

Much Action In Automotive Lab

Senior Mechanicals Engage In Research Work

There are few laboratories on Armour's campus that are as busy as the automotive laboratory, where senior mechanicals, under the supervision of Professor Roach, are engaged in research work.

Four men, E. W. Gossweiler, W. A. Hoyer, P. P. Polko, and E. M. Wojtasik, are making a special study of torsional vibrations of gas-engine crank shafts with particular reference to critical speeds. They are also working on the design of the Geiger Torso-graph and the puncture-tape method of recording actual speeds of shafts.

Study Gas Analysis

E. W. McDonough and R. W. Stahl are making a critical study of the methods of gas analysis by use of the Bureau of Mining type of Great apparatus, which permits the accurate measurement of amounts of carbon dioxide, carbon monoxide, oxygen, hydrogen, methane, ethane, and illuminants in a given quantity of gas.

I. A. Kolbe and R. W. Suman are designing a multiple-orifice air meter of sufficient capacity to satisfactorily take care of the air requirements of a new Dodge engine, obtained through the courtesy of Mr. Fred M. Zedler, executive engineer of the Chrysler Corporation. Suman and Kolbe expect to apply the meter to an inspection of the mixture ratio at all engine speeds and loads, a problem involving three variables. The results, instead of being shown in the plane graphical form, will be shown as a surface.

Small Bore Pitot Tube Used

E. J. Schneebalg's research consists in making traverses of a newly designed nozzle, in which he makes use of a Pitot tube of very small bore.

Other Opinions

Emanating as it does from the University of Chicago, the examination does not cause any great surprise. The action is in line with other liberal plans originated under Dr. Hutchins, Chicago's youthful president.

Under this system of examination, to be given a trial in a humanities course final, students will have recourse to their textbooks. Surprisingly, a student might think such a final a snap, but as the instructor points out, a book will be of little use in finding an important fact during a short examination period if the student does not really know his subject. Old-school, pedantic demagogues of learning will undoubtedly call the plan ridiculous. They will not, however, be taking into consideration a fundamental fact which higher educators should have learned long ago—that in a vast number of courses, the essential principles are about all that is retained by the student; important details are remembered only through constant practical association with them.

The conditions under which a student works at college should be as much like those he will encounter in practice as possible. A lawyer does not prepare his arguments from memory, a doctor does not write every prescription without consulting a book, nor do the persuasive speakers draft their oration without reference to documents. They know the broad aspects of a situation; they know of related material. With the aid of a book during an examination, courses would become something more than a tit-tat-tat training in memory. Instead of cramming for a final, the student could devote his time to familiarizing himself with the major principles of his subject. It is conceivable that in doing this, he would benefit more than if he attempted to make his mind a walking thesaurus of knowledge for one day and night.—Minnesota Daily.

Orders Being Taken For Senior Jewelry

All orders for senior jewelry received prior to last Wednesday were filled on that date. Everyone who has received his jewelry so far is well satisfied. A blue onyx stone in yellow gold was acquired by one discriminating senior and is the cynosure of all female orbs. This type of stone is available at no extra cost.

The Honoraries

SPHINX

Honorary Literary Society

March 4, 1907, saw the installation of the second honorary society into the honorary group at Armour Institute of Technology. On this date a group of the executive staff members of the Fulcrum and the Integral formed what is known as Sphinx. As outlined by H. Ralph Badger, founder and first president of Sphinx, the society was formed for the purpose of fostering and promoting the publication work at the Armour Institute of Technology and to serve as an honor society for services rendered to the Institute through its publications.

Publications existing at Armour at the time of the founding of Sphinx were the Fulcrum, a monthly publication which was managed by the sophomore class, and the Integral, the college annual of Armour. These continued until 1909 when a new publication striving for the highest honors in its field was distributed on the Armour campus. Thus the Armour Engineer was placed alongside the Fulcrum and the Integral as official publications of the Institute. Rules and regulations governing the Armour Engineer were formulated and adopted by Sphinx before presentation to the Institute administration. Six years later in 1915 it was found advisable to discontinue the Fulcrum because of the overlapping of material and content of the Armour Engineer.

In 1913 the name of the college annual, the Cycle, was adopted instead of the former title, the Integral. Twelve years later the entire management of the Cycle was revised by the initiative of Sphinx.

February 28, 1928, Sphinx passed a resolution that there should be established at Armour a weekly or bi-weekly newspaper. This proposal was backed by an appropriation of forty-five dollars to cover the expense of the first issue of the paper.

Thus the history of Sphinx is the history of the Armour student publications; they are synonymous.



Membership in Sphinx has been

Social Chairmen Present Opinions

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expenses for the presentation of a dance of high caliber." Reh also said that the committee intends to provide novel entertainment, and that their keynote is "to be different."

Arch's Opinion

The work of the architects social committee has differed from the work of the other social committees in that it has had to satisfy each of the four classes. Walter Sobel, the chairman of this committee, claims that "the maximum price of bids for a school like this is \$1.50," and that "favorable locations can be obtained if they are looked for." He also argues that the dance orchestra need not be well-known since the "fellows have as good a time by just being together."

SIDELINES

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doors, we might all adopt the foregoing.

WITH FAIR weather about to present itself again, the subject of the freshman's green cap puts in its appearance here again. In order that the established custom be upheld, it naturally will fall upon some group other than freshmen to maintain enforcement. Sophomores will, of course, strive to do their part, and in some cases overdo it. Remember, there exists a special committee of upperclassmen, created last fall for the sole purpose of enforcing the rules governing freshmen activities. Violators should be referred to the student committee—violence must be omitted.

granted to two hundred thirty-seven men of Armour Institute. Senior and junior students of Armour who hold a position on the staff of recognized publications, who have performed highly meritorious service, and who have shown distinguished ability are eligible to membership.

Faculty members in Sphinx are Professors W. W. Colvert, J. B. Finnegan, E. C. Grafton, Walter Hendricks, F. J. Mangold, C. E. Paul, and J. C. Peebles.

The list of active student members includes N. E. Colburn, Jr., president; H. W. A. Davidson, secretary-treasurer; E. G. Avery, J. L. Brenner, D. N. Chadwick, R. A. Fleissner, W. A. Hoyer, B. M. Kostenko, H. Kreisman, E. G. Lundin, M. A. Lukas, P. P. Polko, J. E. Schreiber, E. A. Svoboda, and H. J. Ziebler.

NORTH CAROLINA DEAN COMMENTS ON WORLD RIOTS

In a recent talk at North Carolina State College of Agriculture and Engineering, Dean E. F. Brown of that institute touched upon the high spots on the rough road that nations and men of today are traveling.

Dean Brown's comment on foreign affairs was that Austria, which before the war formed with Hungary the nation of Austria-Hungary, is essentially German in character. The Socialist Republic favors union with Germany, but nations of Europe fear the concentrated power of the union. Little Premier Dollfus is fighting such a union and has a fight to keep his power. The socialists, apprehensive of their treatment when Dollfus realizes his Fascist aims, have started a civil war in Austria, and it has the stamp of success.

Although France would like very much to intervene, she is having too much trouble of her own to do anything about the revolt. Due to the bank scandals of the regime similar to the oil scandals of our country, France is in the weakest condition since the present republic was established. Just as the universally respected Washington was called to take the reins of his country in its weak infancy, Doumergue, the venerated former president of France, has been called to the premiership as one of the most acceptable to all parties in hope of riding out the storm.

Four Major Problems in U. S. Speaking on the situation in the United States, Dean Brown said that the present administration is faced with four major problems.

First: The money problem has for the first time in the history of our country seen the gold content of our dollar changed from the standard of 23.22 grams. The change is merely to make the gold dollar line up with the dollar of commerce.

Second: The problem of finding the best way to take care of unemployment. President Roosevelt's plan which puts men to work, letting them keep their self respect, has none of the ill-effects resulting from the dole system which is practiced in England, and therefore seems to be an excellent solution.

Third: Production must be planned and controlled.

Fourth: Foreign relations. The

Armour To Exhibit At Century of Progress

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ticipate again this year, many having discovered that their exhibit served to stimulate public interest in their programs, and that this interest is reflected in greatly increased numbers of applicants for admission.

"A first-rate exhibit at the Fair, such as the one we are confident can be prepared to show the work we are carrying on here," said President Hotchkiss in speaking of probable benefits to the Institute, "will bring forcibly to the public attention the importance of the Institute in this community. It cannot fail to place the Institute in a favorable and creditable light with other institutions of national reputation."

administration has seen the first Soviet ambassador in Washington as a result of Russian recognition.

Amsbury Convalescing After Auto Accident

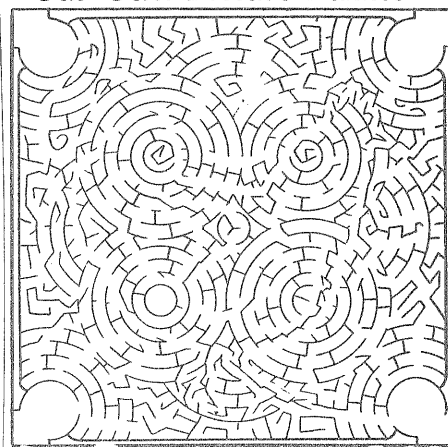
Professor Amsbury is reported to be convalescing rapidly from serious injuries sustained in a recent automobile accident.

His fractured leg, after causing a great deal of trouble, has been mended and patched and now rests securely in the permanent plaster cast. The patient spent a very painful week but is now resting more quietly.

By April 1 Professor Amsbury hopes to be at Armour again, and he probably will be if his convalescence continues at the same rate as it has up to the present.

The operation was performed by Dr. Coburn. Dr. Kahle, the father of Charles Kahle, '36, was also present. The ill effects of the operation lasted only one day, so that on Wednesday Professor Amsbury was feeling normal again.

Our Own Picture Puzzle



Instructions: There are several entrances, one of which will lead you into a path, which will wind around and finally bring you out at the place you entered. Use pencil very lightly until you have found the particular entrance. Then use a colored pencil to trace the path, never crossing a line. You will find that you have drawn the complete outline of a living thing. Write its name in the upper right hand corner and yours in the lower left hand corner. Cut out the square with a pair of sharp shears, following the heavy black line. Fold in quarters and deposit in the nearest receptacle for waste paper. There is absolutely no money involved.

THEY NEVER GET ON YOUR NERVES

I SMOKE PLENTY OF CAMELS...
MORNING, NOON, AND NIGHT.
SO I THINK I'M QUALIFIED TO
SAY THIS—THEY NEVER
JANGLE THE NERVES.

CAMEL'S COSTLIEST TOBACCOS

YOU CAN SMOKE THEM STEADILY... BECAUSE THEY
NEVER GET ON YOUR NERVES. NEVER TIRE YOUR TASTE!