



12 Jan 1962

The Missouri Miner, January 12, 1962

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Prof. J. P. Govier Picked to Head Mining Engr. Dept.

Twenty years working for major petroleum companies in North and South America — this seems like a rather impressive background for a petroleum engineer. But does it immediately follow that such qualifications would fit him for the head of the Mining Department?



Prof. J. P. Govier is the man, and a look at his background may clarify the picture.

Born and raised in oil country, Pennsylvania, at the time of its boom, Prof. Govier spent one year in EE before being caught in the tide. He completed his degree in Petroleum Engineering at Penn State in 1934, and has since heaped on an abundance of practical experience.

But to get to the question — "Why from industry to teaching?" Here Prof. Govier has outstanding credentials also. Representing the field of education, his grandfather was president of Penn State, his father for forty years a EE professor there. His father-in-law heads the University of Tulsa's Chemistry Department and he has a brother-in-law in the Assistant Chairmanship in English Literature at the University of Rochester.

Since 1957, Prof. Govier has

himself taught, here at MSM, in his first instructional position. His field is petroleum reservoir engineering and with his occupational experience he has helped gear the Petroleum Engineering courses to be supplemented, not duplicated or contradicted, by later professional training. The professor lives here with his wife and three children.

The Professor, while at Penn State, joined Lambda Chi Alpha social fraternity and has since become a member of the American Institute of Mining and Metallurgical Engineers, The American Society for Engineering Education and Sigma Gamma Epsilon, national honor society for the earth sciences.

Prof Govier succeeds C. R. Christiansen as Mining Department chairman.

Mr. Govier reports that 22 men are currently doing graduate work in the Mining Department, a percentage exceeding that of any other department.

The new Mining offices are in room 125 of the Mining building.

State Street Stripped Of Trees Over Recess

Miners returning to Rolla after Christmas were shocked to see that a very large portion of the tree population had been mercilessly eliminated. White faced stumps all over the city gave undeniable evidence to the great massacre that had taken place in the absence of the students.

This disease has in a short time spread over a great portion of the country, killing a large percentage of the elms wherever it goes. In Rolla about 30 elm trees were cut down to check the spread of the disease. State and 12th were the streets that suffered most. Samples of the



State street's bleak look — taken along the west side of State looking north.

Friendly old elms that so often had extended their leafy arms to shelter students from the elements, trees that for years had stood silently watching many students come and graduate, are now gone.

Seriously, the fact is that a great number of trees in Rolla were stricken with a dutch elm

diseased trees were sent to the State Forest Commission to verify the disease before the tree cutting took place. Although it was necessary that the trees be cut, many streets, probably the worst of which is State Street, have been left with a very unsightly row of stumps.

NOTICE!

On January 30 the Interfraternity Council will hold a Mixer at the Student Union. All students interested in pledging a Fraternity next semester, or at any time in the future, are invited to attend. It will begin at 7 p. m.

NOTICE!

Any organization wishing to elect a candidate for Ugly Man, contact Gary Schumacher. Phone EM 4-1490, Pi Kappa Alpha Fraternity.

Proceeds go to March of Dimes.

The Missouri MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 48

JANUARY 12, 1962

NUMBER 14

Overall Engineering Enrollment Down By 6.6% Across U. S.

"The nation will have to make do with fewer engineering graduates for the next four to six years," predicted the Engineering Manpower Commission of Engineers Joint Council on the basis of a recently completed college survey. This will be at a time when demand for such highly skilled manpower will be on a sharp rise.

The survey covers freshman engineering enrollments in engineering colleges throughout the coun-

try, accounting for approximately 89% of the total number of students involved.

In the face of a general rise in college freshman enrollments, engineering freshmen will fall back for the fourth year in succession, according to the Commission survey. Starting from what many felt was already a rock bottom low for engineers, another two to three percent freshman decline is predicted.

Geographically, the hardest hit area is the Middle Atlantic with a 6.6% drop. Other areas were affected as follows:

Geographic Area % Change in Freshman Engineering Enrollments	
New England	-2.5%
Middle Atlantic	-6.6%
South Atlantic	-1.9%
East North Central	-6.0%
East South Central	+3.3%
West North Central	-1.8%
West South Central	-3%

Mountain +3.0%
Pacific -6.4%

More startling is the fall-off in relative standing. Freshman engineers represented 10.8% of total freshmen in 1957. In the fall of 1960, it had dropped to 7.3%. This year, says the EMC, the percentage will fall below 7%.

The nation will soon feel the implication of continued low enrollments through inevitable shortages of graduating engineers.

In 1950 the country graduated 52,700 engineers. This became 37,800 in 1960. By 1965, engineering graduates should number 32,000 based on present enrollment and retention rates. Even if the trend reverses itself and a gradual rise in enrollments is assumed, the present level of engineering graduates will not be reached again until about 1967 or 1968.

In sharp contrast is the prediction (Continued on Page 5)

TO PROSPECTIVE PLEDGES—

IFC Mixer to Be Held January 30 In the S. U.

The Interfraternity Council will hold a mixer on January 30 for all the students interested in pledging. This mixer will not be a rush party, but will be an intermediate step toward rushing and pledging. At this mixer all those interested may fill out forms and express a preference as to which fraternity he might want to pledge. From these forms the fraternities will get the names

of people interested in rushing. This mixer will attempt to solve many problems by allowing rushers the chance to get a picture of the whole fraternity system without being pressured by any particular one. The fraternities feel that this is a good idea because it gives individual rushers a chance to learn about fraternities and express a preference without being subjected to bias opinion.

St. Pat's Beard Contest To Include Four Types

As the date of the arrival of our patron saint, St. Patrick, is only three months away, the beards of all loyal Miners should be starting to grow a little more lengthy than normal. The purpose of this article is to inform the freshmen and remind the upperclassmen that there will be another contest this year. Judging in the St. Pat's Beard Contest is on four types of beard.

The first type of beard is the full beard or the Smith Brothers beard. This beard is a full beard with a mustache. The full beard may be trimmed around the neck.

Students now enrolled at the Missouri School of Mines and Metallurgy are reminded that they do not have to re-register their motor vehicles for the Spring Semester if the vehicle is already registered with the Traffic Safety Office.

The Soup Strainer is the second type of beard eligible for competition. The Soup Strainer must be



Smith Brothers

trimmed around the neck and on the side of the face as shown in (Continued on Page 9)

MSM Nuclear Reactor News

Below is a report on the nuclear reactor obtained primarily from an interview with Dr. Pauls.

The MSM Reactor is a low kilowatt, heterogeneous, thermal, pool-type, research and training reactor. It is similar in design to the Bulk Shielding Reactor, the original pool-type, at Oak Ridge, Tennessee. The reactor is cooled by convection. The reactor fuel is Uranium 235 and Aluminum oxide plates.

The pool is 9 feet wide, 27 feet deep, 19 feet long, and holds approximately 32,000 gallons of high purity demineralized water. A steel operator's bridge spans the pool.

At one end of the steel bridge is the Aluminum tower. At the lower end of this tower is a heavy aluminum grid plate with holes to receive fuel elements which form the core of the reactor. A standard fuel element has ten plates about 1/16 inch thick and each plate is an Aluminum-Uranium oxide-Aluminum sandwich containing 17 grams of Uranium 235. The control elements are composed of 6 of these plates with a space left along the vertical axis of each element so that they can receive one of three Boron-carbide safety rods of stainless steel regulating rods. It is interesting to know that the MSM Reactor could operate day and night at a maximum output of 10 kilowatts for about 100 days and consume only one gram or .35 ounces of Uranium 235 during the entire time.

The nuclear reactor facilities are utilized primarily by the Physics courses are concerned mainly with the operating characteristics (rod cobbration, flux measurement, reactor instrumentation, etc. of the reactor) while the Metallurgy courses include development of metals and alloys for nuclear engineering purposes and studies of damage caused by nuclear radiation to many metallic and non-metallic materials.

The reactor was built by Curtis Wright at a cost of \$150,000, the building costing an additional \$150,000. One-half of the above sum was furnished by the Atomic Energy Commission and the other by the State of Missouri. The Nuclear Training Program at MSM is directed by Dr. Pauls of the Physics Department.

The MSM Nuclear Program brings the State of Missouri to the front rank of Atomic study at the University level. From this background, MSM students may emerge with professional preparation second to none in the nation.



THE MISSOURI MINER is the official publication of the students of the Missouri School of Mines and Metallurgy. It is published at Rolla, Mo., every Friday during the school year. Entered as second class matter February 8, 1945, at the Post Office at Rolla, Mo., under the Act of March 3, 1879.

The subscription is \$1.00 per semester. This Missouri Miner features activities of the Students and Faculty of M. S. M.

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Notice to All Job Applicants "Most Likely to Succeed"

(ACP)—Anticipating a rebellion against conformity in big business, the BROWN AND WHITE, Lehigh University, suggests the following procedure for job applicants:

If you wash your hands before the interview, don't dry them. Be proud of honest sweat.

Dash into the interview with a cigarette, or preferably a cigar in your mouth, mumble your name, and address the interviewer as Joe (If his name should be Joseph pick some other name).

Sit down on the desk.

If there is any literature on the desk ask for copies of it to help your roommate who is collecting the junk.

Do not use stilted phraseology; slang indicates that you are at ease and may put the interviewer at ease as well.

Remember it is all a game. Every time the interviewer asks a question, give an evasive answer and ask him a pointed one in return, for example: "What is your expense allowance policy?"

Do not let the interviewer evade your questions regarding salary, retirement plans, sick leave, and unemployment compensation.

If the company is located in Florida ask for an invitation to visit its plant over the Christmas or Spring vacation. If you can arrange enough such invitations at company expense they may pay for your whole vacation.

Make it clear to the interviewer that you know your value to his company and won't be bought for a low price.

Never inquire about the type of work associated with the position.

As you leave, invite the interviewer out for a drink. He will recognize you as an operator.

As far as appearance goes, students are urged to grow a beard and wear a white T short and sport coat. If the student does not own a T shirt he may wear a colored shirt with a gay bow tie, string tie, or bolo tie.

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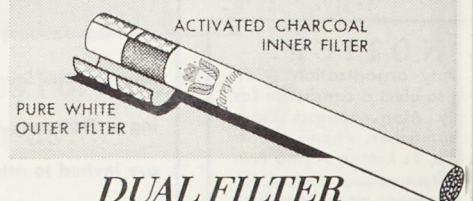
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**DUAL FILTER
Tareyton**

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Mining Engineering Students Undergo Mine Rescue Training



Pictured above are mining students who took part in Mine Rescue Training Program sponsored by U. S. Bureau of Mines.

Students of the Department of Mining Engineering were offered a course in Mine Rescue Training during the week of December 4-8. This course was conducted by Mr. C. M. Dovidas from the Vincennes, Indiana office of the U. S. Bureau of Mines. Students were given instruction in the detection and measurement of mine gases and in the use of respiratory protective devices. Gas masks, self-rescuers, and self-contained oxygen breathing apparatus were studied and worn by all participants. The final test of the latter type of apparatus was given in

the suffocating atmosphere of the "smoke room." Seventeen graduate and undergraduate students participated and will receive certificates of competence from the Bureau of Mines.

The school teacher was attempting to instruct her students in the various value of American coins. Taking a half dollar out of her purse, she laid it on her desk and asked: "Can any of you children tell me what it is?"

From the back of the room came the voice of a small boy: "Tails."

Sigma Nu Elects Officers

Anticipating the tomb-like silence of final week Sigma Nu is hopefully looking forward to one last celebration before the semester ends. This celebration would be brought about by victory in the finales of the basketball playoffs. Up to date Sigma Nu has not lost a game and with the memory of last years victory we are awaiting this weekend expectantly.

Monday night the removal of obsolete officers was done in mass when Sigma Nu elected new leadership material. This semester the preceding offices will be competently held by new men except that of Commander which is a yearly office. The office of Lieutenant Commander is now held by Brother "Chico" Verdi, who very aptly defeated a wide field of candidates. Darrel Donis, recently engaged to Miss Barbara Vitchner, has also taken on the responsibility of house Recorder. Brother Ken Pohlig was awarded the dual honor of being elected Treasurer and Saint Pat's Board Junior Member. Brother Charley Riggs, also a dual honor boy, was picked to guide the second semester pledges as Pledge Marshall and to guide the house jocks as Athletic Manager. With the sudden unexpected removal of Brother Woerner from the position of Junior I. F. C. member Brother Ken Ferguson was nominated and accepted by acclamation. Last but not least the office of Chaplain was conferred on Jerry Britton.

AIEE and IRE To Merge

The American Institute of Electrical Engineers and the Institute

of Radio Engineers have agreed by joint resolution of their respective Boards of Directors, to explore and, if feasible, "to move actively toward consolidation."

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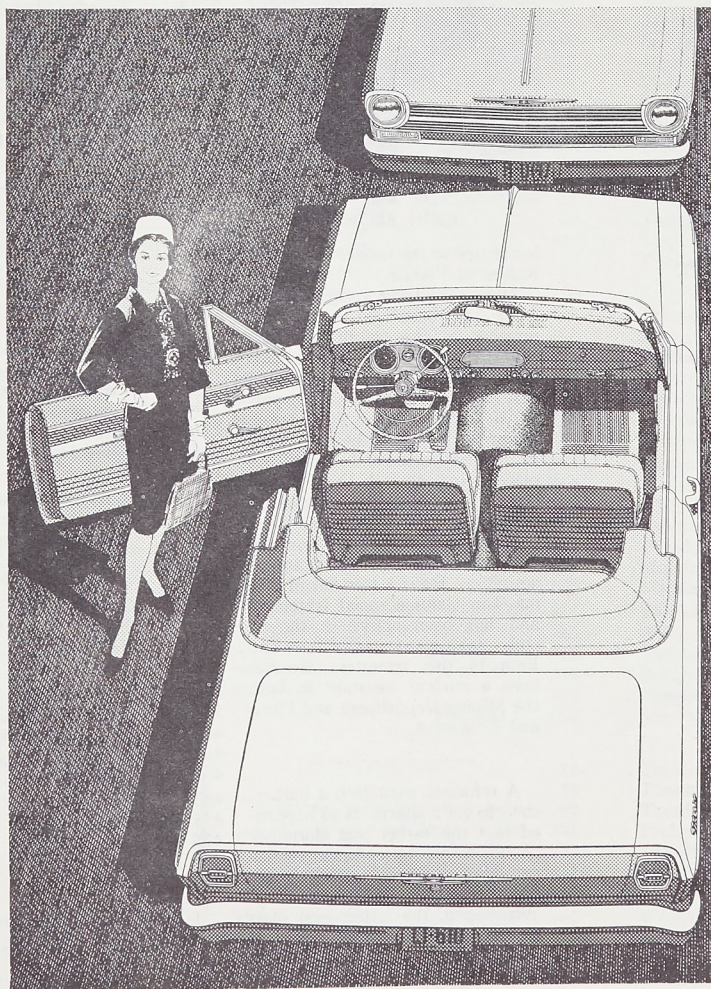
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FALL SEMESTER, 1961-1962,

January 15, 1962, 8:00 a. m. through January 20, 1962, 5:00 p. m.
Final Exam Period
All Grades due 8:00 a. m. Monday, January 22, 1962

CERAMICS

Course No.	Time of Examination	Room
101	Monday, Jan. 15, 10:10 a. m.	211 Ful.
203	Thursday, Jan. 18, 3:10 p. m.	212 Ful.
252	Wednesday, Jan. 17, 10:10 a. m.	212 Ful.
254	Thursday, Jan. 18, 8:00 a. m.	103 Ful.
260	Friday, Jan. 19, 10:10 a. m.	103 Ful.
286	Thursday, Jan. 18, 10:10 a. m.	211 Ful.
312	Monday, Jan. 15, 3:10 p. m.	103 Ful.
343	Friday, Jan. 19, 10:10 a. m.	212 Ful.
401	Wednesday, Jan. 17, 10:10 a. m.	103 Ful.
403	Wednesday, Jan. 17, 1:00 a. m.	103 Ful.
405	Monday, Jan. 15, 10:10 a. m.	103 Ful.

CHEMISTRY

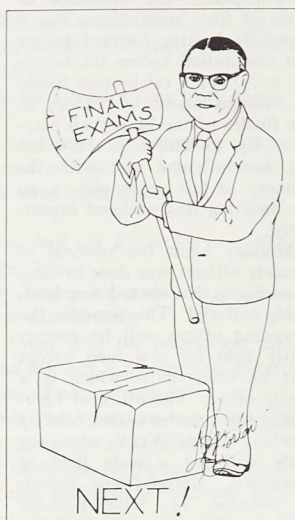
1A&B	Monday, Jan. 15, 10:10 a. m.	G6, 110, Ch. E.
1C&D	Monday, Jan. 15, 3:10 p. m.	G6, G3 Ch. E.
1E&F	Thursday, Jan. 18, 1:00 p. m.	G6, 204 Ch. E.
1C&H	Thursday, Jan. 18, 8:00 a. m.	G6, 207 Ch. E.
3A	Wednesday, Jan. 17, 10:10 a. m.	G6, Ch. E.
3B	Tuesday, Jan. 16, 8:00 a. m.	G6, Ch. E.
7A	Tuesday, Jan. 16, 10:10 a. m.	G6, Ch. E.
7B	Thursday, Jan. 18, 3:10 p. m.	G3, Ch. E.
211	Monday, Jan. 15, 3:10 p. m.	204 Ch. E.
221	Wednesday, Jan. 17, 10:10 a. m.	107 Min.
223	Thursday, Jan. 18, 10:10 a. m.	110 Ch. E.
241	Friday, Jan. 19, 3:10 p. m.	G6, Ch. E.
243	Monday, Jan. 15, 10:10 a. m.	G3, Ch. E.
244	Friday, Jan. 19, 3:10 p. m.	204 Ch. E.
301	Monday, Jan. 15, 10:10 a. m.	204 Ch. E.
321	Friday, Jan. 19, 1:00 p. m.	211 Ch. E.
343	Wednesday, Jan. 17, 10:10 a. m.	202 Ch. E.
349	Thursday, Jan. 18, 3:10 p. m.	202 Ch. E.
361	Thursday, Jan. 18, 10:10 a. m.	202 Ch. E.
385	Wednesday, Jan. 17, 10:10 a. m.	204 Ch. E.
421	See Instructor	
441	Monday, Jan. 15, 10:10 a. m.	202 Ch. E.

CHEMICAL ENGINEERING

55A&B	Thursday, Jan. 18, 3:10 p. m.	204 Ch. E.
55C&D	Friday, Jan. 19, 1:00 p. m.	G3 Ch. E.
169	Thursday, Jan. 18, 10:10 a. m.	G6 Ch. E.
195	Tuesday, Jan. 16, 3:10 p. m.	G6 Ch. E.
258	Friday, Jan. 19, 10:10 a. m.	G6 Ch. E.
261A	Monday, Jan. 15, 10:10 a. m.	104 Old Chem.
261B	Tuesday, Jan. 16, 10:10 a. m.	211 Ch. E.
263A	Thursday, Jan. 18, 10:10 a. m.	204 Ch. E.
263B	Friday, Jan. 19, 10:10 a. m.	204 Ch. E.
265	Tuesday, Jan. 16, 10:10 a. m.	310 Ch. E.
267	Wednesday, Jan. 17, 10:10 a. m.	G3 Ch. E.
271	Thursday, Jan. 18, 10:10 a. m.	104 Old Chem.
326	Monday, Jan. 15, 10:10 a. m.	310 Ch. E.
355	Monday, Jan. 15, 3:10 p. m.	104 Old Chem.
363	Thursday, Jan. 18, 8:00 a. m.	202 Ch. E.
379	Tuesday, Jan. 16, 10:10 a. m.	202 Ch. E.
383	Thursday, Jan. 18, 3:10 p. m.	211 Ch. E.
451	Wednesday, Jan. 17, 10:10 a. m.	102 Ch. E.

CIVIL ENGINEERING

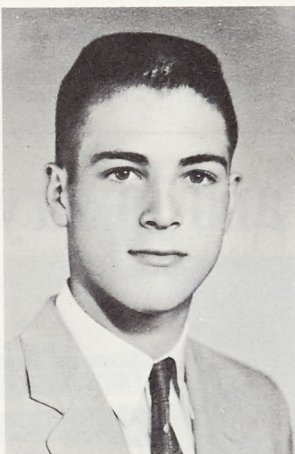
1	Friday, Jan. 19, 3:10 p. m.	114, 117 CE
8A	Monday, Jan. 15, 10:10 a. m.	119 CE
8C	Tuesday, Jan. 16, 10:10 a. m.	119 CE
49A	Thursday, Jan. 18, 3:10 p. m.	114 CE
49B	Friday, Jan. 19, 10:10 a. m.	114, 119, 120 CE
49C	Friday, Jan. 19, 1:00 p. m.	119 CE
49D	Wednesday, Jan. 17, 1:00 p. m.	119 CE
49F	Wednesday, Jan. 17, 1:00 p. m.	114 CE
61A	Thursday, Jan. 18, 3:10 p. m.	220 CE
61B	Wednesday, Jan. 17, 1:00 p. m.	117 CE
61C	Wednesday, Jan. 17, 1:00 p. m.	117 CE
61D	Wednesday, Jan. 17, 10:10 p. m.	203 CE
102A	Monday, Jan. 15, 10:10 a. m.	114 CE
102B	Friday, Jan. 19, 10:10 a. m.	117 CE
102C	Thursday, Jan. 18, 10:10 a. m.	117 CE
111A	Wednesday, Jan. 17, 10:10 a. m.	114 CE
111B	Friday, Jan. 19, 10:10 a. m.	218 CE
111C	Friday, Jan. 19, 1:00 p. m.	117 CE
116A	Thursday, Jan. 18, 10:10 a. m.	119 CE
116B	Monday, Jan. 15, 3:10 p. m.	120 CE
116C	Tuesday, Jan. 16, 10:10 a. m.	120 CE
116D	Friday, Jan. 19, 1:00 p. m.	120 CE
121A	Wednesday, Jan. 17, 10:10 a. m.	313 CE
121B	Thursday, Jan. 18, 10:10 a. m.	302 CE
121C	Monday, Jan. 15, 1:00 p. m.	314 CE
125A	Thursday, Jan. 18, 3:10 p. m.	302 CE
125B	Monday, Jan. 15, 3:10 p. m.	314 CE
125C	Monday, Jan. 15, 1:00 p. m.	315 CE
131A	Monday, Jan. 15, 10:10 a. m.	117 CE
131B	Tuesday, Jan. 16, 10:10 a. m.	117 CE
131C	Thursday, Jan. 18, 10:10 a. m.	114 CE
131D	Monday, Jan. 15, 3:10 p. m.	117 CE
215A	Wednesday, Jan. 17, 10:10 a. m.	120 CE
215B	Thursday, Jan. 18, 3:10 p. m.	201 CE
215C	Thursday, Jan. 18, 1:00 p. m.	120 CE
221A	Tuesday, Jan. 16, 10:10 a. m.	302 CE
221B	Thursday, Jan. 18, 1:00 p. m.	313 CE



"M" Club Selects Outstanding Athlete

John Brown was selected by the M club as the outstanding athlete for the month of October.

John is a Junior majoring in Mining Engineering. He graduated from Aurora Senior High school in Jenkins, Missouri. He



JOHN BROWN

is married to the former Patsy Lee Raines of Verona.

During his three years at MSM John has been an outstanding member of the track and cross country teams. He has earned three letters in cross country and two in track. John has been particularly outstanding this season. He broke the MSM course record in a meet against Lincoln and placed first against Cape Girardeau, Westminster, Springfield, and Washington University.

Since he came to MSM, John has been very active in campus activities. He is a member of Sigma Tau Gamma social fraternity and has been active in the M club. John was initiated into Tau Beta Pi this semester. He has been a student assistant in both the Mining Department and Physical Education.

A reformer went into a barber-shop to get a shave. It so happened that the barber was gloriously plastered on corn liquor, which caused him to make several bad cuts on the reformer's face. Whereupon, the latter, ever alert to call attention to the evils of drink, said, "Now, you see what booze does!"

"Yessir," replied the barber, genially, "it sure does make the skin tender!"

CIVIL ENGINEERING (Cont.)

Course No.	Time of Examination	Room
223A	Monday, Jan. 15, 10:10 a. m.	302 CE
223B	Tuesday, Jan. 16, 10:10 a. m.	313 CE
229A	Thursday, Jan. 18, 10:10 a. m.	120 CE
229B	Friday, Jan. 19, 10:10 a. m.	219 CE
229C	Monday, Jan. 15, 1:00 p. m.	117 CE
231A	Wednesday, Jan. 17, 10:10 a. m.	219 CE
231B	Thursday, Jan. 18, 3:10 p. m.	219 CE
231C	Friday, Jan. 19, 1:00 p. m.	217 CE
235A	Monday, Jan. 15, 10:10 a. m.	201 CE
235B	Thursday, Jan. 18, 10:10 a. m.	220 CE
235C	Monday, Jan. 15, 3:10 p. m.	201 CE
243A	Thursday, Jan. 18, 3:10 p. m.	117 CE
243B	Friday, Jan. 19, 10:10 a. m.	301 CE
315	Wednesday, Jan. 17, 1:00 p. m.	217 CE
323	Monday, Jan. 15, 1:00 p. m.	313 CE
362	Wednesday, Jan. 17, 10:10 a. m.	201 CE

ELECTRICAL ENGINEERING

31	Tuesday, Jan. 16, 3:10 p. m.	101, 102 EE
41	Tuesday, Jan. 16, 3:10 p. m.	114 CE
55	Friday, Jan. 19, 10:10 a. m.	G11 EE
123A	Tuesday, Jan. 16, 10:10 a. m.	105 EE
123B	Thursday, Jan. 18, 3:10 p. m.	105 EE
133A	Tuesday, Jan. 16, 10:10 a. m.	G11 EE
133B	Thursday, Jan. 18, 3:10 p. m.	G11 EE
135	Tuesday, Jan. 16, 3:10 p. m.	105 EE
141A	Thursday, Jan. 18, 10:10 a. m.	G11 EE
141B	Friday, Jan. 19, 10:10 a. m.	G10 EE
141C	Monday, Jan. 15, 10:10 a. m.	G11 EE
141D	Friday, Jan. 19, 3:10 p. m.	G11 EE
171	Tuesday, Jan. 16, 3:10 p. m.	107 Min., 102 Old Cafe
173A	Monday, Jan. 15, 10:10 a. m.	103 EE
173B	Monday, Jan. 15, 3:10 p. m.	G11 EE
175A	Wednesday, Jan. 17, 10:10 a. m.	105 EE
175B	Friday, Jan. 19, 10:10 a. m.	103 EE
175C	Thursday, Jan. 18, 8:00 a. m.	103 EE
177B	Thursday, Jan. 18, 1:00 p. m.	G11 EE
241A	Monday, Jan. 15, 3:10 p. m.	G10 EE
241B	Thursday, Jan. 18, 10:10 a. m.	G10 EE
251A	Wednesday, Jan. 17, 10:10 a. m.	G11 EE
251B	Monday, Jan. 15, 3:10 p. m.	105 EE
261A	Thursday, Jan. 18, 10:10 a. m.	105 EE
261B	Monday, Jan. 15, 10:10 a. m.	G10 EE
261C	Thursday, Jan. 18, 3:10 p. m.	G10 EE
261D	Tuesday, Jan. 16, 10:10 a. m.	G10 EE
263A	Tuesday, Jan. 16, 10:10 a. m.	220 EE
263B	Thursday, Jan. 18, 3:10 p. m.	220 EE
275	Tuesday, Jan. 16, 3:10 p. m.	G10, G11 220 EE
277A	Thursday, Jan. 18, 10:10 a. m.	220 EE
277B	Monday, Jan. 15, 10:10 a. m.	105 EE
317	Monday, Jan. 15, 1:00 p. m.	105 EE
357	Friday, Jan. 19, 10:10 a. m.	102 EE
359A	Wednesday, Jan. 17, 10:10 a. m.	220 EE
359B	Thursday, Jan. 18, 3:10 p. m.	104 EE
365	Thursday, Jan. 18, 1:00 p. m.	105 EE
375	Thursday, Jan. 18, 10:10 a. m.	104 EE
377	Monday, Jan. 15, 3:10 p. m.	220 EE
463	Monday, Jan. 15, 10:10 a. m.	107 EE
479	Monday, Jan. 15, 8:00 a. m.	106 EE

GEOLOGY

50	Thursday, Jan. 18, 10:10 a. m.	102 Nor.
	OR	
	Friday, Jan. 19, 10:10 a. m.	102 Nor.
	Monday, Jan. 15, 10:10 a. m.	107 Nor.
	Tuesday, Jan. 16, 10:10 a. m.	302 Nor.
	Thursday, Jan. 18, 3:10 p. m.	209 Nor.
	Thursday, Jan. 18, 8:00 a. m.	305 Nor.
	Wednesday, Jan. 17, 3:10 p. m.	302 Nor.
	Wednesday, Jan. 17, 1:00 p. m.	302 Nor.
	Wednesday, Jan. 17, 10:10 a. m.	302 Nor.
	Thursday, Jan. 18, 10:10 a. m.	302 Nor.
	Tuesday, Jan. 16, 10:10 a. m.	207 Nor.
	Thursday, Jan. 18, 8:00 a. m.	207 Nor.
	Friday, Jan. 19, 8:00 a. m.	207 Nor.
	Thursday, Jan. 18, 10:10 a. m.	107 Nor.
	Thursday, Jan. 18, 3:10 p. m.	308 Nor.
	Monday, Jan. 15, 10:10 a. m.	207 Nor.
	Thursday, Jan. 18, 10:10 a. m.	207 Nor.
	Friday, Jan. 19, 10:10 a. m.	207 Nor.
	Monday, Jan. 15, 10:10 a. m.	311 Nor.
	Thursday, Jan. 18, 3:10 p. m.	207 Nor.
	See Instructor	
	See Instructor	
	See Instructor	
	See Instructor	

ENGLISH

1	Wednesday, Jan. 17, 3:10 p. m.	See Instructor
2A	Thursday, Jan. 18, 10:10 a. m.	Rolla Building
2B	Thursday, Jan. 18, 1:00 p. m.	Rolla Building
51A	Tuesday, Jan. 16, 10:10 a. m.	Rolla Building
51B	Friday, Jan. 19, 10:10 a. m.	Rolla Building
75A	Tuesday, Jan. 16, 10:10 a. m.	Rolla Building
75B	Thursday, Jan. 18, 1:00 p. m.	Rolla Building

2, FINAL EXAMINATION SCHEDULE

ENGLISH (Continued)

105A	Monday, Jan. 15, 10:10 a. m.	Rolla Building
105B	Friday, Jan. 19, 10:10 a. m.	Rolla Building
105C	Thursday, Jan. 18, 1:00 p. m.	Rolla Building
105D	Friday, Jan. 19, 8:00 a. m.	Rolla Building
105E	Thursday, Jan. 18, 3:10 p. m.	Rolla Building
110A	Monday, Jan. 15, 3:10 p. m.	Rolla Building
110B	Wednesday, Jan. 17, 3:10 p. m.	Rolla Building
125	Wednesday, Jan. 17, 10:10 a. m.	Rolla Building
150	Thursday, Jan. 18, 3:10 p. m.	Rolla Building
170A	Thursday, Jan. 18, 3:10 p. m.	Rolla Building
170B	Thursday, Jan. 18, 1:00 p. m.	Rolla Building
170C	Friday, Jan. 19, 8:00 a. m.	Rolla Building

FRENCH

1 See Instructor

GERMAN

1A	Thursday, Jan. 18, 10:10 a. m.	Rolla Building
1B	Thursday, Jan. 18, 1:00 p. m.	Rolla Building
2	Tuesday, Jan. 16, 10:10 a. m.	Rolla Building
3	Monday, Jan. 15, 3:10 p. m.	Rolla Building
4	See Instructor	
401	See Instructor	

SPANISH

1	Monday, Jan. 15, 3:10 p. m.	Rolla Building
2	Thursday, Jan. 18, 3:10 p. m.	Rolla Building
3	Wednesday, Jan. 17, 10:10 a. m.	Rolla Building
4	Friday, Jan. 19, 10:10 a. m.	Rolla Building

ECONOMICS

100A	Monday, Jan. 15, 10:10 a. m.	Rolla Building
100B	Tuesday, Jan. 16, 10:10 a. m.	Rolla Building
100C	Thursday, Jan. 18, 3:10 p. m.	Rolla Building
100D	Thursday, Jan. 18, 10:10 a. m.	Rolla Building
100E	Thursday, Jan. 18, 8:00 a. m.	Rolla Building
100F	Friday, Jan. 19, 8:00 a. m.	Rolla Building
201A	Tuesday, Jan. 16, 10:10 a. m.	Rolla Building
201B	Wednesday, Jan. 17, 10:10 a. m.	Rolla Building
201C	Monday, Jan. 15, 3:10 p. m.	Rolla Building
201D	Friday, Jan. 19, 8:00 a. m.	Rolla Building
314	Monday, Jan. 15, 10:10 a. m.	Rolla Building
315	Thursday, Jan. 18, 1:10 a. m.	Rolla Building
356	Friday, Jan. 19, 10:10 a. m.	Rolla Building

HISTORY

160A	Monday, Jan. 15, 10:10 a. m.	Rolla Building
160B	Tuesday, Jan. 16, 10:10 a. m.	Rolla Building
160C	Wednesday, Jan. 17, 10:10 a. m.	Rolla Building
160D	Thursday, Jan. 18, 10:10 a. m.	Rolla Building
160E	Thursday, Jan. 18, 1:00 p. m.	Rolla Building
160F	Friday, Jan. 19, 8:00 a. m.	Rolla Building

PSYCHOLOGY

151	Thursday, Jan. 18, 1:00 p. m.	Rolla Building
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RELIGION

103	Monday, Jan. 15, 3:10 p. m.	Baptist Center
107	See Instructor	St. Patrick's School

SOCIOLOGY

181	Thursday, Jan. 18, 3:10 p. m.	Rolla Building
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MATHEMATICS

3	Monday, Jan. 15, 8:00 a. m.	See Instructor
5	Monday, Jan. 15, 8:00 a. m.	See Instructor
8	Monday, Jan. 15, 8:00 a. m.	See Instructor
21	Wednesday, Jan. 17, 8:00 a. m.	See Instructor
22	Wednesday, Jan. 17, 8:00 a. m.	See Instructor
73A	Friday, Jan. 19, 1:00 p. m.	See Instructor
73B	Wednesday, Jan. 17, 1:00 p. m.	See Instructor
201	Wednesday, Jan. 17, 3:10 p. m.	See Instructor
310	Thursday, Jan. 18, 10:10 a. m.	See Instructor
318	Wednesday, Jan. 17, 3:10 p. m.	See Instructor
322	Thursday, Jan. 18, 3:10 p. m.	See Instructor
325	Wednesday, Jan. 17, 10:10 a. m.	See Instructor
331	Thursday, Jan. 18, 8:00 a. m.	See Instructor
336	Monday, Jan. 15, 3:10 p. m.	See Instructor
346	Wednesday, Jan. 17, 10:10 a. m.	See Instructor
351	Thursday, Jan. 18, 1:00 p. m.	See Instructor
357	Thursday, Jan. 18, 10:10 a. m.	See Instructor
405	Monday, Jan. 15, 1:00 p. m.	See Instructor

MECHANICS

51	Monday, Jan. 15, 8:00 a. m.	See Instructor
102	Monday, Jan. 15, 8:00 a. m.	See Instructor
103	Wednesday, Jan. 17, 8:00 a. m.	See Instructor
105	Wednesday, Jan. 17, 10:10 a. m.	Old Met Building
203	Wednesday, Jan. 17, 10:10 a. m.	Old Met Building

BIOCHEMISTRY

(Continued From Page 1)

dents to prepare themselves to teach in the nation's colleges and universities and to encourage further development in graduate fields.

Dr. Thompson stressed the importance of Engineering Biochemistry (and in particular Industrial Microbiology) in the everyday life of society and the need for qualified teachers in this area. Dr. Thompson explained that this field includes complex chemicals, an area involving in one aspect the use of fermentation, and an example of this is penicillin. Other areas in this field involve the control of industrial wastes so that water, the nation's number one natural resource, is not contaminated, and the use of biochemical research to provide new biological warfare agents.

These fellowship grants mark the third year that MSM and the University of Missouri have participated in the National Defense Education Act Program. At present there are fifty fellowships at the University of Missouri at Columbia and ten at the School of Mines and Metallurgy at Rolla which were begun either in 1960-61 or 1961-62. Additional graduate fellowships have been established for the 1962-63 academic year at both MSM and Columbia campuses which will total an additional 28 fellowships. At MSM this new figure will include 3 fellowships in Engineering Biochemistry and 2 in Engineering Physics.

DEMAND FOR ENGINEERS

(Continued From Page 1)

ted demand for engineers. The most recent of these is the National Science Foundation estimate of an average annual (1961-1970) demand for 81,000 engineers (contrast our present 37,000 graduates). The Commission has not yet accepted this high figure, but concurs that the nation's requirements will increase. A new "Demand for Engineers" survey presently underway, will help to determine EMC's own estimate of how much demand for engineers will increase.

There is little doubt that the glamour sciences are drawing away some students who might otherwise have taken engineering, but it hardly seems possible that this alone could account for the drop in the relative standing of engineering freshmen. The argument becomes somewhat academic because projected supply of scientists during the next decade (according to NSF study) will just equal the demand. The need is not to take from science and give to engineering, but to increase engineering enrollments while maintaining science at its present level of growth.

(Reprinted from the "Engineer," Vol. II, No. 3)

A rather large lady had been put on a diet by her Doctor. She had been dieting only a few days when a friend dropped in and was amazed to behold her tackling, with great appetite, a large potato pie.

"I thought you were on a diet," said the visitor.

"I am," was the reply, "but I've had my diet, and now I'm having my dinner."

MECHANICS (Cont.)

Course No.	Time of Examination	Room
302	Thursday, Jan. 18, 3:10 p. m.	Old Met Building
303	Friday, Jan. 19, 1:00 p. m.	Old Met Building
403	Monday, Jan. 15, 1:00 p. m.	Old Met Building
407	Thursday, Jan. 18, 10:10 a. m.	Old Met Building

MECHANICAL ENGINEERING

107	Friday, Jan. 19, 1:00 p. m.	111 Min.
110	Saturday, Jan. 20, 8:00 a. m.	104, 103, 104 Old Cafe
121A	Monday, Jan. 15, 10:10 a. m.	305 Nor.
121B	Tuesday, Jan. 16, 10:10 a. m.	212 Ful.
121C	Thursday, Jan. 18, 3:10 p. m.	305 Nor.
121D	Saturday, Jan. 20, 10:10 a. m.	102 Nor.
121E	Monday, Jan. 15, 3:10 p. m.	217 Ful.
121F	Thursday, Jan. 18, 8:00 a. m.	217 Ful.
121G	Saturday, Jan. 20, 10:10 a. m.	102 Nor.
123	Wednesday, Jan. 17, 10:10 a. m.	217 Ful.
171A	Tuesday, Jan. 16, 10:10 a. m.	201 ME
171B	Thursday, Jan. 18, 10:10 a. m.	201 ME
171C	Thursday, Jan. 18, 1:00 p. m.	201 ME
177	Thursday, Jan. 18, 3:10 p. m.	122 Min.
191	Thursday, Jan. 18, 1:00 p. m.	117 Min.
201A	Monday, Jan. 15, 10:10 a. m.	302 Nor.
201B	Thursday, Jan. 18, 3:10 p. m.	104 Old Chem.
201C	Thursday, Jan. 18, 1:00 p. m.	217 Ful.
203	Saturday, Jan. 20, 8:00 a. m.	Draw Department
211A	Thursday, Jan. 18, 3:10 p. m.	M1 ME
211B	Friday, Jan. 19, 10:10 a. m.	M1 ME
211C	Monday, Jan. 15, 3:10 p. m.	M1 ME
221A	Tuesday, Jan. 16, 10:10 a. m.	305 Nor.
221B	Friday, Jan. 19, 1:00 p. m.	305 Nor.
251A	Tuesday, Jan. 16, 10:10 a. m.	211 Ful.
251B	Thursday, Jan. 18, 10:10 a. m.	206 Nor.
315	Friday, Jan. 19, 1:00 p. m.	211 Ful.
341	Thursday, Jan. 18, 10:10 a. m.	212 Ful.
351	Wednesday, Jan. 17, 10:10 a. m.	103 Nor.
401	Monday, Jan. 15, 3:10 p. m.	211 Ful.
402	Wednesday, Jan. 17, 8:00 a. m.	212 Ful.

METALLURGY

101	Wednesday, Jan. 17, 10:10 a. m.	102 Old Cafe
113A	Thursday, Jan. 18, 3:10 p. m.	217, G10 Ful.
113B	Friday, Jan. 19, 1:00 p. m.	217 Ful.
205	Tuesday, Jan. 16, 10:10 a. m.	217 Ful.
207	Friday, Jan. 19, 10:10 a. m.	217 Ful.
215	Thursday, Jan. 18, 3:10 p. m.	G6 Ch. E.
241	Wednesday, Jan. 17, 10:10 a. m.	211 Ful.
251	Thursday, Jan. 18, 3:10 p. m.	211 Ful.
253	Thursday, Jan. 18, 10:10 a. m.	217 Ful.
303	See Instructor	
305	Monday, Jan. 15, 10:10 a. m.	217 Ful.
341	Tuesday, Jan. 16, 10:10 a. m.	G10 Ful.
361	Wednesday, Jan. 17, 10:10 a. m.	G10 Ful.
403	Friday, Jan. 19, 1:00 p. m.	103 Ful.
407	Monday, Jan. 15, 10:10 a. m.	G10 Ful.

MILITARY

10	Tuesday, Jan. 16, 1:00 p. m.	See Instructor
30	Tuesday, Jan. 16, 1:00 p. m.	See Instructor
105	Tuesday, Jan. 16, 1:00 p. m.	See Instructor
107	Tuesday, Jan. 16, 1:00 p. m.	See Instructor

MINING

100	Thursday, Jan. 18, 10:10 a. m.	122 Min.
102	Friday, Jan. 19, 1:00 p. m.	107 Min.
131	Wednesday, Jan. 17, 10:10 a. m.	122 Min.
216	Friday, Jan. 19, 1:00 p. m.	117 Min.
219	Tuesday, Jan. 18, 3:10 p. m.	122 Min.
225	Monday, Jan. 15, 10:10 a. m.	122 Min.
241	Thursday, Jan. 18, 3:10 p. m.	117 Min.
251	Monday, Jan. 15, 1:00 p. m.	117 Min.
261	Wednesday, Jan. 17, 10:10 a. m.	117 Min.
285	Thursday, Jan. 18, 3:10 p. m.	111 Min.
307	Tuesday, Jan. 16, 10:10 a. m.	107 Min.
310	Tuesday, Jan. 16, 10:10 a. m.	117 Min.
323	Monday, Jan. 15, 1:00 p. m.	111 Min.
329	Monday, Jan. 15, 1:00 p. m.	122 Min.
335	Thursday, Jan. 18, 10:10 a. m.	117 Min.
340	Wednesday, Jan. 17, 10:10 a. m.	111 Min.
343	Thursday, Jan. 18, 10:10 a. m.	See Instructor
344	Friday, Jan. 19, 10:10 a. m.	117 Min.
385	Monday, Jan. 15, 3:10 p. m.	111 Min.
486	See Instructor	

PHYSICS

21	Tuesday, Jan. 16, 8:00 a. m.	See Instructor
25	Tuesday, Jan. 16, 8:00 a. m.	See Instructor
251	Tuesday, Jan. 16, 8:00 a. m.	See Instructor
301	Friday, Jan. 19, 10:10 a. m.	206 Nor.
311	Tuesday, Jan. 16, 10:10 a. m.	102 Nor.
331	Monday, Jan. 15, 10:10 a. m.	102 Nor.
351	Wednesday, Jan. 17, 10:10 a. m.	206 Nor.
361	Wednesday, Jan. 17, 10:10 a. m.	305 Nor.
381	Thursday, Jan. 18, 3:10 p. m.	107 Nor.
401	Thursday, Jan. 18, 10:10 a. m.	305 Nor.
423	Thursday, Jan. 18, 10:10 a. m.	103 Nor.
453	See Instructor	
461	Friday, Jan. 19, 10:10 a. m.	103 Nor.
471	Tuesday, Jan. 16, 10:10 a. m.	103 Nor.

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Instruction in Engineering Biochemistry Offered at MSM

Instruction in Engineering Biochemistry on the doctoral level began at the Missouri School of Mines and Metallurgy in 1961. This important field includes the study and use of complex chemicals (penicillin is a recent example), the study and control of industrial wastes to preserve the nation's water supply, and the study and development of biological warfare agents.

James N. Click, 1457 East Lindberg, Springfield, Missouri, is one of three students enrolled in graduate study on the doctoral level in the field of Engineering Biochemistry on a fellowship provided by the National Defense Education Act at the Missouri School of Mines and Metallurgy. Click began work in this field in the Department of Chemistry and Chemical Engineering at the Missouri School of Mines and Metallurgy in September 1961.

Click is a 1955 graduate of West Plains High School, attended the University of Missouri from 1955 to 1957 and from 1957 to 1960 attended Southwest Missouri State College from which he received the Bachelor of Science Degree in Chemistry. He has been employed by the Hoffman-Taft Laboratories, Inc., of Springfield and he is a member of the American Chemical Society.

Thomas John Good, 5029 Morewood, Pittsburg, Pennsylvania, is enrolled in graduate study on the doctoral level in the field of Engineering Biochemistry at the Missouri School of Mines and Metallurgy under a fellowship provided by the National Defense Education Act. One of three students selected by the National Defense Education Act provisions to study in this field at the Missouri School of Mines and Metallurgy, Good began work in the semester which began in September 1961.

Good graduated from Cathedral Prep School of Erie, Pennsylvania in June 1957 and received his Bachelor of Science degree in Chemical Engineering in June 1961 from Carnegie Institute of Technology. He is a member of the American Institute of Chemical Engineers and Phi Kappa Theta.

Robert Murray Logan, 7 Grandview Drive, Belleville, Illinois, is enrolled for study on the doctoral level in the field of Engineering Biochemistry on a fellowship provided by the National Defense Education Act at the Missouri School of Mines and Metallurgy. Logan began work in this field in the Department of Chemistry and Chemical Engineering at MSM last fall.

Logan attended Belleville Junior College and received the degree of Bachelor of Science in Chemical Engineering from the Missouri School of Mines and Metallurgy in 1961. At Belleville Junior College he was active in Phi Theta Kappa and at MSM he has been active in Tau Beta Pi, Phi Kappa Phi and the American Institute of Chemical Engineers.

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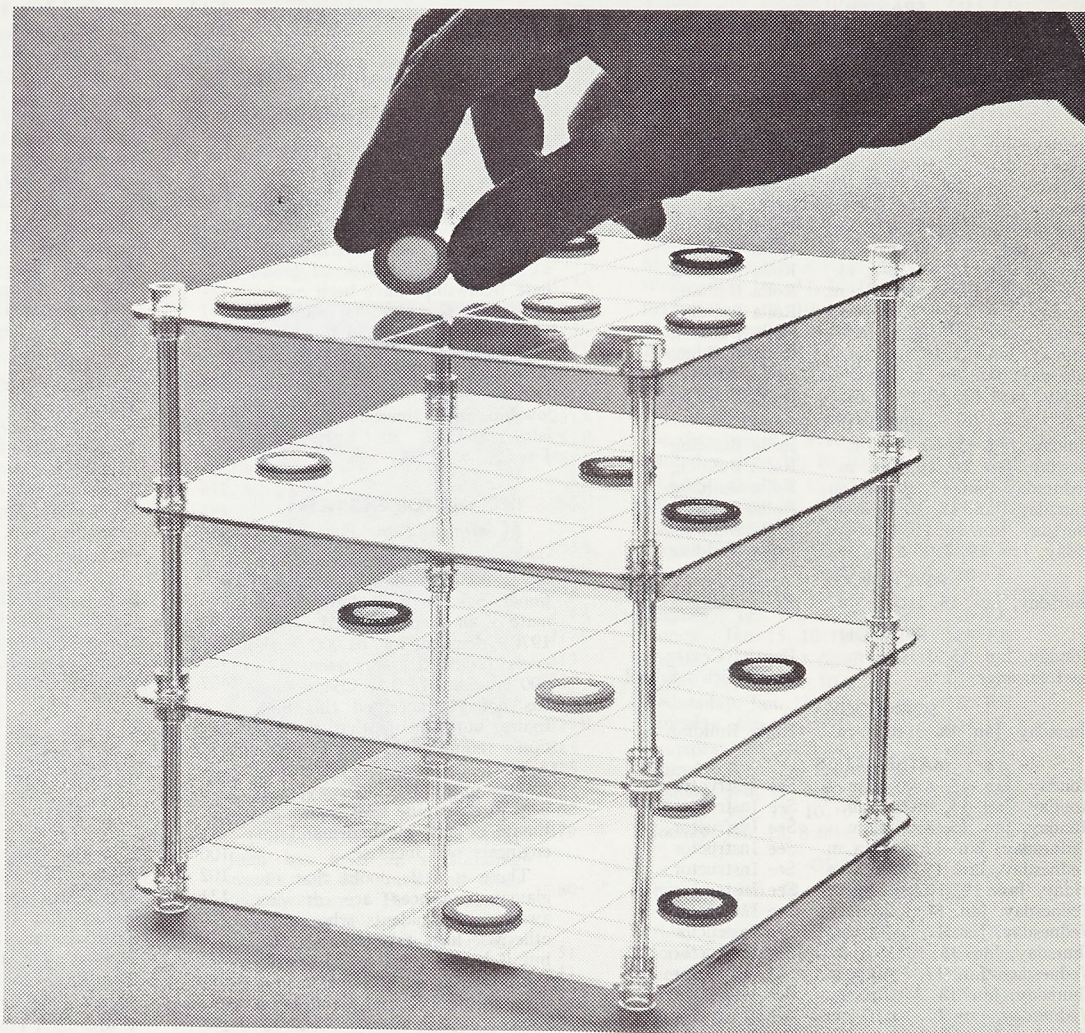


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IBM will interview Feb. 6, 7.

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Thurs., Fri., Sat. Jan. 11-13

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John McCarthy & Susan Travers

Sun., Mon., Tues. Jan. 14-16

Sunday Continuous from 1 p. m.

'Parrish'

Troy Donahue & Claudette Colbert

Wed., Thurs. Jan. 17-18

'Love in a Goldfish Bowl'

Tommy Sands & Fabian

—PLUS—

'Dr. Blood's Coffin'

Hazel Court & Dan Hunter

Three Miners Win Help From George A. Easley

Recipients are announced for this academic year for the Laura and George Easley Scholarships at the Missouri School of Mines and Metallurgy. George A. Easley, a graduate of the Missouri School of Mines and Metallurgy in 1909, and his wife, Laura, have provided a fund, the income from which provides several scholar-

ships to incoming freshmen, renewable as sophomores.

Recipients include:

Donald Roy Eagleman, son of Roy T. Eagleman, Hocomo, Mo., a graduate of West Plains High School. Eagleman is a sophomore majoring in physics and holds the Curators Award and is on the Dean's Honor List.

Dennis Wayne Painter, son of Mrs. Thelma R. Painter, 367 Beckett Street, Lebanon, Mo., a graduate of Lebanon High School. Painter is a sophomore majoring in Chemical Engineering, has received the Curators Award and is a member of the Photo Club, the 59ers Club and the student chapter of the American Institute of Chemical Engineers.

Wilbur Curt Deegan, son of Wilbur E. Deegan, 1840 Bolser, Trenton, Mo., a graduate of Trenton High School. Deegan is a freshman majoring in electrical engineering.

Alumni Give Scholarships to Two Deserving Sophomores

Recipients have been selected for the Student Educational and Loan Foundation Scholarships for the 1961-62 school year at the Missouri School of Mines and Metallurgy. The scholarships were established in 1948 by alumni of the Missouri School of Mines and Metallurgy and these scholarships are awarded to freshmen or sophomores on the basis of attainment.

Recipients include: **Richard Edgar Dudley**, Darrensburg, Mo., a sophomore majoring in Chemical Engineering and the son of Mr. and Mrs. Richard Dudley, Route 4, Warrensburg, Mo. Dudley is a member of the student chapter of the American Institute of Chemical Engineers. A consistent honor student, he has completed 55 semester hours work with 184 grade points for an overall average of 3.34.

David Soellner Jones, University City, Mo., a sophomore ma-

joring in Civil Engineering and the son of Mrs. Paul S. Jones, 7726 Canton, University City, Missouri. Jones is a member of Kappa Alpha Fraternity and a member of the Miner Board.

Don Bugg Gets Some Alumni Aid

Donald Armin Bugg, son of Armin A. Bugg, 5835 Stanley, Affton, Missouri, has been named recipient of the St. Louis Section MSM Alumni Scholarship for this academic year. Bugg, a graduate of Affton High School, is a freshman majoring in the Department of Chemical Engineering at the Missouri School of Mines and Metallurgy.

The St. Louis Section of the Missouri School of Mines and Metallurgy Alumni Association sponsors this scholarship for a freshman who is a male graduate of a high school in the St. Louis area with interest in engineering or applied science who holds high rank on aptitude testing.

Lucy Wortham James Scholarships

The winners of the three Lucy Wortham James Scholarships at Missouri School of Mines and Metallurgy for 1961-62 were announced by Dean Curtis L. Wilson who presented the scholarship checks. The winners are Frank John Cuzze, Virgil E. Meredith and Glen Allen Vaughn.

For a number of years these scholarships have been made available by the trustees of the estate of Lucy Wortham James in memory of the James family, pioneer iron smelters and operators of the Meramec Iron Works near St. James, Missouri.

MISSOURI

Lebanon: Glen Allen Vaughn, son of Mr. and Mrs. Melvin T. Vaughn, 448 West Third, is a sophomore in the Department of Electrical Engineering. He has passed 39 hours with 123 grade points for a 3.15 overall average. Vaughn entered school on a Curators Award and has since been on the Dean's Honor List consistently. He received the Red Fourrere award, and was also a member of the 59ers club during his freshman year in college.

Sedalia: Virgil E. Meredith, son of Mr. and Mrs. Russell R. Meredith, Route 4, is a junior majoring in Physics and has passed 2 hours with 260 grade points for a 3.17 overall average. He is the recipient of the Sedalia Milmen's Scholarship, has consistently been on the Dean's Honor List, and is a member of honor fraternities Sigma Pi Sigma and Kappa Mu Epsilon.

NEW YORK

West Islip: Frank John Cuzze, the son of Mr. and Mrs. Frank John Cuzze, Sr., 41 Doncaster avenue. He is a sophomore in the Department of Metallurgical Engineering and has passed 38 hours with 114 grade points for an overall average of 3.00. He has consistently been on the Dean's Honor List, and last year served as student assistant in the MSM cafeteria.

La Verne Noyes Scholarships

Duane Ellsworth Cox, son of Duane Cox, 2026 West 6th Street, Davenport, Iowa, has been named recipient of the La Verne Noyes scholarship for this academic year at the Missouri School of Mines and Metallurgy. Cox is a freshman majoring in electrical engineering and is a graduate of West High School. The scholarship provides for library, hospital and incidental fees and is open to outstanding students who are descendants by blood of persons who have had service in the army or navy of the United States in World War I.

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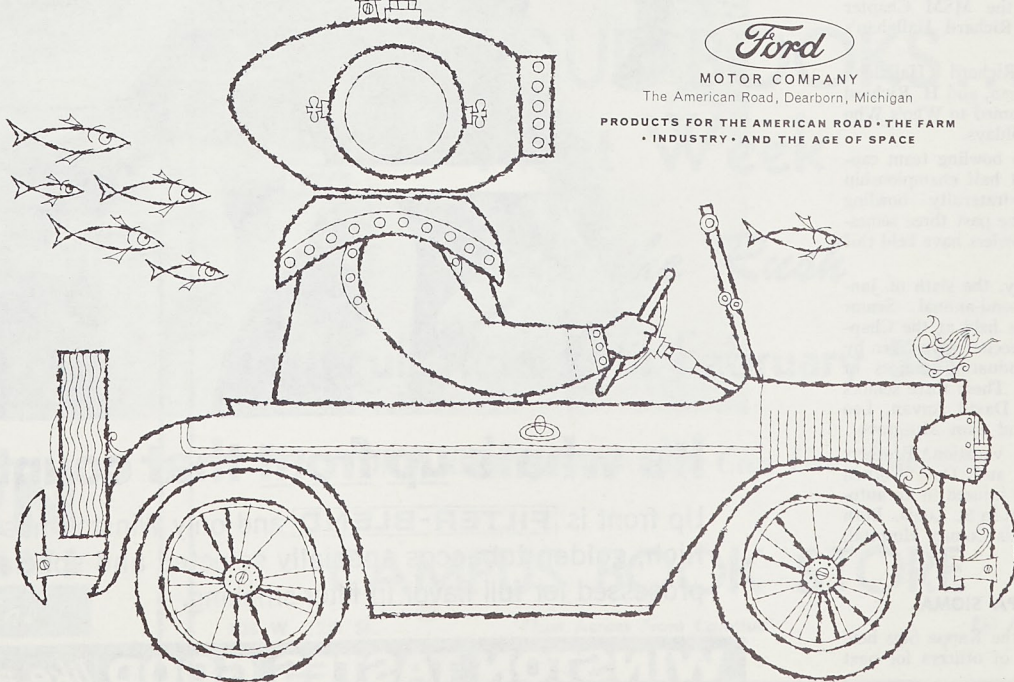
Out of it all comes knowledge of how to build better cars—cars that are built to last longer, require less care, and retain their value better. This constant aiming for perfection is just one more way in which research and engineering are earning for Ford Motor Company its place of leadership.

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Fraternities Brace for Finals

ACACIA

Activity at Acacia has slowed to the usual dull MSM drag after the dissipation of the holiday spirits. Many interesting things occurred over the Christmas break.

Smaltze and Mole found the true meaning of a stop sign. Toothless John has a new way to stir drinks, and Floyd had a piercing experience with a hat pin.

Plans are being made for Acacia's annual Black and Gold Formal to be held the weekend of February 17th. The theme of the dance will be centered around the traditional selection of Acacia's Chapter Sweetheart. Our present Sweetheart is the former Miss Barbara Sharp who is married to Brother Jerry Church, a Senior in Civil Engineering.

The pledges are anxiously anticipating the festivities early next semester — and so are the actives.

PI KAPPA ALPHA

As finals quickly approach, the Pike house has seen some very incongruous happenings. In every area of the house the brothers can be found diligently studying in preparation for "the week of truth" — Finals.

One of the most welcome visitors of the last few weeks to the Pike house was the public relations man of a large midwestern brewery. On Friday night, January 5, he visited the house and lectured on the art of brewing beer. Visual aids in the form of a color movie accompanied the lecture. After the movie a "taste aid" was employed in clinching the appreciation of the subject at hand. Everyone agreed that it was an interesting and informative evening. Later in the evening Brother Bob Wolf, our illustrious alumnus counselor, sponsored an impromptu "Pizza Party." The party was of short duration as ten pizzas were devoured by twenty ravenous brothers.

SIGMA PHI EPSILON

The New Year was heralded in by a swinging party at the Washington University Sig Ep Chapter's house. The music was provided by a six piece band, "The Swinging Six." This band is to play at the Sweetheart's Dance February 17th. Breakfast was provided by the MSM Chapter at President Richard Hallahan's home.

Brothers Richard Hallahan, Robert Thurman, and H. Richard Miller were named to Who's Who before the holidays.

The Sig Ep bowling team captured the first half championship in the interfraternity bowling league. For the past three semesters Sig Ep bowlers have held this championship.

On Saturday, the sixth of January, the semi-annual Senior Steak Fry was held at the Chapter house. Speeches were given by the three graduating seniors of this semester. These three seniors are Brothers David Anyan, Leo Merryman, and Sam Musgrove.

During the vacation, Brothers Paul Griffin and Dale Cornell were seriously injured in an automobile accident in St. Louis. Both are at St. Louis County Hospital, Room 401.

KAPPA SIGMA

Last week the Kappa Sigs held their election of officers for next

semester. The results of the election are as follows: Clint Clark was elected Grand Master; Bob Elliott was elected Grand Procurator; Jon Hilton was elected Grand Master of Ceremonies; and Jim Warner was elected Grand Treasurer. The members of Kappa Sigma would like to congratulate the above brothers and also Brother Tom Gresham, who was elected president of the Inter-Fraternity Council for a second term. Tom's achievement is considered to be very commendable by all.

Personality Column

On December 23, 1961, Mr. Mike Kearney was married to Miss Nancy Gardner of Kirkwood, Mo. The wedding took place in Kirkwood.

Mr. Charles Blake was married to Miss Priscilla Leedhan of Tallahassee, Fla. The wedding took place in Tallahassee on January 7, 1962.

Both Mr. Kearney and Mr. Blake are 1961 graduates of

MSM and Alumni of Sigma Phi Epsilon Fraternity.

Bill Neel was pinned to Miss Beverly Behle of St. Louis over the holidays.

Bill Sutton was pinned to Miss Judy Collins of St. Louis.

Donald Morton became engaged to Miss Elaine Scheidt of St. Louis.

Bill Sullivan of Kappa Sigma was recently pinned to Anne Lorenz, who is a student nurse at St. John's Hospital in St. Louis.

Gary White, of Kappa Sigma, was engaged to Jacque Leaming, who is from Springfield, during the holidays.

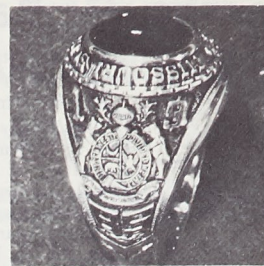
Tom Netzer, of Kappa Sigma was engaged to Carolyn Hubsmith, who is from Springfield and presently a Junior at Webster College in St. Louis.

James Wunderlich of Phi Kappa Theta, of Washington, Mo., was recently engaged to Miss Glenda Ross, also of Washington.

James Tegethoff, of St. Louis, Mo., a 1961 graduate of MSM, and an Alumnus of Phi Kappa Theta, was recently engaged to Miss Phyllis Tucci of St. Louis.

Gerald Bersett, a Phi Kap now residing in St. Louis, was pinned to Miss Linda O'Neill of St. Louis.

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BEARD CONTEST

(Continued From Page 1)

the illustration. The Soup Strainer does not have a mustache.

The third type of beard is the Van Dyke. This beard is just a mustache and goatee and is similar to the beard illustrated on the Sir Walter Raleigh tobacco can.



Soup Strainer

The fourth type, the novelty beard, can be just about anything. It may be colored.

Now is the time to start growing beards for St. Pat's. It is never too early to start! With finals approaching, there is no need to waste time or blades shav-



Van Dyke

ing! Start thinking about St. Pat's now!

T. J. Herrick Chosen "M" Club Advisor

The M Club proudly announces the election of Thomas J. Herrick as faculty advisor. An instructor in the electrical engineering department, Tom is a graduate of MSM. He received his bachelor's degree in 1958.

Well remembered for his athletic prowess on the gridiron, Tom was a four year football letterman while a student at MSM. He was elected an All-Conference guard in 1956, and was co-captain of the Miner eleven in 1957.

He: "If I had a million dollars do you know where I'd be this minute?"

She: "Sure, you'd be on our honeymoon."

PIONEERING

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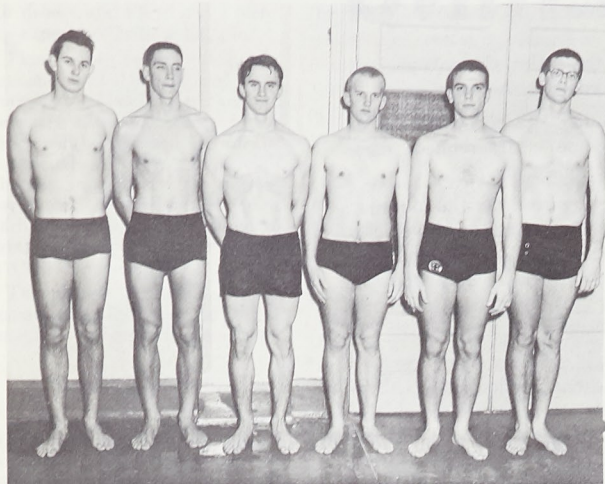
205 W. 12th St.

"Just Across From Campus"

EM 4-3710

Miners Sink Westminster as John Guignon Sets 160 by Medley Record

by Gary Strelbe



Freshmen from left: Carl Ryberg, John Guignon, Bob Kuhlman, Richard Carey, Charles Seger, and Kent Horner.

December 13, the MSM swimming team traveled to Fulton, Mo., where they met with Westminster College. In the swimming meet which followed the Miners sunk Westminster College by 13 points. The final score was Miners 54 and Westminster 41.

Kent Horner, a freshman, was high point man for the Miners, scoring eleven points. John Guignon, another freshman, followed up with ten more points. The Miners' 400 yard medley team consisting of Tom Meitz, Bob Kaduall, Richard Carey, and Richard Greeley won their event. Kent Horner won the 220 yard freestyle with John Graham placing third. Richard Carey took third in the 60 yard sprint. John Guignon won the 160 yard medley, setting a new school record, with Rydberg taking third for the MSM team. MSM took first and second in the diving with Bruns and Bill Lamers showing their skill. The 200 yard butterfly was won by Westminster with the second and third places being taken by the Miners' Kent Horner and Tom Barber. Charles Seger finished third in the 100 yard dash while Westminster copped first and second place. First place men for the Miners are the following: Tom Meitz in the 200 backstroke, John Guignon in the 440, and Bob Kadwell in the 200 yard breaststroke.

SIDELINES

Ed Devine

As intramural basketball draws to a close we find Tech Club, Phi Kappa Theta, and Sigma Nu as league champions. These teams drew straws Tuesday afternoon to determine who was to play in the first game of the play-offs. Tonight the final game of the play-offs will produce the 1962 Basketball Champs.

Next on the intramural calendar is boxing and wrestling which will be held March 6, 7, 8, and 9.

All those who wish to participate must submit to the following rules:

1. Each entry in boxing and wrestling should sign the workout board at the Intramural office. Include FULL NAME, ORGANIZATION, B or W, APPROXIMATE WEIGHT. You will not be given credit for a workout unless your name is on this board. In addition to this you will be checked individually while working out. WORKOUTS SHOULD START NOW.
2. All contestants will be weighed Wednesday, January 31, and Thursday, February 1, between 4 and 6 p. m. At this time you will be checked individually on the weight you expect to lose.
3. There will be eight boxing and wrestling weights: 118, 126, 135, 145, 155, 165, 175, and heavyweight.
4. No overweight or underweight will be permitted. Example: A contestant in the 135 lb. class must weight at least 127 lbs. and not more than 135 lbs. A contestant in the 118 lb. class must weight at least 113 lbs.
5. Each organization is limited to one entry in each weight class.
6. The preliminary bouts in wrestling and boxing will be held Tuesday, Wednesday, and Thursday, March 6, 7, and 8 at 7:30 p. m. Boxing and Wrestling will be run off alternately, starting with the 118 lb. class. The 118 lb. wrestling bout will start at 7:30 and immediately after that the 118 lb. boxing.
7. Each bout will be three, two-minute rounds. The referee will be the sole judge as to the winner.
8. The final bouts will start Friday, March 9 at 7:30 p. m. and will be run off in the same manner as the preliminaries.
9. Please watch the Intramural Bulletin Board for further information and a time schedule for each bout.
10. All contestants must weigh in Monday, March 5, from 8:00 a. m. to 5:30 p. m. in the gym. FAILURE TO WEIGH IN AT THIS TIME WILL DISQUALIFY YOU FOR COMPETITION.
11. A minimum of 18 workouts is required. Be sure to sign the workout chart at the Intramural Office. Also, you must have a physical examination signed by a doctor that was taken within two weeks prior to your fighting or wrestling date. A schedule for physicals at the MSM Hospital will be posted at a later date.

MSM Takes 7th In Xmas Tourney

Southern Illinois University pulled out in front to win the MIA tournament in Cape Girardeau Dec. 27, 28, 29. A total of eight schools were represented and at the end of the three day tourney the totals stacked up in this order:

1. SIU
2. Arkansas Tech.
3. Warrensburg
4. Cape Girardeau
5. Springfield
6. Kirksville
7. MINERS
8. Maryville

Our own Miner roundballers played a total of three games in the tourney, winning the first time over Maryville by a slim four points and then coming back only to be beaten twice. First by Cape with a twelve point margin and then again by Warrensburg who held a staggering 40 point lead. Norman Schuman held the high point honors for the Miners in all three games, with Jim Lemon and Jim Good in second and third place.

MSM Defeated By Wash U.

Seven pool records were broken when Wash. U. beat the Miners 76 to 19 last Wednesday. Pool records were broken on the 400 Medley Relay by Gill, Schoor, Gates, and Canbat; 200 yard Medley by Johnson; 200 yard Butterfly by Wates; 200 yard Backstyle by Gill; 440 yard Free-

WHO'S WHO in Intramurals

by John Lundy

Bob Sieckhaus, the Pikers choice for the intramural man of the week, has contributed a great deal of his time and talent to our intramural sports program. Bob came to MSM from St. Louis Missouri where he attended St. Mary's High School. He is now a junior majoring in Civil Engineering.

His participation in intramurals includes football, basketball, softball, volleyball, and ping pong. Bob is also a member of Pi Kappa Alpha's IFC bowling team. Last year he was a member of Pi Kappa Alpha's league leading basketball team.

Bob is also very active in campus activities. Not only is he a member of the organizations, but he takes a leading part in them. Bob is a member of the Rollamo Staff and he was the Literary Editor and Associate Editor. Also he is a member of Theta Tau and the American Society of Civil Engineering. As a member of Pi Kappa Alpha he held offices as secretary, steward, and next semester he will be the treasurer.

From the preceding it is easy to see why Bob was chosen as Pi Kappa Alpha's representative for "Who's Who in Intramurals."



BOB SIECKHAUS

style by Vuscho; 200 yard Breaststyle by Johnson; and the 400 yard Freestyle Relay by Stereck, Hesse, Hellman, and Canogo. All these records were broken by Washington U. men.

The men who placed for the Miners were Guignon, Hornen, Metz, and Cadwell.

Here's hoping the MSM swimmers do better against Westminster January 10.

They asked the young lady who applied for a job at the school board how long she intended to stay. "From here to maternity," she replied.

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