



## BASEBALL SQUAD TAKES ROAD FOR WEEK END GAMES

### Michigan State, Western State to Furnish Competition

#### STEHRNO TO PITCH

Western State Normal and Michigan State Normal, reputed as the two outstanding teams on Armour's schedule will be met this week end. Coach Kraft, Manager Woods, and the assembly of men will journey to the Ore State, where they will attempt to subdue Michigan State on Friday and Western State on Saturday.

The team's activities against these Michigan squads is sure to tax the players to full capacity. Good hitting and pitching will be in demand in each game. Western State's impressive record of one defeat against seven victories is a good indicator of how much competition can be expected from them. Above all, Western State takes its place in line as the only team that has defeated Armour and incidentally the only team that has ever defeated Stehrno since he donned the Armour uniform after emigrating from the freshman class.

#### Tech Out to Avenge Defeat

Stehrno's determination, coupled with the team's resolution to make amends for this loss, is sure to stimulate considerable rivalry when Armour crosses its bats with the Ypsilanti aggregation.

The team's two recent triumphs in overtime games gave evidence that it packs the punch that is in demand when two equally matched teams wage their struggle for superiority. Robin's field generalship, together with his base hits, have gone a long way in making the coming season a successful one.

Long distance hitting by Vic Omiecinski and good place hitting by Pepe, Young, Mago, Sommers and Moskowitz have likewise elated our Coach.

#### Armour Favored Against Mich. St.

Armour has conducted a number of successful campaigns against Michigan State Normal in the past few years, yet each game proved to be a hard tussle. This season's record of Michigan State's activities has not been revealed, but if past records bear any significance in the way of predicting the probable outcome, it may be well to predict that another blistering contest is in store.

The Armour team will leave Thursday evening and are expected to return Sunday morning.

### Mechanicals Inspect Fisk Street Station

About twenty-five Senior mechanicals will visit the Fisk Street Station of the Commonwealth Edison company today. According to Professor Gebhart, who is to accompany them, the station is not representative of modern practice, but because of its age, will be of historical interest.

Installed in 1903, it was the first all-steam turbine electric generating station in the world. The original installation of three 5000 k. w. generators and one 8000 k. w. unit, all of the vertical type, has been removed. The present equipment consists of ten 12000 k. w. units and four units ranging from 20,000 to 35,000 k. w. These are of the modern horizontal type.

It is interesting to note that the 32 boilers which supplied steam for the original four turbines could not furnish sufficient steam for even one of the present large turbines.

This old generating station is on the nature of a white elephant on the company's hands and is used for heavy load and emergency periods.

## Artistic Chemical Wins Distinction

The much coveted Schmier-Chemiker award is becoming more and more desirable, as our students in the chemical engineering department continue to delve into parts unknown. The brilliant engineer, who now steps forward from the field of chemistry and presents his justifiable claim for the trophy, is one Frank Podlizec, Ch. E., '31.

Mr. Podlizec considered himself to be well within the bounds of safety, on the afternoon of Wednesday, April 27th, when he was in the midst of operations for producing dimethyl aniline. For some unknown reason, some small safety factor, which spelled either success or failure for the experiment, escaped his eye. This same small factor of safety spelled failure for Mr. Podlizec on this particular afternoon.

Before he could quite grasp the situation and make amends for his miscalculation, the ingredients of the apparatus precipitated themselves on the walls and ceiling in one of the most attractive arrays of frescoed foliage that might well compare with many medieval wall paintings. A marked resemblance could be noted between Mr. Podlizec's creation and any well proportioned Christmas tree.

Immediately following his exhibition, Mr. Podlizec was heard to make the remark that, because of his prowess as an artist, the students of the department would not dare to impress the appropriate award upon him. Quite contrary to his beliefs however, the senior class of the chemical engineering department unanimously voted him the well known Chemiker trophy within two hours of his performance.

## Chemicals Hear Talk Given at City Club

Chemical engineers in the making heard Dr. Karl Johann Freudenberg of the University of Heidelberg, speak on "Optical Activity and Configuration" at the April meeting of the American Chemical Society last Friday evening at the City Club.

The address helped to make more realistic the conceptions of a general subject which is of great importance in organic chemistry. The optical behavior of tautomeric forms is a valuable factor in the study of compounds containing asymmetric carbon atoms.

Dr. Freudenberg's research work has dealt mainly with natural organic compound. Much of his work on such substances such as as tannin, catechol, lignin, sugars, and insulin has been of great value. He has served as a professor in several German universities, and is now professor of chemistry at the University of Heidelberg. In addition he is visiting professor of chemistry at the University of Wisconsin. He came to Chicago where he is giving two lectures at the University of Chicago in addition to the one last Friday.

The usual group meetings were held at 8:45 after the main lecture. An Eastman educational film, "Glass Blowing Technique" proved the most popular with the Armourites in the audience.

## Sixty Couples Attend Interhonorary Dance

Sixty couples were present at the Interhonorary Dance held last Friday night in the Town Club of the Knickerbocker Hotel.

The novelty of the arrangements made for the dance, which was sponsored by eight of Armour's honoraries, was the chief reason for the huge success which crowned the event. Alumni as well as active members and pledges attending, showed by their enjoyment of the occasion that the efforts of the committee were appreciated.

## HUMBOLDT PARK AGAIN LOSES TO TECH RIFLE CLUB

Last Thursday the Armour Tech Rifle Club again came out victorious in a meet with the Humboldt Park Gun Club. This is the second time they have beaten this team. Armour and Humboldt Park are having a series of meets that runs over a period of three years. Each year there are two indoor meets and one outdoor meet. The total score to date is 2643 for Armour and 2576 for Humboldt.

In this last meet, three men tied for first place with a score of 274 out of a possible 300. These men were Helmick and Hollmann of Armour, and Show of Humboldt. The team had a score of 1332 against 1314 of Humboldt. The cup, which is to be awarded permanently after the three years, now reposes in a glass case outside the treasurer's office in the Main Building.

The outdoor meet will take place next October at Fort Sheridan. Here the distance will be 50 and 100 yards. This is a long range, for the team has been using 50 and 75 foot ranges.

A week ago Saturday the Illinois Rifle Association had its annual meet at the Palmer House. In this shoot the best teams in the state were entered. Even against such difficult competition, the Armour Club came out with second place, missing first place by only two points. The members of the team received silver medals to add to their growing collection.

In this meet, Armour competed in the metal sights class. Western Electric, conceded to be the best team in the state, was first with a score of 665; Armour was second with 663; and McHenry was third with 619.

In the competition with telescopic sights, the Illinois Bell Telephone Company was second, but their team had a score of only 627 points, so Armour beat them. The Illinois Bell Telephone Company team is the state champion for the 75 foot distance, as Armour is for the fifty-foot. Thus, Armour had a higher score in the meet than did the state champion team, who use telescopic sights.

The Armour Club is now trying to arrange a shoulder-to-shoulder match with the Western Electric at their range, and hope to win this meet, if staged.

This week there will be an important meeting of the club in order to elect officers. Every member should be present. The exact date will be posted upon the bulletin board.

## Electricals See Wire Manufacture Movies

Three reels of film unfolded the story of cable insulation to those attending the A. I. E. E. meeting last Friday at 10:30. This pictorial comparison of the old and new methods of insulating cables brought to light the progress made in this branch of the electrical industry in the last few years.

In the older processes, rubber in a liquid state is applied to the wires and cables by means of dies. The newer process differs somewhat from this. The wires are covered with several sheets of thin rubber, one heavier rubber coat, and is then enclosed in a tin case especially designed for this purpose. After being subjected to a vulcanizing treatment, the tin mold is stripped and discarded.

It is claimed that this method cuts production costs considerably and results in a better appearing and stronger insulation.

The film was shown through the courtesy of the Public Service Company of Northern Illinois, and the Okonite Company.

## Lecture Given on Grinding Wheels

"Points About Grinding Wheels and their Selection" was the topic of Mr. J. H. Davey, a representative of the Brown and Sharpe company of Providence, Rhode Island, in his two hour talks before the classes in machine tool work which met on Monday, Tuesday and Thursday.

A presentation of some of the outstanding factors which govern the choice of abrasive wheels used for the thousand and one tasks of modern industrial practice, brought out a concept of the rules and conditions governing choices where guessing is an expensive and difficult practice.

The manufacturing process was explained and samples of crude natural and synthetic abrasives were exhibited in various conditions, together with bottles of the different shellacs, clays, and bakelite which are used to hold the abrasive particles together.

The system of grading, classifying, and testing the finished grinding wheel was explained in considerable detail. It seems that the wheels are classified as to hardness by letters ranging from A to Z, the inspectors identifying each one by feeling it with a screwdriver. Experienced inspectors can thus place each wheel in the right class with amazing speed and accuracy, although the faculty takes much time to develop.

Bakelite is the bonding material employed in high speed cutting discs used in mass production for cutting materials such as heavy bars. This material is used because it is not affected by high temperatures, whereas other bonds give way on heavy duty. One of these disks was shown to the class.

The importance of keeping a wheel in condition after it has been properly selected and installed was stressed. Mr. Davey cited several interesting cases where the performance of universal grinding machines was poor due to neglect of the abrasive surface on the grinding wheel. Truing is accomplished by application of a diamond to the surface until the desired effect is acquired, in fact, specially shaped small wheels are faced in this manner.

In conclusion, the speaker answered questions on sundry phases of machine shop practice and distributed copies of the company's catalog.

## Exhibit Steel Tank Designs Until May 10

Armour students and faculty members will be afforded the opportunity of viewing the designs submitted by architects, in the recent competition sponsored by the Chicago Bridge and Iron Works to develop a general aesthetic improvement in the character of elevated steel tanks. They will be on display April 27 and each day thereafter through May 10th at 430 N. Michigan Avenue, 7th floor, from 10 a. m. until 5 p. m.

This exhibition should prove of special interest for the first three awards were submitted by Armour men. They are Eugene Voita '25, Dave Chapman '32, Charles M. Goldman '31, and Howard W. Vader '16.

## Seven Men Initiated By Alpha Chi Sigma

Due to an error on the part of the Armour Tech News, Allen H. Helmick, Ch. E. '33, was omitted from list of initiates of Alpha Chi Sigma, chemical professional fraternity.

The men now comprising the list of initiates of Alpha Chi Sigma are: L. A. Kramer, '28; A. T. Martin, '30; P. Bestler, '33; A. H. Helmick, '33; S. Johansson, '33; A. M. Ream, '33; S. E. Winegar, '33.

The above mentioned men were formally initiated at a banquet given at the Y. M. C. A. hotel on the evening of Wednesday, April 22.

## HARVEY ROSSING CHOSEN TO HEAD HONOR 'A' SOCIETY

Harvey C. Rossing, C. E. '32 captain elect of the basketball team was elected president of the Honor A Society and Frank A. Ustryski, M. E. '32, vice-president at a meeting held last Wednesday afternoon. Captain-elect Rossing is thrice a varsity basketball letter man and has been outstanding the past year. These new men will take office next fall as is the custom of the society. The secretary and treasurer will be elected from the newly pledged men at that time.

Again this year, the Tech athletes will hold their annual "big spread", that is, the athletic banquet, as definitely announced by Clarence J. Robin. Between now and the time of the dinner, pledging of the new men will take place so that they may be presented with their emblems in an impressive way.

Some time ago the Armour Tech Athletic Association passed a ruling changing the manager's award from a small letter to that of a regular letter with the exception that the top block was to be left off and the abbreviation for manager printed on the cross bar. However, in the awards made this year a mistake was made and the regulation letter given out. It was suggested that the society award an emblem of its own to distinguish between major or minor letter men. This, however was met with too much opposition from all angles and consequently voted down.

## Eta Kappa Nu Holds Initiation Banquet

One senior and four junior electricals became members of Eta Kappa Nu, Delta chapter, last Tuesday evening at a formal initiation banquet. This was held at the Great Northern hotel in conjunction with the meeting of the Chicago alumni chapter.

The newly initiated members are: E. G. Squires, '31; G. L. Bonvallet, '32; T. A. McGill, '32; V. J. Minnick, '32; M. J. Schinke, '32.

On May 22, the alumni chapter will sponsor a dinner-dance to be held at the Edgewater Beach hotel.

#### TRUSS CLUB NOTES

A smoker was held Friday, March 6. This was followed by a radio dance given in the Club rooms Saturday, March 21, 1931.

#### Calendar

##### Tuesday, May 5

8:00 A. M., Inspection Trip—Senior mechanicals at Fiske Street Station.  
3:30 P. M., Baseball—Armour vs. Wheaton at Wheaton.  
8:00 P. M., Smoker—Phi Lambda Upsilon at Chapin Hall.

##### Wednesday, May 6

2:00 P. M.—Interfraternity Tennis—Sigma Kappa Delta vs. Delta Tau Delta, Kappa Delta Tau vs. Phi Kappa Sigma.  
3:30 P. M., Tennis—"Y" College vs. Armour at "Y" College.

##### Thursday, May 7

2:00 P. M.—Interfraternity Tennis—Beta Psi vs. Phi Pi Phi, Theta Xi vs. Rho Delta Rho.

##### Friday, May 8

3:00 P. M.—Golf—Valparaiso vs. Armour at Evergreen Golf Course.  
3:30 P. M., Baseball—Armour vs. Michigan State Normal at Ypsilanti.

##### Saturday, May 9

9:00 A. M.—Golf—Armour vs. Loyola at Loyola.  
3:30 P. M., Tennis—Armour vs. Lake Forest at Lake Forest.  
3:30 P. M., Baseball—Armour vs. Western State Normal at Kalamazoo.

## JUNIOR WEEK WILL CLIMAX ARMOUR SOCIAL ACTIVITIES

### Athletics and Singing To Be Drawing Features

#### FRATERNITIES BUSY

Junior week will be observed from Monday, May 18, to Saturday, May 23. It will be crowded with varsity exhibitions in all current sports, as well as interfraternity and inter-class athletic events, and will include social affairs of major importance. As the name implies, all of the extra-curricular activities of that week will be managed and directed by members of the junior class.

In order that the activities may be taken care of efficiently, four assistant marshals have been appointed to supervise some particular phase of the entertainment. V. R. Sandberg will be in charge of varsity baseball, tennis, and track; S. E. Grundstrom will sponsor the concert, dance, and fraternity pageants; A. J. Jungels will manage the class rush, and the inter-class and interfraternity track events; and Russel Long will have charge of the jackets, medals, cups, etc.

#### Opens With Ball Game

Junior week will open with a baseball game Monday afternoon. This will be followed in the evening by the annual open house night exhibitions. All of the laboratories and shops will be in operation, featuring the most spectacular and striking experiments to interest and entertain the visitors.

Bulletins, advertising open house night have been sent to several educational institutions in Chicago and to students seeking admission to Armour next year. Two thousand visitors went through the school at the last exhibit, and it is expected that fully as many will take advantage of the opportunity of acquainting themselves with the Institute this year.

A track meet at Ogden field is to be held Tuesday, following open house night.

Another baseball game and a tennis match will be played Wednesday. These events are to be followed in the evening by the annual home concert and interfraternity sing. All of the musical organizations and each of the fraternities participate in this event.

Thursday afternoon, the fraternities will participate in a highly competitive track meet, while the pentathlon and inter-class relay will be reserved until Friday morning. Harold L. Fox and Frank James will assist Roger Waindle, the Junior Marshal, in the management of these events.

#### Class Rush Friday

Friday is Circus day. The class rush between the freshmen and sophomores will start at 12:30. The two classes, lined up at opposite ends of Ogden field, struggle for ten minutes to capture the sand and straw sacks in the middle of the field. At the end of that time, the respective collections will be counted, and the judges will announce the winner. Following the class rush, each fraternity will present a short skit or stunt. The winner, selected by a committee of faculty members, will receive the "Circus Day Skin."

The Junior Formal, the only formal dance of the school year, will be held Friday night at the Oriental Room of the Knickerbocker Hotel, as a grand climax to the activities of junior week.

#### SEEGRIST WORKS IN OFFICE

Assistant Professor Seegrism is assisting in the work of the Deans' office for the remainder of the current year.