

ARMOUR RELAYS SCHEDULED FOR SATURDAY, APR. 2

(Continued from page 1)

ity by the Chicago papers and also by the college papers of those schools competing in the meet. From all indications, the meet should be the most important indoor competition this year.

In 1929, the U. of C. won an easy victory with 8 first places out of eleven events. One hundred college athletes competed in that meet. The second invitational meet was won by Armour. The Tech team was led by Captain Don Paul, '30, who won the shot put with a record heave of 46 feet 9 inches. This tied the Bartlett Gym record held by Weaver of Chicago, and it was not broken last year.

Last year Loyola defeated the U. of C. team by seven points, although the Midway team took five out of a possible ten first places.

This year, it is not only possible but probable that new records will be set in every event. In the first place, the 50 yard dash, 50 yard low hurdles and 50 yard high hurdles will be replaced by similar events at longer distances. Therefore, the best time in each of these events will be an Armour Invitational record, and without doubt, each of the events will be run in very fast time.

All of the middle distance records are expected to fall because of the large number of crack athletes competing in these races. It can be seen in the list of Armour Invitational records, that each of the middle distances were run in the best time in 1929, and therefore, these records have stood for three years. Following are the invitational records which will stand until Saturday, April 2.

INDOOR INVITATIONAL TRACK RECORDS	
50-Yard Dash	
East, Chicago, 0:05.5 in 1931.	
220-Yard Dash	
Root, Chicago, 0:25.2, in 1929.	
50-Yard High Hurdles	
Black, Chicago, 0:06.6, in 1931.	
50-Yard Low Hurdles	
Hayden, Chicago, 0:06.4 in 1931.	
440-Yard Dash	
Schulze, Chicago, 0:52.3, in 1929.	
880-Yard Run	
Williams, Chicago, 2:03.0, in 1929.	
1 Mile Run	
Letts, Chicago, 4:31.0, in 1929.	
2 Mile Run	
Jackson, Chicago, 10:02.0, in 1929.	
Shot Put	
Paul, Armour, 46-9" in 1930.	
High Jump	
Nelson, Butler, 6'-2 3/4" in 1929.	
Pole Vault	
Bangert, Chicago Normal, 11'-4" in 1930.	
Two-Thirds Mile Relay	
Jontry, East, Ramsey, Cameron, Chicago, 2:13.2, in 1931.	

As for the one mile and two mile runs, the records of which were also set in 1929; these records should be lowered considerably. Brooksmith of the University of Indiana, who ran the mile run in record time at the Western Conference meet, is competing in this distance Saturday. There are many fast men entered in the two mile run, and Brooksmith may be pushed in the mile run.

In the shot put event, Captain Don Paul's record may or may not be broken, but indications tend to lean toward the former result. The high jump record is under similar circumstances, but Nelson of Butler, who set the record at 6 feet 2 3/4 inches in 1929, will compete Saturday, and his best effort this year has exceeded the 1929 record by several inches. The pole vault record will be replaced by a Big Ten record, which may be two feet better than the 1930 invitational mark.

Due to the fact that a large number of relays are being run, new relay records will be set in each division. Another factor in the all-around record breaking is the superb track at the new U. of C. fieldhouse which affords all the athletes sufficient opportunity to show their speed. See you at the Armour Relays!

TECH SHORTS

ARMOUR RELAYS

Armour's name will be emblazoned on all of the sports pages of the Chicago newspapers this week because of the Fourth Annual Armour Invitational Track Meet and Relays to be held next Saturday at the new University of Chicago fieldhouse.

Five Big Ten universities, including Chicago, Northwestern, Purdue, Indiana, and Wisconsin, have definitely sent in their list of entries.

Michigan, Iowa, and Notre Dame will probably enter their complete teams also.

Grinnell College of Iowa, Carleton College of Minnesota, and the University of Missouri are the smaller college out-of-state entries already received.

Preliminaries Start at 3:30

The meet will officially start at 3:30 P. M. when the starting gun for the 70 yard dash preliminaries will be fired.

STUDENTS URGED TO ATTEND

All students are urged to attend the meet. No admission will be charged to either Armour or the University of Chicago students.

Spectators at the meet will be able to see some of the best athletes of the Middle West in action, and also the potential candidates of the United States' Olympic track team.

Tech's baseball squad will probably be practicing outdoors this week. Coach Krafft will then cut the squad to twenty-five men for the first game.

A tentative game is scheduled with Chicago Normal college for one week from Thursday at Ogden field.

Baseball League Starts April 16

The first league baseball game for Tech will be on April 16 at North Central college, Naperville, Illinois.

Last year Armour defeated North Central twice by the score of 5-2.

Armour's boxers won their fourth match of the season, defeating Culver 4 1/2-3 1/2.

This is the fourth match that Culver has lost in fifteen years, the others being to squads from West Point and Annapolis.

Boxers at Valparaiso, Friday

The boxing team will have its final match of the current season next Friday at Valparaiso, Indiana.

Tech's team should easily win the meet according to pre dope. They defeated them in the Armour gym three bouts to two, Marcus, MacDonald, and Sandstrom winning their matches.

Illinois Wesleyan college won the Little Nineteen swimming championship with a total of 62 points, winning all first places. Armour's swimmers have beaten this team in a dual meet by a 45-30 score.

Several of Armour's tennis stars have been practicing in Tech's gym in the past few days.

Quadrangular Meet Today

Armour's track squad will engage in a quadrangular meet at five o'clock tonight with Morton, Crane, and Chicago Normal at the University of Chicago fieldhouse.

Five outdoor meets with Elmhurst, "Y" College, Lake Forest, Milwaukee State Teachers, and Bradley Tech have already been scheduled.

Captain Chuck Jens will enter the shot put event in the C. A. A. U. championships tomorrow night at the 124th Field Artillery armory. He won a third place medal last year.

A medley distance relay team will also be entered in the college relay competition.

Tech Boxers To Meet Valparaiso

Armour Tech's crack boxing team will meet Valparaiso in the Hoosiers' gym for the last meet of the season. The match will be held Friday evening, April 1. The first bout of the evening is scheduled to begin at 7 o'clock.

The card as announced by Manager Ustryski will consist of five boxing bouts and possibly two wrestling matches. The affair promises to be interesting with the Armour pugilists gunning for the fifth victory of the season.

A little over a month ago Armour and Valparaiso fought it out in the Tech gym. The home pugilists succeeded in winning three of the five bouts, thus giving Armour the decision by a score of 3-2.

Armour Boxers Confident

The Armour boxers have every reason to feel confident that they can defeat Valparaiso again. Just ten days ago the Tech pugilists did themselves proud by defeating the championship Culver squad, which has been defeated only four times in fifteen years, and had taken eight of ten bouts against Valparaiso this season.

The following Armour men have been matched for the Valparaiso encounters: Captain Sandstrom 126 pounds; Schaville 125; Marcus 145; McDonald 143; and Heckmiller 154 pounds. The two wrestlers for Armour are Talaber 155; and Tiensuu 145. Their opponents had not been selected before the *Armour Tech News* went to press.

Industrial Research Institute Is Outlined

(Continued from page 1)

have recently been approached for membership in the college corporation have indicated that there is a keen interest in the industrial research institute. Development of the Institute, except for the corporate overlap, will be entirely independent of the college. The Director of the Institute will be responsible to his corporate members, and will have no connection whatever with the President of the college.

Inasmuch as the industrial research institute will be paying its own way after two or three years of operation, trustees feel that as soon as the \$75,000 or \$100,000 necessary for building and equipment can be obtained, the institute should be established and should start to operate. The staff may be built up gradually as industry demands and is willing to pay for specialized work. It seems probable, therefore, that the industrial research institute will be completed and operating within two years.

Mellon Institute Does Work At Cost

Mellon Institute of Industrial Research does all of its work at cost. For every \$1,000,000 paid in to the Institute, Dr. Weidlein estimates that over \$5,000,000 worth of results is turned back to industry. It seems entirely reasonable, therefore, that a small charge—perhaps ten per cent—be made by the institute here. Trustees plan to use this income to establish fellowships in the graduate school of the college of science and engineering similar to those maintained by the alumni research foundation at the University of Wisconsin. Men holding those fellowships work to originate problems which have industrial or commercial application. As fast as these problems are solved, the results are patented and the income from the patents is turned over to the University. The yearly income from these patents at the University of Wisconsin has been over \$800,000. As it is planned for Armour Institute, any such income will be divided equally between the graduate and undergraduate schools of the college, and trustees believe that eventually it will be used to build up endowment.

Thus in addition to the direct services which it may perform for industry and for the college, the industrial research institute may be seen as an important means of support for the whole new educational structure; indeed, it may be the means by which that whole structure will become permanently independent.

Track Team to Meet Three Colleges Today

Armour's track team has entered two other meets for this week besides the relays. The first of these two meets will be a quadrangular meet with Crane, Chicago Normal and Morton on Tuesday. This will take place at the University of Chicago field house at 5 o'clock.

The other meet will be the Central Amateur Athletic Union track-meet, which will be held tomorrow at 5 o'clock in the 124th Field Artillery Armory at 52nd and Cottage Grove Avenue.

Captain "Chuck" Jens, who took third last year in the shot put, will enter that event, and the relay team will compete in the 1 1/4 mile medley relay. The relay team will be composed of E. E. Sademan, one mile; S. Lind, one half mile; and either K. S. Hirsch or J. Roberts will run the quarter mile, depending upon who makes the best time in the quadrangular meet. The 220 yard dash will be run by Kreuzenkamp. Last year the relay team took third place with the University of Chicago first.

Most of the Big Ten track teams will enter men and their relay teams. The Illinois Athletic Club, last year's team champions, will be entered. Sentman, lately of Illinois, who holds the records for the hurdles in the Big Ten, is now with the I. A. C., and will probably be entered in the Central A. A. U. meet.

Coming indoor and outdoor track meets are schedules as follows:

March 29—Quadrangular meet
Crane, Chicago Normal, Morton and Armour.

March 30—C. A. A. U. Meet.

April 2—Armour Relays.

April 9—Elmhurst College.

April 26—Y. M. C. A. College.

April 30—Lake Forest.

May 7—Milwaukee State.

May 14—Bradley Tech.

Class Averages Somewhat Lower

(Continued from page 1)

Mechanical Engineering84.6%
Electrical Engineering84.0%
Civil Engineering83.6%
Architectural Engineering82.7%
In the following groups the lists are arranged according to the seniority of their establishment at the Armour Institute of Technology:

Honorary Fraternities (Scholastic)

Tau Beta Pi92.92%
Pi Tau Sigma91.88%
Eta Kappa Nu91.88%
Chi Epsilon91.62%
Phi Lambda Upsilon92.26%
Salamander92.35%

Honorary Fraternity (Non-Scholastic)

Pi Nu Epsilon88.6%

Honor Society

Sphinx89.56%

Professional Fraternities

Scarab89.11%
Alpha Chi Sigma88.10%

Social Fraternities

Phi Kappa Sigma84.83%
Delta Tau Delta82.33%
Theta Xi82.88%
Sigma Kappa Delta87.71%
Phi Pi Phi83.63%
Rho Delta Rho86.90%
Sigma Alpha Mu81.11%
Triangle85.27%
Beta Psi83.15%
Kappa Delta Epsilon88.53%

The average of all the students belonging to the Phi Kappa Sigma, Delta Tau Delta, Theta Xi, Sigma

Rifle Club Gets New Equipment

Now that the backstops on the rifle range have been repaired, the classes in Chapin Hall recline at ease. Until recently, the students were puzzled as to whether it was Al Capone visiting the Institute, or the riflemen getting in trim, as the old backstops had become so delapidated that the impact of the bullets was very audible throughout the building. K. L. Hackley, with the able assistance of Claude Blankenship, took charge of the repairing of the range and replaced the old backstop by newer and more modern equipment.

Kappa Delta, Phi Pi Phi, Triangle, and Beta Psi fraternities (fraternities that rent or own their own chapter houses) is 84.6% for this semester. The average of all other students is 83.8%.

This is a summary of the scholastic standing of the members of the freshman, sophomore, junior, and senior classes of the college of engineering and architecture, who were in attendance during the first semester of the school year, 1931-1932. In this computation, for the first time, the averages of all the classes were figured by the scheme which gives the grades more or less weight according to the number of semester hours in the course.

ALICE RESTAURANT

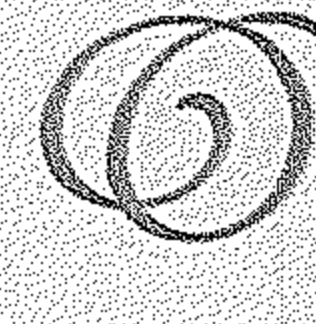
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Armour Tech Relays



SATURDAY, APRIL 2, 1932

University of Chicago Field House

Preliminaries at 3:30 p. m.

Admission 50c

Finals at 7:30 p. m.

Armour men admitted free