



Armour Tech News



Vol. VIII. No. 2

Armour Institute of Technology, Chicago, Illinois

Tuesday, September 29, 1931

ARMOUR AWARDS SCHOLARSHIPS TO THIRTY-FOUR MEN

Freshmen and Seniors Share In All Awards

SENIORS RECEIVE FIVE

A total for thirty-four scholarships for one year's tuition have been awarded for the coming school year. Of these five were awarded to Seniors and the other twenty-nine to freshmen.

The Senior Awards were as follows: The *Malek Loring* scholarship was awarded to Y. E. Weldy; one *Edward G. Elcock* scholarship was awarded to Carl A. Erickson, C. E.; another *Edward G. Elcock* scholarship was awarded to Max J. Schinke, E. E.; the *Catherine M. White* scholarship was awarded to Stanley M. Lind, Ch. E.; and a *Bernard E. Sunny* scholarship was awarded to George L. Bonvallet, E. E.

The Freshman scholarship recipients and their schools are listed below:

Argo Community H. S. Emil Adamec
(One-half each semester)
Walter Kott
(One-half each semester)

Austin H. S. Richard Sherk
Barrington H. S. Richard Drover
Bloom Township H. S.

Winchester Felt
Bowen H. S. Harry Beckwith
Calumet H. S. Joseph O'Connor
Carl Schurz H. S. Verner Hedlund
Crane Tech H. S. Donald John Neal
Evanston H. S. Archer Elliot
Englewood H. S. Jack N. Weiland
Fenger H. S. Jerry Andriak
Marquette Tech H. S. Frank Davis
Hyde Park H. S. Gustave Collatz
Lake View H. S. Clifford Hoot
Lane Tech H. S. Robert Esbensen
Lindblom H. S. Louis Mecklenburg
Lyons Township H. S. Lester Walters
Maine Township H. S. (Des-
plaines) Paul Troemper
Marshall H. S. Albert Lauschiskis
Morgan Park H. S. R. J. White
Morton H. S. (J. Sterling Morton)
Edwards Ulip
New Trier H. S. Barclay Jones
Oak Park and River Forest H. S.
Frank S. Cassil
Parker H. S. Robert McGill
Riverside-Brookfield Township H. S.
Henry Mayerowicz
Senn H. S. Alfred Rosen
Tilden Tech H. S.
Lawrence Davidson
Tuley H. S. Henry Dietch
Waller H. S. Russel G. Slavens

Freshmen Invited to News Staff Meeting

New men who wish to try out for the Armour Tech News are to attend a meeting in the office of the News at 5 o'clock tonight. For the information of those who are not "in the know" the News headquarters are on the first floor of Chapin Hall, third entrance, in the rear.

All members of the News Staff are requested to be present. Professor Walter Hendricks will speak to those present and Wilbur Rudolf, editor-in-chief, will tell the new members about the way the paper is run.

Since its inception, the Armour Tech News has proved its ability to carry on without having the work done by faculty members, or by a small group of ambitious students. Aspirants for positions on the News will find that willingness to work will be considered above ability and experience in newspaper work.

Professor Hendricks Again Proud Father

Professor Walter Hendricks acquired an addition to his family on July 30 this summer when a son was born at Franconia, New Hampshire. The boy, who will be able to boast of the cottage of Robert Frost, the poet, as his birthplace, was named Geoffrey.

Petitions Used For Nominations

Petitions for the election of Junior class officers were decided upon at a meeting in the assembly hall, Friday, Sept. 25, at 10:30.

Due to the decreased number of students in all departments, a very heated discussion came up as to the minimum number of signatures on the nominating petitions. The number was finally fixed at twenty-five. In past years the election of officers was made by a standing vote but this caused a great deal of confusion. The procedure being used this year, in which nominating candidates are elected to office by ballot, was experimented with last year. The outcome was encouraging as the election proceedings were carried out smoothly.

Committee to Be Chosen

G. Berglund was appointed by E. Sademan, last year's president, to select a petition committee. It is highly probable that each department of the Junior class will be represented in the committee.

These petitions must be in the hands of G. Berglund or the committee members by Friday, Oct. 2.

The two candidates for each office having the highest number of signatures will be selected and a vote by ballot will follow.

As the activities of the Junior year are of major importance, the election of officers promises to be closely contested, and hence, very interesting.

George Beemsterboer was appointed manager of the Junior baseball team and everybody present was urged to attend the first practice session.

AN OPEN LETTER

To the Students
Armour Institute of Technology
Chicago, Illinois.

Gentlemen:

Fire Drills are now required in all schools and colleges. The ultimate penalty for their non-observance is the closing of the buildings. On the sounding of a fire signal the buildings must be vacated at once.

The fire alarm is a prolonged blast of the siren in all buildings. On hearing the alarm, vacate the buildings at once. Do not stop for hats, coats, and books.

"Safety First" is most important, and therefore all should remember to proceed as follows when vacating the buildings:

(1) From Main Building, cross the street to the sidewalk on the east side of Federal Street.

(2) From Mission Building, remain on sidewalk on the south side of 33rd Street and proceed some distance east of the entrance.

(3) From Machinery Hall, remain on the sidewalk on the north side of 33rd Street and proceed some distance west of the entrance.

(4) From Chapin Hall, remain on the sidewalk on the east side of Federal Street and proceed some distance north of the entrances.

The above rules are necessary in order to avoid interference with the operations of the fire department.

Your full co-operation in the above duties will be deeply appreciated.

Howard M. Raymond, President.

Freshmen Handshake Being Planned Now

On Wednesday, October 7, the freshmen will have their annual handshake. The newest pupils of Armour will here have a chance to meet their upper classmen and get acquainted with their classmates.

The Handshake will take place in Mission Hall and the program will be managed by the Campus Club. Complete details will be given in the next issue of the News. Every freshman should remember the date, Wednesday, Oct. 7, at 7:30, and keep it open for the Handshake.

Chemical and Physics Labs are Painted and Remodeled

Among the numerous things that greeted the returning students were the extensive improvements that have transpired since last June. The entire metallurgical chemistry laboratory has been remodeled, classrooms have been repainted, and the physics laboratory has been improved.

Without a doubt the biggest piece of work was done in the Metallurgy laboratory. In this building all apparatus was detached and put aside while a concrete balcony was constructed. This balcony will house the equipment of the filter laboratory that was situated on the fourth floor of the Main building. In addition there will be the heat transfer apparatus that formerly was installed in the Industrial Chemistry Laboratory.

In addition to this new equipment on the balcony will be a battery of furnaces on the lower floor with many improvements as to drafts and accessibility. Much more time will be spent in this building than was formerly the case.

All the drain pipes in the Senior Chemical Laboratory have been removed and new pipes are in their place as well as new water pipes. These new pipes are all being painted according to the National Safety Code as are the other pipes in the chemical department.

The space that was formerly occupied by the filtration laboratory will now house the office of Professor Carpenter. In addition to this office there will be the dark room and the various attendant instruments.

As a result of the removal of some of the equipment from the Industrial Laboratory to the Metallurgical Laboratory, a better spacing of the remaining equipment will be practical. This new arrangement will facilitate the work in this department.

The Electrochemical Laboratory has had its share of attention also. New tables have been installed and an additional set of lockers have been purchased.

A partition has been removed in the Physics Laboratory and the entire room has been painted and remodeled. Many new arrangements have been made for the use of instruments to their best capacity.

Classrooms A, B, and C in the Main Building still show the mark of the painter's brush. A new coat of white paint coupled with the new lighting system that was installed last Spring makes Science Hall a place of cheerful brightness. And last, but surely not the least interesting, is the new bronze face on our old friend, the clock on the second floor Main.

DOCTOR RAYMOND ADDRESSES FROSH AT FIRST MEETING

The school's greeting was officially extended to the new students by President Raymond, Dean Penn and Dr. McNamara at the 10:30 assembly held last Tuesday morning. It is customary to assemble in this fashion all the incoming men and to familiarize them with some of the more important customs and conventions which are part of the social scheme at Armour.

There is a certain lifting of restrictions when a man comes to college from the average high school and a word of advice is more or less necessary and desirable at the beginning of the first semester.

Dr. Raymond explained that a large part of the operating expense of the Institute is furnished by alumni support, and hence the school is entitled to a choice of students from the applications which come in every fall. This is a fact with which few of the men are usually acquainted, and should explain why it is possible to operate the school with such reasonable fees as are charged at the present time. These fees are quite low in comparison with those demanded at the majority of the other better class engineering colleges operating under a self supporting plan.

A further note of welcome was introduced by Dean Penn. He urged the men to consult the office when in difficulties, such as those which usually arise in connection with transfer of credits, arrangements of special programs and contemplation of advance work, etc. This function is a very valuable feature which is available to the students at all times and it is advisable that radical departures from conventional schedules be passed upon before it becomes too late to make any reparations.

Dr. McNamara concluded the proceedings with a few words on hygiene.

Social Fraternities Begin Rush October 8

Friday the Interfraternity Council held a meeting to decide on the dates for Rush Week. J. R. Jackson, Jr., president of the Council, announced that it has been decided to start rushing at 8:30 on the morning of Thursday, October 8, the day immediately following the Handshake. It will end Tuesday, October 13, at 8:00 P. M.

PROGRAM CARDS

Program Cards should be filled out and turned in to the Dean's Office as soon as possible.

Musical Clubs Select Members

Musical activities will be well under way this week, with the orchestra tryouts scheduled for tonight in the Assembly Hall as a preliminary to the selection of regular players.

The Glee Club will again be under the direction of Doctor Protheroe, internationally known chorus conductor and who also directs the Central Church Choir, Hyde Park Y.M.C.A. Glee Club, and the Illinois Bell Telephone Chorus. The first meeting will be held next Thursday. Freshman and sophomore students are urged to be present at the try-outs.

Musical club charm awards are made to all students who have been active in musical work for one year. The following students may obtain their charms by calling for them in Mr. Allison's office.

The following have been awarded charms:

- E. G. Avery.
- M. W. Beckman.
- J. L. Brenner.
- H. E. Chandler.
- N. E. Colburn.
- A. E. Colcord.
- C. Cunningham.
- F. J. Filas.
- T. C. Fain.
- T. C. Gault.
- T. H. Irion.
- T. P. Ladzinski.
- D. F. Landwer.
- C. F. Lane.
- E. E. Lantz.
- H. D. Little.
- F. C. Lower.
- D. MacFarlane.
- G. H. Martin.
- C. L. Miller.
- T. C. Peavey.
- E. P. Reardon.
- W. H. Rudolf.
- N. Skoularinas.
- J. Tamney.
- E. G. Viktora.
- A. Weston.
- H. A. Williams.

Instructions Issued For Use of Library

Books from the Institute library are ready for circulation now. Freshman students may withdraw books from the library by presenting their registration receipts, while upper classmen may use their old cards.

The library is open daily except Saturdays from 8:30 A. M. to 5:00 P. M. On Saturdays it is open from 8:30 A. M. to 12:00 noon.

Reserve Books may be had at the desk and must be returned the following morning. All other books may be held for two weeks.

The library is intended for the use of all students. There is no charge for registration and new students are urged to take out cards as soon as it is convenient.

Seniors Hold Meeting, Setting Record Time

Demonstrating that a class can transact all its election business in ten minutes if the meeting happens to come in the open period, the seniors decided last Friday between 10:29 and 10:39 to nominate their officers by petition. In accord with the usual procedure 25 names will be necessary to make a petition valid. The petitions are to be in by Friday of this week.

The meeting was presided over by Jack Cavanagh, last year's president, to whom the petitions should be turned in when completed.

LAST SEMESTER AVERAGES ISSUED BY DEANS' OFFICE

Alvin B. Auerbach Wins Straight "A" For Four Years

SCHOOL AVERAGE 85.2%

Averages of the grades of the semester ending last June, which were compiled during the summer by the Deans' Office, show that those who have ranked at the head of each class in former years have kept up their work. Alvin B. Auerbach, C. E., led the Senior Class with an average of 97.5%—a straight "A" for eight semesters. Max J. Schinke, E. E., a junior, kept his position at the top with an average of 96.1%. James W. Juvinal, E. E., in the sophomore class averaged 96.4%, while Harold Goldman, Ch. E., topped the frosh with 95.1%.

The average of 801 students which constituted the student body was 85.2%, distributed by classes as follows:

- The Senior Class 88.0%
- The Junior Class 86.8%
- The Sophomore Class 84.0%
- The Freshman Class 82.2%

In computing the average of the senior class each grade was given equal weight. The averages of the other classes were figured on the basis of giving each grade a weight equal to its semester hour equivalent.

The statistics according to organization grouping are given below:

DEPARTMENTS

- Mechanical Engineering 85.7%
- Electrical Engineering 85.3%
- Civil Engineering 85.4%
- Chemical Engineering 85.1%
- Fire Protection Engineering 86.4%
- Architectural 82.4%

The following groups are arranged according to the seniority of their establishment at the Armour Institute of Technology:

HONORARY FRATERNITIES (Scholastic)

- Tau Beta Pi 93.2%
- Pi Tau Sigma 91.3%
- Eta Kappa Nu 91.9%
- Chi Epsilon 93.1%
- Phi Lambda Upsilon 92.5%
- Salamander 92.3%

HONORARY FRATERNITY (Non-Scholastic)

- Pi Nu Epsilon 88.2%

HONOR SOCIETY

- Sphinx 91.1%
- ### PROFESSIONAL FRATERNITIES
- Scarab 90.8%
 - Alpha Chi Sigma 87.5%

SOCIAL FRATERNITIES

- Phi Kappa Sigma 85.0%
- Delta Tau Delta 83.5%
- Theta Xi 84.3%
- Sigma Kappa Delta 87.1%
- Phi Pi Phi 85.3%
- Rho Delta Rho 86.52%
- Sigma Alpha Mu 84.2%
- Triangle 86.0%
- Beta Psi 86.44%
- Kappa Delta Tau 85.5%

The average of all students belonging to the Phi Kappa Sigma, Delta Tau Delta, Theta Xi, Sigma Kappa Delta, Phi Pi Phi, Triangle and Beta Psi fraternities, (fraternities that rent or own their own chapter house) is 85.35%.

The average of all other students is 85.15%.

In the above the following numerical values were given to the letter grades:

- A=97.5%; D=67.5%;
- B=90.0%; E=50.00%;
- C=80.0%; Cr.=80.0%.

These averages include all members of the Freshman, Sophomore, Junior, and Senior Classes of the College of Engineering and Architecture who were in attendance during the second semester of the school year, 1930-1931. In this computation the grades in Physical Training were omitted. A credit (Cr.) either for work at the Armour Institute of Technology or for work elsewhere, was considered equivalent to a grade of "C."

School Enrolls 287 Students

Figures from the Dean's office concerning the latest entrance statistics show the following enrollment:

Freshmen	242
Sophomores	229
Juniors	188
Seniors	160
Special Students	8

Total 827

We hope that the steady decrease in numbers will not alarm the freshman unduly. This is a natural phenomenon, which occurs every year.

The distribution of students in the various departments is as follows:

M. E.	183
E. E.	171
C. E.	153
Ch. E.	105
F. P. E.	93
Arch.	122

Total 827

This is a slight decrease over the 1930-31 figures which gave the enrollment as 870. The departments of architecture, fire protection engineering, chemical, and electrical engineering show a decrease. The C. E. course has the same number of students and the department of mechanical engineering shows an increase. The reduced number this year is due to the fact that only 242 freshmen were admitted as compared with 291 of last year.

CALENDAR

- Tuesday, September 29
4:00 P. M. Baseball, Junior Practice, Ogden Field.
- 5:00 P. M. News Meeting, News Office.
- 5:00 P. M. Orchestra Practice, Assembly Hall, Mission.
- Wednesday, September 30
4:00 P. M. Baseball, Freshman Practice, Ogden Field.
- Thursday, October 1
4:00 P. M. Baseball, Senior Practice, Ogden Field.
- 5:00 P. M. Glee Club Rehearsal, Assembly Hall, Mission.
- Friday, October 2
4:00 P. M. Baseball, Seniors versus Juniors, Ogden Field.
- 4:00 P. M. Professor Tropsch First Lecture Physics Lecture Room, Main.
- Monday, October 5
4:00 P. M. Baseball, Sophomores versus Freshmen, Ogden Field.

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Student Publication of the
ARMOUR INSTITUTE OF TECHNOLOGY
CHICAGO, ILLINOIS
Published Weekly During the College Year



SUBSCRIPTION RATES

\$2.00 Per Year Single Copies, 10 Cents Each

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Vol. VIII SEPTEMBER 29, 1931 No. 2

"Ignorance can return to all with repentance."
James Fenimore Cooper,
Born September, 1789.

High Schools and the Depression

Recently it was brought to our attention that the authorities in the Chicago public high schools have noticed a more sincere attitude toward study on the part of the students under their control. Such an attitude argues a commendable trait in the character of modern youth. Apparently, during this time of depression, they realize their responsibility and rise to meet it.

Obviously the reason for their serious manner is to be found in the straitened financial circumstances in many families that are a by-product of the wide-spread unemployment situation.

These high school students probably are actuated by two motives. In the first place, they realize that they are a burden upon their families and realize that they must make the most of the opportunity given to them by parental sacrifice. They appreciate the fact that their chance for an education is made possible by the utmost unselfishness on the part of their fathers and mothers.

Secondly, they are constantly brought into contact with indisputable proofs of the necessity for preparing themselves as well as possible for the task of earning a living. A consideration of the desperate circumstances in which many people are to be found at present would make anyone of ordinary intelligence acquire as great an advantage as may be in the potential struggle of life.

This attitude is highly commendable and the present-day high school students are to be congratulated on it.

Increased Enrollment in Colleges

The registration records of schools and colleges throughout the country show a general tendency toward increased enrollment this year. Apparently, many people who otherwise would be working are using this period of depression to add to their education. Of course this migration toward the colleges is much more noticeable at a public school than at an institution of Armour's type, where tuition is required.

Many people are in the habit of deploring the lack of common sense betrayed by the majority of men and women, especially those of the younger set. This movement toward educational institutions should be of considerable value in eradicating any such uncomplimentary opinions. It is a demonstration of adaptability that is credit to the youth of the entire nation.

It may be argued that a person who goes to school merely because he happens to have the time will not have as much interest in his studies or apply as much energy to his work as a student who has planned on attending. Many of us, however, will agree that any person who is sufficiently interested to enroll after being out of school for some time probably will do at least a reasonable amount of studying.

This display of common sense by members of our own generation is quite a pleasing spectacle and leads one to believe that they are of the type that is dependable in emergencies.

"The Slipstick"

Cleave to "The Slipstick"; let
the Slapstick fly where it may.

UNRESTRICTED LAWLESSNESS AGAIN!!

The rules and regulations of manliness have again been violated. One person has taken it upon himself to disobey the few unwritten measures set down to govern the actions of mankind, in such a manner as to bring shame on himself and his classmates. His associates may well be blamed inasmuch as they knew he was committing an offense and tolerated it notwithstanding.

It should not be necessary to call attention to the code of gentlemanly action which must be upheld by every student, but, on account of a few who think themselves privileged characters, it is often required. When one's mind turns so that he breaks such rules it is time to act. Not time for the deans to act, but for that person's classmates to do so. The officers of this institution cannot be expected to punish every infraction of rules; but the class may do very much good by adopting such measures as will prevent further violations. We hope that such will happen to the student who has brought shame onto himself and his class.

He was caught red handed and gave a full confession. The most inexcusable feature was that the offense was committed in front of the main building before hundreds of students and a few of the faculty. The culprit stood there for fully fifteen minutes before a passing senior took a hand in the matter.

Let this case be an example to the rest of the student body. It is not hard to refrain from certain licentious practices. We hope that others will govern themselves accordingly, and hereafter operate their yo yos at home rather than in front of the main building.

We were out to visit old Fort Dearborn one day last July. Kind of a small place, of course, and we can't for the life of us see why the Indians wasted so much time capturing such a small outfit as the fort where there are some luxuriously fitted hotels a few blocks away.

Tramp: "No, you can dig your potatoes better than I can. You planted them and know where they are."

Stale Joke No. 5

Boss: "Rastus, was yo at de meetin' at yo lodge las' night?"

Rastus: "No boss, de meetin' was pospone."

Boss: "How come?"

Rastus: "De Gran' All-Powerful, Invincible, Unconquerable, Most Supreme Potentate don got beat up by his wife."

And among the various bits of knowledge we acquired during the summer session of the school of hard knocks was that it is not impossible to step back into yesterday. Difficult? No, just tie up to north pole region and stop two miles from the pole. Then, at noon of today, walk for an hour at four miles per hour. You will have then reached a point two miles beyond the pole and it will be 1:00 A. M. yesterday morning.

FRESH SOPH

Contributor to Armour Engineer: "What do you think of this article? Give me an honest opinion."

Editor: "It's not worth anything."

Contributor: "I know, but tell me anyway."

Stale Joke No. 6

"Well old Bill Emptyhead has played his last practical joke."

"Is that right. What did he do?"

"Yes, he died, and in his will bequeathed his brains to science."

The freshman class is to be congratulated on the business-like methods. Not one of them was inveigled into purchasing tickets for the tank in Chapin Hall.

But our office was mobbed by anxious and eager-eyed beginners who wished other publications. Proceeds from the sales of trig suiz answer books and Tech Grid Schedules amounted to \$26.35. This amount was turned over to the fund for maintaining seven year graduates.

Make money this winter by selling flypaper. There's no competition!!

Da Daze Noce In Pitchers

In picture one we see J. Fletchplocker Grump who has just discovered a new chemical which will destroy every soldier in the United States, if each man drinks a pint of it. Picture Two is that of a giant supper-cannon which can throw a half pound projectile the unheard of distance of one block. In the event of war it is used for sending telegraph messages. In peace times it is used as a cannon. In picture three we have a vivid description of a new ten foot twelve gauge quintuple-barrelled revolver for twenty-two's (blanks only). The last photo is of a detachment of the standing army lying (either verb applies) on horseback. More tomorrow.

Sorry we have to call them stale jokes but according to Mark Twain there but eleven original jokes, hence the rest must all be stale.

Freshmen! The office of Guardian of Diplomas is now open. Applications will be taken in the Office of the Deans.

They say that the well dressed man will wear button top shoes this fall. In this institution of practically minded men we doubt if there will be many well dressed man. If he should appear we doubt whether he will be well dressed with respect to his footwear very long.
The Bongineer.

Sholto M. Spears

A Biographical Sketch

Professor Sholto M. Spears, assistant professor of civil engineering, was born in Scottsville, Kentucky, on August 29, 1900. He comes of a "technically inclined" family, his great grandfather having conducted the first accurate survey in the vicinity of his birth, and having taught the theory of this work in the schools of Kentucky at that time. His grandfather also followed the teaching profession and his father was principal of the high school in Scottsville.

Consequently, when Professor Spears finished his grammar and high school education, the natural impulse was to continue the family tradition and become a teacher. To further realize this ambition he enrolled in the Western State Teachers' College for one year. However, finishing the course offered there, he turned to technical work and began a four year civil engineering curriculum at the University of Kentucky. Here, while taking the regular work, he became student instructor in drawing, and held this position for three years.

As a student he was active in the Triangle social fraternity, a chapter of which is at Armour, becoming national secretary. He held the latter office at the time the Armour chapter was founded.

In recognition of his scholastic standing and good character he was admitted to Tau Beta Pi, honorary engineering fraternity. He also participated, to a great extent, in the activities of the W.S.E.

Professor Spears received his B.S. in engineering from the University of Kentucky in 1922 and later in the year married Hester Gamboe of Lexington, Kentucky. He has two children, a boy and a girl.

For the past nine years, he has been with the Ogle Construction Company, builders of locomotive coaling stations, commercial ash handling plants, and kindred structures. His work with this company consisted of the design for these constructions.

When asked what his hobby was, he said that he was "an ardent shooting fan." His ardor has made him secretary of the Ridge Community Rifle Club, an organization operating on the south side of this city. He told of a match held recently between the Armour Rifle Club and his team, in which the Ridge Community Rifle Club was beaten.

His interest in shooting, he says, will impel him to take an interest in the rifle club at Armour and he intends to become a member of that organization.—E. W. C.

Faculty of U. of C.

Chooses Book List

The faculty of the University of Chicago has recently completed a tentative list of books to be used by the students of the general courses as reference works. The work of compiling the list has taken almost a year because of the great number of books from which to choose.

The list as offered at present cannot be taken as final because the faculty members themselves say that changes may, and probably will be made from time to time. For example, there are some books barred from the list because it is impossible at present to get enough copies of them to meet the demand that would be occasioned by including them in the group to be read. If this difficulty is removed these books may be added to the list.

Most of these books will be available for the students to rent, thus eliminating the considerable expense attached to buying them. A few will have to be purchased but they are only eight or ten in number.

The following is a list of the better known of the books selected by the University of Chicago. Some Armour men may be interested in reading them.

- Homer, "Iliad" and "Odyssey."
- Tacitus, "Annals" and "Germania."
- Dante, "Divine Comedy."
- Chaucer, "Canterbury Tales."
- Cellini, "Autobiography."
- Petrarch, "Letters."
- Malory, "Le Morte d'Arthur."
- Cervantes, "Don Quixote."
- Hugo, "Les Miserables."
- Ibsen, "Hedda Gabler."
- Dickens, "Oliver Twist."
- Thackeray, "Vanity Fair."
- Mark Twain, "Huckleberry Finn."

REVIEWS

BROTHERS IN THE WEST

By John Reynolds

This novel, the first from the pen of this young writer, received the distinction of winning the Harper Prize for the best novel of the season 1931-1932. It is an unusually fine piece of work on a new theme. In this day of rewritten plots, time-worn phrases, and similar sequences, it reminds us of an oasis in the literary desert.

It portrays the love that exists between two brothers. Wandering through the West of 1850, they encounter a great many hardships but through them all shines the clear light of their firm affection.

Although their daily contacts consist of series of banterings and what appear to be petty quarrels, the true strength of their deep characters is more accurately portrayed in their short phrases as they ride across the mesa.

Another part of their character flickers upon the silver screen of the story when they both love the same girl.

Primitive in their basic natures, they know no God but that of the first man. Passion burns in them like a clear, blue flame. But one of the brothers curbs his emotions and helps the other win the woman of his choice.

Essentially the brothers are men of the woods. They settle down for brief periods but the longing for the open often masters their wild spirits. A dark scowl on the face of one of them predicts a precipitous departure for an indefinite period in the wilds.

The death of Karin, wife of one of the brothers, causes an unusual procedure. These men fear only death. They take the body of the dead woman and ride away with it even as she rode with them in life.

Carefully they climb a high mountain with the corpse. In difficult places the body is handed from one to another. When the top is gained, they build a huge funeral pyre of pine and cremate her. Their wild passion for the untamed country could not let them perceive of a more fitting end to earthly existence.

The author chooses his words with astounding adeptness. Smooth, clear, and concise is the style. The story flows on at an even steady pace without a halt.

At no time is the reader conscious of the form. A wholesome interest in the lives of the characters is all that concerns the reader.

An extreme moralist, unfamiliar with the free and easy life of our first Western pioneers, would be shocked at many of the things told by the author in a natural, unemphasized vein.

At times the author allows his imagination to fill in the gaps in the story. But he keeps the interest of the reader so securely that the latter is never conscious of these flights in the imaginary realms.

As a final analysis the book is different, it is interesting; it is not without value; and it is well worth the time spent in reading it. O. T. B.

CHEMICALS HEAR DR. SCHLESINGER AT THE CITY CLUB

Several upperclassmen of the Chemical Engineering Department were present Friday evening at the City Club to hear Dr. H. I. Schlesinger, Professor of Chemistry at the University of Chicago, address the regular monthly meetings of the Chicago Section of the American Chemical Society. The subject of the lecture was "New Methods of Preparation, and Properties of the Hydrides of Boron."

Dr. Schlesinger has been working with the boron hydrides for some time, and his descriptions showed that especially fine technique is necessary in research of this kind. Those who attended the meetings last year remember Dr. Schlesinger as the chairman who introduced the speakers, often adding to the entertainment by stories of amusing incidents in his experience.

Sophomores in chemical engineering are invited to become acquainted with the activities of the American Chemical Society by attending these meetings. They are held once a month on Friday evening. A banquet is served before the meeting, but the student need not attend, and in fact they seldom do. The main speaker of the evening is introduced at seven-thirty and after the address the meeting separates, and one may attend any one of six or more group meetings. Last Friday the students saw a demonstration of glass blowing at one of the group meetings.

New Physics Course Attracts Many Men

A meeting of all those interested in Dr. Thompson's course in Electron Physics, to be offered for the first time this semester, was held last Friday at 10:30 A. M. Twenty-four juniors and seniors were present, but only half of the number can be accommodated, due to the limited laboratory space. Those men who registered last semester will be given preference.

The course will be a study of election characteristics, atomic structure, and certain phases of radio activity. The text is Hoag's "Election Physics". Much valuable apparatus has been constructed by Dr. Thompson during the summer and the Institute has been spared quite an expense by his work.

Tuition Lowered With Scholarship

Millsaps college, at Jackson, Miss., has a sliding scale of tuition. Students averaging ninety or better in grades pay \$75 a year, those averaging between seventy-five and ninety pay \$100; and if the average is below seventy-five, the fee is \$125. The averages for the previous year's work are used as a basis.

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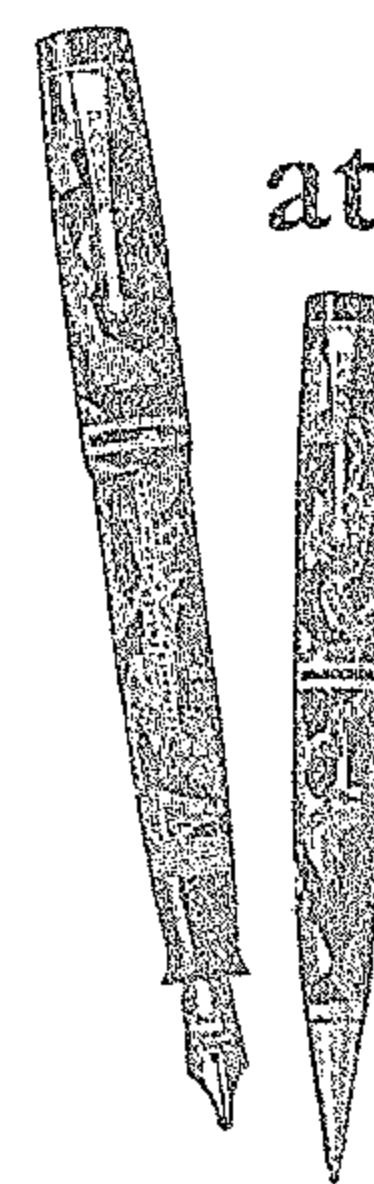
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Home Cooking

First Time at School Opening

The New Burgundy Red and Black Parker Duofold

They're ready—Parker's latest creations—first time shown at a school opening—the new Burgundy Red and Black Matched Pen and Pencil sets. Rare beauties, as radiantly colorful as wine-colored crystal. See them now at your nearest Parker dealers. Take a pair to class and you'll have the newest in the Guaranteed for Life Duofold Pen. Not \$10 as you would expect—but only \$5 or \$7—due to largest sale in the world. The set—Junior size Pen and Pencil, \$8.75; Lady Duofold Set, \$8.25.



FAMED SCHOLAR TO LECTURE IN ASSEMBLY HALL

German Physical Chemist at Armour

Beginning this week on Friday afternoon at four o'clock in the Physics Lecture room, Professor Tropsch of Prague, Czechoslovakia will give a series of lectures to the senior chemists. There will be a lecture each week throughout the year at this time.

From a chemical standpoint, Professor Tropsch's interest is in the study of catalysts and the use of these catalysts in the synthesis of paraffin hydro-carbons. The theme of his lectures is to be catalysts in chemical reactions.

Probably the contents will be the methods employed in the preparation of catalysts, testing catalysts for efficiency, and the technique of conducting catalytic reactions.

In addition to the attendance of the senior chemists at these lectures there may be men present from the practical engineering field. The latter have been invited to take in these lectures if they can find time, for the subject matter to be given has never been scheduled before at Armour or at any other school, for that matter, in this country.

The chemists are extremely fortunate in having Professor Tropsch for these lectures. A good part of his life has been spent in the study of catalyst materials and he is considered a world authority on them. Not only has he conducted research in this field, but he has also written ninety-four books on the subject.

The titles of these texts range from "On Derivatives of Lutidinic Acid and Alpha Gamma-Diaminopyridine", his first book, to "Experiments on the Influence of Carbon Dioxide on Reduction," his fortieth publication, and to "The Composition of the Products Obtained in Petroleum Synthesis," his ninety-fourth text. All of his works have a wide circulation.

Professor Tropsch was born on July 10, 1889. From 1907-1912 he attended a German technical high school in Prague and the German University, also in Prague. Then in 1913 he received a Degree of Engineering from the technical high school in Prague.

From 1912 to 1914, Professor Tropsch was assistant to Professor Hans Meyer at the German university in Prague.

The dye-stuff industry claimed the attention of Professor Tropsch next. He was engaged in this branch of work for the next two years from 1914 to 1916. In 1916, teaching again claimed his attention. This time at the Kaiser Wilhelm Institute in Ruhr.

Professor Tropsch was with the Institute for one year before branching off into the coal tar industry. He was a chemist in this industry for three years, being there from 1917 to 1920.

After three years in the tar industry the professor went back to the Kaiser Wilhelm Institute as an assistant director, being located in Ruhr for a period of eight years from 1920 to 1928.

In 1928, Professor Tropsch returned to Prague to become a director in the Coal Research Institute of Prague. He also became connected with the "Privatdozent Deutschechn Hochschule" in Prague.

Cavanagh to Attend Honorary Convention

Jack Cavanagh, President of the Armour Chapter of Tau Beta Pi, will attend the annual convention of the fraternity at Cleveland on October eighth, ninth, and tenth.

He will meet several other delegates in Chicago and then travel with the group to Cleveland. Here the gathering will spend the major portion of their time in the usual fraternity convention legislation with the remaining moments to be occupied with various entertainments, among which will be a formal dance.

A. T. A. A. APPOINTMENTS

Stanley M. Lind, president of the Armour Tech Athletic Association has made the following appointments. Roger Wainde as chairman of inter-class athletics; Edward H. Chun as chairman of interfraternity athletics; and Maurice S. Erisman as publicity manager.

Inquiring Reporter

Question: What do you think of the improvements that have been made about the buildings?

Replies.
T. A. McGill, E. E. '32. The improvements in the electrical and physics laboratories have made these places much more pleasant in which to work. The brighter shade of paint as well as the new system of lighting that has been installed has made a considerable improvement in visibility.

J. O. Cavanagh, Ch.E. '32. I was particularly impressed by the improvements that have been made in the metallurgy laboratory. The many improvements in the spacing of equipment in all of our laboratories has been a decided step toward better work.

Milton J. Winogrand, Ch.E. '33. I think that the improvement that was made in Science Hall has been the thing that impressed me most. The upper part of the room with its white paint supplements the extensive lighting system that was installed last Spring makes this room one of the most modernly equipped of any that I have seen.

J. R. Jackson, Jr., F.P.E. '32. Now that a load has been taken off of the heads of the news staff, cleaner and better news may be expected to come forth from the renovated offices. The improvements for the office (and the school) were much needed.

Emmet Scanlan, F.P.E. '32. I was impressed by the new face on the clock just outside the electrical department office. It should inspire greater bursts of speed on the part of those who rely on it when they are late to classes in the Main Building.

L. G. Wilkie, C.E. '32. The several improvements which have been made in the buildings have been needed for some time. The new radio laboratory will be greatly appreciated by the men who take the course. I also notice that sirens have been installed in Chapin Hall. Science Hall also has been decorated so that it looks more attractive.

V. J. Minnick, E. E. '32. The new lights which have been installed in the library, in Science Hall, and in several other rooms will prove to be conducive to better work among the students. I think the Armour Tech News office looks much better with its walls cleaned and a few coats of paint applied.

An Untimely Deluge Traps Locker Owners

Unfortunately for the readers of this paper the omnipresent eye of this humble member of the fourth estate happened to wander into the basement of the Main Building last Friday. And the result of this aimless wandering is herewith presented in a woeful tale of student suffering.

It appears as though Jupiter Pluvius smiled upon the dear old earth in a bountiful fashion on this all-important morn and the viaducts were refreshingly flooded. Yea, even the basement of Main received its just due in the aqueous line. In other words several inches of water surrounded the lockers in the lower portion of school.

With all the expressions of dismay known to man plainly written on their faces, stood a group of students. (Professors please reconstruct the foregoing sentence before reading it.) Of course they were not standing in the aforementioned water but were perched in precarious positions along the stairs and banisters leading to their nemesis.

An enterprising young engineer constructed a wooden bridge from the stairs to the lockers. But due to an overloading (personally I think he forgot to consult his strength book) the bridge collapsed and many shoes became submerged in the murky rainwater.

Professor Bibb Is Now Convalescing

Professor Bibb of the mathematics department has not yet returned to school this semester due to illness. He has been confined to his bed with a severe case of septic poisoning. His recovery has been slow, but he hopes to be back on the job sometime this week. During his absence, his classes are being conducted by Professor Spencer.

The Standard Volt

Being a Treatise on the Thury System of Gastronomic Taxation

By the Bongineer

The local standard volt, now on display in the Marine Dining Room of the Institute, is a gift from the late head of the Department of Clerical Engineering, who is now on a pension marking calc papers. The presentation was made shortly after the donor had obtained the third degree for his work on wormodymaniacs.

This standard volt, of the unsaturated type, is one of the most precise and inaccurate in existence; being always at least ten motorcycles off of its assigned fluency. But this condition is due simply to the fact that the exo-gravie crystals of cadmium are not of the piezo-electric type. For this and other reasons the volt is soon to be removed to a padded cell in the cable vault under the intersection of Federal and Thirty-third Streets. The keys may be obtained in the Phys. Lab. but will not be available to any student who is less than twelve reports behind in his work. The standard volt is caliperated no less often than umpteen times each century in our own steam plant by our own freshmen who attain an accuracy of nine places on the slide rule.

In the process of caliperation, which is interesting, if true, the volt is put in a hieroglyphic frequency sifter in order to kill off any foreign stamps or prohibition agents. Thus purified, the liquid is gasified until solidified, whereupon it is nullified, vitrified, and finally diversified to the extent that upon being further fortified, it becomes both amplified and certified. This process then ends in the liquid containing, aside from the standard volt juice, thirty percent water, forty-five percent oxygen, fifty-nine percent nitrogen, twenty percent miscellaneous, and thirty-two percent of the rest of the constituents. Accounting for about two percent of the component parts in this manner, there is still one hundred percent which is lost to the atmosphere in the form of brickbats and dum dum bullets. If the log scales are used, the weight is just that much less.

It may be well said that the latest form of the standard volt is a distinct departure from the conventional type of seven element tube. The unusual characteristics and performance obtained are made possible only by the introduction of a second disconnection, of novel design, which extends from the automatic volume control to the oil-cup de-odorizer. It may be here stated that if the full resources of the volt be employed, the operation of sixty million washing machines, twenty-five hundred thousand curling irons, and fifty-nine hundred electric fans could be guaranteed for at least ten thousand light years with enough energy left to supply a city of three million with illumination and power for two and one-half years, providing this much electricity could be obtained from an outside source, since the standard volt will not even sustain a flashlight lamp for one minute. This simply shows the illimitable reserve of the volt and how it may be depended upon in an emergency to furnish energy

News Office Painted by Staff Members

In keeping with the general improvements being made about school, the Armour Tech News offices are being decorated.

The work is being performed by members of the News Staff, and consists of cleaning the three rooms of the offices. Walls are being painted, wall paper cleaned, floors painted or varnished, furniture varnished, and lighting fixtures improved.

These changes are being made to give the men on the paper a better place to work in and to make compiling the news easier.

The suggestion that the offices would look better newly decorated, brought a number of men to the fore who professed to know something about painting and carpentry. These fellows, including E. G. Avery, G. L. Bonvallet, E. W. Carlton, H. Davidson, J. S. McCall, W. H. Rudolf, and L. G. Wilkie, are working on the job with E. W. Carlton supervising the proceedings.

FRATERNITY NOTES

TRIANGLE

Brother S. M. Spears, Kentucky Chapter, and recently appointed Ass't. Prof. of Civil Engineering at the Institute, will help to fill up the link between the faculty and the chapter, which was somewhat broken last spring by the death of Brother Alfred E. Phillips, then head of the Civil Department.

Pledge Roy Coleman, of the Kansas Chapter, is making his home with us while working here in Chicago.

Triangle will hold its eighteenth annual National Chapter School October 10 and 11 at the St. Clair Hotel. Maynard Venema, President, and Harold Bodinson, Treasurer, will be delegates from the Armour Chapter.

BETA PSI

Beta Psi takes honor in announcing the election of Professor Mangold as National President of Beta Psi.

Brother Kubicka and Pledge Patla have strengthened the recruits by again returning to school. Patla, it will be remembered, was Captain of last year's successful Rifle Team.

PHI KAPPA SIGMA

Carroll Simons, Howard Hendricks, and Ralph Lake were representatives of the Armour Chapter at the National Convention of the Fraternity held in Chattanooga, Tenn., during the second week of September.

KAPPA DELTA EPSILON

Kappa Delta Epsilon takes pleasure in announcing the initiation of George Rosenthal, Ch. E., '34. The initiation took place at the Indiana Sand Dunes. The new domicile of the chapter will be 3215 Michigan Blvd.

A banquet was held September 17, at the Brevoort Hotel and every member was present.

SIGMA ALPHA MU

After a pleasant summer marked by two beach parties at the Indiana Sand Dunes and a formal dinner dance at the Edgewater Beach Hotel, the chapter is again together for the school year.

Aaron Poriss has returned after visiting his home in Connecticut.

Al Auerbach, C. E., '31, is taking Postgraduate work at the University of Illinois under a Tau Beta Pi scholarship.

for an army (of lead soldiers). There lies the whole secret; for further particulars, write your congressman, he knows less than you don't.

At this point it may be instructive to dwell on the reactions of the standard volt to incremental changes in flux distribution in polyphase glue pots. Of course, one must remember that since stress is proportional to strain, and since variety is the spite of life, then why live when it costs so little to dye. And another point; since the speed is operated at a higher point on the magnetization curve, it can easily be seen that if the shaft were to rotate, it would no longer be at rest.

The standard volt is kept at a variable constant temperature since the voltage decreases and rises, simultaneously, at the rate of .001118 gram per second per bushel percent on open circus. The instrument is very senseless at certain times of the day; but at other times, for precision work, it must be used in conjunction with a three phase vibrator hactilograph potentiometer which has been Reichsanstalt tested by an incompetent assistant junk dealer. Under proper conditions, which are never obtainable, a 250,000 henry current can be drawn when using the special zone mellon megohm battery operated by a clockwork motor which is kept in synchronism with an ultra-hoopedoo rectifier photolyte wrapped in an old newspaper.

A few words on the psychical construction of the standard volt will help to illuminate any person interested and will confuse everyone else. The original latest model is contained in an old tomato can which is filled with phlogistic hydroxide (edible). The saline baths prove a great invigorator and as a result the volt transmits a succession of gum wrappers until the brush potential remains constant, according to a galvanized galvanometer. A range finder is provided with an adjustable constant so that different voltages may be evicted. The gears require oiling every day once a year with a very light grade of heavy oil, and this necessity is complied with, taking care that the

Anderson Promoted by Large Concern

O. A. Anderson, '15, has been appointed head of the Architectural, Construction, and Mechanical departments of Armour and Company. The two former departments were consolidated with the later department upon the retirement of Mr. Anderson's predecessor, Mr. Robert C. Clark, who supervised the building of Armour Institute.

Worked During Vacations

Mr. Anderson first began to work for Armour and Company during his summer vacations. At this time he worked in the drafting room. Upon his graduation from the Institute in 1915, he entered the permanent employ of the company and was assigned to maintaining efficiency in the power plants.

Duties Broadened

In 1919 his duties were broadened to include the mechanical supervision of the smaller packing plants and the creameries. In 1924 Mr. Anderson was given charge of the installation and operation of all mechanical equipment in the Armour plants throughout the country and in July, 1929, he was appointed head of the Engineering Department.

A farewell dinner was given Mr. Clark by his friends in the packing and construction industries. This gathering was held at the Elks Club, at Wells and Washington Streets. Armour was represented by Mr. G. S. Allison and Mr. Palmer of the Cashier's office. Dean Penn and Dr. Raymond were invited also but could not attend.

Dr. Raymond Gives Radio Talk Today

President Raymond is scheduled to give a second talk from radio station WMAQ, under the auspices of the Adult Education Council of Chicago. This talk will be delivered at 10:40 A. M. today and will be on the subject of adult education. This is the second of three talks which Dr. Raymond is giving on this subject, the third of which will be given sometime in November or December.

The fame of the Empress Eugenie hats is spreading. The freshmen at St. Benedict's College are wearing them in place of the usual skull caps.

of the oil comes in contact with the gears. Another point worth considering is that the speed is directly proportional to any adiabatic increase in velocity. A formal proof will not be given here but may be found in any good, non-corrosive dictionary. In order to provide constant potential for distant points, the resistance is over-compounded ten percent at full overload wattage, a feature which in itself is worth double the cost of half the price which the instrument would command were its worth equal to three times the product of its value and its registration fee. It is therefore unnecessary to state that the standard volt is not only an efficient time waster, but a great economic institution, backed by some of our most influential citizens.

In our own laboratories, the standard volt is used mainly as an indicator in the phenomena of the quantum theory. In this respect it demonstrates the linearity of current response to light flux caused by ionization of the billiard balls used at the Faculty Club. Unfortunately, the metals used are extremely active and, since they do not react chemically, the use of indecent lamps is necessary. Another use of the volt is in the determination of the moment of inertia of electrical conductors and motormen as applied to the kinetic calculation of the harmonic transient reactance of vector potential rise of the potato bug. Under these conditions the standard volt becomes as accurate as a ten inch ammeter which has been dropped from a height of ten thousand feet to a concrete pavement.

In conclusion we may point with pride and view with alarm the fact that in dew time the standard volt will be a necessary evil in every testing plant, every laboratory, every gas station, and every shoe shine parlor in the city, and possibly in the nation. In this direction we are headed, and the researchers are doing a great piece of work in removing the coal piles which lay in the way of the international movement for the advancement of the demotion of the cause of the standard volt.

ALUMNI NOTES

Fred Attwood, Ch.E. '31, has recently been made advertising manager of the International Filter Company, located at 59 E. Van Buren St.

His duties include the handling of the accounts and ordering of materials for the department.

The International Filter Company deals in water treatment and purification plants.

O. A. DeCelle, Ch.E. '14, is vice-president and sales manager of the same company, while C. F. Vander Molen, C.E. '28, is service manager.

J. M. Kahn, ex-'27, and F. J. Lamars, ex-'29 are employed in the same company as sales engineers.

R. Patzelt, E.E. '31, and W. Driegot, '31, are attending the Commonwealth Edison Company school.

Manuel Yzaguirre, Ch.E. '31, is now employed by the Armour Company in their chemical research department.

Isadore Drell of the same class and department is with the Sanitary District of Chicago.

E. F. Rutkowski, C.E. '31, has transferred from the U. S. Geological Survey to the division of Highways, State of Illinois, located at Paris, Ill.

Leonard H. Dicke, Charles Wiant, and B. S. Lindquist, C.E.'s '31, have positions in the U. S. Engineer's office at 333 N. Michigan Ave.

Don Fetterman, E.E. '31, is assisting in the completion of an electrical book for the American School of Correspondence.

Harry Bailey, Ch.E. '31, made a trip to Pittsburg recently.

Willard S. Denning, M.E. '31, is in the insurance business in New York.

Roscoe H. Windbigler, C.E. '31, is in the employment of the Illinois State Highway department at Streator, Ill.

Alvin B. Auerbach, C.E. '31, is studying for his Master's Degree at the University of Illinois.

A. J. Lenke, F.P.E. '31, is working in Milwaukee with the Wisconsin Inspection Bureau.

Rifle Club Needs Several New Men

A meeting to be held tomorrow, Wednesday, at 12:30 in Science Hall will launch the Armour Tech Rifle Club into a season's activity which promises to be even more successful than that of last year. The purpose of the meeting is to get new members, especially Freshmen, who will be able to carry on in future years. If time permits after a discussion of the matches which are being planned, officers for the coming year may be elected.

Students who wish to become expert marksmen will have the opportunity of shooting with members of a championship team. Every man on last year's squad is back this year; several of them have been keeping in trim during the summer at Fort Sheridan and elsewhere. The membership, which costs \$1.25 a year, provides for the use of the range, which is in the basement of Chapin Hall, second entrance. Members may also use the club rifle (most of the team members shoot with their own guns) and have the privilege of buying ammunition at wholesale prices.

Students may use the range during any hours during which they have no classes, with the only restriction that they keep the range shipshape and observe the rules of sportsmanship.

Some time in October the Tech Rifle Team will meet the Humboldt Park Gun Club at Fort Sheridan for the first match. The men are confident of victory because of the several defeats they handed Humboldt last year.

Regular team members receive gold watch charms as awards from the school at the end of the year.

TRACK TEAM ENDS SEASON AFTER WINNING FIVE MEETS, BREAKING EIGHT RECORDS

G. Nelson and A. H. Jens Are Highest Scorers of Season

LAKE FOREST WINS OUTDOOR INVITATIONAL

Armour's 1931 track team coached by A. A. Stagg, Jr., had a very successful season winning five meets and scoring a total of 544 1/3 points.

George Nelson, '34, winning 17 first places, was high point man with a total of 135 1/6 points. A. H. Jens, '31, was second with 80 1/2 points, while Captains H. L. Fox, '31, and F. M. James, '31, and C. J. Jens, '32, were third, fourth and fifth respectively with 59 1/4, 52 3/4, and 47 points.

A total of eight school records were broken and two were tied by Tech's fast stepping tracksters and field men.

Armour Places Second

In the first indoor meet of the season at Bartlett Gymnasium, Armour placed second, scoring 28 points. Captain H. L. Fox won first place in the 440-yard dash, while A. H. Jens placed second in the 50-yard dash from a field of 25 men.

Loyola by winning seven first places defeated Armour in its first dual meet of the season 55-22. C. J. Jens scored Tech's only individual first place by winning the shot put with a heave of 38 feet, 1/2 inch. The eight lap relay team composed of A. H. Jens, Helmick, Hirsch, and H. L. Fox, also copied first place, establishing a new indoor school record of 2:16.8 for the 2/3 mile.

Tech's indoor team journeyed to Naperville for its third indoor meet; but had to be content with third place in the triangular meet won by North Central College. George Nelson starred for Armour by winning the 60-yard low hurdles in 7:4, thereby establishing a new school record. He also ran as anchor man on the 12-lap relay team, coming from behind in the last two laps to win the event for Armour by twenty yards.

Loyola Wins Invitational

Armour's Third Annual Indoor Invitational Meet held at Bartlett Gymnasium was won by Loyola with 81 points. The University of Chicago with eight men competing won five out of a possible ten first places, scoring 74 points. Lake Forest took third with 40 points, and Armour placed fourth with 34 points.

Eleven colleges represented by 120 athletes competed in the meet. Two meet records were broken and one relay record was established in the 2/3 mile relay.

East, of Chicago, won the 50-yard dash in 5.5 seconds, breaking the old record of 5.6 made by Root in 1929. Black, of Chicago, running the 50-yard high hurdles in 6.6 seconds, clipped 1/10 second off the old mark of 6.7 established by Thompson, of Marquette University, last year.

Armour, by winning seven out of a possible nine first places and scoring 53 1/2 points, won its final indoor meet of the season, defeating Sears "Y" and Chicago Normal in a triangular meet.

Nelson, freshman star, was high point man of the meet, scoring 13 points, and winning first place in the low hurdles and the 880-yard run.

Indoor Track Schedule, 1931

1. Armour Informal meet—Loyola, 94; Armour, 28; Sears "Y," 24; U. of C., B team, 15; Elmhurst, 8.
2. Loyola, 55; Armour, 22.
3. Naperville, 47 1/3; Loyola, 45 1/3; Armour, 14 1/3.
4. Third Annual Armour Indoor Invitation Meet won by Loyola, 81; U. of Chicago, 74; Lake Forest, 40; Armour, 34; Milwaukee teachers, 23; Elmhurst, 22; Chicago Normal, 10; Crane, 10; Beloit, 2.
5. Bankers' Relays.
6. C. A. A. U. Meet.
7. Armour, 53 1/2; Sears "Y," 26 1/2; Chicago Normal, 16.

Professor John Schommer, athletic director, will publish his annual message on football within the next two weeks in the Armour Tech News. It is to be remembered that "Jawn" won twelve major C's in his four years at the University of Chicago. He competed in football, basketball, and baseball.

Schommer To Referee For Big Ten Classics

Prof. John Schommer will again act as referee in this season's Big Ten football games. He has been an official for about twenty years, and many of the games are annual battles between bitter rivals of years ago.

From the fact that 60,000 tickets have been sold for the Notre Dame-Northwestern game at Soldier Field, and that the sale of tickets to other games has been of similar proportions, Prof. Schommer predicts a very good football season in the West.

The schedule of games at which Prof. Schommer will officiate is as follows:

- Sept. 26—Rockne Memorial Game at South Bend.
- Oct. 3—Nebraska at Northwestern.
- Oct. 10—Notre Dame vs. Northwestern at Soldier Field.
- Oct. 17—Ohio at Michigan.
- Oct. 24—Wisconsin at Pennsylvania.
- Oct. 31—Wisconsin at Minnesota.
- Nov. 7—Wisconsin at Illinois.
- Nov. 14—Iowa at Purdue.
- Nov. 21—Illinois at Ohio.
- Nov. 26—Du Pont vs. Male High at Louisville.

Tennis Tournament to Commence Next Week

All men expecting to try out for the tennis team should enter the fall tennis tournament, starting next week. The candidates for the tennis team can best be judged as to ability in tournament competition. Therefore the semi-finalists will be given preference in the early season games of next year.

Streb, a sophomore, will be the main spring of next year's team. He will be ably assisted by Hendricks, Paine, Lind, and Graham all of whom saw action last year. Schodde will probably become the new manager. Since none of the team positions

Outdoor Track Schedule, 1931

1. Armour, 89; Chicago Normal, 36.
2. Armour, 71; Crane, 50.
3. Armour, 73; "Y" College, 52.
4. Second Annual Armour Outdoor Invitational Meet won by Lake Forest, 73; Milwaukee Teachers, 70; Naperville, 70; Loyola, 60; Elmhurst, 49; Armour, 29; Wheaton, 27; Thornton, 17; Chicago Normal, 11; U. of Chicago, 4; Crane, 4; Morton, 4; Sears "Y," 3.
5. Lake Forest, 92; Armour, 33.
6. Milwaukee Teachers, 90 1/3; Armour, 33 1/3; Whitewater, 33; "Y" College, 7 1/3.
7. Armour, 54 1/2; Sears "Y," 36; Concordia, 20; Wilson "Y," 10 1/2; Chicago Normal, 9.

Jennings in Finals of Tennis Championship

George Jennings, '31, has taken tennis quite seriously this year. His latest achievement has been the conquering of Yamaciski and others in the Chicago City Championship matches at the Town and Tennis Club. Yamaciski, a Japan Davis Cup star, was defeated by Jennings in the semi-finals; 6-3, 6-2, 1-6, 6-2. The third set was the only one in which George experienced any difficulty. In the finals, which were played Sunday, Jennings opposed George O'Connell while in the doubles finals he was paired with O'Connell against Thalheimer and J. Harris. The results of these matches were unknown at the writing of this article.

The National Championship Tourney at Forest Hills, New York, was the scene of George's victory over K. Fisher; 11-9, 6-3, 5-7, 6-2, but in the second match he succumbed to the brilliant playing of Davis Jones; 6-4, 6-4, 4-6, 3-6, 6-4.

Jennings' efforts have garnered the following string of victories for him this season: Mississippi Valley Doubles; Muskegon Resort Singles and Doubles; finalist in Michigan State Singles and Doubles at Harvard Springs, Michigan; National Public Parks Singles for the fourth time; National Public Parks Doubles for the fifth time, paired this year with Gordon Brandt, University of Illinois star; and finalist in the Minnesota Invitational Singles and Doubles matches.

Five state championships have been taken by Jennings in the five years of his tournament playing. He has won the Wisconsin State Championship twice, Ohio State Championship once, Michigan State Championship once, and in '29 the Illinois State Championship.

Start Practice For Tournament

Although rain forced a postponement of practice for the seniors, the interclass baseball season opened Monday when the juniors took the field for practice. Managers for the various classes have been appointed, and they will see Coach Krafft about bats and balls, while the players will appear with their own suits and gloves.

These games will be a means of ambitious students getting activity points. To freshmen and new students it may be explained that ten Honor Cycles, the Armour yearbook, are awarded to the graduating seniors who have the highest number of points obtained by activity in sports, publications, clubs and fraternities, and scholarship during their four years at Armour.

In addition to this, players who perform well on the field will have a good chance to show their prowess on next year's baseball squad.

Freshmen and sophomores are urged to see their respective managers and signify their intentions of playing.

The games will be of four innings duration, and will start promptly at 4:00 P. M. Medals will be awarded to players on the winning team.

Baseball Schedule

PRACTICE

- Sept. 28—Juniors.
- Sept. 29—Sophomores.
- Sept. 30—Freshmen.
- Oct. 1—Seniors.

GAMES

- Oct. 2—Seniors vs. Juniors.
- Oct. 5—Sophomores vs. Freshmen.
- Oct. 6—Championship Game.

are permanent, let's see some of the new men handle a racket (provided it's the right kind).

TECH SHORTS

According to the latest sports' predictions, the Seniors, with eight of last year's men returning, should make a strong bid toward the 1931 interclass baseball championship.

Although the sophomores, champs of 1930, have seven men back, they will be handicapped because Huntman, star pitcher, will not be present. Last year he held the class of '31 team to three hits, shutting them out, 1-0. The freshman and junior teams will be the dark horses of the tournament.

Basketball Looms on Horizon

Five games have already been scheduled by Manager J. Owens for the 1931-32 basketball season. Practice will start right after the interclass tournaments.

The annual fall golf tournament will be held on Saturday, October 10, at the Evergreen golf course. All men intending to come out for golf should report at 8 A. M. to Manager R. E. Meagher, at the course.

The tournament will consist of 18 holes to qualify, and then the eight lowest men will play 18 holes of match play.

Pugilists to Start

The boxing team will soon start practicing in Armour's gymnasium under the tutelage of Coach "Sonny" Weismann. F. Ustryski, '32, captain of last year's team, will be the manager for the 1932 season.

Dave Pearson, '33, was elected captain of the 1932 golf team. The new manager will be appointed later.

Chief Stehno Winning Pitcher For Dubuque

Ed ("Chief") Stehno, former Tech hurler, pitched for Dubuque of the Mississippi Valley League during the past summer. Altho his team fought for last place he has a good record to show. Similar to his efforts on Ogden Field is the fact that he struck out many opposing batters, and at the end of the season ranked tenth in the league as a strikeout pitcher.

At the very outset Stehno was charged with two defeats, but immediately came back, winning seven games in a row, which was his best showing of the season. He finished the pennant race with ten victories and eight defeats.

The Chief's batting average suffered greatly because the games were played at night under flood lights, and he was unable to equal the record he made at Armour.

Between seventy-five and one hundred usher passes will be available to Armour students for this year's home football games of the University of Chicago. The games will be with Yale, Indiana, Purdue, Arkansas, and Wisconsin. Passes will be distributed on Fridays by Stan Lind, '32.

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