

Chemicals Visit Filtration Plant

In order to continue the inspection of water treatment plants the junior chemicals visited the experimental filtration plant of the Sixty-eighth Street pumping station last Thursday, November 5, during the afternoon.

The various problems connected with the treatment of water for the removal of undesirable chemicals were explained by Dr. John R. Baylis, who is in charge of the entire plant. Every conceivable experiment in water treatment is being performed in this plant. After these are finished a most efficient process will be used in the treatment of all city water.

Must Remove Poisons

Due to the practice of various industrial plants, located on or near the lake, of dumping waste products into the water, it became polluted and therefore unfit to drink. Now strict health laws force the manufacturer to remove most of the harmful waste chemicals before discharging the waste into any stream or lake. Sediment which is stirred up from the bottom of the lake during storms causes a suspension of the solids and makes the water unpleasant as a drinking water. All such considerations are taken into account during the various experiments.

Mix Own Samples

This plant has a distinct advantage in being able to create its own pollution. A sample of waste liquor from some refinery is obtained and mixed with water in various proportions. The most extreme pollution can be produced. The cost of removing undesirable chemicals and suspended matter is determined for the experiment. This plant is the pilot plant and later its developments will be employed in the large scale work of treating all city water. The pilot plant is capable of filtering 800,000 gallons of water per day, evidently not enough for the entire city with its average water consumption per day of 1,000,000,000 gallons.

A striking contrast is obtained by observing "filtered" and "unfiltered" water. Unfiltered water appears muddy compared to filtered water due to the large amount of suspended matter. People come continuously from the surrounding district to obtain this desirable drinking water.

Chemical Basketeers Battle for Trophy

The Senior Chemicals' basketball quintet took the measure of the Junior Chemicals by a 46 to 29 count last Thursday and thus gained possession of the cracked test tube symbolic of victory in this encounter.

Despite the great rivalry and heated enthusiasm, the Seniors were forced to start with but four men, one of them a freshman. Before the first quarter was up, the fifth man arrived to complete the winning combination. The Juniors, however, won a "moral victory" by their sportsmanship in playing with four men for the first few minutes in order not to take undue advantage of their elders.

Test Tube is Trophy

The test tube, which is the trophy struggled for by each of the two upper classes has been taken from its display case on the sixth floor of Main Building and transferred to the appropriate receptacle in the Chemistry Lab.

H. Fishman, a third year man, was high scorer of the game with 16 points. E. Field and S. Lind were runners-up with 15 and 14 points respectively. The only man on the floor who failed to score was the referee, O. T. Barnett.

Seniors (46)

	G.	F.	P.
S. Lind	7	0	1
R. Blom	5	0	0
J. Cavanagh	2	0	1
E. Field	6	3	1
E. Pinsof	1	1	0

21 4 3

Juniors (29)

	G.	F.	P.
H. Fishman	8	0	2
A. Ream	2	0	0
J. Kubicka	2	0	1
S. Johannisson	2	0	2
S. Winegar	0	1	0

14 1 5

Inquiring Reporter

Question: How do you like the sample senior jacket on display in the lobby?

Milton E. Schram, M. E., '32: I believe that they would look a little better without the gold braid trimming around the edges. The cost is also a bit high in view of the general range of present prices.

E. W. Carlton, E. E., '32: Although Armour's colors make the jackets distinctive, the idea of having them is fundamentally sound.

Alton Jungels, M. E., '32: I believe that the gold braid should be removed.

A. R. Viel, Ch. E., '32: The jackets are great. It is the best arrangement of design I have seen in four years.

Dan White, M. E., '32: Considering these times, the price is exorbitant.

F. A. Ustrycki, M. E., '32: The design is different from anything in recent years except for the location and size of the monogram.

R. F. Waindle, M. E., '32: I think the jackets are all right as they are for the fellows who will wear them.

A. Bogot, M. E., '32: They are all right just as they are.

R. Steinert, Ch. E., '32: Everything is O. K. except the braid.

Jack Owen, M. E., '32: I am very fond of the insignia as it appears on the sample. It's the best jacket we ever had around here.

M. Berger, Ch. E., '32: It is too conspicuous and not conducive to the gargantuan intellect requisite of a senior at A. I. T.

L. W. Winbolt, M. E., '32: O. K. except for the braid and the price. Where are the cap and pants?

Kindergarten Circle Used by Senior Civils

(Continued from page 1)

be, in the words of that immortal poem (we are going to write this poem next year), "none other than the civil engineers."

But singing has finally become trying even to the great tenors, basses, and unaffiliated members of the greater civil horns. At last they felt they must do something concrete, his neighbor's look of sublime innocence.

The boys constructed a perfect circle of chairs in Room B, Mission, and denoted the geometrical center of the room by placing the professorial desk above that very spot. Next, no one knows why they did this, they put a very bold and prepossessing sign on the door which read as follows:

FOR WOMEN ONLY

After the stage was thus set, the civil cutups adorned the circle with their limp figures. Following this each of the children tried to outdo his neighbor's look of sublimis innocence.

At this point in the proceedings Professor Nash drew nigh. With a silent blush he surveyed the sign adorning the firmly closed door. With but a brief pause denoting indecision, he entered the charmed circle of chairs, seated himself at the centrally located control desk, and began to lecture on "juice."

Not a sign did he show because of the unconventional and untimely gathering of the Knights of the Round Table. At the conclusion of the period he asked Sir Launcelot to shut the door. Sir Galahad and Sir Percival were next ordered to return the desk to its accustomed place of repose. Ye other knights were given a problem—namely, placing the classroom chairs in neat and perfect rows.

Mrs. Rasmussen Back After Long Illness

Mrs. Rasmussen, appraiser in the Armour Tech Cafeteria, is back with us again after a month's absence. She wishes to thank her many friends who so graciously remembered her during her convalescence. "There is nothing quite so charming as bright, fresh flowers," said Mrs. Rasmussen when asked how she enjoyed the lovely bouquet sent her by the members of the faculty.

GLEE CLUB REHEARSES

Dr. Protheroe introduced a new selection to the songsters at the last meeting of the Glee Club. It is an old favorite entitled, "Mighty Lak a Rose", in which the baritone section has the lead.

Junior Chemicals Rush the Library

Hectic days are now the common thing for Miss Steele and her library assistants since the Junior Chemicals have started work on library subjects.

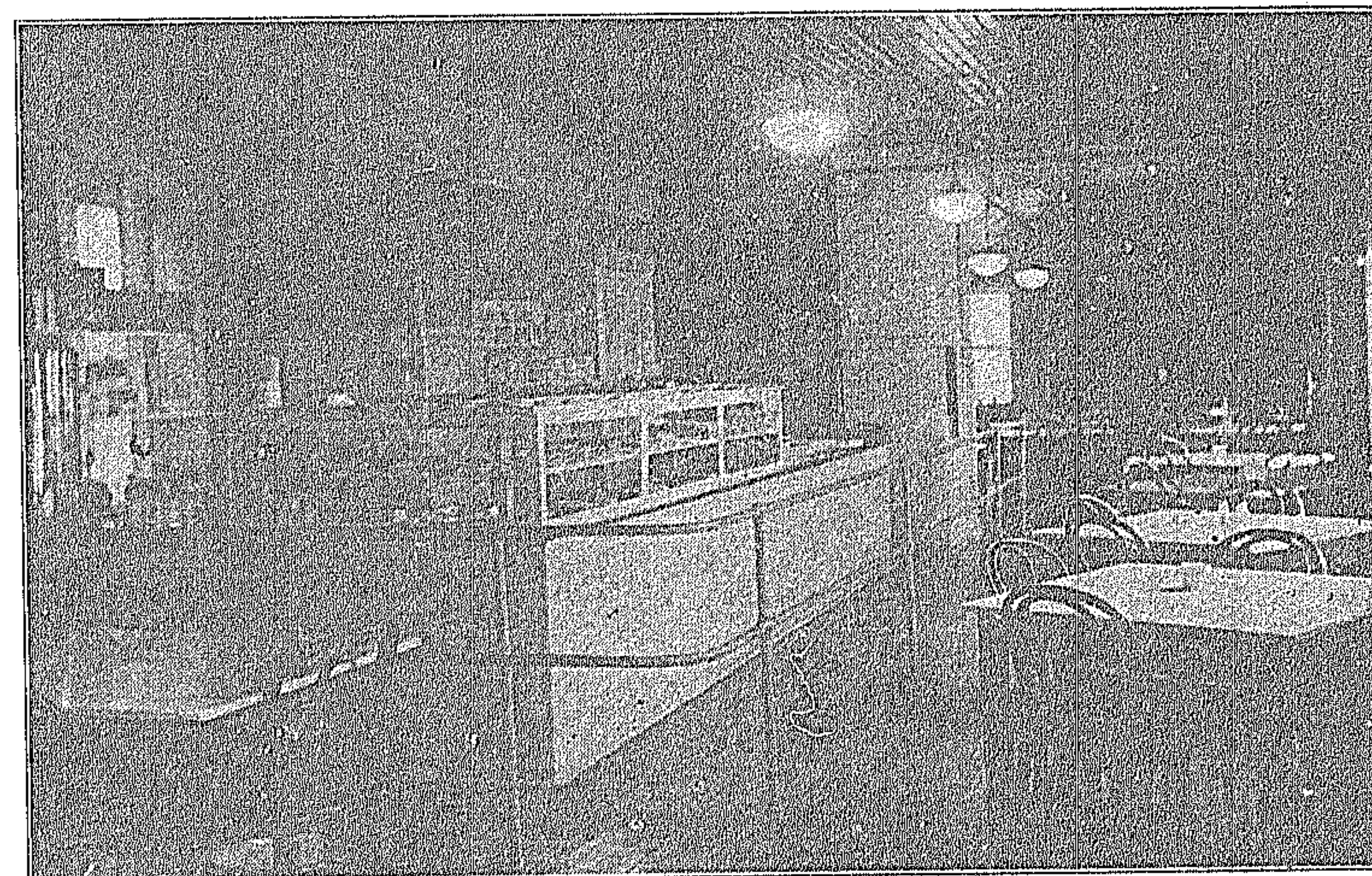
Each week something comes up which, were it not for Miss Steele, would resemble hunting for a needle in the haystack. Foreign journals on chemical subjects seem to cause considerable consternation to those who don't understand all of the major modern languages (and who does). Of course all good chemicals are supposed to have a reading ability of scientific German and French.

Earlier in the year, a class in library research was conducted by Miss Steele for the purpose of acquainting the men with the various reference books which are used in chemical engineering. Beilstein, "the organic chemist's Bible" was informally presented to the class. Among those present were such imposing dieties as the International Critical Tables, the Landoldt, Bornsten, and Meyerhoffer tables, Chemical Abstracts, and enough other volumes to make several tables groan with the load.

The writer feels indebted to the Armour librarian ever since she rescued him while floundering about in Chemical Abstracts. Once explained, the Abstracts positively eat out of one's hand.

In fact, if the weather is good, the disposition better, and if one has previously seen three green pigs flying past the library windows, it is possible to ferret out the desired article in about an hour. It is possible that the article may be procured after it has been found in the "abstracts", but the usual place for chemical literature seems to be the University of Cincinnati or some equally inaccessible place.

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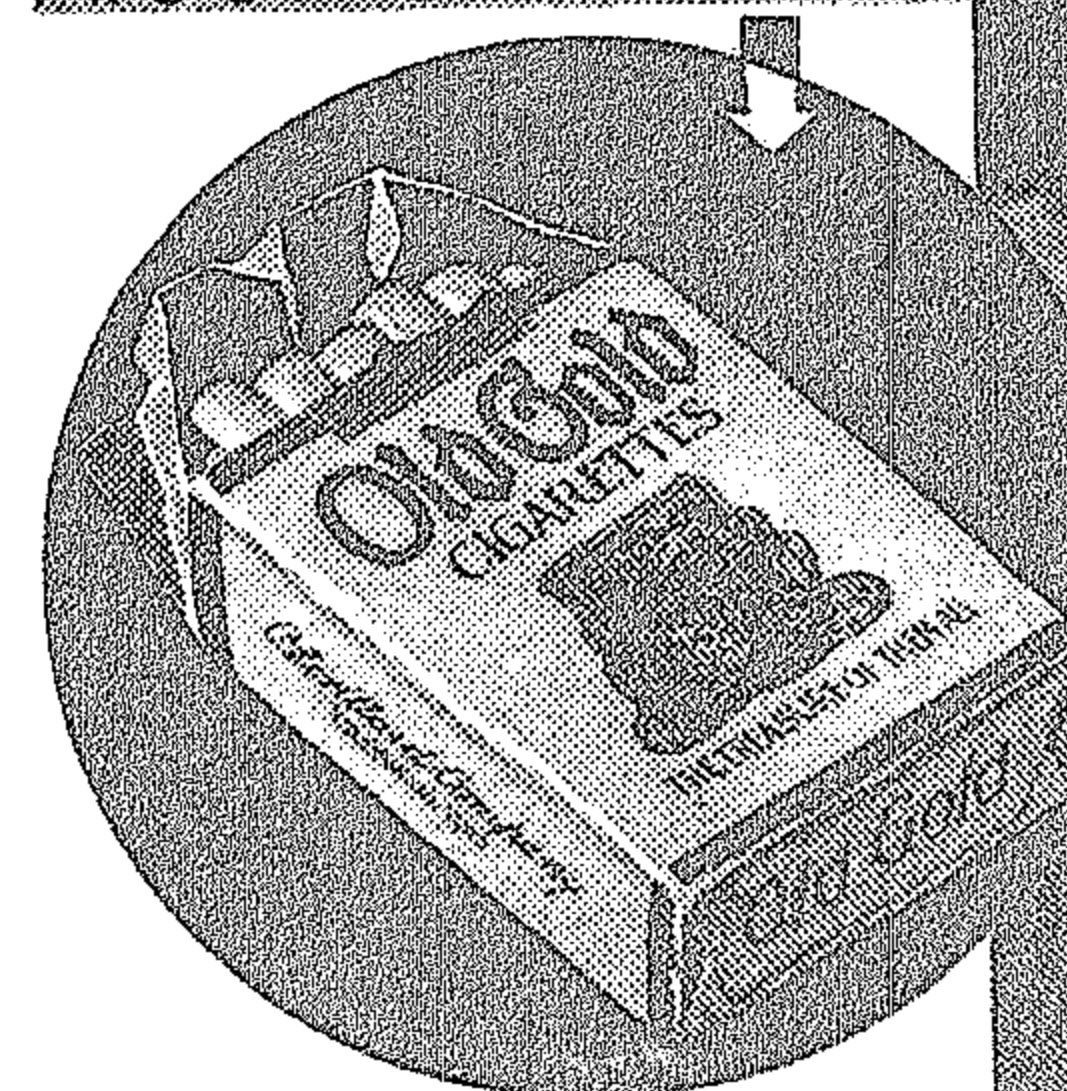
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