

## Approval Given Student Union Table Purchase

Several interesting developments have taken place in the Student Union recently. The Board of the A. T. S. A. has approved the purchase of two ping pong tables for the use of the student body. When the tables arrive, which should be during the Christmas vacation, they will be placed in room 2-E of the Union. As yet definite arrangements for the use of balls or paddles have not been made but provisions will be made that they will be available for use by the students. In addition Mr. Weissman has announced the purchase of twenty phonograph records by the American Society of Civil Engineers. This group of records together with those already owned by the Union forms a complete library of popular and semi-classical music.

Placing a box in the lobby of the Student Union is another action approved by the Board of the Student Union. This box is for the use of the Armour Tech News. All contributions, voices of the student and similar matter should be placed in this box.

### Conduct Slipping

Several complaints have been made recently as to the conduct of some of the students in the Union. A great many students seem to think that the lounge is a place where naps can be taken to make up for the sleep they had missed the night before. Great carelessness is also shown in the use of the furniture. Banging chairs around is going to make their life so much shorter, and a corresponding worn look will make the lounge that much less inviting. The lack of consideration of some students in occupying seats in the lunchroom during the lunch hours is another sore spot. If the students left as soon as they had finished their lunches, the confusion and crowding prevalent at the present time would be eliminated almost entirely.

### NEW FOUNDRY—

(Continued from page one)  
able with the sand mold method of casting. The tensile strength of a gray iron casting obtained by the new method is about 40,000 pounds per square inch as compared with 25,000 pounds per square inch obtained by the present method. The greater smoothness of surface of the counter-gravity die-casting requires much less machining, permits casting to finer limits, and makes possible direct casting about bearing surfaces, and a variety of short-cuts never before attainable.

Since the Research Foundation of Armour Institute of Technology is affiliated with the Illinois Institute of Technology, recently formed by the merger of Armour Institute of Technology and Lewis Institute, the experimental foundry will be housed in a new brick and steel building to be located at 34th and Federal Streets on the Armour Institute of Technology campus. This, however, will be only a temporary location until such time when a permanent campus is selected for the new Illinois Institute of Technology. The consolidation will give to Chicago one of the largest and best equipped technological institutions in the United States, bringing together two institutions with combined experience of almost 100 years in engineering education and service to industry.

The new foundry will be completely equipped with furnaces, pressure pots, core ovens, and all other foundry facilities. Approximately five members of the staff of the Research Foundation of Armour Institute of Technology will be engaged in this project.



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## "Concrete" Subject of W.S.E. Meeting

Tuesday evening at seven o'clock, all Armour students are invited to attend a meeting of the Western Society of Engineering, on the practical details of using concrete in structures. The meeting will be held in the society's rooms on the twelfth floor of the Engineers Building, 205 West Wacker Drive. Because of the current interest in the subject and the practical nature of the lecture, in addition to the fact that all Armour students are members of the Society, it is expected that the turnout will be large.

The speaker, Mr. H. E. Shudde, is the construction superintendent of the Portland Cement Association. The title of his talk is the "Practical Details of Forming and Placing Concrete in Structures." Mr. Shudde was a construction superintendent in California for many years before coming to Chicago. That part of the country has pioneered in the use of concrete for all sorts of fine structures. Since coming to Chicago, he has been traveling constantly through several mid-western states, giving assistance to contractors and engineers who are building architectural concrete jobs. His discussion will be wholly practical and non-technical and he will use lantern slides to illustrate the important details of the lecture.

There has been rapid increase in the number of structures having fine exterior surfaces of concrete. Much attention is being given to the architectural design of concrete bridges and viaducts, also to retaining walls such as that on the railway grade

## Sphinx Pledges Four; All Tech News Men

Four men were pledged to Sphinx last evening at ceremonies held in the Armour Tech News Offices. The men honored were Irvin Dzikowski, desk editor of the News; Art Hansen, feature editor; John Kucera, re-write man, and Peter Woods, head of the re-write department. The last two men are senior co-ops.

Pledge duties will consist of carrying a copy of last year's *Cycle*, the latest issue of the *Armour Engineer* and the current copy of the *Armour Tech News*, in addition to writing a theme about some phase of journalism. Formal initiation ceremonies will be held after the Christmas holidays.

Sphinx is the oldest honorary on the Armour Campus. Founded in 1907 it has led student activities in the literary field, playing a large part in the establishing of the *Tech News* and the present arrangements of the *Cycle*.

separation project through Winnetka. Another important development is the use of architectural concrete for the entire exterior of buildings such as the new retail store building for Sears, Roebuck & Co., at Irving Park Blvd. and Cicero Avenue in Chicago, the Community Auditorium and High School Gymnasium at Belvidere, Ill., and the new school buildings at Joliet and Effingham, Ill.

The excellence of the concrete surfaces on these various structures requires new technique in forming, in the concrete aggregates, and in the methods of placing concrete. The old hit-or-miss methods of proportioning, forming, and placing, are wholly inadequate for such jobs.

## Civils Visit Evanston Water Filtration Plant

Civils of the senior class are going on the third of a series of inspection trips this morning. This series is carried on in connection with their course in water supply engineering. An attempt is being made by Doctor Eliassen to cover every type of water supply equipment in the vicinity of Chicago.

This morning's trip is being made to Evanston's filtration plant. Other trips made by the group include the recently completed plant in Hammond. This location coupled with the fact that the water supply is drawn from a greatly polluted lake offers problems that are unique in the water supply engineering field. If the wind shifts at any time a different source of pollution comes into effect.

## Mechanics Symposium To Hear Lecture By Dr. Hans Reissner

Dr. Hans Reissner, noted authority upon aeronautical engineering matters will address the Mechanics Colloquium this morning at ten o'clock, as announced on the North bulletin board, in the lobby of Main.

At present Dr. Reissner is engaged in work on the stability of thin shelled structures, constant speed propellers of the self-operating type, and vortex theory of propeller design. With his excellent mathematical background, Dr. Reissner has gained the admiration of all his mechanical students who are taking aeronautics. Today's talk should be of interest and value to any and all who intend to devote any time to these subjects.

## Interhonorary Frat Council Meeting to Be Held on Friday

The interhonorary fraternity council is planning to hold a meeting this Friday at 5 o'clock in room 2-W in the Student Union. At this time plans for the banquet which will be held sometime in the middle of January will be discussed.

Tentative plans at the present time call for the holding of the banquet at the Adventurer's Club. The setting of wild animal trophies coupled with the food of undoubted quality furnishes a setting that should prove attractive for all of the members of the honoraries on the campus.

Attempts are being made to secure a speaker who will prove interesting and at the same time be able to give an instructive talk on some phase of engineering.

## CO-OP NEWS

By H. F. Krantz

Just to prove that the co-ops are superior students, Instructor Alex Cowie burst into a group of 4A men preparing for Marin's structural final. "Now boys, he said, 'there's a class downstairs. You don't want to live up to your reputation all the time!'"—But nobody heard him, too much uproar.

The story of the week is the co-op's prank on Professor "Brother" Winston. Led by Walter "Fat Stuff" Meyers, and with Frank "Dreamy Eyes" Heidenreich, as decoy, the entire class trooped into the room, Indian fashion, minutes late, each man depositing a shining Jonathan on the worthy's desk and executing a deep bow before taking his seat. For once in his life Armour's "Human Engineer" was struck speechless.

Information acquired from our representatives at large

has it that Andy Blaida, a shy retiring fellow at school, is known by such aliases as the "Don Juan of Danley's" in the outer world for his smooth methods. We are told to expect a New Year's wedding on the stage of the Rialto.

One of the members is noted for his pugilistic accomplishments, according to Lawrence "Schleperman" Schoeffman. "So I feints with my left and gives him such a terrific right to the button, he never knows what hit him."

Last Friday marked a milestone in the program of the co-op classes. The 4-A class will henceforth be known as the 5-A and members are now jubilantly addressing each other as seniors, with only 24 weeks of school left. However, these men are at present at work at their various jobs and will not decorate the Armour Campus again until the first of February.

Thanks for contributions to this column last semester are due to Frank Grote, 3A; Vic Schellschmidt, 2A; and Robert Schneider, 2A.

Ann Sheridan  
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