game, along with all the necessities that go with it, should be played.

The actives were in fine shape, as Ron Sanders can testify. Just to keep in training, the night before the game Bob Elrod took a 10-mile hike.

Fortunately for everyone at the game, and especially Georg Chappell, who was such a fine referee, the water was estimated to be 20 degrees below zero and nobody was thrown into that nice cool water.

Everyone is looking forward next week to the Homecoming Dance, which will be the first time we will have real, honest-to-goodness, live girls down here for dates this year. So welcome to dear old M. S. M. girls.

TAU KAPPA EPSILON

Tomorrow is Homecoming Day when the Alumni come back to see the football game, have a party, and try to convince the undergraduates that it much rougher when they were here. At the TKE house, it is expected to be a big party with many of our

Alumni back.

Our football team was finally beaten last week as they lost in the first game of the playoff to Engineers Club. Our congratulations to the team and Coaches Bob Herron and Gene Koederitz for the best football season we have had. In ping-pong our "bouncing pineapple" seems to be doing all right. Of course if he starts chasing that "White Horse" this weekend, he won't even be able to see that white ball.

In case anyone has seen those "Pots" walking around campus with "men" under them the last

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Creole representatives will be on the campus

WEDNESDAY, OCTOBER 30

to interview unmarried U. S. and Venezuelan citizens

SEE YOUR PLACEMENT DIRECTOR FOR INTERVIEW SCHEDULES!

few weeks, those were pledges. They seem to find it hard to hang on to their beanies. We think that they are convinced that it is easier to keep them in the first place.

SIGMA PI

Last weekend we put the finishing touches on our chapter room by laying Kentile on the floor. The small group of highly trained but inexperienced workers who laid the tile did an excellent job. Earlier in the week a crew of E. E.'s finished the assembly of our hi-fi components. The system consists of a V-M four speed changer and a Heath-kit AM tuner fed into a Heathkit 20 watt amplifier, which which drives a GE speaker. The whole system has been built into one end of the chapter room.

As this room nears completion we are becoming increasingly proud of the fact that we "Did it ourselves."

We are all looking forward to homecoming with special interest this year. Several of our alumni of the class of 1932 are returning to celebrate the 25th annual homecoming since their graduation. This is the ideal time for the alumni to get together to talk over old times, and compare the old and the new with us.

PI KAPPA ALPHA

For the past week, pledges all over campus have been "seating it" as they watched ours go through the rigors of work week. Our nine, together with some help from the actives, did an excellent job of painting and repairing the house. Work Week at PKA is an ordeal designed to test the desire of the pledge to become a member of the fraternity. Its successful completion involves a great deal of mental and physical strain. Congratulations are certainly in order to our pledges who came through with flying colors.

One of the big social functions of the year is the homecoming dance. PiKA is planning a "Hallowe'en Party." It was suggested that the expense of costumes will be small for the married men as they need only provide their wives with broomsticks.

Thanks are long overdue to Lee Mueller for providing the house with an instructional film on the principles of television repair.

THETA KAPPA PHI

Another busy week has passed at the Theta Kap house with major emphasis on the intramural sports results. Last week, the team finished in second place in the football playoffs. Congratulations, fellows, for the hard work and fine comeback after that first loss. In intramural tennis singles, the Theta Kaps took first with Brothers Don and Jim Gunther occupying the top spots. It was the same story in ping pong with Don Gunther in the singles spot, while Jim Gunther and Dick Ross finished on top in doubles.

At this time, Mu Chapter announces the arrival of two new men into the active brotherhood of Theta Kappa Phi. Congratulations, Bro. Dave Burke and Bro. Ev Niehaus!

The big news around the house is the homecoming festivities which will begin tonight. Preparations are in the final stages and the welcome mat is out for our alumni. We hope to see a lot of the old grads, and we want to make it an enjoyable, fun-filled weekend for them.

KAPPA SIGMA

Initiation was held Sunday, Oct. 20, for James Schlensker and Dr. William James of the Chemical Engineering department. Following initiation a banquet was held in their honor with Coach Gale Bullman as the guest speaker. Congratulations to you both and welcome to the fraternity.

Work weekend was also held last weekend and much was accomplished around the house and at various other projects. Everyone agreed it was one of the best work weekends in years.

Decorations and plans for homecoming have begun and are progressing under the guidance of the social committee. We are looking forward to seeing the alumni and we hope they will be pleased with the improvements made on the house.

Under the watchful supervision of the sophomores, the pledges were shown a few of the games played during "fun" week. Everyone had an enjoyable time and we are all looking forward to the next instructional period. Beware pledges!

If Anyone Has . . .

- Been married;
- Borrowed a stamp,
- Made a speech,
- Robbed a bank,
- Bought a Buick,
- Sold a dog,
- Heard a joke,
- Lost a key,
- Made a bet,
- Found a dime,
- Committed suicide,
- Broken his neck,
- Passed a Physics quiz,
- Gone fishing,
- Shot a cat,
- Passed an Organic quiz,
- Been away,
- Come back,
- Taken a vacation,
- Broken a shoe string,
- Passed any quiz,

It's news! Send it to the MINER office at once.

She stroked my hair, she held my hand;
The lights were dim and low.
She raised her eyes with sweet surprise,
And softly whispered, "No."

Nurse: "I think that engineering student is regaining consciousness, doctor."

Doctor: "Why?"

Nurse: "Well, last time I looked in on him, he was trying to blow the foam off his medicine."

According to Webster 'taut' means tight. We guess that college students are taut a lot after all.

The Battle of the Sexes will never be won by either side. There's too much fraternizing with the enemy.

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Chemical engineers and chemists, for our Hall and Calgon Divisions, receive six months training, including: classroom work; on-the-job training with a Field Engineer, and rotation in various departments. Then assignment to a District Office—where possible in a territory of your choice.

What's ahead for you? Hagan is growing fast. Field Service Engineers and Chemists have excellent opportunities for positions in Sales Engineering, or administrative work.

For specific details on type of work, travel, benefits, etc., make an appointment through your College Placement Officer to learn about the opportunities for you at Hagan. Remember, you start as one of a select team of only 20 graduates.

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Hagan personnel officer will be interviewing on the date shown below. See your placement officer for interview time.

NOVEMBER 18

Independents

At the Independents' meeting last Monday night, the GDI, "Generally Discreet Individuals," voted to have their first Christmas Dance. Passed by an enthusiastic majority, the holiday dance was scheduled for the week-end of December 13. Early plans are already underway to make this event a large success for ALL.

Del Day gave a report on the activities of the Student Council. Everyone was invited to take his ideas to his representative or attend the meetings in person. All Student Council meetings are open to ALL students. The Independents passed the proposal to give Student Council Funds as partial payment, not to exceed one-half, to the cost of buying MSM Band Uniforms. Further action is up to the Council.

With twenty-five new members, a total of 175 members were present at the second GDI meeting of the year Monday night. The group heard a report by Jim Nautert on the activities of the St. Pat's Board. The members then passed by an overwhelming majority to pay and build a float for the St. Pat's Parade this year. Additional funds and work will be furnished by the eating clubs.

The meeting ended with entertaining cartoons and door prizes. The following names, drawn by Dr. Johnson, received the following awards: Ted Muschany, cufflinks; John Shavers, corsage; John Sullivan, case of beverage of his choice; and Jim "Fido" Ferrero, a wash and lubrication job . . . for an automobile. We know if these boys couldn't use these items they had no trouble in finding others fighting for them. Let us all remember that these prizes were donated by the following firms: Vern't Clothing Store, 801 Pine; Ed's Florist, 205 W. 11th; Hancock Drug and Beverage, 1005 N. Pine; and Roy Colter's Standard Station, 10th and Pine.

Miscellaneous items were also awarded to Fred Gruel, Bob Kohlleppl and Jim Staley, compliments of recent budget cuts.
Jim Robertson

Engineers Club

This reporter is happy to announce that the ENGINEERS' Club is the 1957-58 Champions in flag football. The honor was won on Thursday, October 17, by beating a strong Theta Kappa Phi team; 27 - 7. Say fellows if we continue to do as well in other intramural sports won't we have to enlarge our mantle?

In a recent meeting the ENGINEERS' CLUB made a few minor changes in the menu and discussed the coming campus functions. Volunteers for cross country are Eddie Aggers and Dan White House. Good luck men and we know you'll do your best to bring home the bacon tomorrow.

With all the beautiful young things coming to town, the week-end promises to be a big one. Fellers from the ENGINEERS' CLUB have heard and are still hearing, "Hey, anybody wanna buy a dance ticket?" Here is hoping all have a wonderful homecoming; welcome back alumni and good luck team.

Incidentally, yours truly is taking the big step and will change Miss Judy Plummer to Mrs. Judy Vancil.

Mike Vancil

"Did she let you kiss her?"
"Oh, gosh no! She isn't that kind."
"She was to me!"

Italian Metallurgist Visits MSM Campus

The President and Director of the Breda Institute of Scientific Research, Milan, Italy, Mr. Alessandro Reggiori, was a visitor to Rolla Monday and Tuesday, Oct. 7 and 8. While here he renewed acquaintanceship with members of the faculty of the Missouri School of Mines and Metallurgy whom he had met once before in 1954 as a member of a group of European metallurgists visiting metallurgical plants and educational institutions in the United States. However, Mr. Reggiori had even more important reason for visiting Rolla, in that his

daughter and son-in-law, Mr. and Mrs. Attilio Ligasacci, are graduate students here in the Department of Geological Engineering. The young couple after graduating in Geology from an Italian University wished to take graduate work at some school in the United States. Mr. Reggiori arranged for them to come to Rolla, because as he explained it, the Missouri School of Mines impressed him most of all of the mineral industry schools that he visited in the United States.

Previous to coming to Rolla this time, Mr. Reggiori had just

completed a tour of defense establishments in the United States as a member of a group of promi-

nent Italian scientists and officers connected with the Italian Ministry of Defense.

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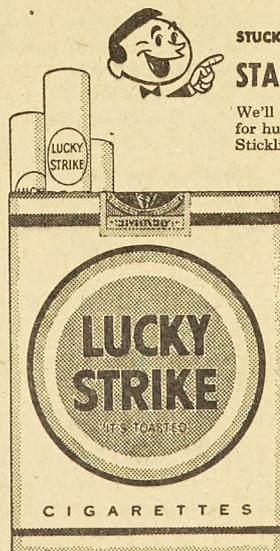


WHAT IS POLITE BUT MEANINGLESS CONVERSATION?

CAROL KASPER, U OF CAL Civil Drivel

WHAT IS A LAWYER'S BRIEFCASE?

JACK HENSON, U OF TOLEDO Writ Kit



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WHAT DOES A MEDIEVAL RENT COLLECTOR GET INTO?

CHARLES THARP, MISSOURI SCHOOL OF MINES Castle Hassle

WHAT IS AN UNOILED CASH REGISTER?

CLAUDE EICHEL, N. Y. U. Shri!l Till

WHAT IS A COOK'S CONVENTION?

DONALD SEGAL, YALE Galley Rally

WHAT IS A NARROW SPORTS ARENA?

JANET HOYT, WESTERN MICHIGAN COLL. Slim Gym

WHAT IS A SNOWBALL FIGHT?

THOMAS ROGERS, EMORY U. Cool Duel

LIGHT UP A light SMOKE—LIGHT UP A LUCKY!

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Internat. Fellowship

It has been the intention of the International Fellowship to make a better understanding among all the fellow students from near and distant countries of the world. This is being done through holding regular meetings every other Friday evening.

The second meeting of this year was held last Friday, 18 Oct. 1957 at 7:30 p.m. In this meeting Mr. Richard D. Pearson spoke about his native country, Australia. Mr. Pearson is a graduate in the Civil Engineering Department.

Meanwhile, there will be an International dance in St. Louis on Saturday October 26, and we expect all the members to be there. This will give the members a better chance to enjoy social life.

In conclusion, we again invite every fellow student on the campus to join us.

G. Malek Nejad

ACADEMY OF SCIENCE (Continued from Page 1)

the National Bureau of Standards; at the Naval Research Laboratory in Washington, D. C.; and at the Oak Ridge National Laboratory in Oak Ridge, Tennessee.

These Postdoctoral Resident Associateships have been established to provide young scientists of unusual ability and promise an opportunity for advanced training in basic research in a variety of fields. The most modern facilities are available in the general areas of the biological, physical, and mathematical sciences. In addition to the above, research in visual psychophysics and engi-

neering psychology is also available.

Applicants must be citizens of the United States. They also must produce evidence of training in one of the listed fields equivalent to that represented by the Ph. D. or Sc. D. degree and must have demonstrated superior ability for creative research. Remuneration for these associate-ships is \$7035 a year.

Application materials may be secured by writing to the Fellowship Office, National Academy of Sciences-National Research Council, 2101 Constitution Avenue, Washington 25, D. C. In order to be considered for awards for 1958-1959, applications must be filed at the Fellowship Office on

or before January 13, 1958. Awards will be announced about April 1, 1958, by the participating laboratories.

CHINESE WOLF: A guy who takes his girl for a richshaw ride, then stops and tells her he ran out of coolies.

UPTOWN THEATRE

MOVIES IN CINEMASCOPE

Thursday, Friday and Saturday, Oct. 24-25-26

FILMS OF ROBINSON-BASILIO PRIZEFIGHT

'3:10 to Yuma'

Glenn Ford and Van Heflin

Sunday, Monday and Tuesday, Oct. 27-28-29

Sunday Continuous from 1 p. m.

'The Pajama Game'

Doris Day and John Raitt

Wednesday-Thursday, Oct. 30-31

'A Man Afraid'

George Nader, Phyllis Thaxter

RITZ THEATRE

MOVIES ON WIDE SCREEN

Friday and Saturday, Oct. 25-26

Saturday Continuous from 1 p.m.

'Carousel'

Gordon MacRae, Shirley Jones

— PLUS —

'Utah Blaine'

Rory Calhoun, Susan Cummings

Sunday, Monday and Tuesday, Oct. 27-28-29

Sunday Continuous from 1 p. m.

'The Careless Years'

Dean Stockwell, Natalie Trundy

Wednesday-Thursday, Oct. 30-31

'The Barretts of Wimpole Street'

Jennifer Jones and Bill Travers

— PLUS —

'Five Steps to Danger'

Ruth Roman, Sterling Hayden

ROLLA DRIVE IN

Box Office Opens at 6:30

Show Starts at 7 P. M.

Friday and Saturday, Oct. 25-26

'House on Telegraph Hill'

Wm. Lundigan, Valentina Cortesa

— PLUS —

'Johnny Concho'

Frank Sinatra and Keenan Wynn

The Rolla Drive-In Theatre

Will Close for the Season

After Saturday, Oct. 26

What's doing...

at Pratt & Whitney Aircraft in the field of Combustion

Historically, the process of combustion has excited man's insatiable hunger for knowledge. Since his most primitive attempts to harness this phenomenon, he has been tremendously fascinated by its potentials . . . perhaps never more so than today with respect to the use of combustion principles in the modern aircraft engine.

Theorems of many sciences are being applied to the design and development of high heat release rate devices at Pratt & Whitney Aircraft. In the realm of aerodynamics alone, one of many airflow problems that exist in combustion work is diffuser design for advanced powerplants.

In spite of the apparent simplicity of a combustion system, the bringing to-

gether of fuel and air in proper proportions, the ignition of the mixture, and the rapid mixing of burned and unburned gases involves a most complex series of interrelated events occurring simultaneously in time and space.

Fuel injection systems which properly atomize and distribute under all flight conditions are a continuing challenge. In later stages of powerplant development, various combustion problems may be encountered which can be studied and resolved through the highly advanced facilities of P & W A's Willgoos Turbine Laboratory.

Although the combustion engineer draws on many fields of science (including thermodynamics, aerodynamics, fluid mechanics, heat transfer, applied

mechanics, metallurgy and chemistry), the design of combustion systems has not yet been reduced to really scientific principles. The highly successful performance of engines like the J-57, J-75 and others stands as a tribute to the vision, imagination and pioneering efforts of those at Pratt & Whitney Aircraft engaged in combustion work.

While combustion assignments involve a diversity of engineering talent, this field is only one of a broadly diversified engineering program at Pratt & Whitney Aircraft. That program—with other far-reaching activities in the fields of materials problems, mechanical design, instrumentation and aerodynamics — spells out a gratifying future for many of today's engineering students.



World's foremost designer and builder of aircraft engines

PRATT & WHITNEY AIRCRAFT

Division of United Aircraft Corporation

EAST HARTFORD 8, CONNECTICUT

Pratt & Whitney Aircraft operates a completely self-contained engineering facility in East Hartford, Connecticut, and is now building a similar facility in Palm Beach County, Florida. For further information about engineering careers at Pratt & Whitney Aircraft, write to Mr. F. W. Powers, Engineering Department.

The combustion process as it actually takes place in the afterburner of an advanced jet engine on test is viewed directly through a special periscope. What the engineer observes is simultaneously recorded by a high-speed motion picture camera.

