

POULTER'S TALK—

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the large amounts of snow by bringing in the frost. It seems that the frost will often accumulate to the extent of over two inches in a comparatively short time. This is especially true near the ocean, the warm breeze carrying a large amount of moisture over the cold land, where the water condenses as frost.

Snow Absorbs Sound

Several interesting acoustical effects are also apparent because of the porous nature of the snow. It acts like some of the sound absorbing materials that have been put on the market in recent years, but is very much more effective. Standing only ten feet apart in a trench in the snow it was impossible to hear another person talking in normal tones. Still it is possible to hear a disturbance in the snow which takes place a considerable distance away. The snow transmits sound well, but absorbs sounds that are incident upon it.

Seismic Equipment Exhibited

In setting off the charges of explosive in taking his seismological data Dr. Poulter found that the blast did not disturb the snow as much as would ordinarily be expected. In setting off one of the small charges, about one pound, the only effect was to compress the snow for about ten inches around the charge. The porous snow and the great cold served to absorb all of the shock and to condense the gases that were generated. This absorption was one of the problems which had to be overcome. It was rather difficult to get a wave front into the snow which was of sufficient intensity to give good results.

Dr. Poulter did the journalists a great favor by exhibiting a duplicate of the equipment which he used at the south pole. It consisted of the recording apparatus and a set of three of the geophones. He also displayed a set of wave tracks, taken of various subjects, such as street cars and steam hammers. The pictures which he showed were of the seismic party, showing the arrangement of the sleds and equipment. Several views were shown of the explosion of some of the larger charges, and of the trip which was made by air.

In closing his address the speaker invited the audience to ask questions and permitted them to examine the seismograph at first hand.

Chincholl Talks About Fire Hazard

At the regular meeting of the Fire Protection Engineering Society president Paul Hoffman announced the date of the smoker and urged all members to attend. The date has been set as Wednesday, Feb. 15; the place, the main lounge of the union, and the time, 7:30 to 10:00 p.m.

Moving pictures and Monte Carlo games have been promised with a prize for the champion gambler among the firemen. The movie "The Treasures of Wood" will show the manufacturing and finishing of rare woods; it will take 45 minutes to show and is one of the most interesting technical movies that could be obtained. Refreshments will be served, and cigarettes and cigars distributed.

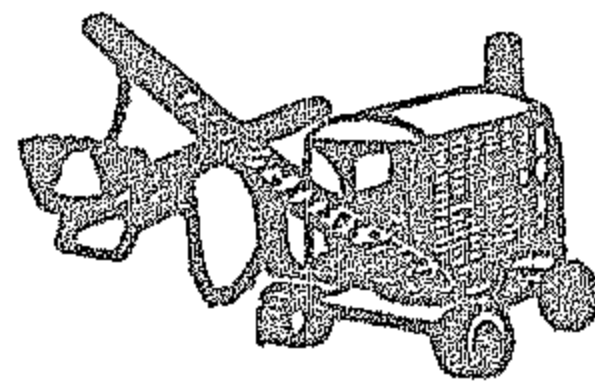
After the smoker announcement the members were addressed by E. R. Chincholl of Marsh and McLennan, insurance brokers. Mr. Chincholl spoke on the fire hazards of power plants. He gave a short history of electric power generation, stating that the first real utility for electricity was lighting by means of Edison's bamboo filament lamp. The first power plant was installed in Chicago in 1880 and was known as the Adams street station. Most of the development of power plants has taken place during the last sixty years. Mr. Chincholl cited many inherent hazards such as arcing, overheating, oil leakage, and explosions.

Oil leakage has proved to be the most costly of these hazards. The oil, very hot from continuous use, is readily ignited when it contacts hot steam pipes. Leakage has been lessened by welding all joints in the oil line by using flanged connections.

To prevent the spread of fire in outside stations, crushed stone floors are used, while within the power house each piece of costly equipment is separated by fireproof rooms.

For an extinguishing agent Mr. Chincholl recommended a spray of water for fires occurring in electrical equipment and also for small oil fires which may start in power plants. He also mentioned other effective agents — such as carbon dioxide, carbon tetrachloride and Dugas powder.

Steam Shovel



Congratulations to the new staff of the Armour Tech News which takes office with this issue. We wish them all the success in the world. For the outgoing staff, we have this to say. Never have a group of fellows worker harder to make a college paper a success. However, we are going to let all our subscribers in on a little secret . . .

... We were censored bodily whenever we wished to mention their names in this column. However, beginning now and henceforth, their lives shall be an open book. (Psst—Kotal, Jaffee, Yeakle).

Rugged individualist or just hard hearted? While warning his new welding class last week of the danger of explosions, Prof. Pearl remarked that if there is an explosion "the diaphragms will save the equipment."

English in the fourth dimension . . . Steve Kroll, flustered a bit while addressing the A.S.M.E. meeting last Friday, led off one thought with: "Sometime ago in the future . . ." that just goes to show what our modern age is like—"Here it comes No, here it is. No, by gosh, there it goes!" Speed!

Prof. Goetz put over a good thought after hearing both the new and then the old editorial boards sing songs at the News banquet by remarking: "In the future, I believe that in selecting the new men (editorial staff) we should look into their musical abilities FIRST."

Catlin again. When interviewed as to what he owed his success for his straight "A" average last semester, he remarked, "Wimmen."

Form chart of the week: Gaebler

CO-OP NEWS

H. Krantz

Officers of the Co-op Club would like to call a meeting of Co-ops in school, but can't find a single hour between 8:30 and 5 p.m. when they're all free.

The trip through the Bell Telephone Co., arranged by the B group, is closed to A group Co-ops. Only a limited number of students will be taken and this quota has been filled from the B group.

E. C. Mock, 8A, has a hair cut that will dazzle the eye of any female (or male). Ed had his hair cut but now has only the cut.

Great consternation has resulted from the antics of K. J. Kleinwachter's seagoing fountain pen, which at present is hibernating in the mech lab sump.

John Elwood, 2A, is almost a Phi Pi Phi . . . John Ahlstromer, 4A, is studying art as a pastime and making rapid progress . . . Carl Overton, originator of the "Ice Pick" (to date very few people understand this caricature) attended the last Co-op dance. He was, until a year ago, with the 4A's . . . Ed Schmidt, 4A, has a mania for reserving seats in the cafeteria. He very often holds as many as six places for the "Frat boys."

was down with the flu, and reports state that Anthony had an appendectomy.

When C (Brain) Laskowski entered Carpenter's geology class last week, roll was taken. "Glassowsky" called the teacher. "Make it a short beer," muttered Frank (censored) Opila.

A new Caruso has arisen in the glee club. Long after the rest of the club had clamped down on the last bar of a song, Hal Johnson's golden (gosh I'm color blind) voice wafted over the entire assemblage. He must have been dreaming of Shirley again.

Why does Ephraim ride the Clark street car all the time? Can it be the card ads? (We think not.)

Sophomores Elect New Men to Fill Vacancies

Due to two officers' of the sophomore class, president and secretary, leaving school, the sophomore class met last Thursday at 12:20 in Science Hall and decide what to do. At the start of the meeting, which was conducted by vice-president Frank Reh, a motion that the vice-president succeed the president, was made and passed unanimously.

To fill the remaining vacancies, the class decided that a standing vote be taken after the nominees left the room. Frank Pfeffer was elected to the office of vice-president and Roy Jacobsen was elected secretary.

Mathematics Profs Gain Public Notice

Professor Watson Davis of Armour was revealed as an authority on gambling probabilities last week in Otis Chatfield-Taylor's column, 1,001 *Nights in Chicago*. It was calculated that in the long run a player would average a twenty cent return on the dollar in the game "26". As the saying goes, "A word to the wise is sufficient."

Professor Lesterford was recently appointed chairman of the mathematics section for the meeting of the Society for the Promotion of Engineering Education which is to be held on April 8 at Lewis Institute.

Professor Samuel Bibb will attend a meeting of the National Council of Teachers of Mathematics on February 24 and 25 as a delegate from the Men's Mathematics Club of Chicago, of which he is an official.

AURORA CO-OPS—

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pplied by the Caterpillar Tractor Co., Peoria.

In addition to firms employing these students, the following organizations will be represented: Foote Bros. Gear Works, Chicago; McGraw Electric Co., Elgin; Elgin Watch Co., Elgin; Austin Western Road Machinery Co., Aurora; Richards-Wilcox Mfg. Co., Aurora; and the Chicago, Burlington and Quincy Railroad, Chicago.

379 Co-operatives Give Mechanicals The Largest Unit

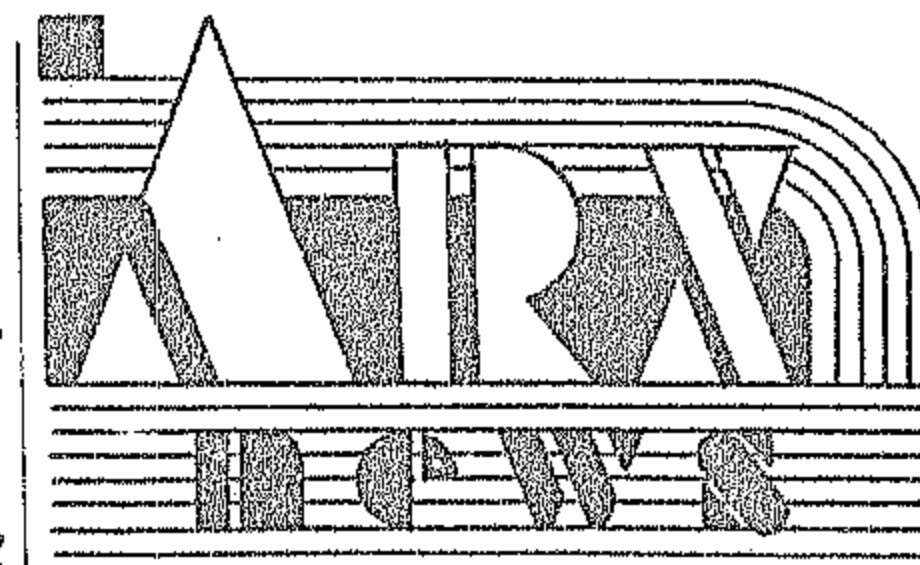
Since its beginning in February, 1936, the Co-op group of Mechanical Engineers has continued to grow through depression and recession. The latest addition to the class was made January 30, 1939, and consisted of eighty students from Chicago and neighboring cities, forty in each group.

The total number of Co-ops has now reached 303, which is only 41 below the number of mechanical engineers enrolled in the regular four-year course at Armour. Of the Co-ops the largest class is in its second year and numbers 81. The freshmen class, with eighty students, forms the second largest class. The third year class ranks third in size, numbering seventy-eight, while the smallest class is composed of the fourth-year group of sixty-four.

During his four years as co-ordinator for the Co-op course, L. J. Lease has enrolled 379 Co-ops. Many of these have dropped out in the past three years, but a number of the vacancies have been filled by new students so that the Co-op enrollment today is only 76 below what it might have been with no changes.

With the addition of the Co-ops, mechanical engineers now comprise by far the largest division in the school, with 747 students. The chemical engineers follow with 283, which is somewhat less than either 303 Co-ops or 344 regular four-year mechanicals.

This year's working schedule has been changed slightly. Instead of working in the factory in two nine-week periods and one eight-week period, with one week of vacation early in the summer and one week late in the summer, the students will work in two eight-week periods and one ten-week period, with two weeks vacation late in July or early in August. This arrangement will keep Co-ops from school for 12 weeks in the summer and will give instructors a one-month's vacation. Co-op students will continue to spend twenty-four weeks of each year in school.



Well, the semester's off with a bang:

They tell me that *Beaux-Arts* and the new do not go together; however, *Boz-Arts* and the new do. I hope.

It seems as though Baldy and Green Pants plus the Fox were preparing a gala occasion at Soph Dance. . . . Baldy was mighty worried. . . . Soph Arx attending the dance were credited with having made the dance a success.

In the Freshman class, a sweet potato concert has been arranged at Joe Q. U.'s persistent request . . . how touching; how accommodating.

Ossie in addition to being chief bookie is now also chief bowler . . . if people only knew! . . . Frosh are quite up on the new moving pictures on in the loop, good for them.

We understand that the Arx News will be delivered specially to the Art Institute for ye good ole Arx on Tuesdays, hereafter, ain't that sum'pin'.

Till next with more

BOZ-ARTS.

MUSICAL CLUBS—

(Continued from page one)

chestra consists of forty-four members and the glee club of seventy-five members.

Soloists for the orchestra this year are: William Mashinter, violin; Donald Charlton, trombone; Peter Woods, oboe; Harold Doolittle, trumpet; and George Danforth, piano. Soloist for the Glee Club is Thomas Yeakle, baritone.

The officers of the combined Musical Clubs are Tom Yeakle, president; George Danforth, vice president; Carl Reh, secretary. The glee club has the following officers: John Keane, president; Howard Coyle, secretary-treasurer and Eugene Worcester, manager. The officers of the orchestra are: Paul Hoffman, president; William Mashinter, secretary-treasurer and Bill Caldwell, manager.

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