RIFLEMEN SWAMP FAIRPORT TEAM IN FIRST MATCH

Exceptional shooting for so early in the season gave the Tech sharpshooters a victory by 166 points over the Fairport Rifle Club in the first indoor postal match of the season. The individual scores show how the men stack up against other rifle-

ARMOUR

men:

Helmick378
Wilson
Hackley
Patla370
Hollmann365
Total1859
Sachs358
Dickey343
FAIRPORT R. C.
Smith377
Evarts
Evarts
Knittel347

The Fairport team had a small turnout for the match, and for that reason they have asked for a return match. A challenge has been received from the New York Stock Exchange as well, and these two matches will be held soon.

The New York Stock Exchange had one of the strongest teams in the country last year, and Armour expects to arrange a series of three matches to be shot two weeks apart in order to avenge the defeat received during the last encounters.

Chemicals See Model Plant at Hinsdale

(Continued from page 1) ment of the water which is connected with human hands is that in which treating chemicals are dumped into various hoppers. The treating chemicals, which ars soda ash, hydrated lime, and sodium aluminate, are mixed in the right proportions by a machine and placed in the water.

A large and powerful centrifugai pump draws water from a well 272 feet deep and pumps it to the main plant at a rate of 1600 gallons per minute. The water is stirred with treating chemicals in two huge tanks and is then removed to settling basins where 80 per cent of the precipitated chemicals settle to the bottom. Practically all chemicals producing hardness which remain dissolved in the water are removed by bubbling carbon dioxide through it in the carbonizer. The water is then filtered through a 42 inch gravel and sand bed to remove any material suspended in it.

An analysis is made of the treated acidity and alkalinity. The entire process removes 80 per cent of the chemicals producing water hardness.

The cost of operating the plant is about seven and one half cents per 1000 gallons for chemicals and eleven cents per 1600 gallons considering all expenses.

sparkling and crystal clear, and is an excellent drinking water.

day and maintains a reservoir of bridge in recognition of the In-1,065,000 gallors. The estimated stitute's choice of the span as the water consumption per capita is 70 gallons per day.

Illustrated Lecture At A. S. M. E. Meeting

Mr. John A. Maloney, the assistant director of the Museum of Science and Industry, spoke at the last meeting of the A. S. M. E. held in Science Hall.

At the present time the greatest technical museum in the world is the Deutsch Museum in Munich, Germany. The museum at Chicago will be patterned to a large extent after the one in Munich.

Mr. Julius Rosenwald, the donor, dolph. obtained a bond issue from the South Park Board of \$5,000,000, and in addition donated \$3,000,000 of his own to the cause.

give the layman an insight into the progress of science and industry up through the ages.

FRATERNITY NOTES

PHI KAPPA SIGMA

A Hallowe'en party was held at the chapter house last Friday evening. In spite of the inclement weather, the party was a huge suc-

Brother Schweitzer, Arch. '25, and Brother Pettingill, Upsilon chapter, were guests at the house for lunch last week.

Word has been received that "Mac" Larkin, Arch. '31, has regained consciousness and is expected to recover from injuries sustained in an automobile accident of last week.

RHO DELTA RHO

Rho Delta Rho announces the pledging of Alfred J. Rosen, Arch. '35, and Charles Handler, E. E. '35.

Preliminary preparations are being made for a pledge dance to inaugurate the social season. The dance will be held November 21 at the chapter house.

On Wednesday night, October 28, the Alumni organization of Rho Delta Rho held the second meeting of the current year at the chapter house. A "Get-together-a-Month" was decided upon. The Alumni will chapter in putting over the pledge

THETA XI

Open house was held for the members of the Purdue Chapter who visited Chicago for the Purdue-Chicago football game. Not only were there Purdue members present at the open house, but there were many parents of the boys.

The Unicorn, Theta Xi's national quarterly has just been received. This publication contains full details of the Sixty-seventh National Convention which was held at Columbus, Ohio, last September.

Brothers Schroeder and Murphy, '31 are now living at the house while working in the city.

BETA PSI

We are pleased to announce the pledging of Howard Zibble, F. P. E.

A dance sponsored by the pledges, was held at the chapter house last Friday evening. It was well attended by pledges, actives, and alumni members.

SIGMA KAPPA DELTA

Sigma Kappa Delta is pleased to announce the pledging of Paul Troemper, C. E. '35.

A Halloween party was held at the chapter house last Saturday evening. Several alumni along with the members and their friends enwater every hour to determine the joyed the evening's entertainment to a large degree.

Dean Heald Attends Bridge Prize Banquet

Engineers of the Bridge department of the city of Chicago were After the treatment, the water is honored by the American Institute of Steel Construction last Wednesday, when a bronze plaque was The plant operates nine hours a placed on the new Wabash Avenue most beautiful one built in America in 1930.

Mr. W. W. Wood, president of the Mississippi Valley Steel Construction Company, and former president of the A. I. S. C. presented the award in behalf of the Institute, and it was accepted by Mayor Cermak.

After the unveiling ceremonies, the Chicago Association of Commerce entertained the A. I. S. C. at a luncheon in the Hotel LaSalle, a large number of engineers and business men attending. Among them was Dean Heald of Armour Insti-

Some of the speakers were Mr. Wood, Mayor Cermak, Albert A. Sprague, commissioner of public works, and Col. Robert Isham Ran-

The Chicago representative of the A. I. S. C jury was Mr. Henry Penn, a former professor at Armour.

Several Armour graduates are The purpose of the museum is to among the city engineers who have developed the Chicago Type bascule bridge, of which the Wabash avenue span is a beautiful example.

Students Will Visit Chlorination Plant

As one of a series of inspection trips planned by Professor Bentley, the junior chemicals will visit the Sixty-ninth Street chlorination plant at Sixty-ninth Street and South Shore Drive this Thursday, October

This plant has, in addition to its regular chlorinating and pumping machinery, an experimental filtration plant. In this station experiments are carried on with different types of filters. The principal items to be considered are the life of the filter, the capacity of the equipment, and the method of packing the sand and gravel.

The City of Chicago, in accordance with the Chicago Plan, is contemplating the building of a string of artificial islands in the lake. These islands will be equipped with filtration plants. These plants will be designed by the engineers who are now operating the experimental station.

The purity of the filtered water has a widespread reputation in the neighborhood of the chlorination plant. When the refuse from the Calumet River pollutes the water act in conjunction with the active | served this region (the taste, not the healthfulness of the water, is affected), it is not unusual to see long queues of householders filling jugs at the experimental plant.

Architects' Informal Gets Well Under Way

Due to the signal success of the Architects' informal last year, plans have been made for another one to be held Saturday evening, November

The Club Room of the Art Institute will be the scene of the dance. In contrast to the informal last year, this one will be sponsored by the entire architectural class instead of by the freshmen alone. By having members of each class on the committee it is hoped to have a greater degree of enthusiasm displayed by the students.

was to have a petition signed by all those who have signed will be able to obtain bids. The size of the club room naturally limits the size of the crowd. This week will be the last opportunity to sign the petition. Bids sell for \$1.50, and none will be sold at the door.

As in the previous year, a competition for a bid design was held. Louis Smerz, a freshman architect won with points to his credit for economy, character, uniqueness, and That a freshman won interest. out in the contest was a source of surprise and some chagrin to the upperclassmen.

The members of the committee for the dance are: Krol, '33, Andersen, '33, Zikowski, '34, and Forsyth, '35.

At the next meeting the patrons and patronesses will be chosen.

Campus Club Seeks Enlarged Quarters

In order to accomodate the unusually large membership of the Armour Tech Campus Club, an application for additional rooms has been presented to the Dean's office.

At present there is an enrollment of 47 members, and there are a number of men who have been enrolled provisionally pending the granting of more space. If the hopes of Art Viel are realized, these men and more can become members.

Formative plans for the holding of the annual event, the chess tournament, are being made. This tour-One plan devised by the committee | nament is open to all students at Armour, and in the future, as in who desired to attend, and only the past, the Campus Club rooms will be available for all matches. Chess men will be supplied by the club as well.

This tournament is held, not for a prize, but for a title, and all players-good, bad and indifferent-are invited to register with Dan 1. White. The purpose of the tournament is mainly to keep alive the keen interest which exists at Armour for a really brainy game.

NEW BOOKS

The Great Astronomers H S. Williams

Our New Ways of Thinking

George Boras The Stars in Their Courses

J. H. Jeans

Humanism and Science C. J. Keyser

Science and First Principles F. S. Northrop

> The Logic of Science H. R. Smart

> > Modern Science

J. A. Thomson

Barber Shop 200 East 31st Street Haircuts 40c

Henry Frank's

RESTAURANT

3117 Wentworth Avenue

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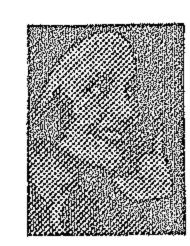
Truly Modern

"" S C

Cigaratra"

"I'm certainly grateful for Lucky Strike. It's a truly modern cigarette for it gives me modern throat protection. And your improved Cellophane wrapper is wonderfully modern, too. It opens without any coaxing -c flip of the little tab and there are my Luckies."





A famous and beloved picture star while still in her 'teens—blessed with breathtaking girlish beauty—could fate have been kinder to Loretta Young? She's the very incarnation of young loveliness. If you have not seen her in First National's "Rulling Voice," do so.

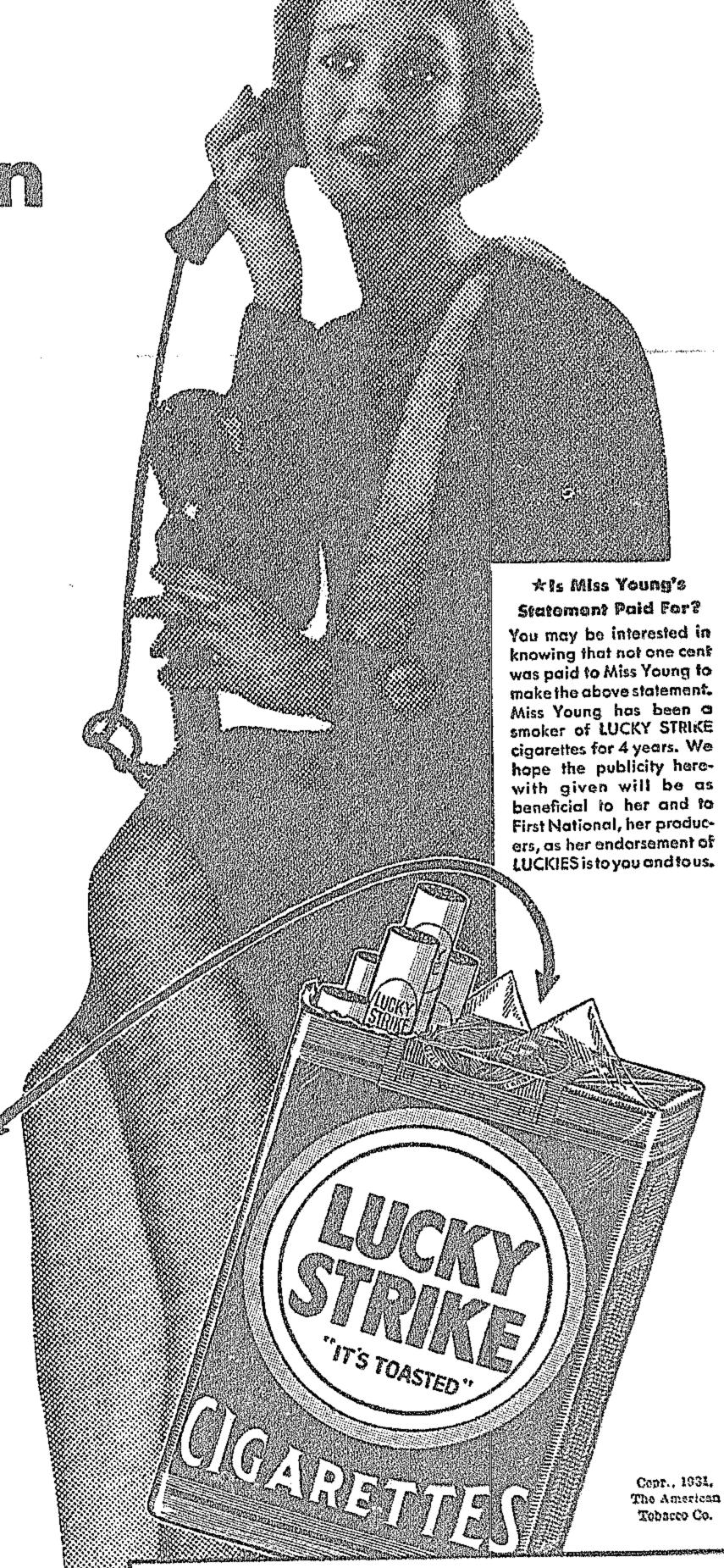
That LUCKY tab! Moisture-Proof Cellophane. Sealed tight-Ever right. The Unique Humidor Package. Zip—And it's open! See the new notched tab on the top of the package. Hold down one half with

your thumb. Tear off the other half. Simple. Quick. Zip! That's all. Unique! Wrapped in dust-proof, moisture-proof, germproof Cellophane. Clean, protected, neat, FRESH! - what could be more modern than LUCKIES' improved Humidor package - so easy to open! Ladies - the LUCKY TAB is -your finger nail protection.

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And Moisture-Proof Cellophane Keeps that "Toasted" Flavor Ever Fresh

TUNE IN-The Lucky Strike Dance Hour, every Tuesday. Thursday and Saturday evening over N.B.C. networks.



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