



LAKE FOREST AND WESTERN STATE IN BASEBALL PICTURE

Armour Team Expected To Win Both Games

TEAM IN CONDITION

If history can repeat itself, Armour will defeat its two toughest opponents this week, when the team clashes with Lake Forest College, tomorrow and Western State Normal on Friday.

Tomorrow's conflict will take place at Lake Forest, while Friday's game will be at Ogden Field.

Western State's recent victory over Wisconsin, a team which garnered six victories before meeting their conquerors, serves as sufficient evidence that the real test for Armour's strength is in store.

Lake Forest Shows Form

Coach Krafft's experience with Lake Forest's teams, likewise shows that an exceedingly good opponent will provide Armour with the competition. Krafft is still somewhat undecided on the matter of picking his staff of regulars. The opening day line-up appeared to be his best bet, but several substitutions in the following games proved to be quite advantageous.

Armour will be assured of good pitching this Wednesday, as Stehno, is Krafft's selection for the mound. There is yet some uncertainty on the selection for Friday's game, but the guess that both Lynch and Stehno will share the duties, is sure to hit its mark.

Lynch's Performance Excellent

Lynch's spectacular performance against North Central College just about solved Krafft's problem of finding a pitching mate for Chief Stehno. If Lynch can repeat as effectively against Western State, he will be welcomed to the Armour ranks for the next three years.

Western State totes a line-up of powerful hitters. Wood, Decker, Denner, Cooper and Thomas of that team have been effective against all hurlers and are undoubtedly determined to continue in the same capacity against our ball throwers.

Armour's showing the past few games produced many items which caused our Coach to express confidence in the team's strength.

When the Kraffts men cross bats with Lake Forest, every bit of their offensive power will be in demand. Lake Forest has limited Armour to only a few runs in each of the games played in past years. The game last season was prolonged to 14 innings before the teams finally decided to call the game off with the score deadlocked at 1-1.

Play Morton Monday

Before the next issue of the ARMOUR TECH NEWS is distributed Armour will mix in another baseball game when the team matches Morton Junior College on Monday, April 27. The game was originally scheduled for April 10, but was postponed.

Morton, lacks the baseball reputation that most of the other college teams have, but there is evidence that they do not lack baseball technique. Their last game was played against North Central and turned out to be a 3-1 loss. Outside of failing this one time Morton is pacing along quite successfully.

Following is the probable starting line-up in the Armour-Western State game:

ARMOUR	WESTERN STATE
Maskowitz, ss	Wood, 2b
Pegg, rf	Decker, cf
Robin, 1b	Denner, 3b
Mago, 3b	Thomas, c
Omicinski, 2b	Swafford, 1b
Michalski, 1b	Cooper, ss
Sonnenberg, cf	Mackay, lf
Stehno, p	Neigund, p
Link, c	Johnson, rf

Honorary Dance To Be Held May 1

Nine Armour honorary organizations are sponsoring a dance which is to be held at the Tower Club of the Knickerbocker Hotel on Friday, May 1. Bob Woodruff, collegiate orchestra of nine pieces will furnish the music.

Tau Beta Pi, Chi Epsilon, Pi Nu Epsilon, Pi Tau Sigma, Phi Lambda Upsilon, Eta Kappa Nu, Honor "A", Sphinx, and Salamander are promoting this affair.

For the first time in the history of school dances something new in the way of decorations and entertainment will be offered. The hall is to be an imitation of a modern night club, and all the embellishments of such a place are included. It is hoped that the police won't mistake the place for a real night-club and spoil the evening by a raid.

F. B. Attwood and R. Eddy, who comprise the dance committee, announced that all active members, pledges and alumni are eligible to attend this event. Bids are \$2.50 and may be obtained from the committee or from the officers of the various organizations.

Students Give Talks At A.S.M.E. Meeting

Two themes, widely dissimilar in nature but alike in interest, were presented by H. R. Davis and R. F. Waindle at the meeting of the A.S. M.E. held during the open hour last Friday morning.

Member Davis, using "Electric Tabulating Machines" as the title to his talk, described these machines and showed the many uses to which they may be applied.

Cards about 3"x6" are used to record the data to be tabulated. These may be time cards, production records, or, as used by our government, census material indexes. The system employed is not unlike the use of perforated rolls in operating a player piano, since holes of a certain shape are punched through the cards in accordance with any desired classification. Then when the cards are fed into the machine at random, they are sorted and tabulated at the rate of 75 per minute.

As can be easily seen, information gathered from many sources may be readily filed for reference, thus creating a rapid and flexible means of accounting records. The convenience offered to such branches of industry as cost accounting or charge determining by gas and electricity concerns puts these machines in great demand.

Mr. Waindle in his subject: "The Century of Progress Exposition," chose a topic that was naturally of great interest to engineers in the making. In addition, his audience was made cognizant with many aspects of the fair about which they were ignorant.

Honorary Fraternity Initiates Two Men

Salamander, honorary Fire Protection Engineering Society, held an initiation at the Theta Xi House on April first. E. A. Scanlan, Jr., and G. W. Schodde were the two men initiated. Professor Holmes, J. V. Parker, Fitzhugh Taylor, W. R. Townley, R. M. Beckwith, R. O. Matson, and C. J. Hauch were also present.

The Annual Banquet of the Society was held on April 8 in the Green Room of the Knickerbocker Hotel. There were fifteen men present with Professor O. F. Robinson acting as toastmaster.

ALPHA CHI SIGMA BANQUET

The Armour Chapter of Alpha Chi Sigma, professional chemical fraternity, will hold a banquet Wednesday evening, April 22, at the Y. M. C. A. Hotel. The active chapter will be hosts to the faculty members and the alumni.

POSTPONED FROSH DANCE WILL TAKE PLACE ON FRIDAY

Date Change Effected by Co-operation of All Parties

TO USE SAME BIDS

The Freshman Dance Committee has been rounded up by an Armour Tech News Staff Detective with good results. The first man to be cornered by the detective, inquiring reporter, copy boy and what not was L. A. Callen, Social Chairman. After an hour's interview, he reluctantly admitted that the dance will be held April 24. He then ran off to a class.

B. H. Peterson was found at the track meet last Tuesday. He admitted that Elmer Kaiser was going to play but declined to add to this information.

Amid profuse blushes V. Rimsha said that the place of the dance was the Illinois Women's Athletic Club. He started to tell all about the dance but left out the important facts.

The detectives next encountered L. Lynch, who was asked about the price of the bids. He proved to be a hard man from whom to get information. Like an expert fencer he parried every leading question of the inquiring reporter. But at last he weakened under the third degree, shouted out that the bids would be \$2.50, and ran towards the Armour Cafeteria.

The copy boy then met T. Peavey who started giving out information before any questions were asked. He began by telling how pleased the committee was with the cooperation furnished by both the Illinois Women's Athletic Club and Elmer Kaiser and his band. Both of these organizations agreed to the necessary change of date at no additional cost. This member of the committee also explained that the bids would be the same as originally printed but that the programs were being reprinted. He then asked the reporter what time it was, mumbled something, and disappeared down Federal Street in a cloud of dust.

L. Sullivan was next recognized. But as he had to see a man about a duck in exchange for two bids he could not tarry long.

The class officers: R. Cheatham, D. S. Manson, F. Lowry, and R. Drum were making up a pool to go to the one who sold the most bids. There were three straight pins, one bent pin, and half a broken test tube in the pool. They advised the reporter that there was a chance that all the Freshmen might not get to go to the dance because the upper classmen were scalping the bids.

The reporter left while the four officers rushed a prospect. He, the member of the fourth estate, returned to the news office, put a typewriter and some paper together, and scrawled this article.

Electricals To See Movies On Friday

"Singe Ridge" is the title of a group of moving picture films to be shown Friday at 10:30 at a meeting of the A. I. E. E. in Room D Mission.

The processes of copper wire manufacture, the drawing of the wire and the application of the insulators will be shown in detail. These moving pictures, which will take thirty five or forty minutes to run, are being furnished through the courtesy of the OKonite Wire Company.

ATTEND CRANE CONFERENCE

Dean Penn and Professor Perry attended a conference at Crane Junior College last Friday morning. The purpose of this meeting was to begin a survey of the drawing courses given in the Chicago High Schools.

Whitfield Earns Advanced Degree

Among those receiving degrees at Columbia University this June will be Marshal Whitfield, Ch. E. '30. Whitfield will be awarded his degree of Chemical Engineer, which he won in phenomenal time. The usual time for the earning of this degree is three years. At the same time he left for Columbia, Whitfield promised that he would make the grade in two years. But even this mark he bettered by a full year.

Last year news was received at the Institute that Whitfield had been awarded a fellowship to Columbia University. Along with a letter announcing the award, Professor McCormack received a very complimentary note regarding the esteem that is held for the Armour Chemicals by the authorities at the eastern school. Professor McCormack said at that time that he felt certain that Whitfield would uphold the standards set before him. This he did and went at least one full step better.

Electricals Inspect Telephone Company

Telephone relays, four hundred thousand in number, serving fifty thousand stations, and taking care of three thousand calls per day, were inspected by the Senior Electrical class on a trip last Tuesday, April 14, made to the Wabash Office of the Illinois Bell Telephone Company. The equipment and apparatus at this office cost five million dollars.

The method in which the dial telephone operates was thoroughly explained and the operations traced from the time the subscriber lifts his receiver to the time the call is completed. The use of machine switching was developed and improved at the Bell Laboratories.

The bell ringing generators are run by motors which take either direct or alternating current. This type of motor is used so that in case the a. c. service is interrupted, power may be obtained from batteries, and the telephone operation will continue.

The battery room has a large number of twenty-four and forty volt batteries, which are charged and discharged periodically.

The cables enter through large ducts under the streets. These cables are lead covered and contain from twelve to sixteen hundred conductors. There is ample space left for more racks in case of expansion.

Calendar

Tuesday, April 21

The Institute closed all day in memory of Dr. Alfred E. Phillips.

Wednesday, April 22

3:30 P. M.—Baseball: Lake Forest vs. Armour at Lake Forest.

Thursday, April 23

4:00 P. M.—Baseball games:—Beta Psi vs. Delta Tau Delta. Sigma Kappa Delta vs. Phi Kappa Sigma.

5:00 P. M.—Glee Club practice.

Friday, April 24

10:30 A. M.—A. I. E. E. meeting in room D—Mission.

11:30 A. M.—A. I. Ch. E. meeting in Physics Lecture Room.

3:00 A. M.—Baseball: Western State Normal of Kalamazoo vs. Armour at Armour.

8:30 P. M.—Freshman Informal at I.W. A. C.

Friday and Saturday, April 24 and 25

All day, track—Drake relays at Des Moines, Iowa.

Saturday, April 25

9:30 A. M.—Golf—Loyola vs. Armour at Evergreen Golf Course at 92nd and Western.

Monday, April 27

3:30 P. M.—Baseball—Morton vs. Armour at Armour.



Dr. A. E. Phillips

JUNIOR FORMAL TO BE HELD ON FRIDAY, MAY 22

No definite location or orchestra for the Junior Formal have as yet been selected by the social committee.

Since this is the only formal of the college year every effort is being made to make it the most elaborate dance of all. The number of bids is limited and as they are sold as soon as the sale is opened those intending to attend are urged to purchase them as soon as possible.

The Oriental Room of the Knickerbocker Hotel has been tentatively reserved. The committee is now engaged in comparing orchestras. Definite announcements as to their decision may be printed in the next issue of the News.

The Junior Formal climaxes the social activities of Junior Week and according to the members of the committee it will be a fitting climax. The members of the committee are:

J. J. Casey, chairman; J. E. Bryant, J. B. Dirkers, O. G. Linnell, G. W. Schodde.

The dance will take place Friday evening, May 22.

Civils Hear Talks On Highway Design

Three of a series of five lectures on "The Design of Concrete Highways" were delivered on Monday, Wednesday and Friday of last week by Mr. W. E. Barker, chief highway engineer for the Portland Cement Association, to the junior and senior civils.

Mr. Barker's talks which are of a purely educational nature, might be termed as a short course in road design. His main intention is to provide the student with a knowledge of the fundamentals of this type of work. For this reason, the students have been furnished with pamphlets on "Highway Maintenance and Construction," which describe the process in detail.

In his lectures to date the speaker has been concerned mainly with the design details of concrete roads, but in successive speeches of this week he will present the construction features of this modern type of road.

The "civil" students have praised the interesting manner in which Mr. Barker has presented his talks and looked forward to the resumption of them on Monday and Wednesday of this week.

A. I. Ch. E. Members Will See Pictures

Three reels of film illustrating the processes of manufacture of nitrocellulose will be shown at a meeting of the Armour Branch of the American Institute of Chemical Engineers to be held at 11:30, Friday April 24.

The films are being supplied through the courtesy of the Brevoille Lacquer Company of North Chicago, Illinois. A representative of the Hercules Powder Company, of Wilmington, Delaware, will address the student and faculty members.

DR. A. E. PHILLIPS SUCCUMBS AFTER FIVE WEEK FIGHT

Faculty and Students Mourn Passing of True Friend

HERE SINCE '99

Students and faculty alike were grieved to learn of the death of Professor Alfred Edward Phillips, head of the department of civil engineering, on Sunday, April 19th, at about seven o'clock in the evening. Professor Phillips had been at the Presbyterian Hospital for the past five weeks for a period of extended observation, and finally succumbed to a complication of diseases.

The funeral services were held yesterday afternoon at three o'clock from St. Luke's Episcopal church, Lee and Hinman Sts., in Evanston. The senior civil class attended the services in a body, and the student body was well represented. The faculty of the Institute was also present to render the last rites for their colleague and friend.

The active pallbearers were Professors Stevens, Heald, Ensz, and Grafton, and Messrs. Knuepfer and Hafner, while the honorary pallbearers were Doctor Raymond, Dean Penn, Professor Wells, former Professor Campbell, Mr. Allison, and Mr. Guerin.

Professor Phillips held an enviable position in the eyes of the many student who studied under him and with his associates at the Institute. This is perhaps best shown in his acquisition of the name, "Pa" Phillips, a name which he appreciated and liked through the feeling that was behind it. The men with whom he associated respected him for his wisdom, his accomplishments, and his kindly personality. Professor Wells, who studied under him at Purdue in a small class, and who knew him intimately, says, "He was the most kindly man I ever knew; the fairest and squarest man; a real scholar and student. He had a wonderful and pleasing personality."

The civil engineers who studied under Professor Phillips will always remember him as a well-versed engineer. (Continued on page 3)

Fire Protects Visit Street Car Shops

Senior Fire Protects had a fine opportunity to come in contact with the work of a large repair shop and the fire hazards which accompany this work when they inspected the repair shops of the Chicago Surface Lines. The shops are located at Crawford Avenue and Madison Street. The Fire Protects inspected these shops on their regular Friday trip last week.

All the cars owned and operated by the Chicago Surface Lines are repaired and rebuilt at this plant. The plant is extremely well equipped to do any job of repairing or rebuilding that may come up, as it consists of complete units of machine, pattern, forge, paint, wood-working, metal working, and electrical shops. An important part of the electrical section is the large armature shop, where such work as rewinding the motors in the street cars, and repairing all the electrical equipment, is conducted.

In the machine shops such jobs can be done as turning out car wheels. The shop is equipped to do work from turning rivets to turning car wheels.

In the woodworking department the repairing or rebuilding of all the frames and interiors of the cars is carried on.

The entire plant is equipped to turn out a complete new car. The plant is an unsprinklered risk as the sprinklers would be ineffective in case of a fire in a car.