



11 Dec 1959

The Missouri Miner, December 11, 1959

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BER 4, 1959
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PHONE ORDERS ACCEPTED
Midnite Snacks
PHONE EM 4-2121

Graduates of MSM Fare Well

Play Important Role in Program Of U. S. Army Engineer District, St. Louis

This group of graduates from the Missouri School of Mines is playing an important role in carrying out a comprehensive engineering and construction program in the U. S. Army Engineer District, St. Louis. These projects have included such works as construction of Locks No. 27 and Chain of Rocks Canal at Granite City, Ill., Locks and Dams No. 24, 25 and 26 on the Mississippi River; Devils Kitchen Dam; and extensive earthen and concrete flood control structures for both agricultural and industrial areas. Typical projects now in planning or construction stages include the Carlyle Dam and Reservoir in Illinois; comprehensive Flood Project for the City of St. Louis; and a low-water dam at the Chain of Rocks above St. Louis.

Edgar F. Pohlmann (CE-1939) is Project Engineer on City of St. Louis Flood Protection Project; Russell Day (CE-1950) is an engineer in the Structural Design Section; Rease W. Simpson (CE and EE-1934) is Chief of Contract Modification Section; Herman M. McKinney (EE-1935) is Assistant Chief of the Hydraulics Branch; Dale F. Beard (CE-1959) is assigned to rotational training program; Francis R. Walsh (CE-1944) is a Hydraulic



Standing, left to right: W. Worsec, Parsons, Hannauer, Singer, Wiseman, Moore, A. Worsec, Krattly, Miles, Selle, Tiefenbrun.
Seated, left to right: Pohlman, Day, Simpson, McKinney, Beard, Walsh, Sewell.

Engineer in the Hydraulics Branch; Floyd E. Sewell (ME-1928) is Chief of the Plant Branch; Wilford H. Worsec (CE-1931) is Chief of Benefit Evaluation Section, Planning and Reports Branch; Robert R. Parsons (CE-1949) is Chief of Operations Branch; Joseph O. Hannauer (ME-1955) Mechanical Engineer in Plant Branch; Paul L. Singer

(CE-1958) is Field Engineer on City of St. Louis Flood Control Project; Stanley Wiseman (Mining Engr.-1953) is Assistant Chief of Inspection Coordination Branch; Percy E. Moore (CE-1930) is Assistant Chief for Operations and Maintenance, Construction - Operations Division; Arthur L. Worsec (CE-1936) is a Hydraulics Engineer in the Hydraulics Branch; Homer W. Krattly (CE-1933) Engineer in the Design Branch; Guy R. Miles, Jr. (CE-1934) Assistant Chief of the Design Branch; Gerald O. Selle (CE-1959) rotational training program; Alfons J. Tiefenbrun (CE-1931) Special Assistant to Planning in the Engineering Division.

Many of the above group now occupy key positions in the organization, and others will progress into key jobs with the future programs of the District. Of special significance are the positions held by three employees of this group. Mr. Pohlmann is Project Engineer on the \$133,000,000 City of St. Louis Flood Protection Project. Mr. Moore is second in command of the Construction Operations Division. This Division is responsible for the construction and operation of all field projects, and maintenance of a navigable channel in the Mississippi River. Four hundred eighteen people are employed in this Division. Mr. Tiefenbrun is a special assistant to the Chief of the Engineering Division, being responsible for planning work re-

(Continued on Page 7)

(Continued on Page 7)

Preregistration Near; Mon. to Fri., Dec. 14-18

Pre-registration for the spring semester will be held during the period December 14 to 18, 1959, inclusive. The following program will be followed:

Seniors and Graduate Students will start preregistration on Dec. 14th.

Juniors will start pre-registration on Dec. 15th.

Sophomores will start pre-registration on Dec. 16th.

Freshmen will start pre-registration as follows:

Students whose last name begin M to Z—Dec. 17th.

Students whose last name begin A to L—Dec. 18th.

Unclassified students will start pre-registration on Dec. 18th. Pre-registration will close on Dec. 18th at 5:00 o'clock p. m.

The classifications listed above are those which the students will have next spring, assuming they pass all of their current schedule.

MISSOURI SCHOOL OF MINES & METALLURGY

THE MISSOURI MINER

VOLUME 46

ROLLA, MO., FRIDAY, DECEMBER 11, 1959

NUMBER 12

Coming Events

Friday, Dec. 11

BEATNIK PARTY
8 p. m., Club Rayl
Story page 9

Saturday, Dec. 12

ROTC BALL—
"49th STATE"
8 p. m., Jackling Gym

QUEEN CANDIDATES
Story page 2

CHUCK TILMAN BAND

Lambda Chi Alpha
9 'til 1 a. m., Chapter House

All Gentlemen Must
Have Dates

Wed., Dec. 16

MSM-ROTC CONCERT
8 p. m., Parker Hall
See story, this page

St. Pat's Church Scene of Intern'l Fellowship Dinner

The annual International Dinner of the Fellowship was held December 5 at St. Patrick's Catholic Church. This affair was very successful, being attended by a total of 130, consisting of faculty members, local residents and students.

Many exotic dishes were presented from the U. S., Iran, Guatemala, Holland, Italy, Switzerland, Portuguese India and India.

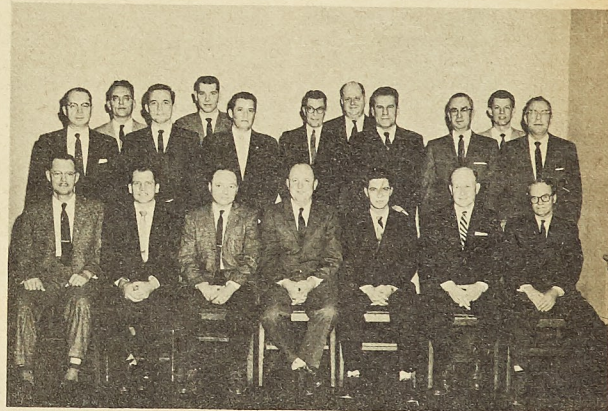
The dinner was followed by an interesting program consisting of speakers, music and costume parade.

The officers of the International Fellowship wish to express their sincere thanks and appreciation to Msgr. Kaiser, Miss Clara Baldwin, Dr. Sutherland, the University Dames and the many guests and students for their sincere cooperation which made this annual program possible.

"Three Jacks" Featured In ROTC Band Concert

Featured on the MSM-ROTC Band Concert on December 16, will be a jazz trumpet trio, "The Three Jacks" by Harold Walters. On first trumpet will be Robert Fiedler—on second, David Floyd—and on third, Robert Huston.

School of Mines. Bob played in high school for four years, and was a member of a trumpet solo trio that took a first in district music competition. Also in small group work, Bob has been a member of a dance band and of a



Left to right: Trumpeters Robert Huston, Robert Fiedler and David Floyd.

These bandmen are all members of the freshman class and are outstanding trumpet players. It follows that we should focus some special attention on their activities—put them in the spotlight, so to speak.

Robert Fiedler is from Okawville, Ill., and is an Electrical Engineering major at the Missouri

choir.

David Floyd, another Illinois trumpeter, hails from Granite City. Dave is an Electrical Engineering major, and has played the cornet for six years. He was first chair in his senior year in high school. Winning many musical honors, Dave has been a member of a brass sextet; has won a first in state solo competition, and was a

(Continued on Page 7)

NOTICE

St. Patrick's BEARD CONTEST

Growing Period
Begins
January 1.

Read more about this in
next week's Miner.

Notice to All Contributors

All articles for the Miner must be in the box in the Rolla Building by 10 a. m. Monday morning. Any article received after this deadline will not be printed.

—The Editor.

Who Will Be The 1959 Military Ball Queen?

Queen To Be Chosen Saturday At Ball Saluting Our 49th State

The Military Ball for this year is drawing close at hand. The music will be furnished by the Veiled Prophet Orchestra, directed by Paul Rossow.

The dress for the ball will be formal. Military students wearing uniforms, juniors and seniors with white shirt and black bow tie; freshmen and sophomores with white shirt and black four-in-

hand tie. Others attending will wear a tuxedo or a dark suit, and a black tie.

The highlight of the evening will be the coronation of the Military Ball Queen, chosen from the candidates submitted from various organizations on campus. Following is a list of the candidates:

(See you Saturday, Dec. 12.)

Pershing Rifles



Miss Doris Ann Laubersheimer

Doris Ann Laubersheimer is Pershing Rifles candidate. She is 18 years old and likes art, dancing and bowling. Doris, who is 5' 7" tall, is from Ferguson, Mo. There she was the mascot of the Army Reserve Unit and has received many art awards. She will be escorted by Bernard Mundy.

years old, standing 5' 4½" tall. Sharon, who is from Johnston City, Ill., is now attending Southern Illinois University as a sophomore. Some of her hobbies are bowling, swimming, dancing and skating. She received a scholarship for her sophomore year in school which requires her to teach for one year. After that she will continue her education at college. Her escort will be Michael Goodman, who is a Mechanical Engineering student.

Altman Hall



Miss Susan Eileen Dodge

Representing M. R. H. A.'s Altman Hall for 1959 Military Ball Queen candidate will be Miss Susan Eileen Dodge, daughter of Mr. and Mrs. Floyd Dodge, of Alton, Mo. The 18 year old, 5' 2" blonde hair, blue eyed Miss Dodge is a freshman at Southeast Missouri State College in Cape Girardeau. Among Susan's favorite sports are fencing and swimming and her favorite hobby is music. Susan held many offices in high school and is particularly talented musically and scholastically. Miss Dodge will be escorted by Kenneth Steinbruegge of Affton, Mo., a junior majoring in Physics.

Phi Kappa Theta



Miss Iola Clara Allen

Phi Kappa Theta's candidate for Queen of the 1959 Military Ball is Miss Iola Clara Allen, daughter of Mr. and Mrs. Charles C. Allen, Sr., of Union, Mo. The 22-year old, 5 ft., brown haired, blue eyed Miss Allen is currently employed as Library Assistant at the Scenic Regional Library. Iola's favorite sports are bowling, swimming and hunting, and her hobbies are sewing and dried flower arrangements. Miss Allen will be escorted by Don Jasper of Washington, Mo., a Mechanical Engineering senior.

SAME



Miss Mary Louise Ridpath

Miss Mary Louise Ridpath will be SAME's representative for 1959 Military Ball Queen candidate. Miss Ridpath is a 21 year old, 5 ft., 10 in., brown hair, brown eyed senior at Southwest Missouri State College in Springfield, and is the daughter of Mr. and Mrs. Charles Ridpath of Pierce City, Mo. Mary Lou's favorite sports are swimming and horseback riding, and her hobbies are fashion modeling and sewing. Miss Ridpath was "Sock Hop Doll" of 1956 at SMS; "Miss Pi Kappa Sigma of U. S. A." in 1958 at Miami Beach, Fla.; "Miss Slick Chick" of Southwest Missouri in 1958; and a "Miss Springfield" finalist in 1959. She will be escorted by Ron Camera, C. E. senior.

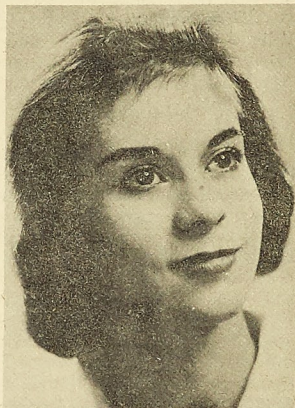
Theta Xi



Miss Elizabeth Ann Gorsuch

Theta Xi fraternity has selected Miss Elizabeth Ann Gorsuch, who is 19 years old and has ash blond hair and blue eyes. Hailing from San Antonio, Tex., she now is attending Lindenwood College. Her extra curricular activities include the Chorallaires, Choir, and Social Service. She enjoys swimming, diving, and tennis when she has spare time. She is also a disc jockey on the college station. Her escort will be Edward Ellicott, a senior in Civil Engineering.

Lambda Chi Alpha



Miss Cynthia Sue Harvey

Cynthia Sue Harvey is Lambda Chi Alpha's nominee. Cynthia is from Chillicothe, Mo. She is 20 years old, stands 5' 1" tall, has brown hair and brown eyes. She is now working as a secretary. Her escort will be Thomas Place.

Kappa Alpha



Miss Judith Ann St. Pierre

Representing Kappa Alpha for 1959 Military Ball Queen candidate is Miss Judith Ann St. Pierre, of Webster Groves, Mo. Miss St. Pierre is an 18 year old, 5' 5", brown hair, brown eyed freshman at Lindenwood College. Judy's favorite sports are hockey, volleyball and softball and her hobbies are sports, music and dancing. Judy was a cheerleader at Webster Groves High School and toured Europe under American Junior Red Cross sponsorship. Miss St. Pierre will be escorted by Clyde Gudermuth, a Mechanical Engineering freshman.

Farrar Hall



Miss Sharon Ruth Springs

Sharon Ruth Springs was nominated by Farrar Hall. She is 18

Delta Sigma Phi



Miss Carolyn Adele Strauss

Carolyn Adele Strauss is from Webster Groves, Mo. She is now employed as a secretary at one of the local firms. Carolyn is 21 years old, 5' 5" tall, has brown hair and blue eyes. Some of her hobbies are dancing and literature. She is also a member of the Alpha Gamma Delta Social Sorority. She plans to wed Fred Huff, who will escort her. She was nominated by Delta Sigma Phi.

Sigma Nu



Miss Judith Rae Medlin

Sigma Nu fraternity is represented by Miss Judith Rae Medlin of West Frankfurt, Ill. A junior at Missouri University, Miss Medlin is 20 years old, with brown hair and brown eyes. She enjoys swimming, water skiing, sewing, and reading. She will be escorted by William Wheeler, a senior in Electrical Engineering.

Pi Kappa Alpha



Miss Judy Kay Schreiner

Beta Sigma Psi



Miss Georgia Anne Willi

Georgia Anne Willi was nominated by the Beta Sigma Psi fraternity. She lives in St. Louis, Mo. She likes to bowl, play table tennis, basketball and volleyball. She is 18 years old, 5' 7" tall, with brown hair and eyes. After two years of college she plans to become a secretary. She will be escorted by Robert Warren Rousin.

Military Ball Queen

Acacia



Miss Mary LaVerne Todd

Miss Mary LaVerne Todd is the representative of the 59'ers Club. Springfield, Missouri, is called home for this 18 year old who has blond hair and blue eyes. At the present she is doing book-keeping work as well as secretarial for Springfield's largest publication and periodical distribution agency. In her spare time she enjoys swimming, water skiing, bowling, ceramics, painting and other phases of art. Her escort will be Curtis Chaffin, a junior in Mechanical Engineering.

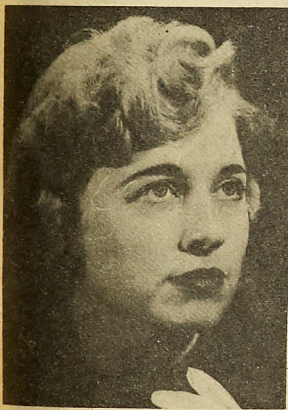
Triangle



Miss Sharon Louise Hartmann

Acacia fraternity is represented by Miss Sharon Louise Hartmann of Affton, Mo. A freshman at Lindenwood, Miss Hartmann is 18 years old, with light brown hair and blue eyes. She is in the Colecon Conference and enjoys tennis, volleyball, dancing and sewing. She also has participated in variety shows and has done some modeling for the St. Louis department stores. She plans for an eventual degree in Home Economics. Her escort will be John Donaldson, a senior in Chemical Engineering.

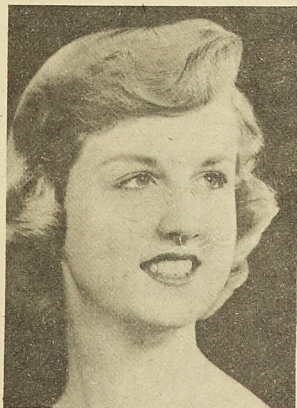
Sigma Tau Gamma



Miss Janet Ann Sirkle

Miss Janet Ann Sirkle is the choice of Triangle fraternity. Hailing from Evansville, Ind., this 20 year old has dark brown hair and green eyes. At the present she is working for Mead Johnson and Company. In high school she held many honors, among which are vice-president of the Student Council, National Honor Society, Football Queen, May and Health Queen, Editor of the Yearbook, vice-president of the Safety Council. Her favorite sports are tennis, bowling, basketball and swimming. She also enjoys reading, sewing and modeling. Her escort will be Oliver Harris, a senior in Petroleum Engineering.

Sigma Phi Epsilon



Miss Linda K. Downey

Linda K. Downey is the candidate for Sigma Tau Gamma. She lives here in Rolla, with her husband, Gary Downey. Linda graduated from Eastern Illinois University, where she was a member of the Sigma Sigma Sigma Social Sorority. At the present time she is teaching the second grade at Rolla Elementary School. She is 21 years old, 5' 2" tall and has blond hair and blue eyes.

59'er Club



Miss Sallie Boyd Smith

Miss Sallie Boyd Smith was the selection of Sigma Phi Epsilon fraternity. Blond hair and blue eyes, this 21 year old proudly calls Kirkwood, Mo., home. At the present she is a senior at Kansas University. Upon graduation she plans to teach in St. Louis. She is a member of the Student National Educational Association, and Kappa Alpha Theta. Her free time is filled with

various activities which include basketball, volley ball, softball, cooking and sewing. Her escort will be Lee Landers, a senior in Mechanical Engineering.

McAnerney Hall



Miss Marilyn Ann Vetter

Marilyn Ann Vetter is sponsored by McAnerney Hall. Marilyn is now attending Northeast State Teachers College. She was initiated into the Delta Zeta Sorority during her freshman year. After school she plans to become a teacher in a Missouri high school. During her high school days Marilyn was chosen Queen of the school yearbook and also was a homecoming attendant. Her escort will be Oral Bass, who is taking Metallurgy here at MSM. She also likes to sew and dance in her spare time. She is 19 years old and has brown hair, blue eyes and is 5' 1 1/2" tall.

Sigma Pi



Miss Carol Ann Kell

Carol Ann Kell was nominated by the Sigma Pi fraternity. She is 17 years old and a senior at Hazlewood High School. At school some of the organizations she belongs to are the National Honor Society and the school yearbook. Carol likes to model and dance in her spare time. Not too long ago she won the "Miss Page 44" contest sponsored by Columbia Records and Sears and Roebuck. She stands 5' 8", with brown hair and eyes. She will be escorted by James Kron.

"Father," said the small boy, "what is a demagogue?"
"A demagogue, my son, is a man who can rock the boat himself and persuade everybody that there's a terrible storm at sea."

"She treated me shamefully."
"Ah! but she treated me worse."
"Impossible! She jilted me."
"Yes, but she married me."

Kappa Sigma



Miss Jill Marie Lamb

Jill Marie Lamb is sponsored by Kappa Sigma. Jill, who is 5' 6" tall, 19 years old, has brown hair and eyes, lives in Springfield Mo. At this time she is attending Southwest Missouri State Teachers College, being a junior. She will be escorted by Jon Nance who is a senior.

BSU Freshmen Take Over Duties

The freshmen will take over the BSU and all of its operations the week before Christmas, Dec. 13-19. Each executive council position will be filled by a freshman during this week. It is hoped that this will acquaint the freshmen with the operations of the BSU. The freshman council members are: President, Dale Howard; vice - president, Carl Broadhurst; devotional, Bill Logan; enlistment, Jack Wendleton; missions, Galen Miller; music, Bill Pafford; publicity, Clifford

Ruppert Wins \$75 In Paper Contest

The St. Louis Section of the American Mining, Metallurgical and Petroleum Engineers has announced that Francis L. Ruppert has won the First Prize of \$75 in the Undergraduate Division of the St. Louis Section Prize Paper Contest.

The paper was entitled "A Preliminary Mathematical Analysis of the Methods Leading to the Effective Scaling of Petroleum Reservoir Models." It has been submitted to the A. I. M. E. headquarters in New York for entrance in the National Prize Paper Contest.

Mr. Ruppert will receive his award at the next section meeting at the York Hotel in St. Louis on December 11. Should his paper win one of the national contest prizes, he will receive that award at the Annual Banquet of the A. I. M. E. in New York.

This paper won first place and received a \$50 award in the annual Steinmesch Essay Contest which is open to any member of the M. S. M. Student Chapter of the A. I. M. E.

Ruppert was graduated from M. S. M. with a B. S. degree in Mining Engineering, Petroleum Option, in June 1959 and is presently a graduate student in Petroleum Engineering.

Kirkpatrick; Christian citizenship, Sidney Hamm; secretary, Janet Kirk; social, Ed Pitts; brotherhood, David Long; Sunday school, Richard Martin; training union, Dean Williams; intramural, Don Strauser; stewardship, James Jensen; historian, Mike Norman.

The freshmen will also take charge for two weeks in February.

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Miners Lose 86-71 As Rebounding Fails

by Tom Dunn

The Miners lost to their traditional rival, Washington University, 86-71, in a thrilling contest held last Tuesday, Dec. 8, at St. Louis. Although the Miners were downed by 15 points there were many things to be happy about. There was the excellent ball playing of the first half, the 20 points scored by Bob Lewis, the fact that Wash. U. beat Springfield by 13 points (75-62), and that we outplayed the exceptionally strong Washington University Bears in all but 7 minutes of the 40-minute contest. In those 7 minutes the Bears were able to, by the fast breaks, make the game a Washington University victory.

High point honors were taken by the Bears' Art Obrock with 24 points and Hal Patton with 23 points. Bob Lewis was high man for the Miners with 20 points while John Sturm netted 7 field goals for 14 points.

The first half started with Lewis scoring 6 straight points for the Miners on 4 free throws and 1 field goal. Then the game became a kaleidoscope of errors as neither team was able to hit the basket. Both teams had ample opportunity, each wasting five shots, before Patton became successful on two successive shots to put the Bears into the lead. Then the Bears went on to take their largest lead of the half as Patton, Obrock, Schaulat combined to keep the Miners behind for the next 12 minutes of the half. Then with only 2 minutes and 25 seconds left in the half, the Miners tied it up 31-31 as Sturm began to hit and Lewis completed his first half efforts of 14 points. Martin, who played about half the first period, got 7 points on 3 field goals and one free throw. The score was not to be tied long as the Bears, with a final 60 seconds burst of speed, ball handling, fast-breaking, and good shooting, were able to gain a 41-35 edge as the first half buzzer sounded. The Miners played superb ball the first half with the exception of the last minute and, were they to maintain that pace for the season they would undoubtedly be one of the tougher teams in the MIAA conference this season.

The second half told an entirely different tale as the Miners were smothered in another burst of speed and point-scoring by the Bears. In the first six minutes of the second half the Bears increased their lead by 10 points as the Miners' rebounding ability fell flat and their defense against the Bears' fast break failed. In those few minutes Patton, Obrock and Berger teamed up to score 6, 6 and 4 points, respectively. This spurge brought the score to 57-41.

During the remainder of the half the team scoring see-sawed back and forth between 11 and 21 points difference as the Miners edged closest with 7:04 left in the game.

Probably the things that most hurt the Miners were the lack of rebounding (12 offensive and defensive rebounds in the second half) and their ineffectiveness against Washington University's fast break which netted them some 16 extra points (the margin of victory).

During the game the Miners held a field goal percentage of 36 the first half and 41 the second half. Their free throw percentage was 61 (Lewis made 8 for 8). In the rebound department John Sturm got 5 the first half and 3 the second half (he fouled out with 6 minutes and 29 seconds remaining in the game). Brenning totaled 5, Lucas 4 and Lewis 4.

This loss, the Miners' first, gives the Miners an overall record of 2-1, Washington U.'s overall record is also 2-1 (their loss was at the hands of Missouri U.).

Tonight (Friday) will find the Miners playing Evangel College from Springfield, Mo., at Jackling Gym. This is the first time the Miners have played them and it will prove to be an interesting game as the Miners will be battling an average height of 6' 5".

Totals FG F FT Pts.
Miners 30 11 23 71
W. U. 34 18 16 86

High Scorers:

Obrock (W) 24
Patton (W) 23
Lewis (M) 20
Sturm (M) 14
Lattig (W) 11
Lemon (M) 9
Lampe (M) 8
Schaulap (W) 8

MSM-Men Down Blackburn

The Miners kept the debit side of their won-lost ledger sheet clean Saturday night by rubbing out the visiting Blackburn Beavers 80-61. It was the Miners' second win in as many games, with the season barely getting under way.

Both squads started off slowly, offensively, as the score read 5-5 after the first five minutes of play. The Miners simply weren't hitting their shots, and the visiting Beavers weren't hitting the ones they were getting as the Miners were displaying the sharpest game of defense seen in many moons under the eaves of Jackling Gym.

The pace quickened slightly as the game progressed, but neither team was burning any net cords. At this point the Miners led 16-11 with 10 minutes left in the half. Later in the half, the Miners spurred ahead 26-15, but their

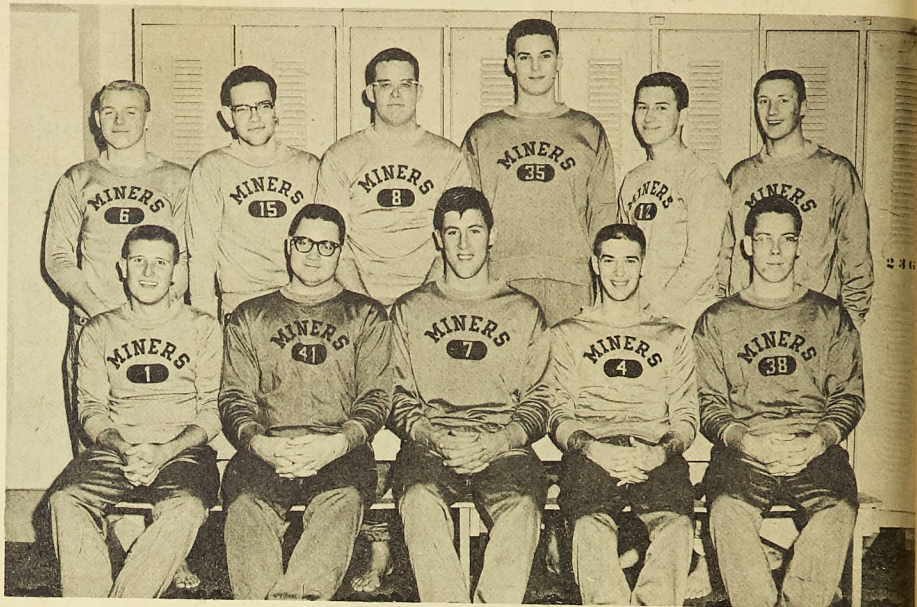
lead was soon cut down by the persistent Beavers. The Miners left the floor at intermission time with a 32-28 lead.

In the second half, the Miners' shooting hands were considerably warmer, with the Miners sporting a 41-29 lead before three minutes of the second half elapsed. Soon after, however, the Miners went into another cold spell but were able to maintain a 10-point bulge over the visitors.

During the final eight minutes, Dewey Allgood's men put on another scoring binge and were still going strong as the final buzzer sounded, in solid possession of a 80-61 victory.

For the Miners it was a hard-won team victory. Bob Lewis, a slashing driver and a fine rebounder, topped the Miner offense with 23 points. John Sturm after a slow start, dented the scorebook with 16 markers.

First Miner Swimming Meet December 12 Western Illinois Meet Opens '60 Season



First Row: 1, Catron; 41, Staley; 7, Broyles; 4, Woodward; 38, Greeley.
Second Row: 6, Scott; 15, Daly; 8, Phillips; 35, Giesher; 12, Bruns; Farnham.
Missing: Cox, Miller.

Blackburn Box Score

Miners—80	FG	FT	F	TP
Lewis	10	3	5	23
Brenning	5	1	3	11
Sturm	6	4	5	16
Martin	3	3	4	9
Lemon	3	1	1	7
Lucas	0	1	3	1
Schaefer	3	1	3	7
Dix	1	0	1	2
Lampe	1	2	1	4
Totals	32	16	26	80

Blackburn—61	FG	FT	F	TP
Kaisner	5	1	4	11
Butler	0	0	1	0
Hughes	0	4	0	4
Sargeant	3	3	2	9
Alepra	6	6	3	18
Craigsmiles	0	3	2	3
Schroeder	0	1	0	1
Bland	1	3	0	5
Cummins	0	2	1	2
Jackman	3	2	1	8
Totals	18	25	17	61

Miner Five to Take On Evangel Tonight

Tonight, Friday, Dec. 11, the Miners play Evangel College of Springfield, Mo. The game will be at 8:00 o'clock in Jackling Gym. Evangel College is one of the four non-conference teams we will play for the first time this year.

Two games will be played next week before the holidays. The first is a home game with Westminster College from Fulton, Mo., next Tuesday, Dec. 15, at 8:00 o'clock. Coach Eugene F. Kimbrell's Presbyterians tied for second place last year in their conference, the Missouri College Athletic Union, with a conference record of 9-3 and 15-5 overall. In last year's game against MSM

the Blue Jays won 84-41, and were led by No. 11, Dale Ochesky, this year's senior captain. The tallest member of their team, a first-year man, is No. 43, Doug Corlander, 6' 6", from Kansas City, Mo.

The other game will be played on Thursday, Dec. 17, as MSM meets Harris Teachers College at St. Louis. The game is at 8:00 o'clock in Hadley Tech Gym at 3509 Bell Ave. Last Last season the Hornets, under Coach Billy Key, won 15 games and lost 7, their best record so far. Our Miners stopped the Harris Teachers seven-game winning streak last year, 73-63.

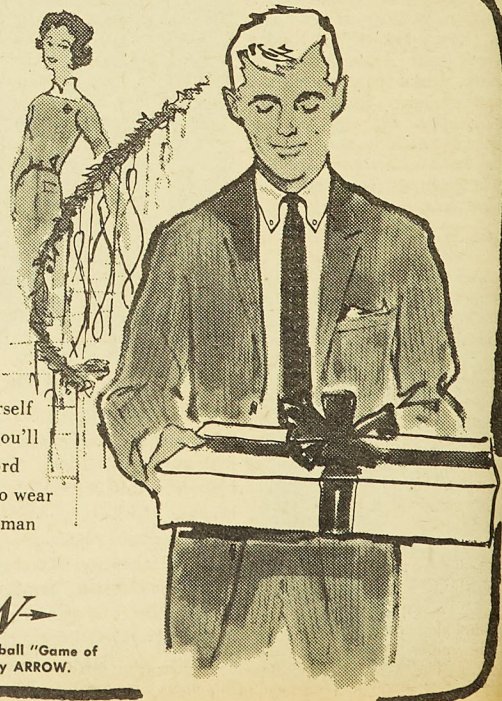
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Campus News

Pikers Warm Up Tuxes for Rocking Party Tomorrow

Thanksgiving vacation found Pikers taking off for far and distant places. The boys in St. Louis all got together that Friday for a going affair. As S.L.S. would say, "It was as cool as—!" Everyone, except the owner, was happy to see so many alumni and old friends there.

Brother Doyné Chartrau had one extra reason to be thankful as he left for home due to his initiation on November 22. Congratulations! Congrats are also ready for Jerry Stone, Ken Schader and Bob Tooke. Shades was initiated into the Blue Key while Jerry was selected as the Man of the Month by the same organization. The M Club added Bob Tooke to its membership as a result of his lettering in football.

This past weekend, the house was almost deserted except for most of the pledges who stayed around for something or other Saturday afternoon. Trips were made to Springfield for foot-stomping music, St. Louis and

Mexico for sex, and one hastily planned trip to William Woods. There seemed to be two reasons for these trips. Everyone felt that they would only be in the way of the crowd working on the chairs and besides something had mysteriously vanished from the ice box during the week. Sunday evening, Reeves cooked his supper of Lamb — "Just the way Ma does it in the swamps."

Well, what with party weekend hours away, spirits are high and so are tuxs. Our lovely party favors are here and it looks as if we should have agreed with Abie when he wanted balloons or baby rattles. Believe it or not both Poof and Pony Poop are having dates! Dick's attempt to look distinguished this date weekend doesn't seem to have a hair's chance.

Rumors are going around that if Shades next item of clothing is a pair of blue suede shoes he'll get lavaliered and that Mother Hen wants bourbon from HER fat man for Christmas.

Acacia Meadow Larks Practice Warbling

Two weeks after Thanksgiving and it is time for another party weekend. Everyone at the Acacia house is eagerly awaiting the Military Ball tomorrow night. The weekend starts this evening with a talented group of gentlemen who are going to pool their talents in an effort to cop the IFC Sing. Under the able direction of Count Von Childress the golden-throated meadowlarks will belt out the Whiffenpoof Song. These men deserve a great deal of credit for the work they have done during the past month and a half.

Our startling stars of the hardwood have been faltering of late. They have been practicing and if they ever jell they could give somebody a run for their money. So in hopes of a victory, let's all back the team in their next two outings.

We would like to take this opportunity to give our belated congratulations to Jim Poarch who was initiated into Tau Beta Pi, and Echol Cook, who was initiated into Theta Tau.

Here is a big Acacian welcome to all of the girls who are here for the Military Ball. By the way, our queen candidate is Miss Sharon Hartman from St. Louis. Best wishes to all of the queen candidates.

This article sponsored by Payola.

SAME Elects Officers For Second Semester

The Student Post of the Society of American Military Engineers elected officers for the Spring Semester at the meeting of Dec-3, 1959. Results of the election are: John H. Dennis, president; Glen Starwalt, vice-president; Gilbert McKean, secretary; Richard Dodson, treasurer; James Poarch, reporter.

To our retiring officers, Ron P. Carver, president; John B. Kinder, vice-president; Al Dunnivant, secretary; Gilbert McKean, treasurer; and John H. Dennis, reporter, the Post extends its congratulation for a job well done.

Phi Kaps Doing Well In Handball League

With only two games left in the league, our basketball team still remains undefeated. Last Tuesday we beat Sig Tau 52-29.

In handball singles, Brother Gunther is playing the finals and Brothers Benz and Burk are in the semi-finals of the doubles competition. Third place is assured with possibilities of taking second overall.

Last Saturday approximately 20 eager, fun-loving Phi Kap actives and pledges journeyed to Cotter College for their winter formal. Although it is not something that many would do very often because of the long drive, etc., most of the fellows agreed that it was quite an experience, and they are still arguing as to who had the severest experience. If it wasn't for the money involved, I believe most of the fellows would just try to forget about it. All kidding aside, a good time was had by all.

Our Christmas dance will begin Friday evening and everyone will be waiting eagerly for the ugliest Santa on campus and his well-rounded little helper.

Mr. Earle Speaks at AIEE-IRE Meeting

A special meeting of AIEE-IRE was held Dec. 2, 1959, in the new EE building.

The guest speaker for the evening, Mr. D. Earle of Westinghouse Electric, presented a very interesting topic on "The Sales Engineer." Mr. Earle illustrated with many of his experiences, that besides being a good salesman, the sales engineer relies upon his engineering training to solve many technical problems so that his products may be adapted to the needs of the customer.

Lambda Chi Forges Ahead Toward Greater Confusion

The necessity for a new reporter has finally been met, and "Super-Hetrodyne Helge" can intensify his campaign to stamp out T-V in Rolla. Good luck Helge!

Excitement bar none! The long awaited elections for a new policy making group finally took place, and now our worthy chapter can forge ahead in the wake of new ideas, fresh view points and greater confusion. To begin their terms in office, the successful candidates pooled their resources and sponsored a post-election literary tea party, which lasted until the wee hours of the morn. Someone said that certain of the chosen ones were so overwhelmed with their newly invested powers, that they

took it upon themselves to bowl a 700 series in the hall. But why use pledges for pins?

For you men that have been holding your respective breaths awaiting our much heralded stereo-set, breathe easy once more. My agent in Endsive informs me that it will be delivered within the week, by December's Playmate of the month no less. What'll we do with all those cycles-per-second?

Be-bobbin' Baluna made it back from Denver, much to our relief. He's the first guy to orbit a Chevrolet transmission, and we're all mighty proud of him. I'll bet Premier K. is green with envy.

The evening was climaxed with the presentation of a generalized machine to Dean Wilson by Mr. H. J. Kongabel of the Westinghouse Educational Foundation. The generalized machine will be used by the EE department in the teaching of the various AC and DC machinery courses.

P. R.'s Initiate At Special Banquet

Tomorrow is the long-awaited day for the Pershing Rifles, Company K-7. It is one of the highlights of the year. The PR's will initiate fifty-two new men into the organization tomorrow evening at the military building at 6 p. m. After the initiation the men will get their dates and go to the cafeteria for a banquet, where Dr. Schlechten will be the guest speaker. At the banquet our new honorary company com-

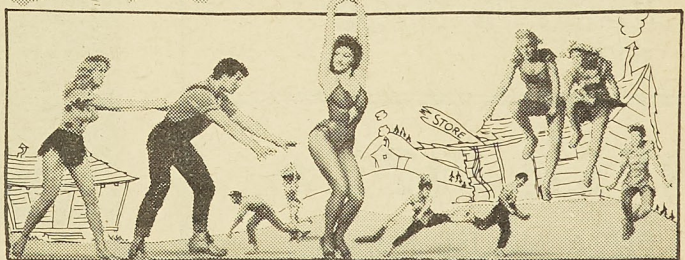
mander and queen candidate for the military ball, Miss Doris Ann Laubersheimer, of St. Louis, Mo., will be introduced. Following the banquet everyone will go to the gym for the military ball. This year, as in the past, the PR's have done the work of decorating the gym. We would like to thank Mrs. McGinnis for the help she gave us last Saturday. Most of the construction and painting of the decorations was done last week, and it will all be put up tonight. This will be one of the best balls ever, so everyone be there and have a good time.

Did you hear about the Scotchman who stood and snapped his fingers on the Fourth of July?

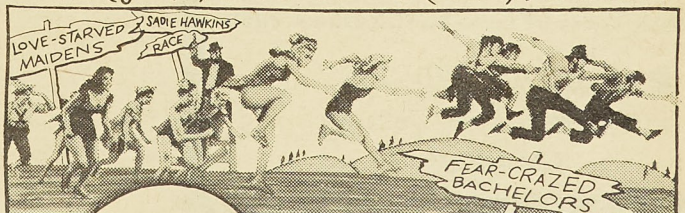
Another, who may be said to have his ups and downs is the unfortunate chap who happens to get an aisle seat at a movie.

Ok.
Happy
day!

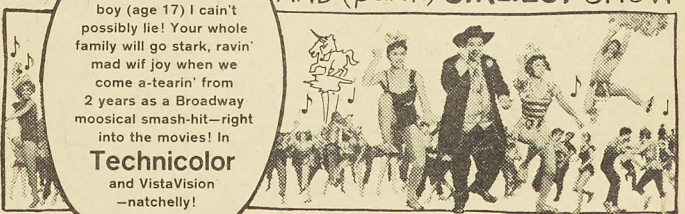
Lil' ABNER COMES ALIVE



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TKE Pledges Recuperate From Ole Help Week

I think most of the pledges have recuperated from the effects of that lovely period known as Help Week. One of the boys is waking up now, I think I'll ask him a few questions and get a first hand story of Magic Week.

Joe Shaybaum: "Good morning Lushwell J. Lushwell, how do you feel?"

Lush: "5*.;:73)\$-&æœœ*"

Joe: "That's nice, and what did you think of Magic Week?"

Lush: "5\$5*!;|&*&*&\$1..)"

Joe: "What did you enjoy most of all?"

Lush: "Lounging around during meals was nice."

Joe: "I hear some of the fellows got awards last week."

Lush: "Yes, Smith and Lotts received the Pathfinder Prize for navigation."

Joe: "What did you think of your banquet?"

Lush: "Barf".

Joe: "How come you're not sitting down? Is something bothering you?"

Lush: "Ha!"

Joe: "Well if you don't close your eyes soon you'll bleed to death so I'll leave you alone."

So that is the story of Help Week, or sometimes called Magic Week because its magic how anyone can make so many joyous experiences and put them all in one week.

As is customary when the week end rolls around, some of the Tekes left for a visit to the land of the Opposite Sex. Cottey College was again blessed by the presence of the great lovers. I think its really great of these fellows to go down there and help those poor girls with their studies all of the time. The lectures might be boring, but I hear the labs are tremendous. Such experiments as "Characteristic Curves as Derived From Feminine Qualities," Temperature Rise Coefficient of Hand Holding, and Charge Due To Contact Potential are purely in the interest of science. Who knows these boys may get the Norval Peace Prize.

Party Spirit Comes Early for Sig Taus

We would like to officially welcome our mascot pledge "Broxto Bruno Baby," soon to be known as the terror of the campus. This handsome pledge is a fourteen months old English Bulldog. Welcome "Bruno", and please leave this — socks of Jackson, alone.

It seems as if the party spirit arrived a little early here at Sig Tau Manor with a few early birds getting the bug last weekend. The party boys had a dry?? run. They said they were cramming for the finals, which take place this weekend. Everyone is anticipating a great party weekend.

Charlie and Dave made that familiar voyage to Columbia last weekend in hopes of finding Saint Nick there. On the way Santa got lost but Charlie and Dave found his reindeer in the jungle."

We hope that Al's trip to the home front was rewarding. Those apron strings are getting tighter by the day as graduation nears. By the way, how is Jane, Al?

Triangle Takes Trip to The "Sportsman's Club"

Well this was another dull week around the house so some of the boys decided to liven things up a bit and take a trip in to "Sportsman's Club." The delegation was led by none other than Red Keeley, Waco Derx and Bo Meskan. Red couldn't explain the lipstick on his coat collar but we have a good idea where it came from. Derx couldn't explain why every body on the highway was running around carrying flares, he thought it was a place to speed up so that's what he did. Later we out that there was a slight accident there. Finally its happened, in two more months we are going to be rid of the split pea soup. It's

getting transferred out to Fort Leonard Wood along with Pfc. Kane. I imagine he will change the entire menu of the Fort by Easter so they can have pork steaks for the main meal.

Next week is party weekend again and maybe we'll have some news for you then, I hope so.

In the meantime I hope everyone on campus is backing Ollie Harris in our campaign for the "greatest guy, ever." We finally got the military department on our side and they put our campaign slogan on the posters for the military ball. Really now, don't you think Ollie is the greatest guy?

Brother Bill King sojourned to Lawrence, Kansas last weekend for the Mid-West A.P.O. Conference. We hear that the female situation at K.U. is just a little bit better than here.

Congratulations to Brothers Bill

Zorumski and Pat Knoll for being initiated into Theta Tau last Sunday evening.

Man is but a worm. He comes along, wiggles a bit, then some chicken gets him.

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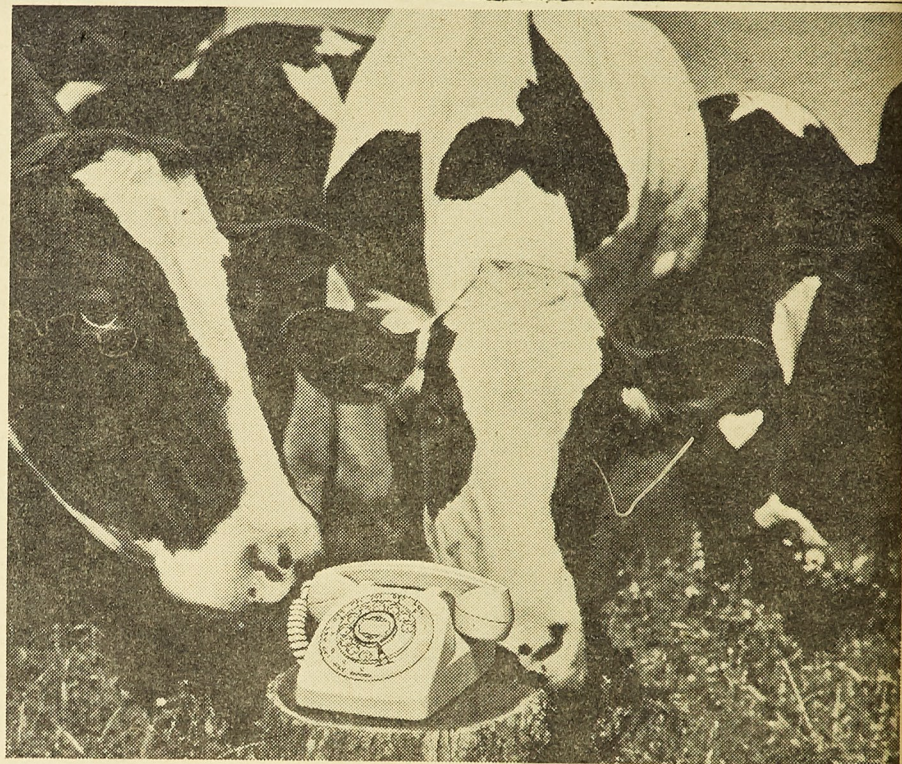
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Many FAB Paddles Broken Over Sig Ep's Pledges

Oh, my aching back, comes the cry from a few weary pledges; it's not their backs that are ailing, but a slightly lower region, nearer the pelvic area—you know the censors wouldn't allow a true description of what hurts, but that's life, pledges. Yes, many FAB paddles were broken during the week, but all managed to survive the ordeal, even the active whose red hands (gripping the paddle too tightly) and sore arm muscles managed to last. It was noted by this reporter that a few of the rare sadist actives were seen using gloves, thus assuring a better grip on the FAB paddles and also substituting greater accuracy in their endeavor.

After all the fun Ha! Ha! had nearly ended some of the boys felt in kind of a rebellious mood. Although, it must be said, some pledges have more tact than others. "Active, Sir, would you like to go for a ride tonight?" Darn

fools, naturally not. But, then again the others were at work, right, Brother Swank? By the way, Jerry, where are you calling from? Cuba, Mo.. After this situation was rectified, pledge R. C. Hadyen graciously consented to exchange places. All were happy, actives included, poor R. C. was mad, however, because he forgot to bring along his geetar to keep him company.

Saturday night even the more tactful pledges became violent, "Active Sir, you are going for a ride tonight." "No, I'm not," replied Ferd Achepohl, then all conniption broke loose in the house, although being squelched shortly. After the tussle ended, some more energetic fellows went to bed, others enjoyed how the other half of the world lives through the medium of television, namely "Playboy Penthouse." Bring on the girls.

sion will be dropped from the course as soon as prerequisites are checked.

The student should take care of this at the time of pre-registering and save trouble and inconvenience for himself and others. If the student fails a prerequisite course at the end of the semester, he should adjust his schedule at the time of final registration.

Repeat Courses

If a veteran student registers for a repeat course in order to raise his grade, this course will not count in the required 14 hours for PL 550 veterans in order to obtain full subsistence, unless such repetition is required by the Scholarship Committee, in which case repeat courses will count.

On Probation

A student on probation will be limited to 16 hours. A student on probation at pre-registration may assume he will clear probation during this semester, but if he does not, his schedule will be adjusted to 16 hours before final registration on Feb. 1, 1960.

The Pledges of Sig Pi Gladly Begin Help Week

Well, Thanksgiving is over and the pledges are all happy to hear that help week has begun. Congratulations to Brother Jacobs-meyer who quit the bachelor's club over the Thanksgiving holidays and to his wife, and congratulations to Brother Flanigan, who became the father of a baby boy. Congratulations are also due to Brothers Skow and Gol-hoffer for the initiation into the "M" club.

The basketball team looked very impressive with two early

wins, but were badly defeated last week. Let's hope the morale was not hurt and we can bounce back and win the remaining games. We all hope the bowling team can snap out of its slump and show its winning form of last year again.

New house officers are: Sal Fasone, 1st counselor and Harvey Dewing, herald.

It's happened. Bob Watson finally was defeated and lost his R. A. trophy. Believe it or not, but Bob says wait 'till next week.

ed as such.

Addresses

Students are requested not to write their addresses on the Schedule Card until the date they pay

(Continued on Page 9)

MSM Grads

(Continued from Page 1)

lated to all projects authorized for investigation and study prior to actual construction. The Engineering Division has a staff of 184 employees.

Lt. Colonel E. L. Perry, who recently completed a tour of duty as Executive Officer in the St. Louis District, from June 1957 to January 1959, was also a graduate of the School of Mines.

Each year a number of MSM graduates are employed and placed in a comprehensive training program prior to their permanent assignment. During their training period they are rotated among the major engineering and construction activities, where they have the opportunity to gain a wide and comprehensive experience in all phases of engineering works.

Each summer a number of undergraduates are employed and are assigned to various activities such as soils testing, hydraulics, structural design, surveys inspection of construction, studies, estimates, etc. The District cooperates with the School in providing opportunities for students to participate in part-time academic and work programs.

Representatives of the Corps of Engineers from St. Louis visit the campus twice each year.

The St. Louis District also supports the ROTC Program by providing speakers, arranging visits of ROTC students to field construction projects, etc.

Three Jacks

(Continued from Page 1)

member of a trio that was featured on a tour of New Orleans last year.

Robert Huston comes from Windsor, Mo., and is also an Electrical Engineering major. Along musical lines, Bob has competed in state solo competition for three years. He has been a member of a brass sextet for three years, and a trumpet trio for two. Bob was a member of his high school band for four years, and has attained a high degree of success in both solo and ensemble work.

"The Three Jacks" will be conducted by Cadet Lieutenant Edward L. Ellicott who has devoted considerable time to assist the trio in perfecting this musical selection. The MSM-ROTC Band Concert will contain a variety of

other "Pop" tunes and marches and will be presented at 8:00 p. m. in Parker Hall Auditorium.

Pre-registration

(Continued from Page 1)

Ceramic Engineers, Dr. Planje, 104 Fulton Hall.

Science Chemistry Majors, Dr. Thompson, 101 Chem. Engr. Bldg.

Science, Geol. Majors, Dr. Proctor, 208 Norwood Hall.

Unclassified Students, Prof. Lloyd, 101 Rolla Bldg.

Freshmen

Students, except those in Chemical Engineering, taking essentially a Freshman schedule will pre-register through the Registrar's Office, and not through the advisors listed. Freshman students in Chemical Engineering will find their pre-registration cards with Dr. Thompson in the Chemical Engineering Department, Room 101, Chemical Engineering Hall.

Freshmen will be given a basic second semester freshman schedule with Slide Rule added. As a rule this will be a full program for most students. Those wishing to add to this may call at the Registrar's Office after the Holidays and discuss the proposed addition.

General Instructions

Pre-registration 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.

Students must bring their completed schedules from their advisors to Sectioning Clerks in Parker Hall to check for closed sections. The pre-registration will be the student's official schedule unless he fails or drops some subject after pre-registration, in which case his schedule will be adjusted by his advisors before Registration on Feb. 1, 1960. Such students should carefully check their schedule on registration day.

Prerequisites

In pre-registering check prerequisites as shown in the Schedule of Classes. A student who does not have prerequisites and still wants to take a course must secure permission from his advisor and from the Chairman of the Department teaching the course. Necessary forms for this request may be secured in the Registrar's Office. Those who pre-register without this permis-



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THE MISSOURI MINER

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Editor-in-Chief..... Jim Walther
707 State St. — EM 4-2731
Business Manager..... Mike Swoboda
500 W. 8th St. — EM 4-3787
Managing Editor..... Terry K. Smith
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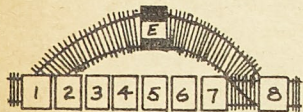
ROTC Band Concert To Be Fine Entertainment

MATH GEMS

NOTE: At the request of several people, the special problem originally printed in the Nov. 6 issue will be reprinted. As we stated then: this problem can be solved and since you will have to prove to yourself that you have the correct answer, we will not print it and ruin the problem for others.

SPECIAL PROBLEM: You are given twelve (12) golf balls and a simple two-pan balance. You know that one and only one of the golf balls is either heavy or light, but you do not know which. In only three weighings, determine which ball is different and whether it is light or heavy. There are no tricks used in solving this problem.

Problem 21: The following diagram represents a section of a railroad track with a siding. Eight cars are standing on the main track in the order: 1, 2, 3, 4, 5, 6, 7, 8, and an engine is standing on the side track. The siding will hold five cars, or four cars and the engine. The main line will hold only the eight cars and the engine. Also when all the cars and the engine are on the main line, only the one occupying the place of 8 can be moved on to the siding. With 8 at the extremity, as shown, there is just room to pass 7 on the siding.



You are required to reverse the order of the cars on the mainline so that they will be numbered: 8, 7, 6, 5, 4, 3, 2, 1; and to do this by means which will involve as few moves as possible.

Problem 22: You are given ten stacks of ten silver dollars each. One stack is known to contain all counterfeit coins. If a genuine silver dollar weighs 50 grams and a counterfeit coin weighs one gram more, what is the least number of weighings necessary to determine which stack is counterfeit? You have only a pointer scale and the solution must be fool-proof.

Answers to Last Week's Problems
Problem 19: Area not in four

Attention all Miners! If you want to hear all the latest in concert sounds—this is it. I speak of the MSM-ROTC Band Concert next Wednesday night, Dec. 16. Captain Leighty and his instrumentalists will be set up in Parker Hall Auditorium at 8:00 p. m. sharp. You'll not only hear all the best in stirring marches, but also the greatest in "Pop" tunes, as well as the modern strains of a jazz trumpet trio. For those of you who like to participate, as well as listen, there will be a session for you to join in singing some of the holiday favorites. All this is designed to give you an evening of entertainment that will send you into pure ecstasy.

List to this great lineup: "Tamerlane," a contemporary composition with all the exotic flavor of the mysterious Orient—"Swing Bolero," a bouncy Latin number with a swing beat—"Hurricane," the wild fury of the dreaded tropical storm—"The Three Jacks," a trumpet trio with a cool modern jazz theme—"Standard Pop Favorites," a combination of three all-time greats with some of the swiftest sounds you have ever heard.

In the realm of marches, you will hear: the electrifying brilliance of "Heat Lightning"—the rousing tempo of the "AABB" March and "Kappa Kappa Psi" March, all climaxed by the terrific moving beat of "Centennial" March.

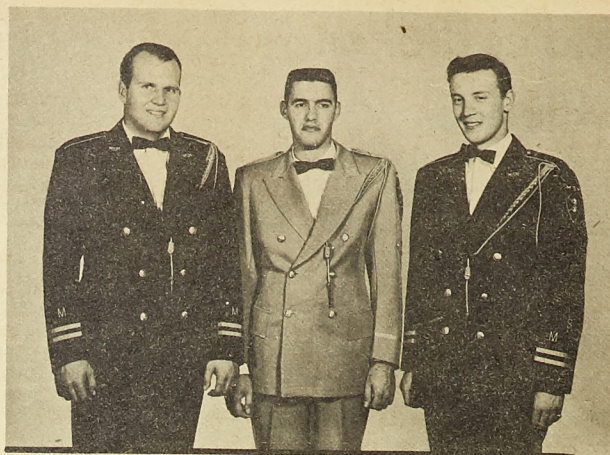
Again on the "Pop" side will be selections from "South Pacific" with all the favorite tunes of the famous Broadway musical; and "Parisian Street Dance," portraying the zany antics of the French "Can-Can."

So drop your books, and come out for the evening. You can drown your math worries in an ocean of relaxing music. Don't forget—that's 8:00 p. m. Parker Hall Auditorium, Wednesday, Dec. 16—See you there?

"That girl over there shows distinction in her clothes."
"You mean distinctly, don't you?"

circles is 9054.13 square feet and circumference of small circles is 213.33 rods.

Problem 20: Both wheels will make 4.1231 revolutions.



Student directors for the MSM-ROTC Band Concert, December 16, at 8:00 p. m. in Parker Hall Auditorium are: Cadet Captain Mil-lard K. Underwood, Master Bandsman F. William Lynch, and Cadet Lieutenant Edward L. Ellicott.

Underwood, senior student director, will conduct "Selections from South Pacific" and "Parisian Street Dance." Ellicott, trumpeter, will conduct the band and the trumpet trio in "The Three Jacks." Lynch, trombonist, will direct the band in the "Kappa Kappa Psi March." All three are seniors at the Missouri School of Mines and have participated in band during the past four years. Attend the concert and see these Miners in action musically.

The Future Belongs
to Those who
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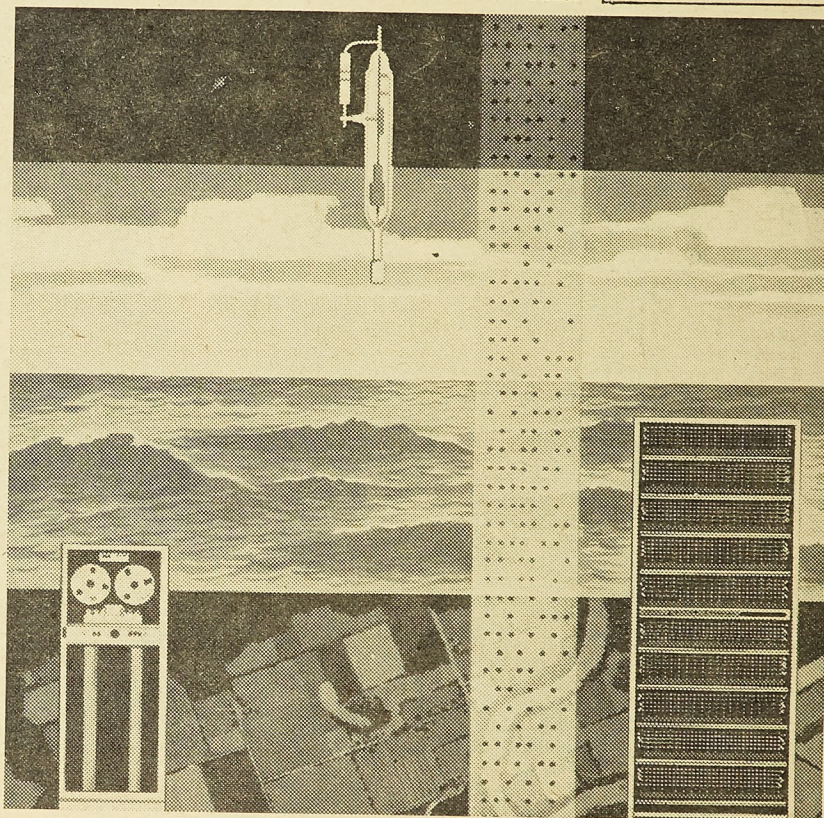


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Pre-registration

(Continued from Page 7)

their fees and finish registration.

Early Payment of Fees

Students who desire to pay fees early may do so providing they are not on scholastic probation and had no "D" or "F" grades reported at mid-semester. Dates for early registration will be Jan. 6 through Jan. 15. Papers may be obtained in the Registrar's Office.

The Incidental Fee has been increased from \$85 to \$100 and the Student Union Fee from \$5 to \$7.50 for students carrying ten or more hours. Rates per credit hour are \$10 and .75c per hour, respectively, for partial enrollments.

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Thursday, Friday and Saturday, Dec. 10-12

'The Hound Dog Man'

Fabian and Carol Lynley

Sunday, Monday, Tuesday and Wednesday, Dec. 13-16

Sunday Continuous from 1 p. m.

'They Came

To Cordura'

Gary Cooper and Rita Hayworth

RITZ THEATRE

MOVIES ON WIDE SCREEN

Friday and Saturday, Dec. 11-12

Saturday continuous from 1 p. m.

'The Desperate Hours'

Humphrey Bogart and Arthur Kennedy

— PLUS —

'The Hangman'

Robert Taylor and Fess Parker

Sunday, Monday and Tuesday, Dec. 13-15

Sunday Continuous from 1 p. m.

HELD OVER BY POPULAR DEMAND

'The Hound Dog Man'

Fabian and Carol Lynley

Wednesday-Thursday, Dec. 16-17

Adm. 15c and 35c

'The World, Flesh

And the Devil'

Harry Belafonte, Inger Stevens

— PLUS —

'The Crimson Kimono'

Victoria Shaw and Glenn Corbett

PIZZA

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"It Pays to Look Well"

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MRHA Projects

The two big MRHA projects, the Beatnik dance and station KAPUT have picked up a lot of momentum. The Beatnik Dance is tonight at 8:00 at Club Rayl and some tickets are still available for \$2.25 a couple. Ducats may be picked up at 357 Altman Hall. The atmosphere of this blast, alone, will be worth the tickets.

Another MRHA first, Kaput, should began full scale operations to all the dorms right after Christmas. Chief Engineer Gerald Brown, deserves a lot of credit for the hard work he's doing.

Be sure you and your date attend the EE exhibit tomorrow afternoon. Complete details on this affair are published elsewhere in this issue.

Last issue we promised the identities of the other officers doing great jobs, they are: Ron Ragline, Secretary-Treasurer; Don Durnil, Social Director; Howard Castleman, Athletic Director.

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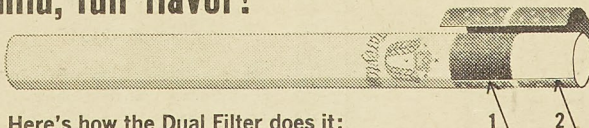
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EVERY DAY
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EM 4-2030

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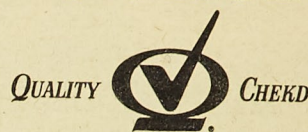
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