

Vol. 5. No. 7

Armour Institute of Technology, Chicago, Illinois

Tuesday, March 25, 1930

# INVITATION MEET AT U.

Anticipate Intense Competition Among Men in Effort to Shatter Records

TWELVE EVENTS ON SATURDAY'S PROGRAM

The Second Annual Invitation Indoor Track Meet, the outstanding sports event at Armour will be held at Bartlett Gymnasium next Saturday, March 29, at 2:30 P. M.

Invitations have been sent to Crane, Beloit, Lombard, Milliken, Illinois Wesleyan, Culver, Loyola, De Paul, "Y" College, Chicago Normal, Joliet, Cornell (Ia.), Illinois State Normal, Wheaton, Butler, Carroll (Wis.), North Central (Naperville), Concordia, North Park (Chicago), Thornton (Harvey), Knox (Galesburg), Monmouth, Morgan Park M. A., Mooseheart, Morton, and Elmhurst. Replies have not been received from all of these schools yet, but present indications are that at least fifteen schools will be on hand at the time of the meet.

Those in charge of the meet hold high hopes of many records being broken and predict, at the very least, some intense competition between the individual men of the teams rather than between the teams. This will be an added incentive for each man to put forth his best and set a few new records.

The eligibility of the contestants will be governed by the rules of the institutions from which they come. The National Collegiate rules will be adhered to in the judging of the events. Points will be awarded to individual members and not to teams. There is no entrance fee. nor fees of any other kind connected with the meet.

The program of events will be as follows:

50-yard dash, 50-yard low hurdles, 50-yard high hurdles, 220-yard dash, 440-yard run, 880-yard run, ing the first thing the leading word signs for the problem, "A Comone-mile run, two-mile run, high jump, pole vault, and shot put.

### Dr. Ivy Addresses Chemical Society

At a meeting of the Chicago sec tion of the American Chemical Society, held Friday, March 1, at the City Club of Chicago, a talk was given by Dr. A. C. Ivy, Professor of Psychology at Northwestern University Medical School, on the subject "The Gastro-Intestinal Hormones."

### F. P. E. S. Smoker Tomorrow Evening

The Annual Fire Protection Engineering Society smoker will be held at 8 o'clock on Wednesday evening, March 26, at the Delta Tau Delta House, 3155 South Michigan Boulevard.

The winner of the prize, which is offered by Salamander to the F. P. E. Freshman making the best scholastic grades for the whole first year, will be announced. The prize, consisting of a handbook, will be

awarded. The Chicago alumni of Salamander are being invited, also the F. P. E. Department and some of the men on the Scholarship Committee.

Dutch Masters, cigarettes, and refreshments are being provided in a big way so that there will be plenty for all.

### NOTICE

Starting with next week's issue of the Armour Tech News, the architects will be given a special coleach week.

Many students have asked for prints of the pictures of Dr. Lee De Forest which the News took after his speech at the assembly. Orders for the pictures should be placed in the News box in the main lobby. The prints will be on exhibition in the case above the box. Orders should be made by the numbers under the print; the charge will be | Denior Jewelry 10 cents per print.

### "LIE DETECTOR" CAUSES GREAT CONSTERNATION

Friday, March 21, an unusual assembly was called at which Leonardo Keeler, inventor of the "lie livered in about a week, the delay detector" or polygraph, demonstrated his invention. Mr. Keeler is of the state criminology department.

President Raymond asked the assembly to choose a member of the cents and on the keys, four dollars. faculty and a member of the student body. Professor Schommer and George Moore were selected Sturm personally. with loud acclamation.

Mr. Keeler started his demonstrachine came to be invented. Fifty years ago, he said, the association method was used to try to detect the guilt of a man. This method consisted in naming a word and having the subject respond by saymade him think of. Irrelevant memorative Hall," at the last meetto hide his guilt was obtained. This Marshall Field Building. register pulse action and respiratory action to accomplish the same purpose. Several men succeeded in making machines to register either one, but Mr. Keeler's is the

first one to co-ordinate both. Suspects are brought in for the machine test after other methods of cross-examination have failed, explained Mr. Keeler. They are re- bronze. assured and put at ease and there are hooked up to the detector by means of a blood pressure attachment, which goes around the arm, and a tube, which goes around the chest to measure breathing action. Their pulse actions and breathing actions are recorded on a graph by means of which it can be told whether the suspect is telling the truth or not. An innocent man may have a jumpy chart at first, but it calms down at the end. The chart of a guilty man starts out at

a low level and climbs steadily. Professor Schommer was hooked up to the machine and shown one card out of a stack of ten. The card was then mixed in with the rest of them. Mr. Keeler asked Professor Schommer to answer, "No," when asked, "Is this the card," no matter which card he was shown. By reading the chart at the end of the test, Mr. Keeler determined the correct card. Professor Schommer's graph rose steadily until the correct card was shown, and then it fell.

George Moore was a more difficult umn on the third page for their case, as he did his best to beat the news. Anybody having any per- machine. He took deep breaths, sonals or other news should turn and short breaths, and held his Marvin R. Dobberman received a them in to H. P. Richter, '32 or E. C. breath, but he could not control 2nd medal on his recent class A Kubicek, '32, before Thursday of his pulse. Mr. Keeler was able to project, A Horticultural Society determine the card.

# Cycle Receives Honorary Rating

The certificate of award won at the Ninth National Yearbook Contest of the National Scholastic Press held at the University of placed in the main lobby. contest was under the department of journalism of the University and the judges were the most competent available, according to Nor-la gold motif with raised letman Buehling. The all-American ters. superior quality in all fields, and is the highest award given. A certificate has been sent to Armour and is now in the lobby of the main building.

# Now on Campus

Senior class rings which were ordered on February 28, will be delivered to the school today and immediately distributed among the members of the jewelry committee. Men who ordered rings will be able to get them from the men who took their orders. The keys will be debeing caused by the difficulty in getting the stones for them.

Before receiving either a ring or a key, the man who ordered it must In order to have a demonstration, pay the balance due. On rings this balance is six dollars and fifty Any men who wish to order jewelry now should see Vernon

# tion by first telling how the ma- Scarab Awards Medals

Avron L. Simon and Donald G. Braun were presented the Scarab medals won by them on their dewords were mixed up with the ing of the fraternity on Thursday, words with real meaning, and by March 20, 1930. The members of timing responses, a good measure the Scarabs meet twice monthly to of whether the suspect was trying have lunch at the Men's Grill in the Professor Huntley method started a search to see if meetings are strictly informal and some machine could be made to there are generally many of the alumni present.

dedicated to those who fell in the a scholar but a politician as well World War. The competition in- He is running for Trustee of the cluded the entire Sophomore class Village of Riverside. There are and the two best of all the designs three to be elected and as yet only submitted were chosen for the med- three have been nominated. The als. The first prize was a silver election is to take place on April medal and the second prize a 8, 1930.

### Insurance Manager Outlines Office Work

Mr. Harry G. Casper was the speaker at the bi-weekly meeting of the Fire Protection Engineering Society, Wednesday, March 19, in troleum Corporation of St. Louis, Science Hall. Mr. Casper explained Missouri, will speak to the Senior the position and duties of the man-| Mechanicals and Chemicals on ager of an insurance company. He Friday, March 28, concerning posiis well qualified to speak on this tions with his company after topic as he is manager of three graduation. companies. Their system of receiving and filing policies was explained in detail. The various types of policies are all numbered and to file a record of the policy, these numbers are punched on small cards. These cards are automatically separated by a most intricate machine, which has long fingers. The Fire Protects were invited to see the machine at any time.

E. J. Ransel, president, then announced the date of the annual F. P. E. S. Smoker, and urged all Fire Protects to pay their dues so that they might attend.

Building.

## Announcements of Graduation Ready

The Senior announcement committee, headed by John W. Hurley, chairman, has awarded the contract for the graduation announce-Minnesota by the Cycle Yearbook pany. Samples of the completed of Armour Institute has been announcement cards are in the hands of the committee, who are now taking orders for them.

The cards are of two types; the first is with black or white cardboard covers, on which is This will be award won by the Cycle, represents twenty-eight cents a piece. A similar design, but upon a black leather cover, is offered at fifty-five cents. The men forming the committee, and who are taking the orders are:

John W. Hurley Emil Blomme Russell A. West Morris O. Nelson Walter D. Wilson

### PETITION PALMER TO INCREASE BIDS FOR JUNIOR PROM

Berlyn G. McLaughlin, social chairman of the junior class, today is circulating a petition asking Dean Palmer that the class be allowed to charge \$8.50 for the bids of the Junior Formal, which is to be held on May 16. McLaughlin says that unless 150 names are obtained, the dance must be run at a Dr. Lee De Forest & Pres. Raymond charge of \$7.50 per couple, which would mean that the affair would necessarily be less elaborate than the formals given in former years.

The reason for the increased tax is the low state of the finances of the junior class. There is no money left in the class treasury to make up for the loss which the formal for Recent Project usually incurs. The affair must be absolutely self-supporting. Members of all classes can sign the peti- lowing men were pledged in rec-

> Negotiations are now under way the school's publications. for the use of the Balloon room of the Congress Hotel, according to McLaughlin. Ted Fiorito will probably furnish the music.

# Seeks Village Office

Professor Huntley of the Mechan-The problem was to design a hall, ical Engineering Dept. is not only

The Trustees are analogous to the Councilmen in the city government. That is, they have charge of the government, and direct the policy of the village, its expenditures and taxes.

### SENIOR POSITIONS

Mr. W. S. Jones of the Shell Pe-

### CALENDAR

Tuesday, March 25 Phi Lambda Upsilon smoker at the P. L. U. rooms

Wednesday, March 26 F. P. E. S. smoker at the Delta Tau Delta house. Pi Tau Sigma smoker at Triangle house.

A. I. Ch. E. smoker at the Phi Pi house Saturday, March 29

3:00 p. m. 2nd Annual Armour Tech Indoor Invitational Track Meet at Bartlett Gymnasium.

# EXPERIMENTS LABORATORIES

ments to Charles H. Elliott Com- First Successful Wireless Apparatus in America Developed by Noted Inventor

### DISCOVERED THREE ELECTRODE VACUUM TUBE

DISTINGUISHED VISITOR



# Sphinx Pledges Twelve New Men

Sphinx, honorary literary fracernity, held a pledging smoker at the Phi Kappa Sigma house. The folognition of their work on one of

Cycle

A. H. Jens

O. R. Murphy R. A. Timmermans

R. N. Wilson

Engineer

A. J. Lenke

C. T. Link

I. G. Katz J. H. Stranberg

News

K. A. Knittel

A. F. Wilde

A. B. Auerbach

### F. B. Attwood

### Schommer Referees Catholic Tournament

Professor Schommer was the chief referee at the Loyola Basketball tournament last week during | ical department. which the championship team of the United States in the Catholic will be given over to an entertainleague was determined. Teams from thirty-two different sections of the of smokes with a veritable mouncountry took part as contestants. Losers of the first 16 games entered into consolidation rounds.

### Fire Protects Journey to Civic Opera House

The F. P. E. department made an Snow Avalanche Hits inspection trip last Tuesday to the Civic Opera House. The day was switched from Friday to Tuesday for the convenience of the Opera House staff.

trip was made to demonstrate the ripped the top of a Ford touring last word in building construction, car, belonging to Stephen Davison, especially from a fireproof stand- a freshman, which was parked in point. Other features noted were the street near the main entrance the excellent lighting system, the to the building. It was an unexenormous height of the stage to pected accident, but it could have prevent shadows, and the unusual been prevented if the automobile mechanical devices such as the hy- had been left in the proper parkdraulic pumps to raise the stage. | ing space.

Dr. Lee De Forest, the Father of Radio, was the speaker at an assembly Thursday morning, March 21, all classes attending.

After a few numbers by the orchestra, Dr. Raymond presented the speaker of the morning with a few reminiscent words of introduc-

Dr. De Forest told of his coming to Chicago in the fall of 1899 to take a position with the Western Electric Company, after having been graduated from Yale University the preceding June. He related his first connections with the institute as an assistant instructor in the Electrical Department and how he was given a free rein in the laboratories in return for his services in teaching classes.

It was very interesting to hear Dr. De Forest's version of the first trials of his wireless telegraphy, from the Institute to the Auditorium and the Lakota Hotel and from a yacht on the lake to a receiver on the four-mile crib.

### Aided by Professor

Dr. De Forest realized that the need in wireless was a detector so signals could be heard in phones. So with the aid of Professor Clarence Freeman and knowledge gleaned from books in the Grerar Library he perfected an electrolytic detector which supplanted the troublesome coherer.

In New York, Dr. De Forest experimented with hot gases and their conductivity of electric impulses. Using first the Bunsen flame and then an electric arc, he finally developed the three electrode type of tube in 1906, employing platinum wires and a perforated sheet of metal at first and then the developed grid type with woven wires for the third electrode.

During the war, the government purchased his heterodyne detectors, (Continued on page 3)

### A.I.Ch.E. Hold Smoken Wednesday Evening

The A. I. Ch. E. will hold a smoker tomorrow night at the Phi Pi Phi house for the purpose of acquainting the freshman chemicals with the A. I. Ch. E. and the members of the organization with the Chemical Engineers' organization. Professors Schommer and McCormack will represent the faculty of the chem-

The social part of the evening ment. There will be an abundance tain of eats for the chemicals to consume. According to advance reservations a one hundred per cent turnout of the freshmen is expected. An enjoyable evening for the "boil, filter, and washers" is a certainty.

# Ford; Demolishes Roof

Last Tuesday, March 18, a small avalanche of snow, falling from Professor Holmes said that the the roof of the main building,

# Apmour Tech News

Student Publication of the ARMOUR INSTITUTE OF TECHNOLOGY CHICAGO, ILLINOIS

Published Weekly During the College Year SUBSCRIPTION RATES Single Copies, 10 Cents Each \$2.00 Per Year

### THE STAFF

MANAGING BOAR	
Editor-in-Chief	Fred Attwood, '31
(	Arthur Jens, '31
Managing Editors	Alvin Auerbach, '31
Managing Editors	James Casey, '32
Faculty AdvisorProfessor	r Walter Hendricks

### ADVISORY BOARD

Retiring Editor-in-ChiefI	David T	Smith.	'30
Retiring Editor-In-Chief		Malcan	220
Retiring Business ManagerMo	rris O.	neison,	au

### NEWS DEPARTMENT

edcdaremental cultura	
FraternityJ. R. Jackson,	'32
Architectural	'32
OrganizationsE. W. Carlson,	'32

	Keporeers		
J. B. Dirkers, '32	I. Krawitz, '33		
R. L. Ellis, '33	T. Leavitt, '33		
M. Windgrond, '33	E. C. Kubicek, '32		

### SPORTS DEPARTMENT

Sports Editor (Acting)......Arthur Jens, '31 Assistants

R. G. Kellner, '31

C. Stempkowski, '32 A. Weston, '32 R. F. Rychlik, '33

#### FEATURE DEPARTMENT P E Seidelman, '31

Feature Editor	~~
Columnist	'30 J
O Barnett	122
Inquiring ReporterO. Barnett,	
Cartoonist	'3Z
Feature Writer	'31
PENDING WILDEL	har
Staff PhotographerO. R. Murp	TTA
	***

### MAKE-UP DEPARTMENT

Make-Up Editor	Schinke,	'32
Accietants		

B. C. Scott, '33

G. L. Bonvallet, '32 F. F. Strassenburg, '31

M. A. Collick, '32

### PRICINESS DEPARTMENT

	NO CONTABION TO THE TWENT TAYER			
Advertising	Manager	E. A.	Scanlan,	,,,
	Assistants			

F. W. Spaulding, '31

R. Tufts, '32 C. A. Erickson, '32 

Mailing Circulation Manager......J. S. McCall, '32

### Assistants

R. Dufour, '33 C. B. Sommers, '33 M. H. Hamlin, '31 J. W. Juvinall, '33

Vol. V.

O. G. Linnell, '32 H. Bodinson, '33 A. Jungels, '32

S. Anderson, '32

P. Kesselring, '31 H. S. Nelson, '32 H. Pilgrim, '31 E. H. Chun, '32

J. P. O'Hara, '33 Exchanges......A. J. Aukstaitis, '31

# INSPECTION TRIPS

MARCH 25, 1930

cold, wind and rain, brings with it the hope of the puzzle about the sailor. He claims the answer should continuance of the series of inspection trips that the various departments made during the clement weather of last fall. During the next two and a half months, there should be an opportunity to see most of the points of interest that would prove advantageous.

Inspection trips, to our viewpoint, are a most potent factor in connecting the academic work at Armour with the actual constructive engineering work of the world. As a school located in a large city, we are varied operations of engineering.

These trips, while at a first glance may seem but a were three. pleasant way to spend an afternoon and evade classroom or laboratory work, are really much more important fundamentally. It is exceedingly hard for a man to spend hours or even weeks on a project that he has never or rarely seen, and at that, probably without the opportunity to have explained to him just what details he fails personally to comprehend. Therefore, this phase of our education actually serves to correlate our notions with those of practice, and to form opinions of what is practical.

The average engineer, upon graduation, is usually treated with a little contempt by the old "hands" who are well versed in the tricks of their trade. Textbooks often deal too much with the idealistic viewpoint, and any attempt to follow this line of reasoning in actual work places the man as one of the non-initiated. While the inspection trips do not give one the viewpoint that several years of work does, they do tend to make one realize that engineering is actually a practical and not a purely theoretical science.

Engineering literature, if carefully digested, might take the place of some trips, but it is an indisputable fact that reading would not make half the impression nor tend to as long a period of retention as the actual sight of the operation or process in question. It is a personal axiom of one of the members of the faculty that an engineer believes in seeing, not hear-

ing things, and we heartily agree with him. As we have already mentioned, our location in Chicago is a great asset to the school. It is hard to con- try to realize that they are more than a lark; while ceive of a phase of engineering work such as taught we do not expect to see the men plodding about with at Armour that cannot be made the basis of an in- notebooks in hand, a few serious observations are easspection trip. Industrial plants of every conceivable ily achieved. Classroom discussion of most inspection nature are abundant and conveniently located; con- trips of the past has shown clearly that they are well struction work of all kinds is taking place throughout worth the time spent.

# "THE SLIPSTICK" ::

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

### Hard Up for Poetry? Not Us

A peanut sat upon the track It's heart was all aflutter A train came roaring down the track Toot! Toot! And the little peanut jumped off.

Winter has come again, foiling the photographers, and disappointing the lads who thought they would get out of a physics lecture.

"Is she the leading lady?" "Yeah! She's leading the orchestra by about four the Institute in 1907. While at the Properties of Matter, Heat and Ele-R. F. S. measures."

### Ain't It the Truth

One advantage in being an instructor is that when you can't work a problem, you can assign it to the class for homework.

### THE COED IS BACK AGAIN

Teacher---"Who can tell me where Texas is?" Lil' Boy-"I know, teacher. She's at the Green Mill returned to Chicago as Chief Oper-The Coed. (not adv).

### Warning

They sure are getting strict in the library. If you have a squeaky fountain pen, or asthma, or clips on your heels, you had better stay out.

### Fair Enough

Small Lad-"Ha! Ha! I just saw you kiss sis." Suitor—"Here. Keep still. Put this quarter in your pocket."

that's the way I do business.

A middle aged man is one who has quit growing on either end, but continues to grow round the middle.

### **AVERAGES**

"Doctor, what are my chances for re-Patient: covery?"

Doctor: "Excellent; statistics show that one out of every ten gets well and the nine cases I attended before you have all died."

Walt.

Why is a mouse when it spins? If tripe is 10 cents per yard, how much will it take

to make a duck lay a 10 inch plank?

### Kidder

We said no more conundrums, but we are printing these with the hope that the "Kidder" will let us have the answer, if any.

This week's mail (box by the elevator, etc.) brought a new contributor. The KIDDER, who says "Yours till The Armour News has 10,000,000 circulation." Well, all we can say to that is we surely are glad to have a steady contributor at least for the next six or seven months. But getting back to the contribution. He Spring, that peculiar season of alternate hot and thinks that the COED was wrong in her answer to the be "The waitress knew he was a sailor because he told her so." Now "Kidder" we think you've been kidded, you know sailors don't tell.

> Pictures for the Cycle—you would be surprised how many fellows belong to the different societies and clubs at this time of the year.

### TOUGH LIFE

Things sure aren't what they used to be, you have fortunate that we have access to so many and to ask at least five or six fellows for the problem today, while a few years ago the most you had to ask

### Frosh—Soph—, Story

Frosh: "That dog of yours bit my finger." Soph: "He would have bitten your leg, but he is on

As the revenue officers said, "Now is the time to go to the raid of the party."

He-"You look sweet enough to eat." Dick She—"I do. Where shall we go?"

Seriously Speaking

We are of the opinion that the school should provide a smoking or recreation room, so that the students might not have to loiter in the halls, and have to go outside when it rains. What say?

Some dumb dodo thought a dogma was a puppy's mother.

K.K. This is open season for spring poetry.

the city; and electrical processes are found every-

We hope, therefore, that the men on the trips will A.B.A.

### Professor Edwin Stephen Libby

(A Biographical Sketch)

By P. Emil Seidelman

Professor of Experimental Engi- committee is to supervise the eduneering, was born at Portland, cational work, which includes the Maine, on February 18, 1879. He arranging of convention programs, attended Lewis Champlin gram- and the distribution of educational mar school, and graduated from material to the entire membership. Chicago English and Manual High | He is also a member of the Chicago now called Crane High School, in Section of the American Society of 1898. He then attended Armour In- | Refrigerating Engineers. stitute, and received his B.S. degree in Mechanical Engineering in 1902. for the N. S. P. R. E. on various sub-He received an M.E. degree from jects, as follows: Measuration, Institute he became a member of mentary Mechanics, and he is also Sigma Kappa Delta, Pi Tau Sigma, and Tau Beta Pi Fraternities.

During his summer vacations, while attending school, he worked in the engineering department of Swift & Co., and after graduation he became Assistant Chief Engineer, in their packing-house plant, at East St. Louis, Ill. In 1904 he ating Engineer, for the Hammond Packing Company, U. S. Yards, Chicago, Ill.

In the fall of 1905, Professor Libby joined the staff of the Institute as an Instructor in experimental enevening classes at Armour.

a few of which are Sears, Roebuck evaporators.

& Co.; Western Electric Co., Lasken Iron Works, etc.

In 1923 he married Miss Cora M. Gains, of Cincinnati, Ohio.

Professor Libby has been a memyears and chairman for the past Edwin Stephen Libby, Associate two years. The purpose of this

> He has written several bulletins conducting a question box in "Ice Commonwealth Edison Company, and Refrigeration."

> vocation is centered in baseball and Both of these men are attending fishing. This latter desire is satis- Professor Freeman's evening school when he joins the Fishing Squad, Society of Engineering rooms. a group of professors, who leave immeidately after commencement on a fishing expedition.

### L. C. Cooley Gives Talk to Chemicals

The monthly meeting of the gineering. Since that time he has A. I. Ch. E. held last Friday was taught steam and refrigeration lab- addressed by L. C. Cooley of the oratory and delivered lectures on Whiting Corporation, Harvey, Illirefrigeration. He was promoted to nois. He spoke on the various types tive of the Firestone Tire and Ruban Assistant Professor in 1909, and of evaporators, emphasizing par-ber Co., of Akron, Ohio, was at the to an Associate in 1917. He has ticularly the multiple effect evapor- Institute last Monday, March 17. S. L.—"Here's ten cents change. One price to all, conducted classes in refrigeration ators. The latest complicated He interviewed about 34 seniors of at Siebel Institute and also in the designs and the latest types of several departments with a view evaporators were described by the toward obtaining men for sales and Professor Libby has, in conjunc- speaker. At the conclusion of his promotion work. This was his section with his regular duties as a talk, Mr. Cooley allowed the stu-ond recent visit, the first being earteacher, acted as a consulting and dents and Professor McCormack to lier in the season, at which time testing engineer for various firms, ask him questions concerning the he sought graduating men for en-

## Alumni News

T. A. Hicks, ex, '06, visited school ber of the Educational Committee last Friday, spending some time in of the National Society of Practical the mechanical engineering depart-Refrigerating Engineers for five ment. Since leaving school in 1904, Hicks has been connected with Westinghouse Electric Company at Philadelphia. At present he is travelling through the midwest, inspecting rail cars which have Diesel electric drives.

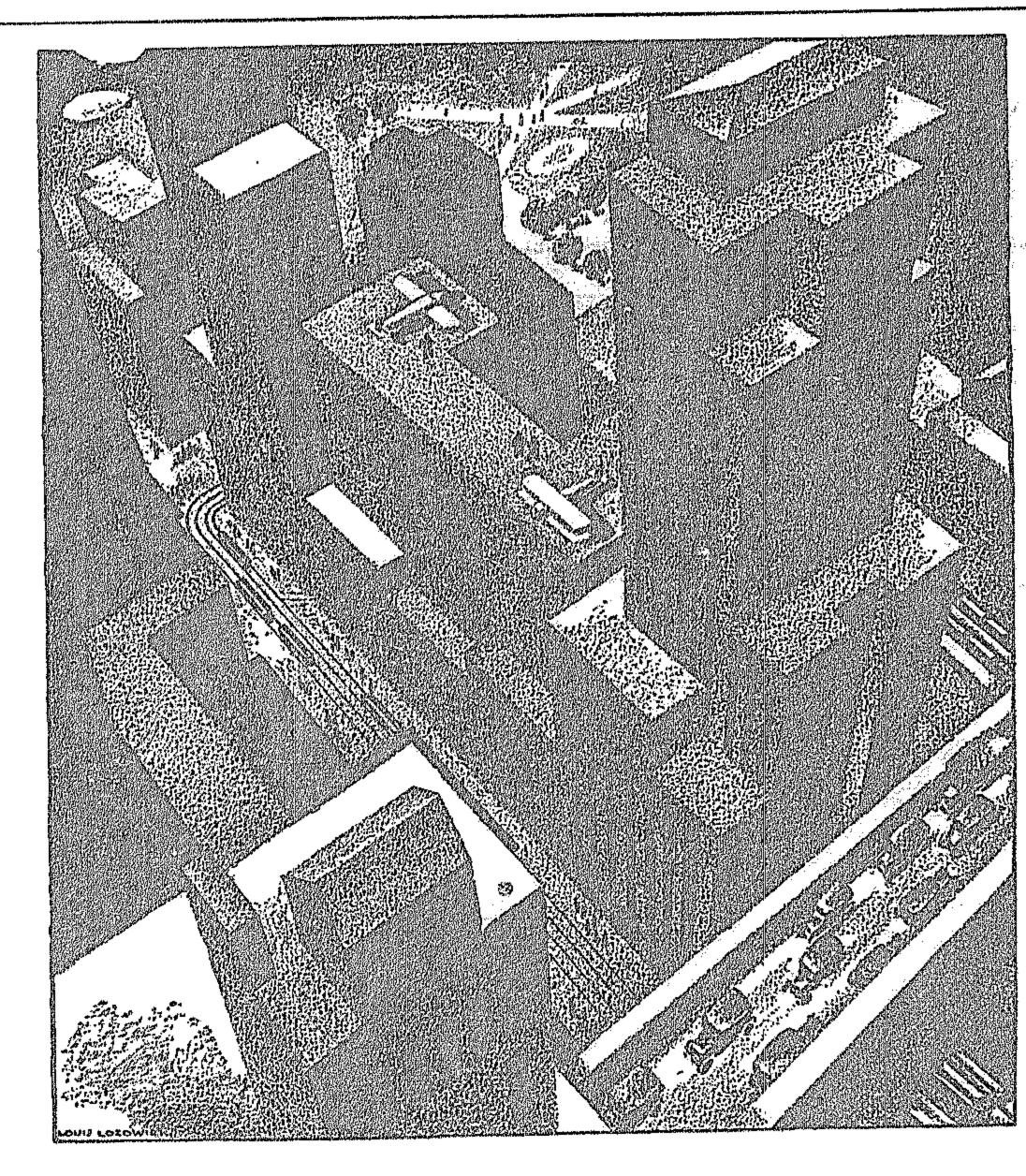
> Henry Eickelberg, M. E., '23 visited his former instructors last week and inspected the laboratories. His home is in Oak Park, Ill., and he is the owner of two garages on the West Side of Chicago.

M. B. Krebs, '23, is now with the R. S. Illg, '20, is working with the His entire interest outside his Illinois Bell Telephone Company. fied to some extent each summer class of Economics at the Western

> Phil Diwert, '28, visited Chicago last week. Phil is with the Indiana Inspection Bureau and is located in Indianapolis.

### Tire Representative Interviews Seniors

Mr. A. G. Ridgley, a representagineering work.



# The telephone looks ahead

Even as you are putting through your daily telephone calls, groups of Bell Telephone experts are calculating your telephone needs for five years, ten years, twenty years from now. It is their work to discover from all avail-

able facts—not fancies—how each state, city and community will probably grow. These facts are reduced to forecast charts, precisely as an astronomer plots the course of a comet.

Thus central offices are planned years before they are actually built. Underground and overhead lines are laid out to fit future as well as present needs. Expansion of service is provided for.

Bell System planners virtually live in the cities of the future. They play a vital part in providing the best possible telephone service for the least possible cost.

# BELL SYSTEM

A nation-wide system of inter-connecting telephones



"OUR PIONEERING WORK HAS JUST BEGUN"

# REVIEWS

### THE RIVALS Richard Brinsley Sheridan

Presented at the Goodman Theatre Revivals of the older plays are becoming fewer as the trend of the modern theater is leaning toward the production of the more modern drama. It was with a good deal of interest that the production of "The leader of one of the greatest inat the Goodman was Rivals" viewed.

to practically every man in college, of the keenest thinkers the world but the presentation of it will offer has ever known. a real treat to everyone. The characters in the play at once become real and vivid, and the skill of the eighteenth century school becomes apparent upon hearing the dialogue.

to the twentieth century mind, the play swiftly envelops one in its enjoyable atmosphere, and the action play is no drawback to its presentation.

so obviously wrong that the appeal week for it. of her lines is irresistible. However, the success of her part is closely connected with the other roles; their task is to use words of similar weight correctly and without hesitation. It is a marked feature of the skill of the cast that they are able to speak their difficult lines, both as to context and to accent, without stumbling nor delay.

The characters are all well portrayed, as is to be expected of most of the Goodman presentations. Mervis as the dashing soldier-lover, Captain Absolute, creates exactly the impression that Sheridan must have desired; it is this perfection a few feet to several miles. in the cast that makes the play give every possible iota of enjoy- had been at work for about two ment that has been written into it. years, they were given the oppor-Whether contrition or arrogance is tunity of reporting the Lipton the order of the moment, Mervis yacht races at New York by means plays the part excellently well, save of their wireless transmission. Not for an occasional snicker when the knowing the deleterious effect of man fails to control himself. How-salt water on wireless work, they ever, realizing that one cannot ac- failed in their attempt and the race quire the accent and actions of the was reported by flag signals as it period in so short a time, these always had been. slight slips can easily be overlooked acting.

the onlooker to compare and con- De Forest work harder and made Sunday afternoon, March 23. trast the love-making of this period his ultimate success more certain. banquet followed at the House. with that of today. Faukland, Due to Dr. De Forest's work, the played by Neal Caldwell, is the lover Trans-Continental Telephone was who is distraught with doubts as to opened in January, 1915. his lady fair, and is filled with a myriad of dissertations on lover's broadcasting station in New York habits as he sees them. However, but soon his license was revoked most any one of us would hardly be because the broadcasting inter- sending cards around to the professo upset as he, and thus are afforded another source of comic action.

evening's entertainment, being ly. sire to see in action what one has possible. read in print.

A. B. A.

### L. L. Perry Speaks to Economics Class

Sargent and Lundy, consulting en-know him. gineers, spoke at Professor Freeman's evening school class of Economics last week. His topic was X-Rays Used to Test about the generation and transmission of power over short distances. If it is generated at a coal the final lecture this week.

We regret to announce the passment.

Hall rooms yesterday at 4:30 p. m. fit.

### Dr. Lee De Forest (A Brief Biography)

Dr. Lee De Forest, the Father of Radio, has had a very interesting years he was an obscure scientist, looked down upon by his employers number of alumni. as a dreamer, often in danger of losing his position, and more often a week of probation for the followpractically penniless. Now, as his ing: L. R. Anderson, O. L. Staib, honorary title implies, he is the and D. B. Snapp. dustries in the world, lauded as the man who made radio communica-The play itself is familiar ground tion possible, and respected as one

sity and went to work for the Western Electric Company, soon gaining initiation. a position in the telephone laboratories. Here he soon became known as a dreamer, being more interest- Knickerbocker Hotel, music being While the wording and the cos-ed in working with an induction tumes may at first seem ludicrous coil than with the work assigned to him. After some time with the Western Electric Company he realized that he wanted more time for is followed with the utmost interest. his own work and accepted a posi-This comedy is light in theme, rapid tion at Armour Institute as an in-ball and tennis teams. in action, and filled with humor, structor in the department of proving that the antiquity of the physics and electrical engineering. pledges before formal initiation in He received no pay for his work at order that they might have time Armour, instead having the privi- to recuperate from the initiation Mrs. Malaprop, who is remem-lege of using the laboratories for held for them in the Indiana Sand bered as the lady with the twisted his own work. He also held a posi- Dunes, Saturday, March 22nd. vocabulary, affords much of the tion at Lewis Institute at this time, humorous element, for the words teaching two nights a week and rethat she so inadvertently uses are ceiving a salary of five dollars a

While Dr. De Forest was working at Armour he and President Raymond became acquainted through a common patronizing of the Comet Restaurant. Here the two men would often dine together. Dr. De a ten cent dinner on weeks days Miss Du Hasek's parents. She is a and a twenty cent one on Sundays

While at Armour Dr. De Forest Delta sorority. worked with Professor Charles Freeman on the idea of wireless transmission and managed to successfully send messages for short distances, gradually increasing from

When he and Professor Freeman

A few years later he opened a fered with shipping signals.

|San Francisco which broadcast or- at the end of the first six weeks. "The Rivals" offers an excellent chestra programs almost exclusive- This system has been put in effect Boykin, vice-president of the

Dr. De Forest also did a great deal of work in the development of the Deans in aiding each student. talking pictures and is confident that we shall soon have the system perfected.

W. H. R.

# Business Products

The uses of the X-ray in industry mine it has to be a high capacity are increasing steadily. Satisfacload in order to be economical tory photographs are now made the third floor of Chapin Hall. Professor V. B. Teach will speak at through four inches of steel, six inches of aluminum and through other materials in proportion to for Doctor Protheroe's Welsh Male their density. . . . Automobile tires Chorus Concert at Orchestra Hall and 25 per cent in construction are photographed to determine the on Thursday evening, April 3. Any-costs was accomplished by the ing of the mother of Professor Au- condition of union between cord body wishing to get them should Smith method, drydock officials gust C. Wilmanns, Mrs. Henrietta and rubber. Golf balls are X-rayed see W. Manske, '30, president of the said. Mr. Boykin said he had found Willmanns, and wish to extend our to inspect centering of the cores. Glee club. sympathy in his recent bereave- The amount of tetra-ethyl lead in gasoline can quickly be determined by radiography. A few shoe stores in total crop production, 1929 crops pounds of electric welding was Armour Chapter of Tau Beta Pi have installed fluoroscopic units to were worth \$85,000,000 more than necessary, as compared with 28,000 held a meeting in their Chapter show customers how shoes really last year's, says the United States pounds of rivets used in a vessel of

The Smoker held at the House and inspiring life. During his early Friday March 21st, was well at but, in the period following the tended both by the actives and a

Friday was also the beginning of

### PHI PI PHI

On Saturday March 22nd, Gamma Chapter of Phi Pi Phi held a formal initiation for pledges: S. A. Carlson, '32, C. Mitchell, '32, J. Clayson, He graduated from Yale univer- '33, C. Cruver, '33, and G. Hill, '32. A luncheon was served after the

> Saturday night the annual formal Dinner Dance was held at the supplied by Grundy's Chicagoans.

### KAPPA DELTA TAU

P. Percy Portnoy, athletic manager, has been busy preparing plans in order to produce some good base-

Two weeks have been allowed the

#### TRIANGLE

confinement at home, making the business annually. chapter full strength again.

The engagement of George A. student at the University of Chiwhen he could afford that luxury. cago and a member of Phi Beta

### SIGMA KAPPA DELTA

the house.

For the present, April 12, is the Times Party.

### DELTA TAU DELTA

Tau Delta announces the initiation of the following: M. R. Beal, R. H. Frye, F. M. Gihian, E. J. Griffin, W. H. Larson, T. D. Luckett, D. W. Pearson, H. A. Pearson, R. A. The press was kind to them, how-Peterson, and S. B. Cone. The in-ship of steel is partially realized in the general high standard of the ever, and so covered up the affair formal initiation was Saturday and ready for tests that will prove that no one knew that they had night, ending probation week, with success or failure. It is likewise most amusing for failed. That failure only made Dr. the formal initiation three o'clock

### New Checking System for Probation Students

This year the Deans' Office is sors for students on probation in In 1920 he opened a station in order to get the student's grades this semester instead of having the light, witty, and fast; furthermore | His greatest work was the inven- students taking slips around to the being a familiar play to most every- tion of the three electrode vacuum professors. These cards will also idea. one, must serve to gratify that de- tube, which made modern radio be given out at the end of the twelve weeks, in order to get information that will assist the

Mr. M. L. Helbrun is offering a prize of \$100 on the class A and B His life, starting in poverty and archeology VI project in memory ending in fame, always full of opti- of his father, William Helbrun. The mism no matter how dark the out-esquisse for this problem will be, Mr. L. L. Perry, engineer with look, is an inspiration to all who Saturday, March 22. The subject will probably be on Venitian Rennaisance period.

> Phi Lambda Upsilon, national fraternity, will hold a meeting tonight in their rooms on

There are still four tickets left from Elizabeth, North Carolina.

department of agriculture.

## DeForest Speaks On Experiments

(Continued from page 1)

war, radio found days of hard going as there was nothing of par-but another industrial specialist, a ticular interest to the people. The robot said to do one important ident of the Case School of Applied government no longer needed de-thing in steel manufacture never Science at Cleveland, Ohio, was the tectors and there was still a ban on before possible. amateurs.

aroused much interest in radio degree the searing heat of thou-schools in the central part of the broadcast, and opened a station in sands of degrees, but is no good for country and to a certain extent New York. Due to interfering with the back porch on a hot day, for it controls the requirements and the Army and Navy signals, how- does not work below 1,000 degrees. standards of those schools which ever, his license was revoked. He The eye was explained to the are its members. Recently Crane then repaired to San Francisco and American Electric Railway Associa- College, Bradley Tech, and Iowa organized a similar broadcasting tion at the Westinghouse Lighting Wesleyan were expelled from mem= unit which was widely acclaimed Institute by J. V. Breisky, research bership. and received with much enthusi- engineer of the Westinghouse Elec-

This was really the beginning of the system of broadcasting that we sent methods of determining the have today.

### Predicts Great Development

cess for radio in the very near fu-| score of Chrysler buildings anture. Each year will see astounding nually. The practiced human eye Institute. The designs are from the discoveries and improvements. He has furnished the only generally Universities of Pennsylvania, Washstates that the day will come when workable method of estimating the ington, Oregon, Kansas, Yale, Corwe will be able to obtain equally steel temperature from its glow. good and probably better reproduction from the cheaper sets then wires that can be thrust into the and the Alabama Polytechnic Infrom the more elaborate cabinet | hottest steel and that will record | stitute. types of today.

The initiates dance, which proved last three years have employed cient because it required seven to Southern California and numerous to be a huge success, was held Sat- 6,000 radio engineers in research, eight minutes for a reading. urday, the 15th. Brother Bodenson and the entire radio industry en- That is too slow; the photo- of the association. detection, etc.

In closing, Dr. De Forest told how he had been forced to the decision of whether he should ally himself with some industrial organization or should strike out for himself On last Saturday evening, March along independent lines. He ex-22, the actives and many alumni pressed the hope that his life, with enjoyed the radio dance given at its early privations and later success might be an encouragement to present day students in their own date planned for the annual Hard struggles both during and after their school days.

# Gamma Beta Chapter of Delta Rivetless Ship Now Under Test

A young man's idea of a rivetless The Carolinian, first rivetless,

self-propelled steamship in American maritime history, awaits only favorable weather for speed trials and tests on the Atlantic Ocean before being placed in service.

Richard F. Smith is the builder. Reared in the environment of the shipyards at Newport News, Virginia, Smith for years had dreamed of an all-welded ship. Two years ago his plans were completed and he brought his idea to Charles V. Charleston Dry Dock & Machine Company, who decided to try the

The keel was laid on June 1, 1929, and amid secrecy the work began. Nothing of the nature of the ship was divulged until patents protecting it in this and foreign countries had been obtained.

While the legal phases necessary to obtain patents were going forward, the hull of the ship rose, not with the rat-tat-tat of the pneumatic hammer, but with the hiss of the electric welding apparatus singing the song of industry.

The Carolinian slid from the ways on February 14, in the preshonorary chemical engineering ence of navy and civilian experts, who predict that she will come through the trials with flying colors. After the tests the Carolinian will be placed in the coastwise trade

A saving of 20 per cent in weight that a welded ship had greater cargo capacity, due to the absence Despite a decrease of 5 per cent of rivets and bolts. Only 8,000 similar size.

### New Thermometer for Steel Industry

Discovery of a substitute for the thermometer, a photo-electric eye that literally "sees" temperature, was announced recently.

It is not a universal substitute,

It looks on white-hot steel and In 1920, however, Dr. De Forest reads instantly to a fraction of a made up of all the recognized

tric & Manufacturing Company.

Because of uncertainty in prestemperatures of molten steel he explained a certain percentage turns out inferior, and is scrapped, Dr. De Forest predicts great suc- the loss being sufficient to erect a

the temperature to within hun-The radio tube companies in the dredths of one degree was not effi- ings from Armour, University

has returned again after a brief joyed a \$600,000,000 turn-over in electric eye operates as fast as The vacuum sight, its measuring stick being the tube has found use in many light emitted from the glowing branches of industry, including metal. It runs a meter calibrated Petters, '29, to Miss Florence Du television, sound pictures, theater in degrees of temperature, and reg-Forest was in the habit of having Hasek was recently announced by light controls, metallurgy, crime isters changes when the human eye can scarcely see a difference in the color of the glow.

### Armour Represented by Deans at Meeting

Deans Penn and Palmer attended the annual meeting of the North Central Association of Colleges and Secondary Schools held last Friday night, March 21.

Professor W. C. Wichendsen, presprincipal speaker of the evening.

The North Central Association is

### Drawings on Display at Art Institute

The first set of drawings sent by the Association of Collegiate Schools of Architecture are now on exhibit at the Burnham Library of the Art nell, Syracuse, Harvard, Georgia Even the thermocouple, a pair of Tech., Pennsylvania State College

The next set will include drawother universities that are members

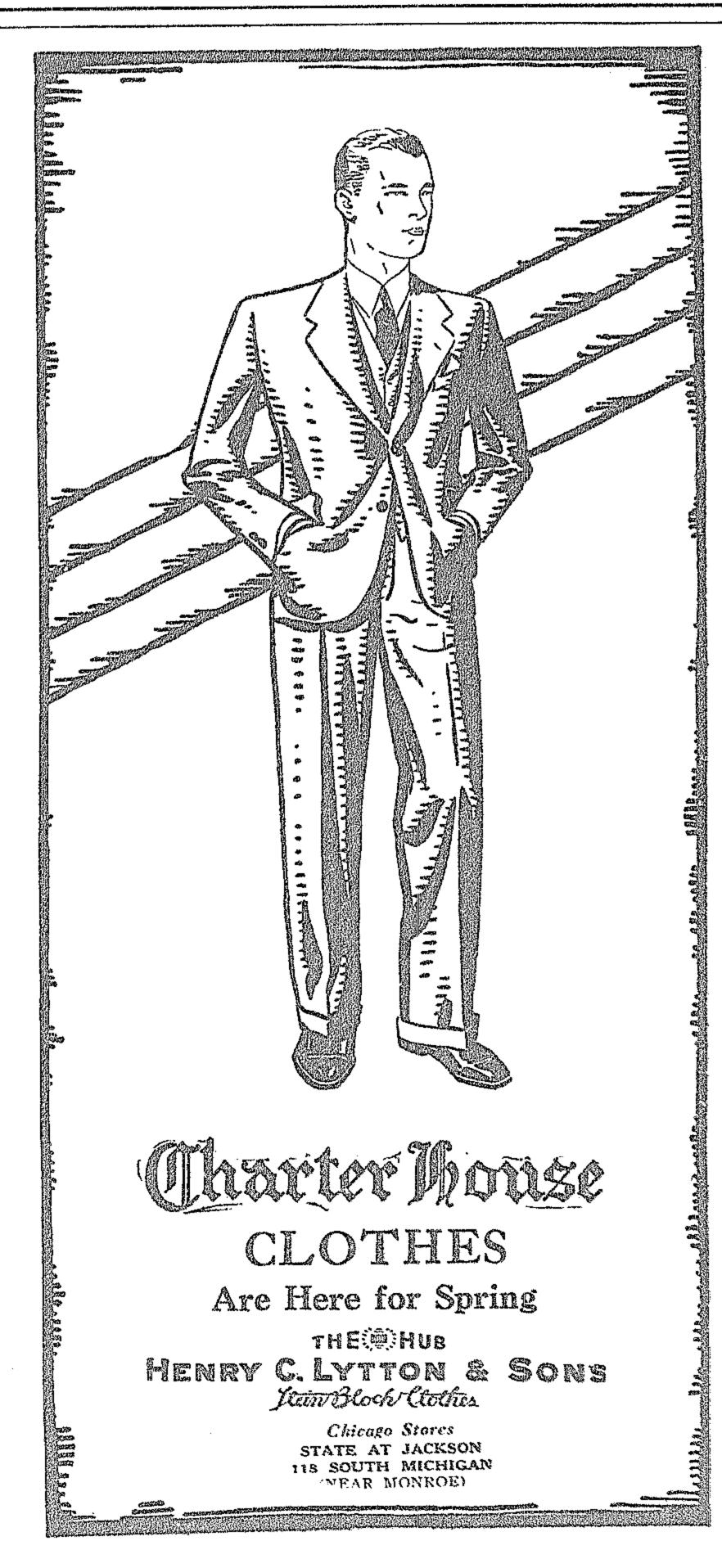
IT PAYS TO LOOK WELL WHITE SANITARY BARBER SHOP N. E. CORNER 31ST & INDIANA AVE.

### CAFETERIA DOULEVARD 75 E. 31ST STREET

NEAR MICHIGAN AVE.

IS KNOWN FOR QUALITY FOODS.

MEALS 20c AND UP



# ARMOUR TECH TRACKSTERS WIN FIFTH CONSECUTIVE MEET OF INDOOR SEASON AT BARTLETT

Track Stars Take Six Firsts to Win Triangular Meet From Sears-Roebuck and Chicago Normal

### TO COMPETE IN CENTRAL A. A. U. CHAMPIONSHIPS

Boxing Season Here

Armour's boxing team made its

The results don't appear so highly

One of the outstanding features

attained in scheduling this meet

now gives light to the possibilities

of scheduling more meets at the

South Chicago Y. M. C. A., state

Y. M. C. A. champions, and the

West Side Professional Y. M. C. A.

They suffered defeat from Culver

fighting ability this season, win-

the second time. Buehling cap-

Montesano, Schwartz, Ustryski,

Buehling, Whitfield and Larkin,

possess the best records. Many of

teur pugs in the district and defeat

Coaching duties were well exe-

for Indoor Baseball

The annual inter-fraternity in-

open in a few weeks. Daily, Mich-

Although the Phi Pi Phi's lost by

looked upon as being of champion-

Preliminary games and practice

Mary a hot tip on the stock mar-

cuted by Sol Weissman, an expe-

was almost forced upon them.

that Armour made this year.

tained the 1930 squad.

institute.

By winning a large portion of Culver Meet Closes first and second places Armour's track team won its fifth consecutive indoor meet at Bartlett gymnasium, University of Chicago, last Saturday. Tech gathered 531/2 last stand in the 1930 boxing campoints to take first place from paign at Culver Military Academy Sears-Roebuck Y. M. C. A. who on March 15, closing an exciting mal College took third with 24 wins, two losses and one tie. points.

Elmer Sademan as he has done successful, from the mathematical repeatedly took firsts in both the viewpoint, but if the individual acmile and two mile runs. His two complishments are to be considered, victories totaling ten points made due credit must be extended the him high point scorer of the meet. members for their wonderful show-James came in second in both the ing. mile and two mile races.

Tech scored a clean sweep in one of this season was the home meet event, the quarter mile run. Sturm | held in the school gymnasium on won first being pushed the entire February 25—the first home meet distance by Fox. Hirsch and Hel- in Armour's history. The success mick won third and fourth respectively.

The 50 yard dash final ended in a blanket finish. Sturm was edged out of first place by Sisulak of Sears. Jens after a poor start finished in fourth position.

Besides winning a place in the shot put Nap Kara won the 50 | Military Academy and South Chiyard low hurdles. Don Paul again won the shot put with a heave of Lincoln-Belmont Y. M. C. A. 46 feet. Don also took a third in the high jump.

Team Loses Relay

By far the most exciting event on the afternoon's program was the relay race in which each man was to run one lap of the track. Harold Fox carried Armour's colors as lead off man, Fox after a poor start at-South Chicago in this match. tempted to pass the field on the far turn. In doing this Harold was forced to an outside lane. Since Armour had drawn the inside lane its passing had to be done there. Incidently in the passing Armour lost considerable distance. Hirsch ran second and picked up several yards when he gave the baton to Jens who ran third. Jens trailed the Normal man until the last turn where he was finally able to pass him. Sturm running anchor tried hard to make up the distance to the Sears team but could not quite make the tape first. Tech took second in the relay and Normal was third.

### Summaries

One mile run won by Sademan, Armour; James, Armour, second; Sarcles, Sears, third; Norak, Sears, fourth. Time, 4:45.8.

50 yard dash - Won by Sisulak, Sears; Sturm, Armour, second; Cohen, Normal, third; Jens, Armour, fourth. Time, 5.6.

440 yard run-Won by Sturm, Armour; Fox, Armour, second, Hirsch, Fraternities Prepare Armour, third; Helmick, Armour, Fourth. Time, :54.1.

50 yard low hurdles—Won by Kara, Armour; Cohen, Normal, second; Brefford, Normal, third; Ban- door baseball season will probably gert, Normal, fourth. Time, 6.5.

High jump-Won by Bangert, igan Blvd., is lined with future big Normal; Brefford, Normal, second; league hurlers, who are practicing Paul, Armour, third; Dahmar, for the coming season. Sears, fourth.

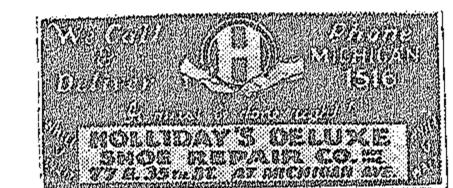
Two mile run—Won by Sademan, a small margin to Sigma Alpha Mu Armour; James, Armour, second; last year, it is doubtful whether or Sears, third and fourth. Time, not either of these teams can be mour. 10:31.

Shot put—Won by Paul, Armour; | ship caliber. Gordon, Sears, second; Kara, Armour, third; Bangert, Normal, will be held in Joyland Park, 33rd fourth. Distance, 46 feet.

One-half mile run—Won by Square. The tournament will be Forest. Iverson, Armour; Suffoke, Sears, conducted as an elimination con-Timmermans, Armour, test. Weldon is manager of this second; third; Borrowdale, Armour, fourth. | year's tournament. Time, 2:09.2.

Pole vault—Won by Bangert, Normal; Burke, Sears, second; Brafford, Normal, third; Patterson, Sears and Helmick, Armour, tied

for fourth. Relay-Won by Sears; Armour, second; Normal, third.



# Crane Nudges Out Armour Swimmers

In a return meet held at Crane College last Thursday, March 20, the Armour swimmers were nudged out by one small point, the final score being 38-37 in favor of the West Side lads. At the previous meet held a couple of weeks ago, Armour won over Crane by a very small margin, which illustrates defeat at the hands of Crane on how evenly matched the two teams Thursday by a single point. A

seen that the times of the events medley relay decided the victor. were fast. The 100 yard free style, However, of the seven meets enwhere Knox and Carlstrom took gaged in, Armour took top honors second and third places, and also in five of them. The losses were at the 150 yard backstroke event, were the hands of Culver and Crane. outstanding examples of fast time. The time for this backstroke event was eight seconds faster than in scored 26½ points. Chicago Nor- season in which they registered two the last encounter with Crane. Manager Vander Velde, entering his first race in a long time, did some fine sprinting and gave a nice demonstration of a strong finish.

Captain Strauch and ex-captain Trognitz, as well as Cavanaugh, showed some good work in their events, Strauch winning the diving event by several points, while Trognitz and Cavanaugh led in the breast stroke by almost a pool-

the season, unless a meet with a Spring. In the past the boys have Big Ten school can be arranged, or been accustomed to wearing light with some other team which will grey sweat jackets and black caps. Armour won its two meets from give Armour strong competition.

#### Summaries

160 Yard relay-Won by Crane (Hanson, Retsky, Hellard, Shaw); second, Armour. Time, 1:21.1. 200 Yard breast stroke-Won by

cago "Y". The tie was registered at Trognitz, Armour; second, Cavanaugh, Armour; third, Bizell, Crane. The victory over South Chicago Time, 2:51.2.

40 Yard free-style-Won by Shaw, in our home ring evidenced that Armour possessed the fighting- | Crane; second, Carlstrom, Armour; comeback character that made third, Retsky, Crane. Time, 0:19.4. 220 Yard free-style—Won by Hil- team. them a popular attraction in boxing circles. Armour defeated three lard, Crane; second, Davison, Arout of the five contestants to mour; third, Topp, Crane. Time, avenge their previous defeat by 2:48.4.

150 Yard back-stroke-Won by Next year's squad will be cap- | Connelly, Crane; second, Weston, Armour; third, Vander Velde, Artained by Frank Ustryski, M.E., '32. Ustryski displayed some brilliant mour. Time, 1:58.1.

100 Yard free-style—Won by Hilning three of the four fights he lard. Crane; second, Knox, Armour; engaged in. He redeemed himself third, Carlstrom, Armour. Time, for the one loss, however, by defeat- 1:01.4.

ing his opponent when they met Fancy diving-Won by Strauch, Armour; second, Harson, Crane; third, Blur, Crane. Of the list of fighters, Donnelly,

(Vander Velde, Trognitz, Knox); Crane, second. Time, 3:29.4.

#### the fighters were pitted against Racqueteers Get some of the most outstanding ama-Into Action Soon

At a meeting of tennis candirienced instructor who turned out a great number of reputable ama- dates held last Wednesday Coach teur fighters while at Dave Barry's W. W. Colvert and Captain A. Wingymnasium. Weissman was largely kler spoke of the membership of instrumental for the good showing this year's team.

Manager W. Manske then told of the rules of the coming tournament. There will be no set time for the different rounds to be finished, but the games must be played as soon as possible or they will be forfeited. No players can use the Armour courts unless he wears tennis shoes. The courts will be repaired

as soon as the weather permits. schedule for the 1930 tennis team.

April 29-Loyola at Armour. May 2-Marquette College at Ar-

May 6-Northwestern College at Watertown, Wis. May 13—Loyola at Loyola.

May 15-Detroit City at Armour May 19-Lake Forest at Lake

and Wabash Ave., or at Armour May 22-Marquette College at Milwaukee, Wis. May 23—Northwestern College at

Armour. May 26—Michigan State Normal

ket leaves a nasty burn.—Virginia at Ypsilanti, Mich. May 27—Detroit City at Detroit. PLAY



stand in line and juggle a tray for your meal when we serve delicious food at reasonable prices?

SILVER GRAY RESTAURANT Wentworth at 31st

# TECH SHORTS

Big Week

Last week was rather a busy one meet and a triangular track meet 52-29. on Saturday.

Swimming met an unexpected week ago when Tech defeated From the close score it may be Crane, the final event, the 300 yard

### Wast Be Spring

On State Street the other day we noticed a man who did not have the lead and finished first. any shoes on. This is a sign of something, possibly Spring.

We're sure it's Spring, for Coach Krafft has issued a call for baseball candidates. Already 45 men have man. responded. After a few weeks of 20 odd men.

#### Big League Style

The baseball team will present a This meet may be the last one of rather different appearance this Krafft has secured some very good looking black and yellow jackets with Armour Tech in black and yellow letters on the back. The caps are of white crowns with black visors, Brooklyn style.

> The loss to Crane in swimming was balanced when the tracksters the fourth victory for the track

### Wisconsin Trip Off

Lonnie Stagg reports that the 7.4. track meet with Wisconsin State relay team will be sent to the Drake 5:10. relays if present plans máterialize.

When the mile race of Tuesday's program was run, a Crane lad immediately took the lead. The first three laps were run at a very slow pace. Iverson then stepped out and Medley relay—Won by Armour finished a half lap ahead of the field. Sademan, who was to run the half mile, took an easy second place ahead of Graham of Crane. Nap Kara of cigar and banana fame, came through to a first in the hurdles and second in the shot 2:12. put. Maybe Nap is back in his frosh days when he won everything he attempted.

### Leigh Has Hope

Last Fall we wrote a good deal of Luckett, Armour, third. the golf tournament which was to be held then. It seems that our notices were a little premature as the competition has just recently been settled. Professor Leigh, who is director of the golf team, hopes to present a formidable squad this year although present indications are not quite so hopeful.

Some time this week work is to begin on the Armour tennis courts. The following is the tentative Practice will begin under the direction of the new Coach, Profes-April 25—Lake Forest at Armour. sor Colvert, when the courts are in playing condition.

# Illimois Trunk Co.

When in need of a brief case always look for a reliable place. Our prices are always the lowest. Expert repairs on luggage.

12 years at same location S W. Cor. 32nd & State St.

BILLIARDS RALPH'S Billiard Parlor and Barber Shop 117 EAST 35th STREET

# Tech Tracksters Whip Crane Men

In the dual track meet at the for Tech students. Besides two Bartlett gymnasium last Tuesday, very interesting assemblies, there Armour completely outclassed the was a dual track and swimming Crane Junior College tracksters,

> After the first two events the score was a tie, each team having taken a first, second and third place. Jens took second in the 50- GET yard dash while Sturm came in third. The first place was made by Kara in the high hurdles.

third places respectively. In the for playing each position. half mile, having dropped back for

James set the pace in the 2-mile practice this number will be re-and led from start to finish. By duced to a workable squad of some the time the race was three-quarters finished, only three men were on the track and all three were Armour men; giving another first,

First place in the shot put was won by Don Paul. Kara managed game were held up pending the apto make a second. When it came pointment of a baseball coach at to high jump, Paul could but make a second against the Crane man, Friberg.

Most of the events were run in slow time, with the one exception, when a new record was established in the quarter mile run.

#### Summaries

defeated the thinclads of Crane at | Crane; Jens, Armour, second; | entire team have been secured. Bartlett gymnasium. This made Sturm, Armour, third. Time, 5.7.

One-mile run-Won by Iverson, Normal College will probably have Armour; Sademan, Armour, sec- for the squad should apply to Coach to be called off. In place of this a ond; Graham, Crane, third. Time, Krafft either in the gymnasium

440-yard run-Won by Sturm, at the north end of Ogden Field. Armour; Fox, Armour, second; Hirsch, Armour, third. Time, 53.7. Two-mile run—Won by James, A.T.A.A. Meeting to Be Armour; Smith, Armour, second; McKinney, Armour, third. Time,

Shot put-Won by Paul, Armour; Kara, Armour, second; Asp, Crane, ciation, announces that there is to third. Distance, 46 feet 1 inch.

Fredericks, Crane, third. High jump-Won by Freiberg, | Crane; Paul, Armour, second; Hol-

Armour; Ronin, Crane, second:

den, Crane, third. Pole vault-Won by Holden, Gallop, Crane, second; Crane;

Well, anyway, Spring is here, according to the calendar. There are lots of things about Spring. Namely: baseball, tennis, invitational track meets, golf, interfraternity indoor baseball, outdoor track, etc. A. H. J.

### IT PAYS TO LOOK WELL LAKOTA PRESSING CLUB WE CALL FOR AND DELIVER 78 East 31st St. Vic. 0845

### ARMOUR BUTTONS 25c

BLACK AND YELLOW STERLING SILVER RINGS TO MATCH \$2.00 WARREN MFG. CO. ROOM 807-STH FLOOR 7 W. MADISON ST., CHICAGO

## FIFTY CANDIDATES ANSWER CALL FOR BASEBALL SQUAD

Practice on Outdoor Diamond Begins Shortly

### NEW EQUIPMENT

Nearly 50 men answered coach W. C. Krafft's call for baseball can-Pushed to better time by Harold didates last Thursday. The meeting Fox, Sturm broke the record set was held in the main building here at Tech for the quarter mile. where Krafft illustrated by chalk Fox and Hirsch took second and demonstrations the proper method

Many of last year's regulars were the first few laps, Sademan took missing from the meeting. Had they been in attendance the total The first quarter of the mile race | number present would probably was a mere jog. Iverson then took | have been swelled over the 60 mark. the lead and with increased speed The large number of prospects will finished one-half lap ahead of the give Krafft a good selection for his field. Second was taken by Sade- first squad. Outdoor practice was to begin yesterday, depending upon weather conditions. The squad is to be cut to a workable group in several weeks. Extensive training in all departments of the game will be on the program until this time.

Until last week the Notre Dame second and third to the Tech score. game was not officially placed in the schedule. Negotiations for this Notre Dame. The date of the game as announced previously is April 14 at the South Bend School.

The baseball season will begin on April 10 when Armour meets Morton Junior College in the first game at Ogden field.

New equipment has been purchased for the team. Several new 50 yard dash—Won by Lewis, uniforms and sweat jackets for the | Special bats for the regular mem-50 yard high hurdles—Won by bers of the team have arrived. Kara, Armour; Engler, Crane, sec- These were selected by the men ond; Carlson, Crane, third. Time, when they visited the factory last

Candidates who desire to try out office or in the locker room located

# Held Early This Week

W. King Simpson, president of the Armour Tech Athletic Assobe a meeting of the Association One-half mile-Won by Sademan, sometime this week. Time and place of the meeting will be announced on the bulletin board in the main hall.

The A. T. A. A. will discuss plans for the coming athletic events also they will pass on the recently completed baseball schedule. Other business such as Honor Cycle awards and appointment of managers will be considered.



### SUPPER CLUB DANJANT

- an exclusive club atmosphere -- creative music for the dansant - delicious cuisine of private club chef

-- smart moderne appointments - distinctively different standards

-- fine folk of the better sort at prices exceedingly moderate-

JUD AND DANCE AT MIRALAGO "True to the Traditions of the North Shere"

For Table Reservations, Phone Wilmette 4636 or State 0266 On Sheridan Road five minutes North of Evanston between Wilmette and Kenilworth. Free parking-Free taxi from Linden "L" Station



Announcing Dell Lampe's Brunswick Recording Orchestra Now playing at Miralago

