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The Missouri Miner, March 27, 1940

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THE MISSOURI MINER

Missouri School of  Mines & Metallurgy

VOL. 26-

ROLLA, MISSOURI, WEDNESDAY, MARCH 27, 1940

NUMBER 25

Students Should Be Counted in Census at Home

Uncle Sam is asking college students to write home during March and request something besides the traditional check.

He wants the young men and women who are living temporarily at school to remind their parents: "Count me in when the Census-taker comes to the 'family mansion' in April."

It has been Uncle Sam's experience in 150 years of Census-taking that while absence may make the heart grow fonder, it also tends to make the mind forgetful. Census Bureau officials have good reason to believe that the accuracy of the count of students who happen to be away from home at the time of the Census can be improved.

College students, temporarily away from home to attend school, should be counted as members of the households in which they usually reside. Students who have no permanent residence other than the places in which they are living while attending school of college, however, should be enumerated there. Such students should call or write to the District Supervisor for the Census if they are not enumerated.

Help of Students Asked

Feeling that college students, like every other section of the population, will benefit from a reliable national inventory, the U. S. Bureau of the Census is asking them to do their part in making the 1940 Census a success. The Bureau needs their help in the gigantic task of assembling facts about 132 million Americans in two ways. First, by making sure that their parents will report on them to the Census enumerator, and second, by supplying their parents with certain information they will need in order to report on them accurately. The latter precaution is advisable even for students living at home, since they may be at class when the enumerator arrives.

Offhand, it might be thought that parents would know everything about the student which would be called for in the Census. The questions which are being asked in 1940, however, are somewhat more complex than those of previous years, reflecting the need for facts bearing on the many problems which have arisen in the United States during the eventful decade just closing.

Do Your Parents Know

The queries on which parents are most likely to be uncertain are those relating to employment status. Information is wanted on the following points:

Number of weeks the student worked in 1939 (equivalent full-time weeks).

Number of hours he worked during the week of March 24-30, 1940.

Present, or if seeking work, last occupation (exact nature of duties performed).

Present or last industry (kind of

See CENSUS, Page 8

335 Mark Passed In Blood Test Drive

Three hundred and thirty-five students have taken advantage of the free Wasserman testing campaign sponsored by the MISSOURI MINER and the school hospital during the past four weeks. According to the reports received from the State Board of Health laboratories at Jefferson City, who are testing the blood samples taken here, all of the samples have shown negative results.

Those students who have not yet had their blood samples taken are urged to call at the hospital as soon as possible. Tests are taken during Dr. Feind's hours at the hospital, 8 to 9 every morning and 5 to 6 every evening except Saturday and Sunday.

R O T C Inspection Here April 16-17

The annual inspection of the Missouri School of Mines R. O. T. C. unit will be conducted on Tuesday and Wednesday, April 16 and 17.

Colonel Raymond W. Briggs, the R. O. T. C. Officer at Corps Area Headquarters will be here on April 17 to conduct the administrative inspection. Major Harry A. Sherry, Corps of Engineers, Assistant Professor of Military Science and Tactics in charge of the Engineer R. O. T. C. Unit at Iowa State College, Ames, Ia., will conduct the training inspection.

Due to the fact that the annual inspection is to be earlier than usual, the schedule of work for military classes has been changed to give the cadets more instruction in drill and command prior to inspection.

The School of Mines R. O. T. C. Unit now has the rating of Excellent.

Major Lewis C. Gordon, Professor of Military Science and Tactics at the School of Mines, is to go to the University of Nebraska on May 8, 9, and 10, to conduct the training inspection of the Engineer R. O. T. C. Unit there.

Senior Employment On the Increase

Several more Seniors have recently been employed. Kenneth Bly, Vernon Rieke, and Ruble Burns have accepted positions with the Aluminum Company of America. Bly will be stationed at Detroit, Burns at Alcoa, Tennessee, and Rieke at New Kensington, Pennsylvania. The Tucker twins, Armin and Norman, have taken the physical examinations and have been accepted into the Aviation training program of the United States Army. They went to Scott Field in Illinois for the examinations.

John Werner, who graduated in January, 1940, has been employed by the Surface Combustion Corporation of Toledo, Ohio. Seb Hertling has accepted a job on graduation with the Braznell Ink

Faculty to Be Rated By Students

Ballot for Personnel Rating Contained on Page 5

A personnel rating of the faculty of MSM was made two years ago by the Student Council in cooperation with the MISSOURI MINER. The results of this survey were deemed satisfactory and were tabulated and distributed to the faculty and boarding houses. Since this rating was taken many members have been added and others dropped so by popular demand the MISSOURI MINER will run a ballot form and collect, tabulate and distribute the necessary data.

As may be noted, the ballot conforms identically to the personnel rating tabulated on each student and available to all who wish to see them at the Registrar's Office.

It is the stated aim of the poll that all students make a sincere effort to express their true rating of the faculty members under whom they have been instructed. Its purpose is very similar to that accorded the student personnel reports; viz, allow an instructor to get a valuable expression of his effectiveness with his students and thus enable him to use these results as a sort of inventory.

It is recognized that the poll will be only as valuable as the students are sincere in their vote. For this reason students are asked to exercise due care that they mark their instructor fairly on all points.

Each ballot must be signed and the curriculum and class year of the voter indicated. The name will be detached and destroyed immediately upon checking with the roll in the Registrar's office.

The ballots may be placed in the locked box in the lobby of Parker Hall between Wednesday, March 27 and Saturday, March 30. The results will be compiled and mimeographed for faculty and student inspection.

Company of St. Louis, Missouri. Hubert Hayden has been employed by the Production Department of the Phillips Petroleum Company.

Four seniors recently went to Oklahoma to be interviewed by several companies. They were Harley Ladd, F. M. Stewart, Woody Burgess, and Bill Dickman.

Randall H. Wightman '27, has been advanced from mine engineer to mine superintendent for the Riverside Cement Co., Riverside, California.

Farnsworth First In Photo Contest

The Photography Club of the Missouri School of Mines held its Third Annual Salon competition from March 4 to 11. The exhibits were displayed in the Lloyd Shop and the judges of the Salon were Mr. Hubbard, Prof. Black and Gil Campbell.

The competition was won by Joe Farnsworth, president of the club, with his picture, "Sunset." Second place went to Art Brune for his picture, "Winter" and Farnsworth came back to take third place with the picture called "Matchlight." The three winning photographs are now on exhibit in Norwood Hall.

The club has made keys to the darkroom available to all of the members. It also plans to have several guest speakers here in the near future.

Rev. Munyon to Address Forum

Rev. Munyon of the Rolla Christian Church will be the speaker at the next religious forum meeting which will be held next Sunday, March 31. His subject is tentative as yet but he will talk to some extent on the development of the monotheistic, or single God idea. He will trace evolution of religion through the stages of animism, polytheism, henotheism, and monotheism, and give a few of the differences and interrelations between the concepts of pluralism, dualism, trinitarianism, and unitarianism.

During an interview Rev. Munyon was asked what bearing the study of the development of religion had on personal religious experiences. He said that an essential factor in understanding our beliefs is a knowledge of how they were developed, and that a broader, more comprehensive view on religion may be gleaned if one can understand the source of his convictions. Also, he said, strife and contradictions between religious denominations are largely due to misunderstanding, and a knowledge of how the other person arrived at his conclusions goes a great way in promoting fellowship.

Rev. Munyon was Chaplain and athletic director in the state prison for seven years before he came to Rolla. While ministering there he built the only baptistry in the United States which exists behind prison walls. He also introduced baseball and football there and when he left, there were six fully equipped baseball teams and a football squad which was capable of competing with any first line college team.

After Rev. Munyon's talk on March 31, the next forum speakers scheduled are a Christian Science representative for April 7, Homer Allen, past-president of the state Christian Endeavor for April 14 and D. G. Nicholson from St. Louis, who is president of the Gideon, for April 21.

8 Foreign Lands, 34 States Are Represented Here

Probably the second most asked question when two people meet is "Where are you from?" So this week the MINER, set out to answer the question. We snooped and snooped and here is what we found.

Listed in the records of M. S. M. are students from seventy-seven of Missouri's one hundred and fourteen counties, thirty four states, and eight foreign countries. Missouri of course leads the list in the number of students with 641 while Illinois takes second place with 86. Then, quite surprisingly, New York pulls down third place with 48, and right after it with 34 comes New Jersey. In sixth place is Massachusetts with 13, and following with 9 is Wisconsin. Next in their respective order comes Arkansas, California, Colorado, Connecticut, District of Columbia, Florida, Georgia, Idaho, Iowa, Indiana, Kansas, Kentucky, Maryland, Michigan, Minnesota, Mississippi, Montana, Nevada, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, Vermont, Wyoming, West Virginia, and Utah.

From the foreign countries are four students from the Philippine Islands, two from Peru, two from Canada, two from China, one from Turkey, one from British West Indies, one from Mexico, and two from England.

The total on all the students is 895 which is a 10 per cent increase over last year.

Dr. D. C. Jackling To Receive Award

On April 15 Daniel C. Jackling will receive the Washington Award at a meeting of the Chicago Section of the American Institute of Mining and Metallurgical Engineers. The Washington Award was founded in 1916 by John Watson Alford "In Recognition of Devoted, Unselfish and Pre-eminent Service in Advancing Human Progress". It is Sponsored by the Western Society of Engineers and the our Founder Societies.

Mr. Jackling graduated from MSM in 1892 with a B. S. in Metallurgical Engineering. He received a degree of Metallurgical Engineering from MSM in 1903 and a Doctor of Engineering in 1933, also from MSM.

Mr. Jackling has also won the Mining and Metallurgical Society's Gold Medal for distinguished service in 1926, the William Lawrence Saunders Gold Medal in 1930 given by the AIMME, and the John Fritz Gold Medal in 1933.

Jacob C. Stroup, ex'14, mill superintendent at the Santa Rosa Mines, Jose Panganiban, Camerines Norte, P. I., has returned to the States and may be reached in care of F. O. Williamson, 911 Hobart Bldg., San Francisco.

What! When! Where!

Wednesday, March 27

Student Council	7:00 p. m.	Club Room
Ceramics Society	7:30 p. m.	Bureau of Mines
A. S. M. E. Meeting	7:30 p. m.	Mechanical Hall
Tau Beta Pi	7:45 p. m.	Club Room

Thursday, March 28

"M" Club Meeting	7:00 p. m.	Club Room
Alpha Psi Omega	7:30 p. m.	Club Room
Miner Board	7:30 p. m.	104 Norwood

Friday, March 29

Mass Meeting	11:00 p. m.	Auditorium
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Changes Adopted in Book of Rules

Following the recommendation of the Committee on Curricula, the faculty on March 5 adopted changes in the Book of Rules.

In the past a student whose grade point average was between 0.45 and 0.60 at the end of his third semester was placed on Scholastic Probation for his next semester in school. By the present ruling, a student whose grade point average on work done in this school is below 0.45 at the end of his third semester, or below 0.60 at the end of his fourth or an subsequent semester, shall be dropped from school.

It has been ruled that in order to receive a Bachelor's degree a student must have an average of 0.75 grade points per credit hour on the total of all his college

credits, and the same average on all work done in this institution. It was formerly not required that a student have an average of 0.75 on work done in this school.

Also, the Committee on Freshman Activities has ruled that:

A freshman who is repeating a course which he has failed shall be dropped from that course if his grade therein (as reported to the Registrar) is below "I" at the end of the first month of the semester or below "M" at mid-semester, unless he received permission from the Committee on Freshman Activities to continue in the course. Each student affected by this rule shall be notified by the Registrar that he will be dropped on a certain date unless he receives such permission prior to that date. The date shall be set to allow one week for the student to present his case to the Committee and for the Committee to act thereon.

THE MISSOURI MINER



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From the DIRECTOR'S OFFICE

by
DR. W. R. CHEDSEY

I am naturally very much gratified at the student initiative in the blood-testing program. I think that those who conceived the idea and also those who have participated by having their samples taken already reserve considerable credit. It is unquestionably a progressive and worthwhile contribution towards bettering public health conditions in general as well as of considerable value to each man concerned. Somewhat over three hundred students have had their blood samples taken already and there is still time for some more, but the program should not be dragged out unduly, so I hope that all those who are interested in this will make arrangements to go to the hospital at an early date and take advantage of this free opportunity for a most worthwhile test.

I am also deeply appreciative of the approved program and conduct at St. Pat's time and want to congratulate not only those students who planned the program, but also all who took part in it. I hope that we can continue to make satisfactory progress in this line. I am quite sure that all concerned had just as good a time, if not a better time, than in times past.

We are again approaching the time of the year when the grass is beginning to try and come up, therefore I am going to request cooperation of all in using the walks rather than in using paths across the lawn. It is difficult enough to grow grass under the conditions of soil existing here in Rolla if we keep off of it, but it is almost impossible to grow it where there is any definite traffic across it. We are planning some additions to our walks which should help in putting them where they are most needed, but of course it is impossible to put walks down every place that anybody might actually want to go and, consequently, a little thoughtfulness in keeping on the walks that are now provided and, after the new ones are provided in keeping on them, will give our grass a much needed chance.

Wm. R. Chedsey.

Prof. Jackson to Get Flight Course

A flight training "scholarship" was recently presented by the Civil Aeronautics Authority to Professor R. O. Jackson, head of the Mechanical Department, and director of the C. A. A. training program here. The award provides for eight hours of dual flight instruction, sufficient to meet requirements for solo flight. Similar awards are being made to directors of C. A. A. flight training at various other schools.

Professor Jackson, who has already passed physical examinations for the course, said he would accept the offer, and would probably begin taking flight instructions from the Campbell Flying Service within several weeks.

Patronize our Advertisers

Innocent Bystander

By J. W. Jensen

We often hear mention made of the passing of the frontier. It's true, our western frontier has dropped out of sight. Instead of a colorful Pony Express trip, our three-cent stamp takes a letter through a postal system so efficient that we just take it for granted. We blithely ride streamliners from coast to coast or fly a month's journey for a wagon train in a few hours. Even our school changes with the passing of the frontier. Mining engineers are no longer hard-bitten men who can outshovel the rest and run their mines with brute strength.... they're men with brains. Mechanical engineers don't take forge shop to be blacksmiths. They're going to design and do things on paper as well as over the workbench. It is so in every branch. The days of the color and glamour of engineering are slipping away, when we speak of that which attracts the average eye, but there will always be the thrill of building and planning and constructing that every engineer responds to. He who does not is not a true engineer.

Yes, the frontier days are gone. But there is always a frontier to reach and push forward. It need not be a line of demarcation between Indian and white man. It is the front of industry—ever pushing forward. It is the betterment of living conditions, always to progress as the nation progresses. It is the solution of social problems, the broadening of human relations, the improvement of every phase of life.

Look around you, fellow engineers. What do you see in the way of a frontier? Look at 'messy' Europe, tearing herself to bits, killing her people, destroying her civilization. Do you, as engineers of construction, see a frontier there, in that hellish destruction of the whole foundation of their social life, in this spoiling of the efforts of fellow engineers who have built magnificent things for the good of their people, only to see one single shell topple it to the ground? Look closer to home. Tomorrow you'll be running this country, with the job of choosing between right and wrong in dozens of problems. You'll find that the Indians on your frontiers will be cowardly chisellers like Russia, or powerful nuts like Hitler, or dope peddlers like Japan.

Engineers are used in making good foundations, or repairing faulty ones. Engineers were the men who pushed our western frontier into the sea. Engineers will always be the leaders. If there was ever a class of men who are lifted to oil the machinery of the world and get it in good running order, we think it is you men. War? It reminds us of the hard-rock miner, of the blacksmith, with their brute strength and reliance on force. When some great man engineers the final world peace, he'll use the new methods of paper-work and planning and when this great frontier has disappeared, there will be another one beyond it to conquer.

St. Louis Leads in M. S. M. Enrollment

It is a well known fact that St. Louis has more students attending school at the Missouri School of Mines than any other city. Most of the boys from St. Louis are proud of this fact, and they have reasons to be. However let us look at the matter from another angle.

St. Louis has 292 scholars at M. S. M. If you get out your slide rule, you'll find that only .035 per cent of the total population is in school. Many towns have a much better representation. Rolla, of course, has the best percentage; but since the school is located at Rolla, it is hardly fair to count it. Of other Missouri towns Cuba has almost .74 per cent, which is the best, exclusive of Rolla. This large percentage is probably due to its close proximity to Rolla. After Cuba comes the town of Dawn, Missouri. Although there are only three students attending from Dawn, it has .73 per cent. This high percentage is made possible because of its small population—only 410. The next highest town is also close to Rolla—Newburg with .58 per cent of the total population in attendance at M. S. M. The fourth highest town is Lamar, Mo. This town has eleven students which gives it .46 per cent. Following Lamar comes St. James with .31 per cent. Many small towns with only one or two students come next, but they are too numerous to mention.

Of the out of state towns, Lyndonville, N. Y., leads with three students and .42 per cent. Next comes Benld, Illinois which has seven students for a percentage of .24 per cent. The third highest out of state town is Red Hook, N. Y., with .20 per cent.

At the present time M. S. M.



By Ken Vaughan

In 1914-1918 one out of every two soldiers in the French, German or British armies who contracted the tetanus germ died. Today, in France, one out of every 200 Frenchmen who is infected with lockjaw dies.

Marquette University has helped to effect this change, being the first to adopt the tetanus toxoid developed by the Pasteur Institute, Paris. Under the direction of the head of the university pathology and bacteriology department, the school has experimented with a new injection which simultaneously immunizes against typhoid, diphtheria, and lockjaw. Credit is due to more than 100 medical students who, in the last five years, have submitted to injections of the toxoid and the subsequent diagnosis of their blood. The present injections, contrasted with the clumsy, painful process of yesterday, is simple, painless, and renders immunity for almost 10 years. The new toxoid, offering advance protection, is now being given to armies the world over at mobilization.

The Marquette University Tribune (Milwaukee, Wis.)

has students from 34 states and eight foreign countries. Of the total enrollment 641 of the students are from Missouri. Illinois has 96 and New York 48 students. New Jersey is next with 34. The Philippine Islands lead the foreign countries with four.

With the ALUMNI

William M. Weigel '00, mineral technologist for the Missouri Pacific Railroad since 1926 has been elected chairman of the Industrial Minerals Division of the American Institute of Mining and Metallurgical Engineers.

Verne Galbraith '31, who is with the Equitable Life Insurance Company of Iowa, with offices 1230 Boatman's Bank Bldg., St. Louis, Mo., visited the campus recently.

Philip L. Blake '24 is Engineer and Chief of Space Section with the Department of Agriculture, Room 102, West Wing of Administration Building, Department of Agriculture, Washington, D. C. He lives at 5 West Monroe Ave., Alexandria, Virginia.

Hudson Thatcher, ex '26, was visiting on the campus, February 29th.

A letter was received recently by the Civil Department from Edgar F. Pohlman, '39, describing his new job as Junior Agricultural Engineer with the Atascosa Water Facilities Project near San Antonio, Texas.

Edgar Darbey Hale '32, has recently accepted a position with Babcock and Wilcox at Barberton, Ohio. He is in the metallography laboratory.

Leroy E. Smith '39, is now with the Westinghouse Electric and Manufacturing Company at Pittsburgh, Pa. His home address is: 1032 South Avenue, Wilkesburg, Pa.

J. Wilbur Aittama '39, formerly with the Republic Steel Co. in Chicago, is now Assistant Metallurgist for the Miehle Printing Press and Manufacturing Co. He lives at 541 East 88th Street, Chicago.

Chas. F. Benner '37, Metallurgist in the Plastics Department of the General Electric Co., Pittsfield, Mass., delivered a talk on "Modern Plastics" before the Hartford, Connecticut Chapter of the American Society for Metals in February.

C. W. Kruse, who graduated from the School of Mines and Metallurgy in Civil Engineering in 1934 and has been connected with the Tennessee Valley Authority since graduation, is working toward a Master's degree in Public Health Work at Harvard University. He will return to the TVA following the completion of his work at Harvard.

Frederic Howard Holt, '35, has been made Assistant to the Head of the Navy Station of the Industrial Control Department of General Electric Company at Schenectady, New York.

John A. Murphy '13 is President and General Manager of Minerales y Jales, S. A., Guanaquato, Gto., Mexico, Apartado 55.

Peaceful Industrial Relations
"Over all this extensive operation and the correlating head of its various enterprises, is a quiet-spoken, quiet-mannered, friendly man, H. K. Sherry, vice-president in charge of operations. He is

known as a man who can drive an organization and still keep on terms of friendly intimacy with his staff. Under his general guidance has come the amazing development in industrial relations that has made the story of the Jeffrey Mine, and the operations of the Canadium Johns-Manville Company at that point, a matter of more than passing interest."

The above paragraph is quoted from "MacLean's" Magazine, March 1, 1940, which contained an article entitled "An Industry With a Creed." This article dealt with the Canadium Johns-Manville Company. H. K. Sherry '12, mentioned in the paragraph, graduated from M. S. M., and has been with Johns-Manville since graduation.

John P. Harmon '28, has left Silver City, New Mexico for Duncan, Arizona.

W. H. Seamon, ex '11, mining engineer, is general manager of the Willmont Mining Co., Duncan, Arizona.

Roger O. Day '25, is Metallurgist, Development Laboratories, Linde Air Products Company, 646 Frelinghuysen Ave., Newark, N. J.

Pennsylvania

"Members of the Erie Life Underwriters' Association had as their dinner meeting guest recently Barney Nudelman, general agent of the Connecticut Mutual Life Insurance Company at Albany, N. Y., and one of the outstanding public speakers in the insurance profession. With a background of seven years of continuous weekly production, his address carried unusual weight, and having been promoted to the position of general agent within the past few years, his remarks carried all of the effectiveness of the practical successful man in the field."

Barney will visit our campus the last week in March and will give a talk before the Assembly at 11:00 a. m. on Friday, March 29th. Barney graduated in Chemical Engineering in 1929 and received his Master's degree in Chemical Engineering the following year. He was a member of the Prospectors Club, the Met. and Chem. Society, the Diphenyl Dozen and Phi Kappa Phi.

You Know Them Too

By Jane Hall

As a student at the School of Mines, "Herb" Kamper is in the metallurgy department and he has done extensive work in extra-curricular activities.

His interest in engineering was



aroused in high school through the study of mathematics and mechanical drawing. Herb's brother, O. W. Kamper, graduate of '35, found the school quite satisfactory; so younger brother had to try it too, with the result that he can double check Otto's approbation. After graduation Herb wishes to go into production work. Kamper started early in his college career as an active student.

In his sophomore year he was manager of the Triangle House, in his junior year, president of the class and treasurer for the fraternity; last semester, president of the M Club; and this year captain of the basketball team, vice-president of the American Society for Metals, and treasurer of the Interfraternity Council. Besides this he is a member of the American Institute of Mining and Metallurgical Engineers, the St. Pat's Board, and has lettered four years in basketball. He is also listed in "Who's Who in American Colleges and Universities."

Kamper's prominence in school life is only a follow through of his high school career, for he was president of the senior class, and captain of the basketball team. He also made the All City Team. These honors carry weight when one considers that they were gained at a school which has several thousand students — Beaumont High, St. Louis.

Herb's favorite sports are basketball and baseball.

Patronize Our Advertisers

Scarlett and Rhett in Dramatic Scene



Clark Gable and Vivien Leigh in "Gone with the Wind"

THIS CURIOUS WORLD

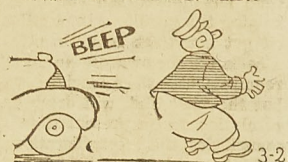
By William Ferguson



TWO AFRICAN WILD PIGS, WHEN PLACED IN A NEW YORK ZOO, IMMEDIATELY ROOTED UP THE ENTIRE FLOOR OF MACADAMIZED PAVING!

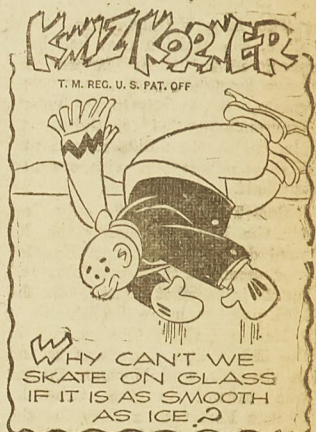
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AUTOMOBILES ARE ILLEGAL ON WEST PLACE STREET, IN SALINA, KANSAS. ANCIENT RECORDS RECENTLY UNCOVERED SHOW THAT ONLY HORSE DRAWN VEHICLES MAY USE THE STREET LEGALLY.



ANSWER: It is not the smoothness of ice that makes it slippery, but the film of water that forms between your skate and the ice, due to pressure.

NEXT: Creatures that chew with their legs.



WHY CAN'T WE SKATE ON GLASS IF IT IS AS SMOOTH AS ICE?

DANCE DATES

Friday, April 5th—
Coed's Sadie Hawkins' Dance
Sat., Apr. 13—St. Pats Board
Fri., Apr. 19—Pi Kappa Alpha
Sat., Apr. 20—Alpha Lambda Tau
Fri., Apr. 26—Kappa Sigma
Sat., Apr. 27—Kappa Alpha
Fri., May 3—Tau Beta Pi
Sat., May 4—Theta Tau
Fri., May 10—Sigma Nu
Sat., May 11—Theta Kappa Phi
Sat., May 18—Sigma Pi

As the little girl said when she sat on the cake of ice, "my tale is told."
—Gold Pan.

J. M. PIRTLE
Watchmaker & Jeweler
Serving the Miners
Since 1907

use **TUCKER'S**
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Best Bread and Pastry in Town
ROLLA BAKERY

Delicious Food—Fountain Service
Merchant's Dinners—25c
HARVEY'S RESTAURANT
'Where Old Friends Meet'

VALUABLE COUPON

Bring This Coupon to
Rolla Cut Rate Drugs

And Receive 1 Pkg.
Luckies, Chesterfields, Old Golds or Raleighs
For Only 10c



Cape Wins Meet; Miners Are Third In M. I. A. A. Indoor

Cape Girardeau won its fifth straight indoor track title Saturday afternoon at Columbia, but had to come from behind to do it. The Maryville Bearcats, winners in M. I. A. A. football and basketball, were winning until the last two events—the broadjump and the mile relay. The Indians took both firsts for a total of 50 1-6 to 44 1-3 for Maryville.

The Miners finished in third place, the position that had been predicted for them before the meet by the coaches, with 24 points, while Springfield and Warrensburg tied for the fourth place with six points apiece, and Kirksville was last with one and one-half.

Otis Taylor took the only first for the Miners, winning the 60-yard dash in good time. He also took second in the broad jump and fourth in the shot to make him the high point man for the Miners.

Nelson GaNun took second in the 880, Ralph Eads was second in the 440, and Norman Tucker was second in the two-mile. George Fort took a third in the mile, Harley Ladd was third in the shot, and the Miners' relay team finished third, to complete the point winners.

Three records went by the boards in the meet, and one was tied.

The summaries:

Mile—Won by Wayne Taylor, Maryville; Noulett, Maryville, second; Fort, Miners, third; Francis, Warrensburg, fourth. Time—4:40.8.

60-Yard Dash—Won by Otis Taylor, Miners; Barton, Maryville, second; Allison, Cape, third; Lammer, Kirksville, fourth. Time—:6.3.

440-Yard Dash—Won by Allison, Cape; Eads, Miners, second; Barton, Maryville, third; Jackson, Springfield, fourth. Time—:53.0. (Ties meet record set in 1937 by Neil, Maryville).

Shot-Put—Won by Wolf, Cape; Carter, Maryville, second; Ladd, Miners, third; O. Taylor, Miners, fourth. Distance—44 feet 10 and 7-8 inches. (New meet record; old record 43 feet 8 3-4 inches set in 1939 by Richmond, Cape).

600-Yard High Hurdles—Won by Smith, Cape; McLaughlin and Ostrus, Maryville, tied for second; Agan, Springfield, fourth. Time—:8.0.

Two-Mile Run—Won by Long, Maryville; Tucker, Miners, second; Dickerson, Warrensburg, third; Frye, Warrensburg, fourth. Time—10:28.0.

880-Yard Run—Won by W. Taylor, Maryville; GaNun, Miners, second; Skelton, Springfield, third; Michael, Springfield, fourth. Time—2:04.0. (New record; old record 2:05.5 set by White, Cape, in 1936).

60-Yard Low Hurdles—Won by McLaughlin, Maryville; Mulkey, Cape, second; Smith, Cape, third; Agan, Springfield, fourth. Time—:7.3.

Pole Vault—Tie for first between Spurlock and Hunter, Cape; Reno, Maryville, third; Glosson, Kirksville and Dunham, Cape tied for fourth. Height—12 ft. 8 1-8 inches. (New record; old record 11 ft. 6 inches).

'M' Club and Coaches Meet

Tuesday before St. Pat's the "M" Club; Prof. Clayton, representing the Athletic Council and Coaches Bullman and Gill met in the club room to discuss several matters important to athletics and athletes at M. S. M. The meeting was very informal and was conducted somewhat after the fashion of a mid-night "bull-session." The chief points taken up and discussed were:

1. Gold award requirements. This was a discussion of just what a man must do before he is eligible for a gold football, basketball or track shoe. In the past it has been the custom of the Athletic Council to make these awards to men who have lettered 4 years in their chosen sport and have given meritorious service during that time. This has been rather unsatisfactory in the past and it was for this reason that the "M" Club has undertaken the task of helping the Faculty Athletic Council get some set requirements as a basis for the awards. No definite requirements were decided upon but the "M" Club will draw up a resolution to be presented to the council for their consideration.

2. A resolution was presented to the club concerning lifetime passes for members of the "M" Club to all home athletic contests. Prof. Clayton felt sure the petition would be accepted by the council upon presentation.

3. A tentative date was set for some time in May for an athletic award assembly to be conducted by the "M" Club and the intramural committee. At this time, track, tennis and gold letters will be distributed along with the intramural cups and medals for team and individual victories. It is hoped that each year two such mass meetings will be presented—one in the fall and the other in the spring.

The club regrets to announce that a slight matter of \$150.00 was all that prevented the Stephens College girls coming down for the club's proposed dance. Dance plans have been shelved for this year but it is hoped that by getting an early start something might be worked out for the fall "M" Club dance next year.

A. I. M. E. Hears Talk

At the A. I. M. E. meeting Friday night, March 22nd talks were given by George Mitsch, Rischer Hall, and Jim Dodge on their experiences in various engineering fields during the past summer. Plans were made for a banquet April 12th, at which President Moulton will be the chief speaker. Following the meeting refreshments were served.

ord of 12 ft. 5 inches set in 1936 by Marsden, Warrensburg.

High Jump—Tie for first between Rice and Mulkey, Cape, and Ostrus, Maryville; Brown, Warrensburg, fourth. Height—5 ft. 10 inches.

Broad Jump—Won by Giddings, Cape; O. Taylor, Miners, second; Rice, Cape, third; Smith, Cape, fourth. Distance—21 ft. 6 3-4 inches.

Mile Relay—Won by Cape (Smith, Cook, Hoeh and Allison); Maryville, second; Miners, third; Warrensburg, fourth. Time—3:41.2.

Miner Boxers to Meet Warrensburg Here Friday

For the first time in a number of years intercollegiate boxing will appear on the sports program at the School of Mines, when the Warrensburg team invades Rolla Friday night to meet the Miner leather-pushers. The program will get underway at 7:30 in the gymnasium.

Coach Gale Bullman, who has been doubling as both football and boxing mentor in the past few days, has scheduled 10 matches with the Mules, eight of which will be regular bouts in all the weights. The other two bouts will be exhibitions.

In addition to the boxing program, one wrestling exhibition has been scheduled. Jim Parker, veteran Golden Gloves referee from St. Louis, will be the official.

The admission charge will be 25 cents to all but students.

Prophylaxis of Syphilis and Gonorrhea Given

Dr. Logan Clendening, well known physician-columnist, gives the following as effective methods of prophylaxis of syphilis and gonorrhea. For syphilis, reliable prevention can be obtained within several hours after a suspicious exposure by the application of a 33 per cent ointment of calomel to the area of infection. Prophylaxis of gonorrhea is the instillation into the urethra of a 25 per cent solution of argyrol. This is also effective several hours after exposure.

The method for prophylaxis of syphilis takes advantage of the unusually slow penetration and spread of the disease germs during the first twelve hours after infection. The method has been known since as early as 1909, when it was discovered by the great Russian biologist, Metchnikoff. Metchnikoff received the Nobel Prize for his discovery.

A. F. Lyster Is ASME Speaker

Mr. A. F. Lyster, of Kansas City, Industrial Manager for the Socony-Vacuum Oil Company, was the guest speaker for the A. S. M. E. meeting, held March 19. Mr. Lyster used technicolor slides to illustrate a talk on the correct lubrication of bearings, discussing the composition of oil and grease, choice of proper oil or grease, methods of lubrication, and circulating systems.

The talk was the second that Mr. Lyster has given at the School of Mines. Previously, he addressed the A. S. M. E. on the subject of the general lubrication of gears, bearings and cylinders.

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Jessup Addresses A. S. C. E. Chapter

Mr. W. A. Jessup, Field Secretary of the National A. S. C. E., addressed the local chapter of the A. S. C. E. last Tuesday night. His address, "The Engineering Profession," cleared many points here-to-fore rather hazy to the undergraduate engineer.

The engineer was proclaimed an expert with a detached viewpoint which makes him as non-partisan as it is possible to be.

Special warning was given for the young engineer to steer clear of labor organizers. Although belonging to a labor union is not considered unethical, it definitely prohibits an engineer's non-partisan viewpoint.

"I can make money for you,"

Nine Pledged By Theta Tau

Nine men were pledged last Thursday, March 21, at the meeting of Theta Tau, professional engineering fraternity. Those pledged were: Hugh Clark, Bill Eisman, Gordon Engle, Bill Busch, Vernon Loesing, Harold Rueff, Harold Hass, Edward Kromka, Bill Thayer.

Also at the meeting, plans were discussed for a banquet and initiation in the later part of April. However, a date was not decided, and arrangements were postponed for action at the next meeting.

and not "I need a job," was the attitude advocated for the job-hunter by Mr. Jessup.

An interesting "Bull Session" followed the regular meeting.

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PHONE 62

Unique Tower, Designed to Collect Electricity from Air, Now Sign Post

By Dan Lynch

Until less than a year ago, a strange looking steel tower stood on a hilltop northeast of Rolla, provoking wonder in the minds of countless passersby on Highway 66. Old, rusty, capped with a tangle of wires, and standing alone on a bleak Missouri hill, its presence there seemingly defied explanation. Travelers have taken it to be everything from a dirigible mooring mast to a radio ham's backyard antenna. Yet, as every native of Rolla knows, even these speculations fall far short. Actually, the idea behind the "Rolla Electrical Tower" is far fetched enough to make even that master contriver, Rube Goldberg, turn green with envy.

Despite its apparent age, the tower had its beginning only about eight years ago, with the coming of a St. Louis inventive genius named G. M. Sadler. Previously, Mr. Sadler had conceived the idea that an abundance of electrical energy exists in the upper strata of the atmosphere, which is free for the taking, and had applied for a patent on a device designed to collect this wasted energy and cause it to flow nicely down to earth, where it could run lights and motors for man. A detailed prospectus describing the invention in the most high sounding scientific and legal terms obtainable had been issued, and a number of subscribers taken in to finance a large scale test of the apparatus. How many of these were people from Rolla, we don't know, nor do we know why Mr. Sadler chose a site here. However, it is believed that Mr. Sadler did most of his financing prior to his coming here.

After his arrival, Mr. Sadler lost little time. Two thousand dollars were spent in the construction of an 85 foot tower on the Fred Lentz farm, three miles northeast of Rolla. Mr. Lentz was given to understand that the electricity supplied by the tower would be used to furnish him light and power.

In its construction, the tower followed almost to the last detail, the plans set forth in the prospectus. A "collector system" of wires spread on hoops about the top of the tower was to do the actual work of extracting electrical charges from the atmosphere. According to Lentz, this array comprised 10,000 feet of wire. Directly to the collector array, was connected a large bar magnet, whose mysterious function was to further collect and unify the charges. From the magnet, current was to flow through the lighting or power load, then through a resistance coil "serving to increase the efficiency." Since heavy currents were expected to flow through this circuit, 5-8 inch copper lead wires were used.

After completion of the tower, Sadler claimed difficulty in get-

ting the apparatus to work because of lack of the proper kind of bar magnets. However, by way of encouragement, he once announced that "the switch is getting hot", and that he'd soon be able to turn 'er loose. And then too, there were rumors at times about demonstrations in which lights were lit and motors run. But as to the truth of these, we're inclined to be a bit skeptical, and think it unfortunate that Mr. Sadler chose a site so lacking in static electricity, when less than two miles away, he could have "set up" near Union Electric's high tension line. And also contributing in no small way to our skepticism, is the fact that in time, Sadler sold his creation to Mr. Lentz for the sum of three dollars, and soon after left for California.

The tower, however, after seven years during which it slowly rusted its way toward oblivion, seems to have at last found its destiny. Recently moved to a new location just off the Highway, and decorated with neon tubing, it now shows up each night as a brilliantly lighted filling station sign, now strangely commonplace in its new found glory.

The Woes of Joe Miner

Consider just for a moment in your hours of frivolity my case, poor Joe Miner. I have at last discovered one reason why those marks dished out by the professors at the end of a semester are not all that they might be. It is my special filing system.

Now, it behooves every upstanding student to have a system of filing of some sort as an aid to keeping track of work finished and in the process of completion. Now my special file was, at the beginning of school, a study table but has long since outlived its usefulness in this capacity. I now have to use my roommates study table as my own.

To get on with my story, last weekend I decided to be a good boy so, forsaking other activities, I sat me down and banged out a report which was due Tuesday, which was all very fine. But some how this unfortunate report sneaked into my special file and failed to reappear until Friday, which was in the professors mind just a wee-mite late. Swish, there goes the grade points out the window for good.

However, reports are not the only thing which my file absorbs. Last week my lab partner came over to calculate data for a report. After said calculations were completed he returned to his abode. Then in checking up I found three slide rule cases and four slide rules. Amazing to say at least. Next week if I can get a grub-stake I intend to prospect for gold, silver, an alcohol still or anything else of value.

Think of the efficiency of my system however. On one small table top (special file) are one electric razor, slide rule and case, one tin football, one bottle india ink, one lamp, one box of assorted pencils, pens and erasers, two books, a desk calendar, one bottle of fountain pen ink, six note books, one watch, one pair gloves, four handkerchiefs, one bottle mucilage, one paper punch, one roll kodak film, two pictures, seven letters, one architects scale, one sack of pills from the MSM Hospital, one fountain pen, two reports, one box paper clips, three magazines, HELP

Dr. H. H. Engle to Address Economics Students April 1

Dr. Nathaniel H. Engle, assistant director Bureau of Foreign and Domestic Commerce, United States Department of Commerce, will address the economics students of the Missouri School of Mines on Monday, April 1, at 1 o'clock on "The Distribution Problem."

Prof. Orten has extended an invitation to all others who wish to attend the lecture in Parker Hall. Nathaniel H. Engle was born in Aberdeen, South Dakota, March 15, 1893. He has been a legal resident of the State of Washington since 1903. He received his preliminary education in the public schools of Michigan and Washington states and graduated, cum laude, from the University of Washington. He later received his Ph. D. degree in Economics and Business Administration from the University of Michigan. During the World War, he served in the Signal Corps, 2nd Division, A. E. F.

From 1914 to 1923, he was engaged in the lumber industry, retailing, grocery wholesaling, and merchandising fields in the State of Washington. He has also taught Economics, Marketing, and Foreign Trade at the Universities of Washington, Michigan, Brown, and George Washington.

In the field of business research, Dr. Engle has had wide experience. He served with the United States Census Bureau as expert in marketing for the first Census of Distribution from 1930 to 1932; and with the Brookings Institution from 1932 to 1933.

Dr. Engle was appointed Assistant Director of the Bureau of Foreign and Domestic Commerce in September, 1933, and has been in charge of the business and statistical research program of the Bureau. In 1934, he directed the first official Real Property Inventory and Financial Survey of Urban Housing ever conducted by the Federal Government.

Dr. Engle is president of the American Marketing Association, and economic advisor to the Construction League of the United States. He is affiliated with the American Economic Association, American Statistical Association, and is a charter member and past president of the National Distribution Council. He is a member of the Cosmos Club, Washington, D. C., and Phi Beta Kappa honorary fraternity.

He is author and co-author of numerous articles, pamphlets, and books, including "Wholesaling, Principles and Practice," and "Housing Conditions in the United States." He was the first editor of the "National Marketing Review," which later became the Journal of Marketing.

WPA Executive: "If we don't figure out a way to spend one hundred and twenty million dollars, we lose our jobs."

His secretary: "How about a bridge over the Mississippi-lengthwise?"

Color Note: Superstitions come and superstitions go, claims the University of Idaho's Psychologist Allan C. Lemon, but one that college students stick with is this: Blondes are less trustworthy than brunettes.

The Daily Texan.

assorted papers, one clip board, one typewriter, and one small box of gadgets, doo-dads, and other assorted good "junk."

Ye Gads! I'm in it my self.

FACULTY COMPARATIVE RATING

The purpose of this ballot is to determine the student's rating of the traits, of each instructor, pertaining to his teaching.

INSTRUCTIONS: Each student should grade only the professors under whom he has had classes. The rating are:

S—Superior.

M—Medium.

I—Inferior.

In order for this poll to be successful and to give a true expression of the student body each student must give what is in his mind, a just grade to the instructors whom he rates. Each student should sign his name, class year, and curriculum at the bottom of his ballot. At the Miner Office the names will be used only to authenticate the ballot, then will be detached and the results of the rating will be tabulated and recorded. All votes will be absolutely confidential and the results of the poll will be published in the Miner. The grading system will be the same as is used in the Registrar's Office, giving a 1.00 rating for M.

Each profes or is to be graded on the following traits:

A. Intelligence: How do you rate the instructor in general mental ability?

B. Ability to Teach: How well can the instructor "put it across"?

C. Interest and Knowledge: How does the instructor's interest in and knowledge of his subject rate?

D. Energy: How hard does the instructor try to give you the real facts on the subject? Does he help students to do a minimum amount of work?

E. Fairness: Are his tests fair and free from cribbing?

F. Personality: How does he impress you as a fellow-man? Does he command your confidence and respect.

Name	Intelligence	Ability to Teach	Energy	Interest and Knowledge	Fairness	Personality	Remarks
Barley, J. W.							
Bell, W. C.							
Bertram, W. B.							
Black, C. H.							
Boyd, C. E.							
Butler, J. B.							
Cagg, M. H.							
Carlton, E. W.							
Carroll, R. R.							
Clayton, C. Y.							
Conrad, F. H.							
Crawford, I. C.							
Day, T. G.							
Decker, E. E.							
Dennie, F. E.							
Eikelberger, W. R.							
Ellison, Samuel							
Erkiletian, D. H.							
Farnham, F. C.							
Fisher, D. F.							
Frame, F. H.							
Gevecker, V. A. C.							
Goodhue, E. A.							
Gordon, L. C.							
Grawe, O. R.							
Guinnup, G. R.							
Hanley, H. R.							
Henderson, C. E.							
Henning, O. A.							
Herold, R. G.							
Hinsch, W. B.							
Jackson, R. O.							
Jensen, W. J.							
Johnson, E. E. (m)							
Johnson, E. L. (E)							
Johnson, J. S. (ee)							
Kershner, K. K.							
Kilpatrick, A. V.							
Legsdin, A.							
Lloyd, S. H.							
Lovett, I. H.							
Maise, C. R.							
Mann, C. V.							
McCloy, R. W.							
Miles, A. J.							
Millar, C. J.							
Monroe, C. J.							
Mullenburg, G. A.							
Noble, G. W.							
Orten, M. D.							
Powers, W. F.							
Ranes, G. O.							
Rankin, R. M.							
Schrenk, W. T.							
Sease, Nadine M.							
Smith, F. J.							
Thomas, C. D. phy.							
Thomas, W. M. eng.							
Walsh, D. F.							
Webb, W. H.							
Williams, R. Z.							
Willson, J. M.							
Woodman, L. E.							
Yates, W. E.							
Young, R. H.							
Zeuch, W. C.							

Class Year Curriculum

Signature

Scarlett and Her First Love



Vivien Leigh as Scarlett O'Hara and Leslie Howard as Ashley Wilkes in a touching scene from "Gone With the Wind."

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Varsity Orchestra Has Developed Into Fine College Dance Band

Having a very inauspicious beginning, the VARSITY ORCHESTRA grew to its present position with a history paralleling that of the Missouri School of Mines. Starting as a small band with a little school, the Varsity is now a big band with a great school.

The student body of M. S. M. awoke suddenly this year to recognize a fact which has been making itself more apparent every year. That the collection of toots, bumps and plunks, known as the Varsity Orchestra, was a darn nice little band acclaimed as being true. This recognition is not confined to this campus, alone. Recently the band signed a contract with William Woods College.

The orchestra has no history, or rather, it has so much that it wouldn't fit into this or several issues of the Miner. No founder of the organization can be nailed down, and none of the members of the present band can remember when it started. It has just always been. Like Congress, the band changes personnel every so often. Being run somewhat like a corporation, the Varsity has a president, and a treasurer. Each of the members has a special job to do besides playing. Some set up, other take care of the library, and so forth.

At one time, somewhere in the dim dark past, there were two school bands on the campus, the MISSOURIANS and the M. S. M. ORCHESTRA. The Missourian outfit turned out to be the "bad guys," and the other side the "good boys," for one day the Missourian's leader left town on the fastest train, thus ending a discouraging period of feuding. The present form of the orchestra took place about the time that "Doc" Woodman's son was the leader. The present president, Bobby

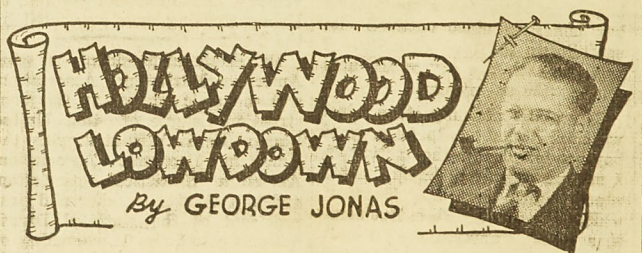
Smith, has, believe it or not, played with the band for seven years. He started when he was in high school, and observing the stress and strain his playing caused upon the audience, decided that he should become an engineer.

Abe Johnson, the dapper demon of the drums, has been acclaimed the Old Man of the outfit, as he beats Smith's record of seven years. He was a veteran when he came here, however, having played with crack mid-western bands for two or three years before then.

Jimmy Katz is also some sort of an old guard, having been tootling his alto for five seasons.

New York's sweet serenader, Nels Gannun is a professional from way back, having played the East Coast Resorts for years. Much interest has been shown in Ken Meyer, the new comer on the trumpet. His ability to do what he does when he doddles comes from four years of big band work in St. Louis. Seb Hertling, now up to his neck in bull fiddle, was once a gushing guitarist, but likes his new position because it gives him added foot work. Eric Casey, piano, Jerry Higley, trumpet, and Chuck Faulkner are high school men, and are undecided as to whether it will be worth while being engineers next year just to stay with the band. Mac Stewart on the alto and Rolfe Roley, the vocalist, complete the imposing lineup, to the strains of the Hawaii halfnotes of Hank Gruber, a local guitarist making good.

The band have been eating up the good things thrown their way this year, and the boys of the Varsity are certainly glad that they are now the accepted official Energized Jump for the Engineer's Jive.



Hollywood has another word for it.

Now it's "technilure"—meaning plain, old-fashioned feminine allure in Technicolor. And if the glamour people of the black-and-white screen haven't got it, insists Director Louis Kink today, they're on the same toboggan that whizzed to obscurity with the romantic mummies of silent days, whose voices let them down.

"For a rough idea of what technilure is," explains King, who's directing the Technicolor South Seas picture, "Typhoon," at Paramount, "consider a rather plain shapely girl in a bathing suit. Her skin is mid-winter white, and her appeal, we'll say, is negligible."

"But let the same girl acquire a warm, even summer tan and her appeal is doubled. Don't ask me why, but it's a fact. That's the reason all the girls want to get tanned these days."

"Now Technicolor, as recently improved, emphasizes the qualities of skin—or lack of them. Make-up can be used to darken a skin, or cover its defects, yes—but no make-up in the world can give it the vibrant, glowing warmth that it needs in 'technilure'."

Dorothy Lamour, who exchanged her trusty sarong for an even

more revealing lava-lava in the King picture, won't have to worry, however, the director says. Nor will Robert Preston, her favorite leading man, who wears a pareu, a masculine equivalent of the lava-lava.

"Dorothy," declares King, "has more technilure than any actress I've ever seen in color pictures. And I'm convinced that Preston has just as much."

If you have a little bear which weighs 600 pounds and stands seven feet, running around your back yard, you will be doing a great favor to a fellow named Jay Marchant, who can easily be reached at the Metro-Goldwyn-Mayor studios.

Marchant is unit business manager on "The Yearling," which will star Spencer Tracy. Because Director Victor Fleming and Producer Sidney Franklin are so concerned with finding a bear to play Jody and a bottle-fed deer to enact the major animal role, they are concentrating on nation-wide searches and leaving Marchant with a few little searches of his own.

He can find plenty of tame bears around 300 pounds but they aren't large enough by a full 100 percent. The animal has to be twice as large, a seven-footer,

absolutely black, and tame.

For the first time in Hollywood history a forthcoming picture will have verbal credits as it opens the screen, it was revealed today as he filmed the initial fade-in for "Buck Benny Rides Again," Paramount comedy starring Jack Benny.

Names of the stars and featured players are announced by Doc Wilson, who announces the Ben radio program.

Those who receive such an introduction are Ellen Drew, Anne Devine, Virginia Dale, Phil Harris, Lillian Cornell, and Edd "Rochester" Anderson.

Miss Hollywood Starlet, average of eighteen, is ten years away from settling down to raise a family.

At least that's the way thirty-four out of forty young girls playing in Eddie Cantor's starring picture, "Forty Little Mothers," at Metro-Goldwyn-Mayor viewed their futures when asked in a questionnaire how long they expected to continue their career. Only six girls, two of whom a ready were married, favored family life at the "earliest opportunity."

The majority admitted marriage might be considered within the next ten years, but only if it would not interfere with her screen career.

The long arm of the United States Navy and its concern for national defense in the Pacific, today snatched an amateur snapshot camera from the hands of Judith Barrett on a movie set in Hollywood. She was prevented from holding the simple instrument during the filming of scenes purporting to show her aboard the China Clipper in flight to the Orient.

How this came about, in compliance to "suggestions" from naval intelligence officers, was just revealed as Miss Barrett's current picture, "Road to Singapore," nears its release.

Miss Barrett was caused to dispense with the camera when it was made known to Director Victor Schertzinger that clipper passengers' picture-making instruments are locked up under seal during sky voyages over the Pacific to prevent espionage. And the Navy would rather that Miss Barrett had no camera at her plane window—even in a movie.

**Pass List, Suspended
at Rollamo for
"Gone with the Wind"**

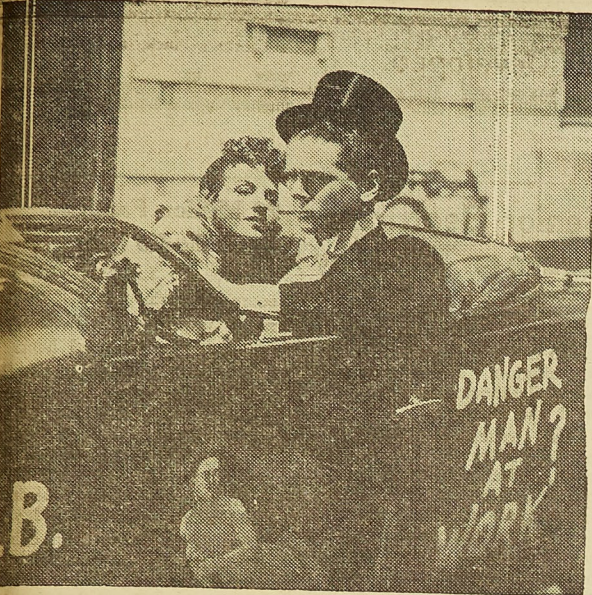
The Rollamo Theatre has been compelled under its contract to suspend its pass list for the 7-day run of "Gone With the Wind."

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DANIEL BOONE

CAFE

110 W. 8th



Love is a series of ups and downs for Jackie Cooper, Betty Field's ardor-filled sweetheart in "Seventeen," Paramount's new screen version of Booth Tarkington's famed story of young love. It comes Tuesday to the Rollamo Theatre April 2.

Missouri Surveying Conference to Be Held in Rolla on April 12 and 13

The first annual Missouri Surveying Conference will be held at the School of Mines Friday and Saturday, April 12 and 13, under the sponsorship of the Civil Engineering department of the school. Invitations have been sent to surveyors and county highway engineers, abstractors and title attorneys, and professors of surveying throughout the state. The conference is expected to attract a large number of visitors to Rolla.

The object of the conference, according to Prof. E. W. Carlton, conference chairman, is to bring together county engineers, surveyors and highway men, interested in right-of-way problems, together with little attorneys and abstractors, to discuss problems of interest to Missourians. An opportunity will be offered to check on current developments within the state and to review some of the fundamentals of land surveying. Outstanding speakers have been obtained to lead the discussion on each subject, and there will be round table discussions and question boxes on each subject.

"We feel that the School of Mines can render a district service to the state on conducting a conference of this type," Prof. Carlton said, "and should it be a success, we hope to make it an annual affair."

Sessions of the conference are scheduled for Friday afternoon and for Saturday morning, with Prof. J. B. Butler, head of the Civil Engineering department, at the School of Mines, and Prof. Harry Rubey, head of the Civil Engineering department at the University of Missouri, presiding at the various sessions. A dinner will be held at the Sinclair Tavern

Black Attends Architects' Session

Prof. Black, of the Drawing Department, attended a special meeting of the Kansas City chapter of the American Institute of Architects March 19, in Kansas City.

William Emerson, Dean of Architecture at the Massachusetts Institute of Technology, gave an address, "Architecture as Taught in American Schools." He showed some slides which illustrated good and bad architecture. Dean Emerson also discussed the design of Boulder Dam and several other bridges and dams in the United States and Europe.

Prof. Black said that the talk and slides were very good and that he plans to show the slides at M. S. M. if at all possible.

This Scientific World

By Gene Martin

The highest pressures ever made have recently been achieved by Dr. P. W. Bridgman of Harvard through the use of nests of high pressure vessels in which inside equipment receives outside support at critical parts. A piece of carbonyl, an alloy of tungsten carbide and cobalt, was subjected to a compressive stress of 3,500,000 pounds per sq. inch by the use of Dr. Bridgman's development. Carbonyl's normal crushing strength is 1,000,000 pounds per sq. inch. Many experts thought that carbon might change into diamonds at room temperatures, if subjected to a very high pressure. However, experiments with thin carbon sheets have shown that even under the high pressure of Dr. Bridgman's method this does not happen. Many new facts are expected to be uncovered about various elements by subjecting them to high pressures by the use of Dr. Bridgman's apparatus.

Six-horned beasts that lived in South Dakota 30,000,000 years ago will be the object of a search by a joint expedition of the National Geographic Society and the South Dakota State School of Mines during the coming field season. The animals known as protoceratops were about the size of sheep and were remotely related to the deer and antelope. The male in addition to the six horns on his head also had a pair of tusks. The expedition will also look for the bones of titanotheres, which were large animals somewhat like the rhinoceros. President Joseph P. Connolly of the School of Mines will be in charge of the researchers.

C. E. Senior Trip

On May 2nd, the senior civil engineers of the School of Mines will leave the school on their annual senior trip. The professors who will accompany the seniors will be E. W. Carlton, and I. C. Crawford. Sixteen seniors will take the trip including Axtell, Baumstark, Boland, Davidson, Ferrell, Grisham, Hall, C. E., Hall R. D., Ladd, Lorraine, Nickerson, Palmer, Perry, Rushing, Taylor, and Welch. They will travel approximately 1600 miles and will return May 17. Their itinerary will include Jefferson City, Keokuk, Chicago, Milwaukee, Springfield, and St. Louis.

Students Urged Not to Cram

Dr. S. Winston Cram believes that students should take his name in vain, for he urges all in his classes not to cram for his final examinations. And to add to the effectiveness of his no-cramming addict at Emporia (Kans.) State Teachers College, Prof. Cram says his students may use "ponies" when they write their answers to his quiz problems.

Says the professor: "This plan serves as an impetus to the student to put in a worthwhile review program. He won't have to clutter up his mind with numerous equations which he can't remember. It makes for more constructive review instead of cramming."

Dug From The Exchanges

By Ken Vaughan

Now They Need A Bicycle To Aid Solutions

Stillwater, March 10—(Special)—Engineering students pinched themselves to prove they were not having a nightmare last week when a giant, ninefoot slide rule faced them as they entered their classroom.

The huge slide rule, composed of 20 scales, was purchased for a new course in the use of the instrument which expedites mathematical computations.

Dr. C. E. Bardsley, professor of civil engineering, who teaches the class, explained that the rule is an exact duplicate of the Log Log Duplex Decitrig, the type most commonly used.

"All I need now is a bicycle," Doctor Bardsley said, "to go from one end of the rule to the other in making explanations."

He added more seriously, that he believes those students who are the best engineering students are the ones most proficient in the use of the slide rule.

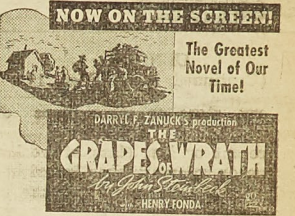
Approximately three-fourths of the course deals with theory and use of the slide rule as applied to engineering problems. Lectures also cover special slide rules, calculating machines, mathematical short cuts, systematized computation, and use and construction of charts and tables.

—Daily Oklahoman.

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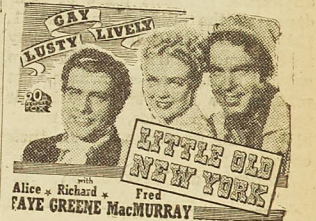
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CENSUS (Continued From Page 1)

factory, store or other place of business).

Present or last class of worker (wage or salary worker in private work; wage or salary worker in government work; employer; working on own account; unpaid family workers).

Whether at work in private or non-emergency government work during week of March 24-30.

If not, whether assigned to public emergency work (such as NYA) during that week.

If neither, whether seeking work.

If not at work or seeking work, does the student have a job or business, from which he is temporarily on vacation, sick leave or lay-off? (Students on Easter vacation between March 24-30 might be in this group.)

The only other question which parents might have trouble answering concerns place of residence of the student on April 1, 1935. If the student was away from home at the time, in prep school, college or elsewhere, the parents are still to report his permanent residence, which normally would be the same as their own.

Students at West Point, An-

napolis and other training institutions of the War Department, Navy Department and U. S. Coast Guard, and student nurses living at hospitals or nurses' homes will be enumerated at those institutions.

Reporting to the Census Bureau is required by law, but the same statute protects those giving the answers against disclosure of individual returns or their use for taxation, 4692.

They will be used solely for statistical purposes. For example, it will be possible to determine from 1940 Census figures the number of college graduates in various occupations, the number of unemployed college graduates, and a great deal of other important information never before available. Not only will the Census produce material of this type, directly bearing on the student's prospects, but will furnish sociological data of considerable value to students doing research. Thus cooperation with the 1940 Census will pay the student dividends.

Dr. Mann Speaks in Texas

Dr. C. V. Mann, head of the Drawing Department, returned Monday, March 11, from Texas

AIMME Leaders to Be Here April 12

The national president and secretary of the American Institute of Mining and Metallurgical Engineers will speak at a meeting sponsored by the MSM Student Section of the AIMME on April 12. George Chedsey is president of the Student Section.

Dr. W. R. Chedsey will drive to Joplin to attend a meeting of the Tri-State Section of the AIMME on April 11. He will bring President Herbert G. Moulton and the secretary back to Rolla on the 12th. After the Rolla meeting the party will go to St. Louis to attend a meeting there, and then to Chicago where Daniel C. Jackling will receive the Washington Award at a meeting of the Chicago Section of the AIMME on April 15.

where he gave an address at the West Texas State Teachers College before 1500 teachers Friday. Dr. Mann also spoke before the Industrial Arts section at the Texas College of Technology, and at a meeting of the Plainview Kiwanis Club. Dr. Mann left for Texas Wednesday, and visited many of the Texas Colleges.

Senior Electricals Leave on Trip May 1

Professors F. H. Frame, G. O. Ranes, and the senior E. E.'s will leave May 1 on their senior trip which will take them to Pittsburgh, Washington, Philadelphia, New York, Schenectady, Buffalo, Cleveland and St. Louis.

The extensive Westinghouse plants, Mellon and Carnegie institutes, and the University of Pittsburgh will be the chief points of interest for the first stop. At Washington the federal buildings, the Franciscan Monastery, and Washington Cathedral will be visited. If time permits, the group will also inspect the navy yards. The making of electrical instruments will be observed at the Leeds and Northrup plant in Philadelphia and the R. C. A. radio plant will also be visited there.

Six days will be spent in New York, the first two at the world's fair. Prof. Frame said they would take in only the strictly scientific exhibits. During the remainder of their stay they will visit Bell Telephone, Radio City, the Electrical Testing Laboratories, the Hayden planetarium, Art Institute, and

22 Million Families Daily Radio Fans

22,800,000 families, CBS search reveals, listen to the radios every day. With the average listening time 5.2 hours a day, according to Columbia, there are 118,560,000 hours of family listening every day. Since the average number of radio listeners in any family is 3.9, we find there are 461,384,000 man-woman-and-child hours of radio listening in the United States every day.

But these figures were calculated before you started reading this column, and now, I'll bet, the total is somewhere around 500,000,000 or maybe it's 100,000,000, or maybe it's 461,384,000.

the Museum of Natural History. The giant General Electric plant at Schenectady will be visited, and from there the group will go to Buffalo to see the making of Bethlehem Steel and to Niagara Falls to look over the power plant. In Cleveland inspection tours will be made in the Nela Lamp Works and the Electric Controller Manufacturing Company. The trip will end in St. Louis at a student meeting of the A. I. E. E.



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