



05 Apr 1957

The Missouri Miner, April 05, 1957

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THE MISSOURI MINER

VOLUME 43

ROLLA, MO., FRIDAY, APRIL 5, 1957

NUMBER 23

Spring R. O. T. C. Appointments Are Announced by Colonel Moyers

Jerry Graham Becomes School's First Cadet Brig. General

Not every college in the country can boast of having a Brigadier General in command of their ROTC Corps of Cadets, but that is now the case at the Missouri School of Mines and Metallurgy. Dean Curtis L. Wilson pinned the insignia of Cadet Brigadier General on James R. Graham of Fredericktown, Missouri, during a ceremony in the Dean's office, making the first time that a ROTC Cadet at Missouri School of Mines and Metallurgy has been appointed to such a high rank.

Lt. Colonel Kenneth Maguire,

Associate PMST and Military Department Faculty Advisor to senior cadets, participated in the ceremony, representing Colonel Eugene E. Moyers, PMST. Colonel Moyers, who created the position, requested that Dean Wilson bestow on Cadet Graham what now becomes the school's highest military honor.

The Missouri School of Mines and Metallurgy has the largest enrollment in the Nation for both the required basic and voluntary advanced classes for an Engineer ROTC unit. The constant increase in enrollment in the school, and the resultant growth of the ROTC Corps of Cadets, made the formation of a brigade necessary.

Cadet Colonel Danny E. Barbato, Avilla, Missouri, has been designated Deputy Brigade Commander. The Brigade Staff is composed of Cadet Lt. Colonel Joseph R. Aid, III, West Plains, Missouri, Cadet Major Jack E. Toliver, Kansas City, Missouri,

and Cadet Major Paul W. Leming, Cape Girardeau, Missouri.

Cadet Colonel Waymon L. Johnston, Rolla, commands the 1st Regiment. His Deputy Regimental Commander is Cadet August R. Bardelmeier, Glasgow, Missouri. Staff positions in the 1st Regiment are held by Cadet Lt. Colonels Robert L. Herron, St.

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NOTICE

The Salk vaccine shots will be given to M.S.M. students under the supervision of Dr. E. E. Feind on Tuesday, April 9, 1957, from 4 to 6 p.m., in Jackling Gymnasium. All M.S.M. students who wish to be vaccinated must present their Record Form CD-5, properly filled out at the vaccination.

Fall Preregistration Begins on April 15

Students May Begin Checking With Their Advisors Next Tuesday

Preregistration for the summer session of 1957 and the fall semester of 1957-58 will be held during the period April 15, to 20 inclusive. The following program will be followed:

Seniors and Graduate Students will start preregistration on April 15.

Juniors will start preregistration on April 16.

Sophomores will start preregistration on April 17.

All others — April 18.

Preregistration will close on April 20 at noon.

No exceptions will be made on the above dates.

The classifications listed above are those which the student will have next fall, assuming he passes all of his current schedule.

The necessary papers will be given to the department chairmen on April 9. Students will complete their preregistration with the department chairman and then bring their schedules to the sectioning committee in Parker Hall on the dates listed above and leave it with the clerk numbering the schedules. Closed sections will be posted on the blackboard in Parker Hall.

Advisers are as follows: All Miners, Dr. Clark, 101 Mining Bldg.; Metallurgists, Dr. Eppelsheimer, 102 Met. Bldg.; Civil Engineers, Prof. Carlton, 105 Harris Hall; Mechanical Engineers,

Dr. Miles, 108 Mechanical Hall; Electrical Engineers, Prof. Lovett, 109 Norwood Hall; Chemical Engineers, Dr. Thompson, 101 Chem Engr. Hall; Ceramic Engineers, Dr. Planje, 104 Met. Bldg.; Science, Physics Majors, Dr. Fuller, 101 Norwood Hall; Science, Geology Majors, Dr. Grawe, 208 Norwood Hall; Unclassified Students, Prof. Lloyd 101 Rolla Bldg.

FRESHMAN:

Students taking essentially a second semester Freshman schedule will preregister through the Registrar's Office, -and not through the advisors listed above.

Preregistration will be conducted in the same manner as in the past, and the schedules turned in first will get their choice of sections unless changes are necessary to balance sections.

The preregistration schedule will be the student's official schedule unless he fails or drops some subject after preregistration, in which case he may have to make a new schedule on registration day, on September 16, 1957.

The student should, on September 16, carefully check his schedule for any necessary changes made during the summer in adjusting teaching loads.

PREREQUISITES:

In preregistering, check prerequisites as shown in the Schedule of Classes. Those who do not

Engineers Day To Feature Science Fair On April 11

The first South Central Missouri Science Fair will be held April 11 at the School of Mines and Metallurgy in Rolla. Invitations have been sent out to over 50 high schools in the South Central Missouri area to send exhibitors to the Fair. Invitations have also been sent out to many schools in adjacent counties that are not committed to other Science Fairs.

Present indication are that there will be a large number of exhibits in such fields as biology, chemistry, physics, engineering, geology, mathematics and other related areas of science. The exhibits will be open to the public.

The Science Fair at the School of Mines is being organized to make it possible for the South Central part of Missouri to participate in the Science Fair movement, explained Prof. Skitek who is coordinator of the project.

As in other Science Fairs, the Fair in Rolla will have the following specific purposes to give the public an opportunity to see for itself the work being done in the schools to develop scientific abilities. To publicize through radio, television, and the newspapers the crying need for more and better science teaching in our schools. To serve as an idea exchange forum and inspiration for young scientists. To help teachers improve and make more interesting the teaching of science and mathematics. To give the student a taste of what it means to do primary research in the sciences. To develop in the student the ability to recognize and solve prob-

lems in the manner of a scientist. To give the student a better appreciation and understanding of all phases of science. To give the student an opportunity to communicate his ideas through use of the third dimension. To give the student an opportunity to evaluate himself and help him to decide what studies and what career he should follow. To offer cash awards to assist students. To give teachers in the sciences and mathematics an opportunity to meet with one another and exchange ideas about their work.

Specifically, a Science Fair is a place which students, working singly or in groups, set up exhibits illustrating some scientific principle or the application of the principle to solve some problem.

Under the general topic of biology, exhibits may be prepared to illustrate such things as: animals in your every day life, blood types, Mendel's Law, nutrition in

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"Parker Hall Pops"

Concert by Band,

Free Tickets

M.S.M. Students may obtain free tickets to PARKER HALL POPS, to be held on April 16th. This announcement was made by Colonel Eugene E. Moyers, chairman of the military Department who further stated that the students attending this concert would get the same free refreshments given to the public who have paid for their tickets. This concert is the second of the "pops series" which was started with "an Evening at the Pops" last December. The Program will include both popular and semiclassical numbers such as "The Nutcracker Suite" and "Concerto for a one armed Paperhanger."

The complete program will be printed in the MINER next week. The Band is continuing its practice of using students as soloists. These students are Bruce Stinchcomb, cello; Millard Underwood, Trumpet; John Walters, Violin; and Student Conductor Don Ege will direct one of Franko Goldman's Marches.

Students may secure their free tickets for the concert by showing their activity tickets at a desk in Parker Hall Lobby on April 9th, 10th, or 11th between 1 p.m. and 4 p.m. Because of the free refreshments students must apply for their tickets during these days. Activity tickets can not be honored at the door of the concert.

Tickets for dates and others may be obtained from Captain Lawrence Norton in the Military Department. Tickets are 25c each. The concert will be under the direction of Mr. William Tetley, Band Director; and Mr. James Wm. Robbins, Assistant Director.

This concert is part of the Full program of the School Band which includes a concert on April 11th at the St. James Soldier's Home and a concert on April 27th at the Missouri State Prison. The High Point of the semester will be a 30 minute live telecast over KOMU-TV on May 5th.

SATURDAY CLASSES:

With growing enrollment, Saturday Classes are a necessity, and exceptions will not be made.

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



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How Long Prosperity?

Our higher echelon, in order to insure omnipotence for themselves and economic stability for the populus, have continually re-emphasized the fact that we will never again have a major depression. Are they infallible in proclaiming such an unwarranted statement. I doubt it!

I believe we have nearly reached the peak of the, "laborers holiday," or inflation therefore, it is only logical, with everyone, "owing their souls to the company store," that someday our monetary structure will slowly crumble and then collapse with as great a magnitude as in '29. Infinity is physically impossible.

With possibilities of a very torrid war just around the corner, our standard of living will remain the same if not increase. If we do engage in another world war, for the sake of democracy, our economy will certainly soar for those years and a finite number of post war years—if democracy is victorious. But what then? How long can we enjoy prosperity?

What is the answer?

Campus Capers

Dear Mom,

I may be home a little earlier than the 28th, and I probably won't have to go back to school—ever. All because we put our imaginations to work in devising new ways of occupying our leisure time.

It all started last Friday when a couple of us were politely requested to remove our esteemed entities from the realm of Engineering Drawing. And we were only playing hockey with T-squares and a blackboard eraser. I think Mr. Vickers was mad because we would n't let him play.

Then, Saturday night, we went ice skating. What more logical Herr Goering, wouldn't listen to reason. He spouted all kinds of dubious phrases in Lower Sanskrit (Ach de lieber, Schweinhundts) and finally dragged us off to some character named Dean. Now this Dean person, being a large circular object (I think he's a hub-cap), slaps us on probation. Also, he tells us that we have to take all our exams without our sliderules. What a low blow!

Probation not deterring us, however, we were found Sunday morning playing "I-can-break-more-windows-in-the-quad-with-my-Acme-ballistic-pendulum-gun-than-you-can," and this, I guess, was the last straw.

We are now incarcerated in a bastille-like chamber beneath the nuclear chemistry lab. Our trial by the Rolla-Kangaroo Circuit Court takes place tomorrow. It may never come off, though, I discovered a hole in the ceiling leading to the lab upstairs, and am now conducting a private, after-hours experiment on the critical mass of U-235. Always did do things with an eye for impressive effects.

Well, if everything works out O.K. I'll be flying home tomorrow, and it won't cost me a cent. See you then.

Your son,
R. P. Ion

M. S. M. Calendar of Events

Friday, April 12 — Future Farmers of America Vocational Agricultural Contest (South Central District of Contest).

Saturday, April 13 — Second day of FFA Vocational Agricultural Contest.

Sunday, April 14 — M.S.M. Glee Club sings at Missouri University.

American Society for Engineering Education meeting

ATTENTION ALL CAMPUS, PROFESSIONAL, AND SOCIAL ORGANIZATIONS:

For the most publicity of your upcoming social events, meetings, special lectures, or any future events of students interest, contact Rich Okenfuss by phone (449) or leave complete information at the Miner box in the Rolla Building. Information should include general nature of event, date, location, significant speakers of persons to be present, and additional details of interest. This information, in order to make the deadline, must be in one week preceding the week of the event. For campus events for the week April 15-21, all information must be in by April 8th.

LETTERS TO THE EDITOR

Dear Ed:

Why is it that a Miner gets a ticket from the police if he exceeds the speed limit on Salem Avenue by 3 or 4 mph, while the RHS high school students get off scott free, even though they tear past the school buildings at speeds up to 40 mph?

Why is it that the high school boys can swipe hub caps, rear view mirrors, and anything else which they can rip and tear from the Miners cars, and only get a slight warning from the Rolla Police Department?

Why is it that when 6 or 7 RHS boys jump on 2 Miners and severely beat them, the (honorable?) Police Force of Rolla doesn't even make an effort to apprehend the guilty boys.

If the faculty of this (honored?) institution of higher learning cannot do something to try and right some of these glaring injustices, and keep the people and students of Rolla off the Miners backs, maybe the students themselves can.

Milton E. Woodham
E.E. Senior, 1957

Fellow Students:

The relations between the local citizens and the students of the Missouri School of Mines is rapidly approaching an appalling condition.

This situation is being brought to focus by actions between the students of the School of Mines and the local youth.

This is an appeal to those few students of the School of Mines who seek to extract revenge, to remember that the compatibility of the students with the local citizens depends to a large extent upon the reputation and conduct of the students of the School of Mines. A few students could ruin this compatibility.

The taking of retaliatory action in our own hands would only lead to disastrous results. The ultimate being some person permanently injured or maybe even killed.

I ask you to avoid contact with persons seeking trouble. Leave the solution of the present situation to the proper authorities.

Let us keep the honor of the School of Mines clean and conduct ourselves as proper citizens of the United States.

Sincerely yours,
John Kuhne

New Signs About the Campus Mean "Keep Off the Grass"

This is your campus. Keep it beautiful! With this thought in mind your Student Council has financed the construction of signs that can only be interpreted in one way, KEEP OFF THE GRASS. Alpha Phi Omega constructed these signs and placed them about the campus to provide a service to the student body. These signs should be respected as they were put up by the students and they are meant to be beneficial to the entire student body. In their first appearance on the campus some of these signs were torn down by students who seemingly have no interest or pride in Missouri School of Mines. The Student Council and Alpha Phi Omega wish to thank the students who take heed of the little hints on these signs and hope that in the future the signs will be observed and unharmed by all.



Dean Curtis Wilson is shown congratulating Cadet James R. Graham after he was appointed Cadet Brigadier General of the Cadet Corps. This is the first time that a ROTC Cadet has been appointed to this rank. Also pictured is Lt. Colonel Maguire.

strictly ad lib

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"Unless all of us—Bandleaders, ballroom operators, and especially the American Federation of Musicians—get together on an effective nationwide campaign, dance bands in ballrooms will wind up on CBS' Odyssey as a historic American relic." The words of bandleader Buddy Morrow, as told to Nat Hentoff, exemplify the dance band situation today as seen by the bandleaders themselves and expressed in the April 18, Fifth Annual Dance Band Directory issue of Down Beat.

Other leaders join with Morrow. Sam Donahue feels that "good music, in this age, could become a gimmick." Warren Covington says, "With a lot of luck and plenty of hard work, I'm hoping to see the day when bands . . . will receive the response that Heidt, Miller, the Dorseys, and Goodman received."

Lawrence Welk comments, "They want us to play the music they like—just as they have for the last 30 years that I can remember." Secure polka band leader Stan Wolowicz adds, "Polka music won't die because it's lively. It's been here for years . . . and it'll stay." Dan Belloc's appraisal of the present dance band scene is highlighted by the following comment: "Unless we can get back to the prestige stage that singers and vocal groups have reached, the (dance band) business will never improve."

Ray McKinley offers, "If you're not interested in getting to the top—and experience is the only way to make it—then why not

forget the whole thing and go back home and raise petunias?"

Music News: The people are dancing and will turn to enjoy a good dance band, according to Louis Brecker, owner of the new Roseland Dance City ballroom in New York. Brecker has announced plans to spend \$2,500,000 to prove his point . . . The Glenn Miller-styled Ray McKinley band will become the first American band to play behind the Iron Curtain, when it performs concerts in Poland, Romania, and Czechoslovakia during its current tour . . . Eddie Sauter of Sauter-Finegan fame, departed this country to assume his new post as music director of Sudwestfunk, the radio center in Baden-Baden, Germany . . . Harry James, fronting a 12-piece band, returned to full-time music with a tour throughout the south.

MSM Represented by Dr. Nolte at Radio Show in New York

The Electrical Engineering Department of the Missouri School of Mines was represented by Dr. Roger E. Nolte at the Radio Engineering Show in New York March 18-21. The show, attended by more than 50,000 engineers and scientists, consisted of 55 technical sessions and 834 industrial exhibits displayed throughout the four floors of the New Coliseum.

Dr. Nolte served as vice-chairman at the annual meeting of the Education Committee and became an executive officer in the newly formed Professional Group on Education. The newest of the 26 professional groups within IRE will serve as an active link between industry and the education institutions. It will deal with the scientific manpower shortage by evaluating the use of closed-circuit-television at all levels of education.

Husemann Making Rapid Improvement After Eye Injury

Ron Husemann, a junior in Chemical Engineering here at MSM, is reported to be improving rapidly after suffering an eye injury in a freak accident here several weeks ago.

Husemann apparently flipped a staple into his eye on March 22. He was rushed to St. Louis and immediately admitted to Lutheran Hospital, following the accident.

After showing rapid improvement, he was discharged from the hospital last Friday. Although still forced to keep the eye covered, Husemann is taking reading exercises and expects to be back in class here early next week.

Husemann is a member of Beta Sigma Psi Fraternity, the M Club and the St. Pat's Board.

Atomic Heat Becoming More Important Daily

RICHLAND, Wash., — Within a few decades, factories, office buildings and other large structures may be heated atomically "without a speck of soot, an ounce of ash or a cubic foot of smog," a General Electric Company engineer predicts.

S. L. Nelson, manager of one of the processing operations at the Hanford atomic plant, says that successful use of reactor waste heat for Hanford buildings has shown that dirt-free atomic heating is technically feasible.

He pointed out, however, that success of his predictions depends on making atomic fuel available for heating purposes, design of a reactor specifically for low-energy heat production and overall reductions in costs of building and operating reactors.

"Atomic technology is fully capable of producing a long-life, low powered safe reactor, suitable for space heating," he stated. "Although not enough work has been done on the economic aspects of atomic space heating to make any evaluation, a preliminary glance indicates that for some applications it would be attractive even now."

He said that the Atomic Energy Commission already has laid the ground work for standardization and control of such systems, but that "the remaining problem is fuel." He said that fuel now is channeled into "more urgent projects."

"The fascinating business of getting motive power from the atom claims so much attention that engineers and scientists generally overlook one important potential—utilization of raw energy as it comes from the atom nucleus in the form of heat," Nelson commented.

Producing power with atomic reactors, he said, involves many expensive problems which "shrink to insignificance if low pressures and temperatures below the boiling point of water can satisfy the designer."

"While not worth much for driving a turbine, this range of heat does nicely for space heating, as in the new Hanford atomic energy space heating system," he explained.

He said that the Hanford heating system works this way.

Water from the Columbia river is pumped through Hanford reactors used in producing plutonium. This water cools the reactor and picks up immense amounts of heat, along with a slight amount of radioactivity.

The reactor cooling water then is pumped to an outside heat exchanger, where it gives up its heat to an ethylene glycol-water solution. The ethylene glycol solution is circulated to air conditioning systems in reactor building, operations buildings, administrative offices and maintenance shops.

Ethylene glycol is used to prevent freezing in outside air conditioner coils during sub-freezing weather.

Safety of the system is assured by maintenance of higher pressure in the secondary ethylene glycol system than in the reactor coolant water. If a leak should develop, the flow would be from the non-radioactive fluid into the radioactive fluid, thus preventing radio-active water from getting into the heating system.

Nelson said that the Hanford

installation has shown itself to be a "remarkably sound and trouble-free system."

"Although development projects often operate at a loss," he stated, "this system will make a profit, saving the taxpayers a net of about \$60,000 a year after a three to seven-year amortization."

Enough heat is recovered in the system to heat more than 1,000 average-sized houses during the winter season, he added.

"Poppa, vot is a vacuum?"

"A vacuum is a void."

"Yah, I know dot popa, vot's de void mean?"

James Johnson Given Nuclear Technology Scholarship to MSM

James Winston Johnson, son of Mr. and Mrs. Fred M. Johnson of Nashoba, Oklahoma, has been granted a scholarship in Nuclear Technology by the Atomic Energy Commission to work toward a Master's Degree and, eventually, the Doctor of Philosophy Degree in Nuclear Technology at the Missouri School of Mines and Metallurgy at Rolla, Missouri, according to an announcement received from the Atomic Energy Commission.

James graduated from the Clayton High School in Clayton, Oklahoma, in 1947 and graduated from the Southeastern State College, Durant, Oklahoma, in 1953, after which he entered the Army

and came out as a staff sergeant in 1955. He then enrolled in the School of Mines and Metallurgy in September of that year and is completing work for his Bachelor of Science Degree in Chemical Engineering on May 26, 1957.

James married Miss Vera Hamman, daughter of Mr. and Mrs. Dave Hamman of Nashoba, Oklahoma, and in Rolla they live in the School of Mines apartments.

KAPPA SIGMA

The crying towels (of the grade

point variety) have been carefully wrung out, dried, and neatly putaway. The worst part of the coming weeks is that it is about time for spring fever, swimming, and all of the gay outdoor activities that are associated with this time of the year. This is no help!

The volleyball team has had a few bad breaks, losing by only a few points in a couple of instances. Tennis and horseshoes are expected to yield some points and maybe even a trophy or two. The Softballers are warming up their throwing arms and sharpening their batting eyes in anticipation of a winning season.

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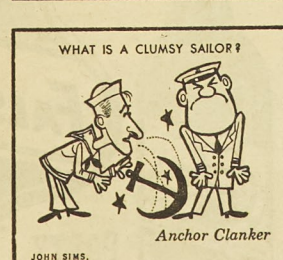
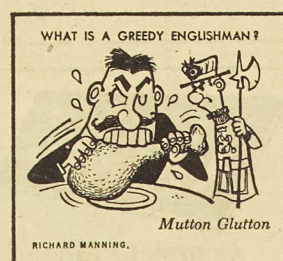
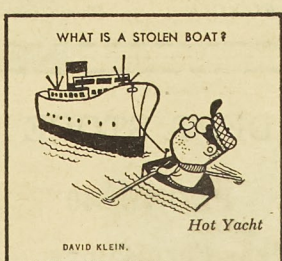
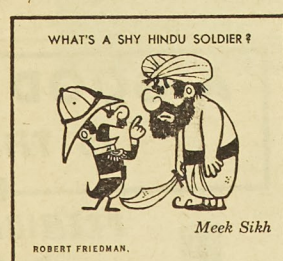
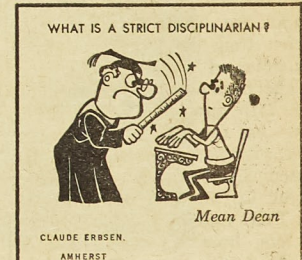
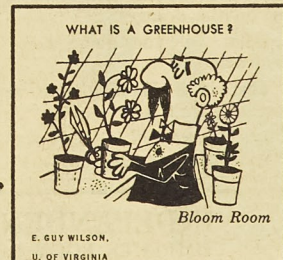
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9th and Pine
PHONE 392

Sticklers!



WHAT IS A LUCKY AT LUNCH TIME?
(SEE PARAGRAPH AT RIGHT)

WHAT A MENU! A dank frank, an ol' roll, a pallid salad, and a dry pie. Let's face it, friend—your lunch-time fare needs brightening! Recipe: light up a Lucky! It won't make a filet out of that frank, but it's a *Noon Boon* nevertheless. A Lucky, you see, is all cigarette—all great smoking, all the way through. It's made of fine tobacco—mild, good-tasting tobacco that's **TOASTED** to taste even better. But why wait till noon to try one? Right now, you'll say Luckies are the best-tasting cigarette you ever smoked!



STUDENTS! MAKE \$25

Do you like to shirk work? Here's some easy money—start Stickling! We'll pay \$25 for every Stickler we print—and for hundreds more that never get used. Sticklers are simple riddles with two-word rhyming answers. Both words must have the same number of syllables. (Don't do drawings.) Send your Sticklers with your name, address, college and class to Happy-Joe Lucky, Box 67A, Mount Vernon, N. Y.



Luckies Taste Better

"IT'S TOASTED" TO TASTE BETTER . . . CLEANER, FRESHER, SMOOTHER!

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Theta Kap, Beta Sig, and Pi K. A. In Volleyball Finals

News from the Intramural Volleyball Court is a little late due to the publication of the April Fools copy but better late than never. Play in the leagues started the 19th of March. As we go to press the league championship games are being played. Here's how the week of Volleyball appeared on the Scene:

On the 19th of March play went as follows:

Beta Sig defeated Sig Ep, Pi K A won from K A, Sig Nu over the Prospectors, Triangle over B S U, Theta Kap took one from Lambda Chi, The Engine Club defeated the Dorm, Tech Club took the Newman Club, and the Dorm forfeited to Theta Xi.

On the 20th of March play went as follows:

Shamrock defeated Sig P, Theta Kap took one from the Prospectors, Beta Sig over B S U, K A won over Delta Sig, Dorm A over Wesley, Pi K A won from Sig Tau, the Newman Club forfeited to Lambda Chi, and the Engine Club defeated Triangle.

Play on the 21st went like this:

B S U over Sig Ep, Pi K A won from Delta Sig, the Prospectors took one from the Dorm, TKE defeated Theta Xi, Theta Kap over the Newman Club, Triangle over Wesley, the Shamrock Club won from Sig Tau, and Kappa Sig took one from Sig Pi.

Play on the 22nd went like this:

K A defeated Sig Pi, Sig Nu over TKE, the Engine Club won from Sig Ep, Pi K A over the Shamrocks, the Newman Club forfeited to Theta Xi, Triangle over Dorm A, the Tech club over Kappa Sig, Theta Kap won on a forfeit from the Dorm, and Beta Sig defeated Wesley.

The beginning of the week on the 25th saw the Engine Club take one from B S U. Kap Sig over Sig Tau, Lambda Chi defeated Sig Nu, Wesley forfeited to Sig Ep, Pi K A won over Sig Pi, TKE took one over the Prospectors, Beta Sig over Dorm A, K A defeated the Tech Club, Theta Kap won over Theta Xi.

On the 26th, play went like so:

TKE defeated the Dorm, BSU took it over the Wesley Club, Tech Club won from Delta Sig, Lambda Chi dumped the Prospectors, Kappa Sig won over Shamrock, Sig Nu defeated the Newman Club, Sig Ep took it from the Dorm, K A won from Sig Tau, Triangle defeated Beta Sig.

Play on the 27th went as follows:

Pi K A defeated Kap Sig, Sig Nu over Theta Xi, BSU defeated Dorm A, K A went over the

Shamrocks, Sig Tau won from Delta Sig, Triangle beat Sig Ep, Tech Club won over Sig Pi, Lambda Chi won from the Dorm, Theta Kappa defeated TKE, and the Engine Club beat Wesley.

The 28th saw Pi K A defeat Tech Club, K A won from Kappa Sig, Sig Pi over Sig Tau, The Shamrocks won over Delta Sig, Beta Sig defeated the Engine Club, Lambda Chi won from TKE, Prospectors took Theta Xi, Theta Kap won from Sig Nu, and Kappa Sig won over Delta Sig.

Those are the scores so far in league play. The 29th was the final day of play before the playoffs and the Championship Tourney. Also on the Intramural sports scene are some results of Tennis Doubles. Most of the first games were byes.

Theta Kap, TKE, Sig Pi, Tech, Beta Sig, Triangle, Wesley, Kappa Sig, KA, and Shamrock all drew Byes. In the games played, Sig Tau forfeited to BSU, Lambda Chi defeated Delta Sig, Sig Ep downed the Prospectors, the Engine Club forfeited to Theta Xi and Sig Nu defeated the Dorm.

That's about it for this week in Intramural sports. Next week, we'll have news on the Championship play in volleyball and the standings. Also more about Tennis and Horseshoes. Until then, here an aspirin for those mid grades.

Joe Masnica

A lady opened her refrigerator and found a tipsy little man sitting on the oranges.

"What are you doing here?" she demanded.

"This is a Westinghouse refrigerator, isn't it?"

"Yes, So what?"

"Well, I'm westing."

Miners Trounce Harris, Win Almost Every Event

The Missouri Miner thin clads opened their track season with the first dual meet here in Rolla by running over Harris Teachers College of St. Louis. After taking third place in the Conference Indoor meet at Columbia the previous week the strong Miner squad was just too strong for the visitors from St. Louis.

It was nearly a complete rout, for them as the squad took every first except for the 220 yard dash. This would probably have been taken by the Miners but Eshbaugh was not entered in the event. Harris did put up a good fight but it seemed that the Miners had just that little bit extra needed to take first place and sometimes sweep the event.

All in all 26 Miners entered into the scoring column with Barre and Eshbaugh leading the list. Barre took first in the 220 low hurdles first in the pole vault and second in the high hurdles to be the leading scorer of the meet while Eshbaugh took second scoring honors with firsts in the 440 yard dash, the broad jump and shared first place honors with the Mile relay team. Congratulations are in order to the two men and the rest of the Miner track team.

A nice sized crowd was present at the meet Saturday afternoon but it would seem that more students could find time to come to the track meet to cheer the team on to victory.

Results of the meet are listed below:

The results, in order of finish:

Mile — Hershbach, Miners; Vancil, Miners, Scott, Harris, 4:46.7.

440-yard dash — Eshbaugh, Miners; Fitzgerald, Harris; Collins, Miners, 51.7.

100-yard dash — (Three-way tie) Allison, Miners; Wright and Sidener, Harris, 10.5.

High Hurdles — Walz, Miners. Barre, Miners, Jackson Miners, 16.1.

880-yard dash — Burkhead, Miners; Parker, Harris; Rasche, Miners, 2:03.

220-yard dash — Sidener, Harris; Feaster, Miners; Allison, Miners; 23 seconds.

2-mile — Hershbach, Miners; Vancil, Miners; Scott; Harris; 10:50.

220 Low Hurdles — Barre, Miners; Jackson, Miners; Pritzker, Miners.

Mile Relay — Miners (Eshbaugh, Burkhead, Collins, Shaver), 3:42.

Shot Put — Smith, Miners; Williams, Miners; Agers, Miners, 45 feet 2 inches.

Pole Vault — Barre, Miners; Kreder, Miners; Simmons, Harris, 11 feet 8½ inches.

Javelin — Northrup, Miners; Sullivan, Miners; Evans, Miners, 165 feet.

High Jump — Evans, Miners; Hammond, Miners; Sidener, Harris; 6 feet 1 inch.

Discus — Agers, Miners; Eaker, Miners; Williams, Miners, 130 feet 9 inches.

Broad Jump — Eshbaugh, Miners; Sidener, Harris; Galvin, Miners, 20 feet 7 inches.

Golf Team Whips Concordia 18-0

In Season Opener

Playing the opening match of the 1957 Golf season against the link men of Concordia on the School of Mines Golf course the Miners played flawless golf to shut out the Concordians 18-0.

This was the first match for the team since the conference meet last year and with the inclement weather of the past month the scores are very good.

The Miners entering a veteran team composed of Arch Burke, Harry Penn, Jim Joslin, and Friedline shot a total of 288 to 348 for Concordia.

Arch Burke was low man for the day with a 69. Burke won over Summerfield 72-94, Penn took Stein 72-83, Joslin had a easy time with Stein as he shot a 75, high for the Miner squad, to Steins 89, and in the final two games Friedlien carded a 72 to win over Nickels, 82.

It looked like the Miners might be taking up where they left off last year before they blew up in the Conference Meet. After winning the Conference title in 1955 the Miners won 10 matches before lady luck caught up with them and brought their score sky high in the important final match. While golf is not to much of a spectator sport here on the campus I'm sure the team would appreciate a show of interest and polite support.

"Tell me the story of the police raiding your fraternity."
"Oh, that's a closed chapter now."

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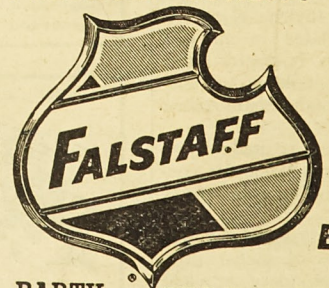
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Tennis Match With Harris Teachers Is Postponed

The tennis team suffered a set back in its attempt to get a good start. The Miners were due to compete against the team of Harris Teachers College but unforeseen difficulties caused the match to be cancelled.

More news will be coming next week on this year's team.

American Ceramic Society Plans Field Trip for April 12

The American Ceramic Society held its monthly meeting at 7 p.m., Tuesday, March 19. A movie by Granite City Steel was shown and illustrated the importance of ceramic refractories in the steel industry.

A field trip is being planned and the tentative date is Friday April 12. The field trip will include visits to the Owens Illinois Glass Bottle Plant in Alton, Illinois and the Missouri Portland Cement plant in north St. Louis. All ceramic students are urged to attend this field trip.

Twenty New Members Initiated at Eta Kappa Nu Banquet

On the afternoon of March 27, Gamma Theta Chapter of Eta Kappa Nu held its annual spring initiation and banquet. A total of twenty new members were initiated into the organization: Three professional members, Mr. Julius C. Strasbourger, The Cleveland Electric Illuminating Co., Cleveland, Ohio; Mr. James T. Jones, Empire District Electric Co., Joplin, Mo.; and Professor Freeman T. Tingley, Professor of Electrical Engineering, Two grad-

uate members, Mr. Robert T. DeWoody, and Mr. William L. Matcalf, Jr., and fifteen student members.

The outstanding pledge award was made to William J. Barlow at the banquet following the initiation ceremony. The banquet was held at the Edwin Long Hotel with Dean Wilson as the principle speaker.

The purpose of Eta Kappa Nu, an Electrical Engineering Honor Society, is best stated in the words of the preamble to its constitution: "That those men in the profession of electrical engineering who, by their attainments in college or in practice, have manifested a deep interest and marked ability in their chosen life work, may be brought into closer union whereby mutual benefit may be derived."

A skelton is a man with his inside out and his outside off.

AIEE-IRE Elect New Officers for Coming Academic Semester

On Wednesday night, March 20, the student branch of AIEE-IRE elected officers for the coming school year. They are:

Chairman — Dave Sutton
Vice - Chairman — William Fields

AIEE Secretary — Richard Konrad.

IRE Secretary — Mack Stanton

Treasurer — James Hackett
Dr. Roger Nolte was re-nominated as IRE faculty advisor.

Considerable telephone work was required in order to secure enough students to hold the election. Suggestions were heard that members display as much interest

in electing their officers as they do in attending the lectures arranged for by the officers.

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On Tap

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Two years ago, college senior Thomas Wheeler asked himself this question. Today, a Systems Analyst in IBM's Data Processing Division, Tom reviews his experience and gives some pointers that may be helpful to you in taking the first, most important step in your business career.



"What I probably like most about this job," says Tom, "is that you're never tied down to one desk and the same routine. There's always a new problem . . . a new approach needed . . . new people to meet and work with."

But first, what does a Systems Analyst do? "Briefly, we study a customer's present system—payroll, inventory control, billing or whatever—and convert it to a mechanized system using either conventional IBM business machines or IBM's high-speed electronic computers."

Tom works out of the IBM Baltimore Office with some of America's

finest by Tom as "converting the flow of instructions and information into the most efficient operation for an IBM magnetized drum computer. Bellwood," Tom points out, "is the Inventory Control Center for all



A problem in inventory control

Quartermaster centers in the country. The new system will achieve balanced supply and demand of material throughout the entire U. S.—will save money for the Government—and relieve many men from the drudgery of details."

For the past six months, Tom has been working with the Statistical Services Division of Headquarters Air Research & Development Com-



Explaining IBM's 705 electronic computer

mand. "We are designing and implementing a system to link eleven reporting centers to Headquarters by wire transmission," Tom reports. "Data transmitted to Headquarters by this system will be coordinated and then processed by an IBM 650 electronic computer."

Why Tom chose IBM

How does a senior like Tom, who was interviewed by at least twenty companies while in college, select his future employer? "In my case," Tom says, "the choice was easy. IBM offered the best opportunities. I knew IBM sales were about doubling every five years—and when I considered the tremendous growth potential of the electronic computer field—I had no trouble making up my mind."

"Besides, I was impressed by the caliber of IBM personnel. They had a broader outlook and an approach to

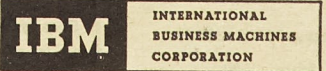


At the control panel of IBM's 650

business which I can best describe as professional.

"My future? It looks good—very good. I've already received two generous raises in less than two years, and at the rate IBM and the electronic computer field are expanding, my future is both assured—and rewarding!"

IBM hopes this message will help to give you some idea of what it's like to be a Systems Analyst in the Data Processing Division. There are equal opportunities for E.E.'s, I.E.'s, M.E.'s, physicists, mathematicians, Liberal Arts majors, and Business Administration graduates in IBM's many divisions—Research, Product Development, Manufacturing Engineering, Sales and Sales Assistance. Why not drop in and discuss IBM with your Placement Director? He can supply our brochure and tell you when IBM will next interview on your campus. Meanwhile, our Manager of College Relations, P. H. Bradley, will be happy to answer your questions. Just write him at IBM, Room 0000, 590 Madison Ave., New York 22, N. Y.



Studying customer's present system

biggest companies as his customers. Graduated from Johns Hopkins in August, '55, with a B.S.I.E., he came immediately to IBM. During his training period, Tom studied IBM's Punched Card and Electronic Data Processing Machines. He learned their uses, their applications, and was instructed in the theories and methods of data processing.

Diversified Assignments

A leading aircraft company was Tom's first major assignment. "My job there," he explains, "was to analyze the application of IBM's latest electronic computer—the 705—to regulate the flow of materials and machines used to fill Government contracts."

Then came a short, but highly satisfying assignment. At the Bellwood Quartermaster Corps, Tom set up a "SOAP" system (System for Optimum Automatic Programming) de-

Uptown Theatre

MOVIES IN CINEMASCOPE

Thursday, Friday, and Saturday
April 4, 5, 6

'The True Story of Jesse James'

Robert Wagner & Jeffrey Hunter

Sunday and Monday, April 7, 8
Sunday continuous from 1 p.m.

'The Great American Pastime'

Tom Ewell & Anne Francis

Tuesday, Wednesday & Thurs.
April 9, 10, 11

'I'll Cry Tomorrow'

Susan Hayward & Richard Conte

Ritz Theatre

MOVIES ON WIDE SCREEN

Friday & Saturday April 5, 6
Saturday continuous from 1 p.m.

'The Creature Walks Among Us'

Jeff Morrow & Rex Reason

— PLUS —

'Dakota Incident'

Linda Darnell & Dale Robertson

Sunday, Monday & Tuesday
April 7, 8, 9
Sunday continuous from 1 p.m.

'Beach Head'

Tony Curtis & Frank Lovejoy

— PLUS —

As Young as You Feel

Jean Peters & Monte Woolley

Wednesday, Thurs. April 10, 11

'Vice Squad'

Edward G. Robinson & Paulette Goddard

— PLUS —

'The Raiders'

Barbara Britton & Richard Conte

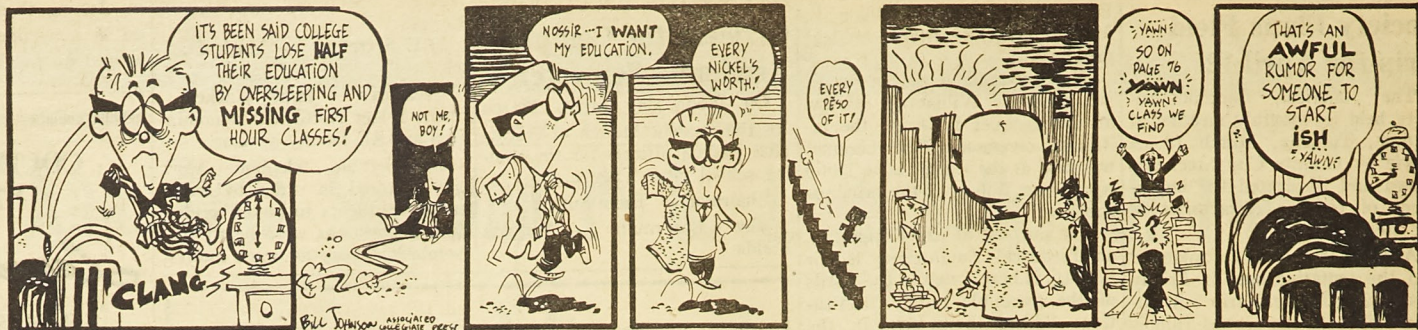
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Fraternity News

TAU KAPPA EPSILON

The theme of the Teke House as of late has been a general trend toward the finer things in life. What with the coming of spring, the time when a young man's fancy turns towards . . . Yea—women, many of the Tekes have decided that it was just about time to come out of hibernation and so we are happy to let the world know that two of the fraters of Beta Eta are pinned. Those to be congratulated are Nick Barre and his girl Betty Wilson, and Paul Singer, and Janet Donnmueller.

In celebration of the occasion, Paul was honored by the Tekes down at Cape. The celebration consisted of a little dip in the lake (along with another pinned frater Al Posner). Quite a few Tekes went to Cape last week-end for the Missouri Teke tournament held there. The Tekes of MSM were represented in the winning bracket as we came through with a second place trophy. Speaking of prizes, a goodly number of neat looking chicks were our hosts at the spring formal last Saturday night.

Along about here we would like to extend the best of luck and good health to Linda Sue, the new-born baby girl of Frater Billy Bob West and his wife Norma.

TRIANGLE

It was a miserable, rainy Saturday night in Jefferson City. The rain was coming down in buckets; no decent person would be out on a dark night like that. However, speeding down an old winding road that leads to the Hauf Park Golf Course could be seen a 1954 blue, hardtop convertible Ford. The driver sat tight-lipped behind the wheel with but one thought on his mind—a poor, innocent 16 year old girl cowered against the far side of the seat, afraid to even face this sulking brute. Finally the driver reached the spot he was looking for, an

old dirt road leading to an abandoned caddy house behind the golf course. There was a screech of brakes as the car made a sharp turn onto this road. This was where the brute made his mistake, for the car was soon up to its axles in mud, and could go no further. The girl was saved from a fate worse than death and Hunky Joe was forced to walk 3 miles to a phone to call a wrecker. Once more Joe was foiled and the contents of his glove compartment were to remain unused. May all nice girls be spared from a date with Joe.

THETA KAPPA PHI

Things have really been happening around the "cow" house in the last week. First of all, our volleyball team went on to win out in its league and will go into the finals which will be played before this article is printed. Our team looks in fine shape for these playoffs, and I believe we have a good chance to take them.

Last weekend our football team and almost everyone else traveled to St. Louis for our annual football game with Pi Chapter of Theta Kappa Phi at St. Louis University. It was a good fight but I regret having to report that we lost 7 to 0. After the game, a party was held and enjoyed by all.

The biggest thing which happened last week was the election of the new officers for the coming

year. Our new President is Bill Luebbert; Vice-president, Rich Konrad; Secretary, Dick Ross; and Treasurer, Bruce Bauer. Our new man with the chow is Jim Pitlyk and the man who will write this article from now on, our Historian, Lou Rephlo. Other new officers include Bob Gastaldi, Pledgemaster; Paul Benz, Alumni Secretary; and Joe Barry, Sergeant at Arms. Congratulations men. Also Congratulations to our retiring officers for the fine job they did.

Last week was also the scene of a funeral. I am sad to report that our rivals, Sig Ep were buried in effigy, symbolizing the way they are to be defeated in our annual "Soda" Bust, which is coming up soon. The man who was subjected, after a long chase, and nailed in the casket, was Rich "Couldn't hold another one" Aberle. The ceremonies went off as planned except for the premature awaking of the corpse. The final chapter of this story should be one for the books.

SIGMA PI

Well the house is in quite an uproar over the planned excursion of John Mick and his cronies. John has been diligently working on a sixteen foot cabin cruiser for the past year and plans to christen it this summer. It seems there will be quite a party included in the planned activities for all Sig Pi's who can make it. John has offered all of the drinks to be on the house for all who desire to attend. This could prove to be quite interesting.

We had a softball game with Sig Tau last weekend and although the mathematics were against us, we still won (psychologically, that is).

So ends another typical week at good? old M.S.M.

PI KAPPA ALPHA

The Pikers are off to a good start in volleyball this season, having won all of the games they have played so far.

Ron Rath has courageously re-adjusted his weekly schedule after much careful deliberation. He is now going to devote an hour of the time formerly allocated to worrying about grade point to drinking beer instead. This is a therapeutic measure advised by Dr. Berg for stimulating Ron's sluggish cerebral activity before physics quizzes.

Congratulations to Ted Fried-

lein and his wife Esther who became parents of a baby boy, Michael Stephen, March 24 at 11:30 a.m.

A poll of the female students at Cape shows Frank Bender to be the most likely contender for the "Most Ungentlemanly Miner of the Month" award. Frank feels that this is quite a distinction because of the quantity and quality of his competition.

A Miner who was rather severely burned recently was rushed to the emergency ward at the hospital. As he watched the intern dress his burns he said, "Doctor, when the bandages are removed, will I be able to play the piano?"

The intern nodded and said, "I think so."

"Gee, that's funny," mused the Miner, "I never could play before."

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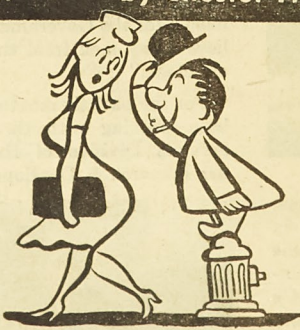
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by Chester Field

SPRING



"I beg your pardon, pretty Miss,
But would you give me one small kiss?"
"And why should I do such a thing?"
"Because, my dear, today it's spring
Because there's romance in the air
Because you are so very fair!"
"There's a lot in what you've said.
Okay, kiss me . . . go ahead."

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St. Pat's Board Says Thanks

The St. Pat's Board would like to publicly thank the many local merchants who helped to make this year's celebration a success by extending to the Board the use of their services. The Board asks the student body to patronize these firms in appreciation of their interest in our celebration.

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INDEPENDENTS

By Charles Baskin

The Independents held their annual elections last Monday. It was April Fool's Day but there was no fooling around at the elections. The meeting proceeded without many major eruptions.

Wally Northup was elected as the president of the Independents for next year. Wally will continue in the office in which he did such a fine job this past year. Del Day was elected as the new vice president and Tom Bertorello was re-elected as the secretary of the organization. Charles Baskin was elected as the treasurer of the GDI's.

The senior representatives to the Student Council are Charles Baskin, Tom Bertorello, Dick Boyett, Del Day, Jim Nauert, Wally Northup and Les Unnerstall. The juniors who will represent the organization are Don Feaster, Bob Hodge, Lynn Rockwell and Newt Wells. Bob Booth and John Shavers represent the sophomore class of the Independents.

Bob Hodge, Lynn Rockwell and Newt Wells will be a great addition to our St. Pat's Board representation for the forthcoming year.

In addition was made to the social committee to help plan for the Independents annual spring outing which will be held on April 27. Contact the officers and get your tickets now. Don't let it be YOU that misses the gala time.

She: Can I have a match?
He: Here's a cigarette lighter.
She: Don't be silly. I can't pick my teeth with a cigarette lighter.

Wesley Plans Spring Retreat in Ozarks Last Week in April

The Wesley Fellowship held an Open House in the Wesley Room last Saturday night. Members of other campus organizations were invited for discussion and recreation, and everyone was able to forget the specter of Mid for a short time. The record-player was repaired, and refreshments were served.

Plans are underway for the Spring Retreat up at the Lake of the Ozarks the last week of April. The quota hasn't been filled yet; if you'd like an inspirational experience sign up now.

James Carl Wins C. L. Dake Geological Society Award

On Wednesday, March 27, 1957, the C. L. Dake Geological Society announced that the student members had selected James Carl as the best student in geology hav-

ing at least 7 semesters of work in college. He was presented with a copy of "Structural Geology of North America," by A. J. Eardley. The book was donated to the Society by the publishers Harper and Brothers.

The Society created the award last year to be activated this spring. Jim, a Science Geology major, will graduate this August. He is, in addition to being a member of Dake Society, a member of Tau Beta Pi, Sigma Gamma Epsilon, American Institute of Mining Engineers, and other campus organizations.

The award itself is a plaque which will be displayed in the Geology Department. Each year, other Science Geology students (winning the award) names will be added to the plaque.

Mr. Carl received honorable mention in the National Research Fellowship competition, and has been appointed a Graduate Assistant in Geology at the University of Illinois for 1957-58. He will attend the University of Missouri summer camp for geology this summer.

SIGMA PHI EPSILON

Yearly election of officers was held at Sig Ep house Monday March 18, 1957. The officers elected, who will serve until next March, are Henry Strieder, president; Ron Sander, vice-president; Stan Moore, historian; Don Pfanstiel, secretary; Mike Kearney, chaplain; Jerry Loughrige, guard; George Wright, senior marshal; and Bill Byrne, junior marshal. Congratulations have been extended from many corners to these officers but probably the persons who most deserve the congratulations are the old officers, who did a fine job.

Well, Sig Ep's volleyball team finished its season with a 1-4 record. To top off the bad news the one win was on a forfeit. There was no doubt, though, that the team was in there trying all the way. Toward the end its inexperienced members started working together and the team started moving. Special thanks has been extended by Mike Swoboda, team captain, to those ten or twelve men who regularly at-

tended the games as spectators.

The house with the red door is right now going through a period of mourning. One of its members was buried Monday afternoon. It seems as if members of Theta Kappa Phi fraternity, in the process of answering a very well executed challenge by Sigma Phi Epsilon for an endurance contest, called Richard Aberle, Sig Ep's past president, over to their place and decided he needed burying.

The Theta Kap placed Rich in a coffin specially made for the occasion and carried out a funeral procession according to what looked like the Catholic ceremony. In the process they read off a rather indistinct answer to Sig Ep's challenge. There have been a lot of people who have said they think Rich should have been buried because he was getting pretty odoriferous.

"Where do you bathe?"

"In the spring."

"I didn't ask you when, I asked you where."

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ROLLA, MO.

Engineers Day

(Continued from Page 1)

animals, embryology of the chick, principles of heredity, etc. In chemistry one may explain through means of an exhibit such things as: Avagadro's principle, the properties of boron, crystals, glass etching, metallic plating, purification of water, etc. In engineering one may show: operation of a gas turbine, carburetion, operation of the jet engine, how a dam works, uses of a phototube, etc. In Physics, the following ideas may be illustrated: how an electric motor works, the principle of hydraulic lift, Newton's Laws, how the Wilson cloud chamber works, etc.

Students participating in the South Central Missouri Science Fair will be competing for cash and other awards. There will be two division of competition: one will be composed of exhibits that are exhibited by two or less individuals from the South Central Missouri region proper, namely schools in the nine counties of Camden, Crawford, Dent, Franklin, Gasconade, Maries, Osage, Phelps and Pulaski. The other division will comprise those schools outside of these counties who have been invited to exhibit here as well as those preparing exhibits in groups of three or more. Exhibitors have been advised that they will have the morning of April 11 in which to get their exhibits set up in Jackling Gymnasium on the School of Mines campus.

Each exhibit has been allotted a specified amount of space — the dimensions depending on whether it is to be a group or individual exhibit. Judging of the exhibits by a group of scientists will start promptly at noon. In the afternoon the displays will be open to the general public and everyone in the south central area of Missouri is invited to attend, especially parents of grade and high school students.

After the judges of the Fair have selected the winners, there will be a short ceremony at which Dean Curtis L. Wilson of the School of Mines and Edward W. Sewers, Publisher of the Rolla Daily News and sponsor of the South Central Missouri Science Fair, will partake in the program.

High school students in the area will have more than one reason for visiting the Science Fair because the date of April 11 was chosen to coincide with Engineers' Day on the School of Mines campus. This is the day when everyone, especially high school students, is invited to tour the campus and see for himself the fine facilities provided for the study of many branches of engineering and science. There will be guided tours and special displays set up by all departments on the campus.

Besides the School of Mines, which is offering its facilities, this year's Fair is also being sponsored by the Rolla Daily News. Plans for the Fair have been made by a School of Mines faculty committee, headed by Professor G. G. Skitek of the Electrical Engineering Department. This committee, with the cooperation of the superintendents, principals, and science and mathematics teachers of the participating high schools has made it possible for the people of south central Missouri to take part in a program dedicated to the task of reasserting the value of science education.

ROTC Appointments

(Continued from Page 1)

Louis, Missouri, Adjutant; Guy L. Wggs, Rolla, Operations Officer; and Donald J. Kozeny, Shrewsbury, Missouri, Supply Officer.

The 2d Regiment is commanded by Cadet Colonel David G. McKinstry, Kansas City, Missouri, and the Deputy Regimental Commander is Cadet Colonel Jacob W. Miller, Springfield, Missouri. The staff of the 2d Regiment is composed of Cadet Lt. Colonels Samuel S. Bowman, III, Sikeston, Missouri, Adjutant; Carl F. Wiemken, Marion, Illinois, Operations Officer; and Edgar F. Fiedler, Okawville, Illinois, Supply Officer.

Other cadets filling command and staff positions in the 1st Regiment are Cadet Lt. Colonels David W. Bunch, Mexico, Missouri, 1st Battalion Commanders; Roger L. Feaster, Palmyra, Missouri, 2d Battalion Command; and Gerald C. Godzwon, Cucuta, Colombia, South America, 3d Battalion Commander; Cadet Majors Eugene J. Hanss, St. Louis, Missouri, 1st Battalion Adjutant; John J. Lembeck, DeSoto, Missouri, 2d Battalion Adjutant; Charles L. Miller, West Plains, Missouri, 3d Battalion Adjutant; Richard H. Aberle, Ferguson, Missouri, 1st Battalion Operations Officer; Joseph F. Louvar, Chicago, Illinois, 2d Battalion Operations Officer; Norman L. Marsh, Fredericktown, Missouri, 3d Bat-

talion Operations Officer; Company Commanders, Cadet Captains Robert W. Eshbaugh, Rolla; Rolland W. Behnken, Marissa, Illinois; Edwin D. Reid, Kirkwood, Missouri; Jack E. Englick, Kansas City, Missouri; Gerald E. Moyers, Rolla; Robert J. Carr, Affton, Missouri; Donald J. Roth, Kirkwood, Missouri; B. Curtis Leach, Ironton, Missouri; and Donald E. Bischoff, St. Louis, Missouri.

2d Regiment command and staff officers are: 1st Battalion: Cadet Lt. Colonel William G. Demzik, St. Louis, Missouri, Battalion Commander; Cadet Major Fred W. Gruel, Sullivan, Missouri, Adjutant; 2d Battalion: Cadet Lt. Colonel Robert A. Jackson, Rolla, Battalion Commander;

Cadet Major William E. Hurlburt, Neosho, Missouri, Adjutant; 3d Battalion: Cadet Lt. Colonel Charles K. Miller, Springfield, Missouri, Battalion Commander; Cadet Major Tommy R. McKellar, Salina, Kansas, Adjutant; Company Commanders, Cadet Captains Bobby V. Harris, Poplar Bluff, Missouri; Harold A. Steinbruegge, St. Louis, Missouri; Bill W. Ashworth, St. Louis, Missouri; Philip S. Roush, Springfield, Missouri; Jerry O. Dawson, Bonne Terre, Missouri; Joe A. Stoll, Rolla, Robert M. Hess, St. Louis, Missouri; Lanny L. Evans, Poplar Bluff, Missouri; and Joel S. Scharf, Hewlett, New York.

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