

Co-op Notes

By E. P. HANUSKA

The "B" group Co-ops are back at school again ready to plow into the courses their alternates, the "A" group, have just happily (?) completed. Incidentally, I'd like to inaugurate the following nomenclature to be used in identifying Co-op men. After each Co-op's name will appear an "A" or a "B," depending upon which group he is in, followed by a numeral indicating his year at school; for example, R. Smith B3 (in the "B" group, third year).

It has been reliably reported that Dr. Giddings has just completed a successful campaign against the juniors and sophomores (number of casualties not yet determined) using that terrible weapon **Differential Equations** as his scalping tool. This same source also reports that Prof. Giddings has fully supplied himself with new and tougher problems with which to bombard us, the "B" group! Ha! but we're not afraid; what's a little thing like finding the equation of a raindrop falling 25 feet per second at a distance of two miles above the earth, etc., etc. All we need is 10 hours of time at home each night and we'll work any problem, or will we? Time will tell!

P. Koenig B2 has lots of pictures of his recent vacation in Germany, but will say little about his trip. Anytime you're in trouble see Vic "Socrates" Milewski B2 for moral support. E. Ambrose A2 is probably up in Michigan visiting his "grandmother." Note to F. Krahulac B3: We hope you are planning some affair for the Co-op Club at the end of this term; C. T. Swanson B2: How about injecting some of your dancing pep in the other fellows to help conquer Diff. Eqs?

Armour Homecoming Ceremonies Features Talk by Dr. Scherger

Homecoming! Old grads, young grads, fat grads, skinny grads—about two hundred and forty of them—jammed into the Union dining room last Friday to celebrate their first annual Armour Tech homecoming dinner.

From 6 o'clock to 11 o'clock in the evening, Armour men, representing practically every class that has graduated, made the halls of the new Student Union re-echo with a joyous clamor as they greeted old friends, made new ones, reminisced about the "good old undergraduate days," and enthused over Armour's bright present and future.

Discusses Armour's Past

This outlook to the future, a keynote of the entire Homecoming, was well expressed in President Heald's words as he addressed the assemblage, "You have been hearing Dr. Scherger talk over the 'good old days.' Now let me tell you some of the things that we at Armour are now doing, and intend to continue doing."

Dr. George L. Scherger, a grey-haired stalwart of Armour's past, was the main speaker of the evening. He spoke eloquently of Armour in the days of Gunsaulus, Mann, P. D. Armour, and others. Although Dr. Scherger's talk was predicated on Armour's past, he urged the present to carry on in the spirit of Armour's past great leaders.

Relates Origin of Mission

Many interesting facts came to light during Dr. Scherger's speech. Among these was the story of the origin of the Armour Mission and Armour Institute—how Dr. Gunsaulus' "million dollar sermon" on training young men to use their hands so impressed P. D. Armour that he gave Doctor Gunsaulus a million dollars

with which to found a school embodying these principles.

President Heald then presented a short talk on the activities of the school at present. He told how the Union building so recently completed is already accomplishing one of its purposes: namely, to bring people outside of the school here to see what we are doing. The story of the renaissance of the Armour Mission was not retold, but President Heald did mention the work done by Prof. Moreton, Architects Loeb and Schlossman, and Prof. Seegrift.

President Heald then gave a brief report of the diverse fields of activity being engaged in by the school. Armour is no longer supported by the Armour family, but by the community. Its gifts from the alumni, the trustees, and industry which are maintaining the school. The student body is the largest in Armour's history—more men than ever are turned away because of a limited student capacity. The great advancement of the evening school and the graduate division was mentioned. These are now about three hundred men in the graduate school working for advanced degrees. President Heald's mention of the research foundation was supplemented later by a brief talk by Prof. Vagtberg.

Placement Facilities Enlarged

The enlargement of the placement facilities was discussed by the president, who urged all the alumni to get in touch with Prof. Schommer if they knew of jobs that needed filling, or needed a job themselves. An invitation was expressed by the president to make the Union available to the Alumni for meetings, or dinners, provided, of course, that it didn't conflict with an already scheduled event.

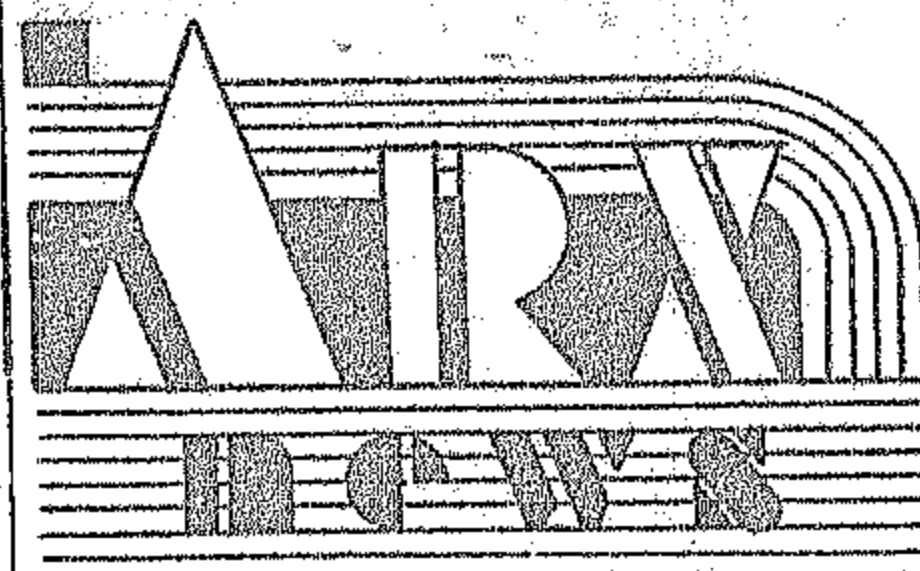
Kent Continues Experiments at U. of Michigan

The television apparatus which aroused so much comment when it was publicly demonstrated at the Institute last open house night has been shipped to the University of Michigan. Further experiments will be conducted with this set by Earle L. Kent, an instructor in electrical engineering at Armour. Mr. Kent, who is on leave at present, is working for his doctorate degree at the University. Together with other research workers at U. of M., he will try to improve the existing equipment and add other pieces that permit transmission and reception of the images on ultra short waves.

As it now stands the television outfit was built last year at Armour by Mr. Kent and several students in his television classes. Constructed after principles of the RCA system, the television "camera" contains a \$400 iconoscope tube and a special amplifier capable of responding to impulses ranging from below 20 to well over 1,000,000 cycles per second. Tiny acorn tubes, no larger than buttons, are used for this purpose.

In the receiving unit a ten inch cathode ray tube reproduces the image which has the high definition of 441 lines; this means a clearness of pictures comparable to that of home movies.

The showing of the experimental apparatus at Armour last semester was the first public demonstration of high definition television in Chicago. At the time pictures were sent by wire to the receiver rather than being transmitted by radio. While at the University, Mr. Kent hopes to improve the apparatus so that when he returns it will be completely operative.



Well, ARX, this is the last issue of the Arx News for this year, but we'll be back Jan. 9 . . . with Christmas doings.

Professor van der Rohe is really showing the seniors how to make their models. Just last week he started on his, and now he is almost done; the seniors are getting cross-eyed trying to keep up with him. . . . Oddity: Even Swede Erickson is working, that is news. . . . His system is also in effect when just one fellow is helping him, some crust! (He just finished a Class A project.) The poor gal has got it bad out in Omaha, poor pretty Kitty Kelly.

We had a visitor in graphics last Wednesday. Mirotznic Jr. came into the room, looked around, saw Danforth, and jumped for him.

At the Architect's Ball, Fox nearly fell into the water watching the fine detail of the statue in the center of the fountain. . . . Mandel appreciates art too; all last Friday he was doing the model, in litho. . . . Juniors are finding themselves in a real Charatte, from now until February.

Sophs are all heated up about their "life class." Quotes one: "Holy smokes, female next week" unquote. . . . Of Pehta's injuries last week, his leg and his brain, his leg has recovered.

Piper and Ostergren seemed to have gotten into a very embarrassing situation last week, according to Mour: very bad. . . . The Sweet Potato Band is on the downfall since Joe Q. U. Wagner has declared a sit-down strike on them. . . . Poor ole

Dr. H. Fisk, Refractories Expert, Added to Staff Of Research Foundation

Recently the Research Foundation added to its ever-growing staff Dr. Henry G. Fisk, a well-known authority on refractories, clay products and cements. He will spend all his time working on the Dolomite project, which has been underwritten by the Marblehead Lime Co.

Dr. Fisk received a bachelor of science degree in chemistry from the Occidental College in 1923, a master of science degree from the University of Illinois in 1924 and a doctorate in Mineralogy from Ohio State in 1927. He started work as chief chemist for the Vitrefrax company in 1924, developing uses of the electric furnace refractories. In 1927 he was employed by Gladding McBean and Company, for whom he equipped and started a research laboratory and then carried on development work in refractories and introduced new tests for clays and clay products.

Dr. Fisk was connected with the research department of the Universal Atlas Cement Co. from 1927 to 1936, working the analysis of the minerals in cement clinker by high temperature and microscopic methods and the correlation of microphysical characteristics of clinkers and cements. In 1936 he organized a research lab., for the Calveras Cement Company and developed and perfected a number of products.

and a lightweight building cement. Joe, just doesn't appreciate good music.

I leave with: No news of the judgments; boy, do we miss ye good ole judgments, without them there isn't half as much to talk about, as well as to write about.

Hoping Santa Claus won't see all your red marks (no X's anymore). BOZ-ART.

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